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Introduction

Navigation and multimedia system owner's manual

This manual explains the operation of the system. Please read this manual carefully to ensure proper use. Keep this manual in your vehicle at all times.

The screens shown in this manual may differ from the actual screen of the system depending on availability of functions, Lexus Enform subscription status, and map data available at the time this manual was produced.

The screens in this manual will also differ if the screen theme settings have been changed. (Theme setting: →P.67)

In some situations when changing between screens, it may take longer than normal for the screen to change, the screen may be blank momentarily or noise may be displayed.

Please be aware that the content of this manual may be different from the system in some cases, such as when the system's software is updated.

The company names and product names appearing on this manual are trademarks and registered trademarks of their respective companies.

Navigation system (with navigation function)

The navigation system is one of the most technologically advanced vehicle accessories ever developed. The system receives satellite signals from the Global Positioning System (GPS) operated by the U.S. Department of Defense. Using these signals and other vehicle sensors, the system indicates your present position and assists in locating a desired destination.

The navigation system is designed to select efficient routes from your present starting location to your destination. The system is also designed to direct you to a destination that is unfamiliar to you in an efficient manner. The system uses AISIN AW maps. The calculated routes may not be the shortest nor the least traffic congested. Your own personal local knowledge or "short cut" may at times be faster than the calculated routes.

The navigation system's database includes Point of Interest categories to allow you to easily select destinations such as restaurants and hotels. If a destination is not in the database, you can enter the street address close to it and the system will guide you there.

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in when approaching an intersection. These voice instructions will help you keep your eyes on the road and are

timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on satellite conditions, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to page 119.

TOYOTA MOTOR CORPORATION

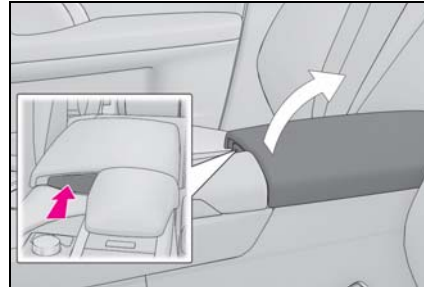
Reading this manual

Explains symbols used in this manual

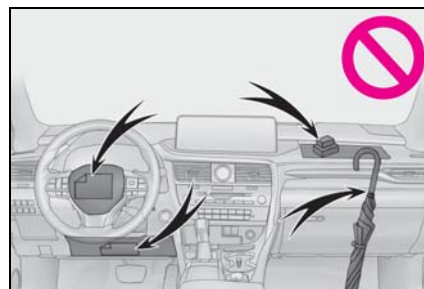
Symbols in this manual

Symbols	Meanings
	WARNING: Explains something that, if not obeyed, could cause death or serious injury to people.
	NOTICE: Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
	Indicates operating or working procedures. Follow the steps in numerical order.

Symbols in illustrations



Symbols	Meanings
	Indicates the action (pushing, turning, etc.) used to operate switches and other devices.
	Indicates the outcome of an operation (e.g. a lid opens).



Symbols	Meanings
	Indicates the component or position being explained.
	Means Do not , Do not do this , or Do not let this happen .

Different writing styles for gasoline and hybrid vehicles

Information for hybrid vehicles is written in brackets next to the information for gasoline vehicles.

Example

Turn the engine switch^{*1} <power switch>^{*2} to IGNITION ON mode^{*1} <ON mode>^{*2}.

^{*1}: RX350/RX350L

^{*2}: RX450h/RX450hL

Safety instruction (without navigation function)

To use this system in the safest possible manner, follow all the safety tips shown below.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are

dimmed.



WARNING

- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.

Safety instruction (with navigation function)

To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of your vehicle and the safety of your passengers.

Do not use any feature of this system to the extent it becomes a distraction and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations.

Prior to the actual use of this system, learn how to use it and become thoroughly familiar with it. Read the entire manual to make sure you understand the system. Do not allow other people to use this system until they have read and understood the instructions in this manual.

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed.

**WARNING**

- For safety, the driver should not operate the navigation system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.
- While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions. If a traffic sign on the road has been changed, route guidance may not have the updated information such as the direction of a one way street.

inces may have laws prohibiting the use of video and navigation screens next to the driver.

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current position correctly, there is a possibility of incorrect, late, or non-voice guidance.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instructions from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it.

Under no circumstances is this system a substitute for the driver's personal judgement.

Use this system only in locations where it is legal to do so. Some states/prov-

1-1. Basic function

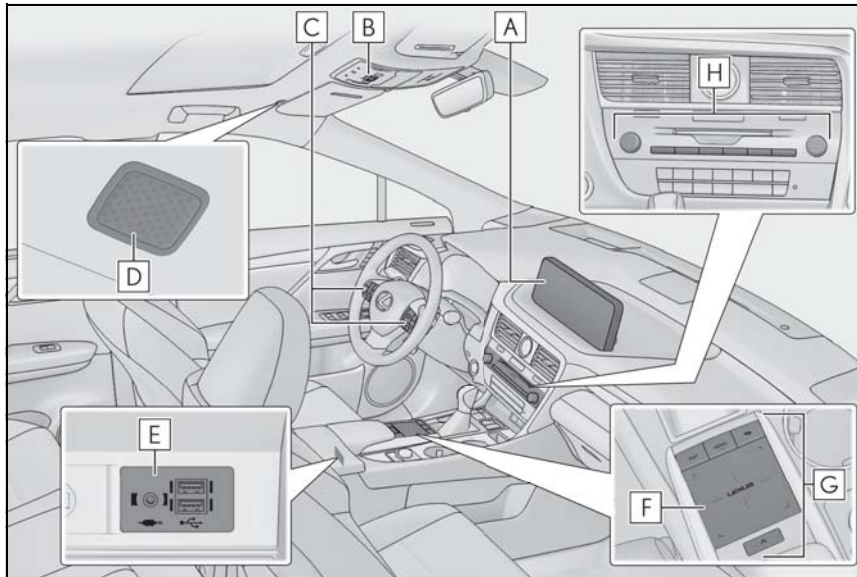
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1-2. Navigation operation

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Display and operation switches

Names of each part



- A** Display (→P.31)
- B** “SOS” button *
- C** Steering switches (→P.157, 180, 253)
- D** Microphone (→P.180, 253)
- E** USB/AUX port (→P.127)
- F** Touchpad (→P.29)
- G** Remote Touch (→P.14)
- H** Audio control switch (→P.124)

* : If equipped. Refer to the “OWNER’S MANUAL”.

- When the temperature is -4 °F (-20°C) or less, the system may not operate.
- When the LCD screen is viewed at an angle, it looks lighter or darker.
- When light from the sun or another external light source strikes the screen, the screen is difficult to see.
- When wearing sunglasses with polarized

lenses, the screen looks lighter or darker.

**WARNING**

- For safety reasons, drivers should avoid performing operations as much as possible while driving. Performing operations while driving may cause the driver to mistakenly operate the steering wheel, which may lead to an accident. Stop the vehicle before using. Furthermore, avoid looking at the screen as much as possible while driving.
- With navigation function: Always follow the actual traffic regulations and drive according to the road conditions. Routes displayed by the destination guidance may include routes where the vehicle is prohibited from entering due to changes to speed limit signs and routes where the road is too narrow to pass through.

**NOTICE**

- To prevent the 12-volt battery from becoming fully depleted, do not use the Remote Touch for long periods of time while the engine <hybrid system> is turned off.

Software license for the 12.3-inch display

TOYOTA Free/Open Source Software Website

Some of our products are using the Free/Open Source Software (FOSS).

This web site provides the license information and the source code of FOSS used in such products. Please click the following links to access the information.

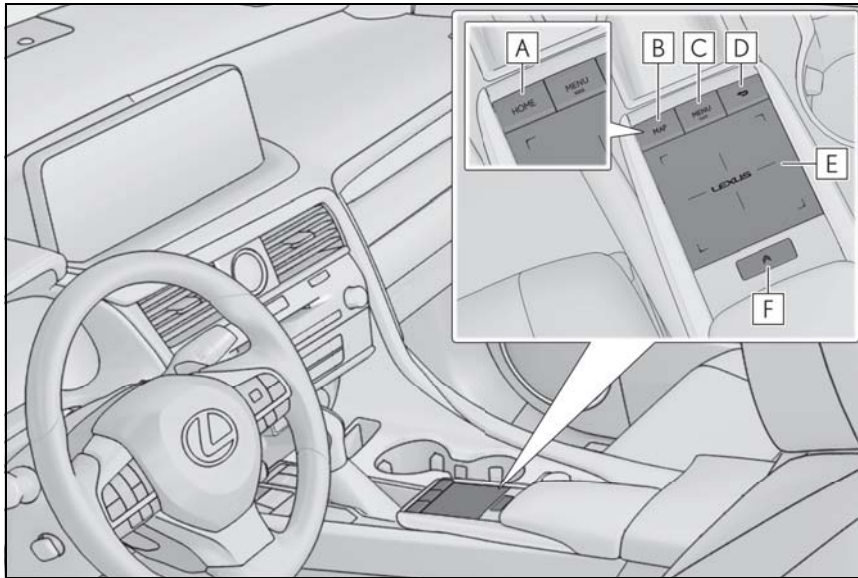
<http://www.globaldenso.com/en/opensource/ivi/toyota/>

Remote Touch

The system is primarily operated by the Remote Touch.

Remote Touch is the name for the device that includes the “MAP” button, “HOME” button, “MENU” button, back button, touchpad and sub function button.

Names and operations of each part



A “HOME” button^{*1}

Press to display the home screen. (→P.36)

B “MAP” button^{*2}

Press to display the current location^{*3} or the compass mode screen. (→P.78, 80)

C “MENU” button

Press to display the menu screen. (→P.16)

D Back button

Press to display the previous screen.

E Touchpad

Operate to select/confirm a button on the screen. (→P.29)

Operate to scroll list screens and enlarge/shrink the map.^{*3} (→P.31)

F Sub function button

When  is displayed on the screen, a function screen assigned to the screen can be displayed. (→P.15)

*1: 8-inch display model

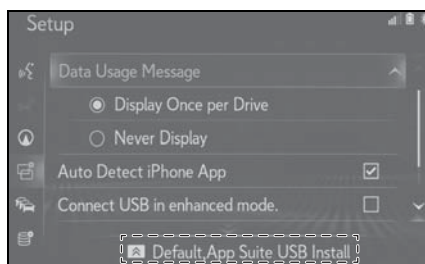
*2: 12.3-inch display model

*3: With navigation function

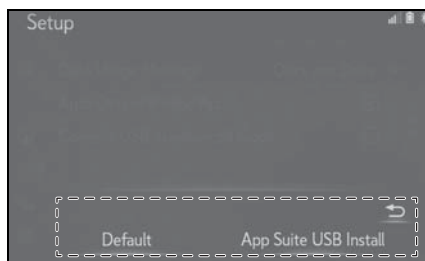
Using the sub function button

Optional functions assigned to the screen can be operated.

- 1 When the  is displayed on the screen, press the  button on the Remote Touch.



- 2 Select the desired item.

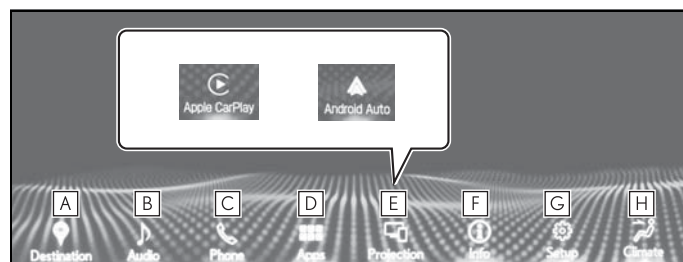


Menu screen

Menu screen operation

Press the "MENU" button on the Remote Touch to display the menu screen.

► 12.3-inch display model



- A** Select to display the destination screen.^{*1} (→P.89)
- B** Select to display the audio control screen. (→P.124)
- C** Select to display the hands-free control screen. (→P.250)
When an Apple CarPlay connection is established, select to display the Phone app screen.^{*2, 3}
- D** Select to display the "Apps" screen.^{*3, 4} (→P.294)
- E** When an Apple CarPlay/Android Auto connection is established and this button displays "Apple CarPlay"/"Android Auto", select to display the home screen of Apple CarPlay/Android Auto.^{*3} (→P.60)
- F** Select to display the energy monitor^{*5} or fuel consumption screen.^{*6}
• Move the cursor over the sub menu icon to display the information screen.(→P.22)
- G** Select to display the general settings screen. (→P.67)
• Move the cursor over the sub menu icon to display the "Setup" screen. (→P.21)
- H** Select to display the air conditioning control screen.^{*6}

^{*1}: With navigation function

^{*2}: For details about Apple CarPlay: (→P.60)

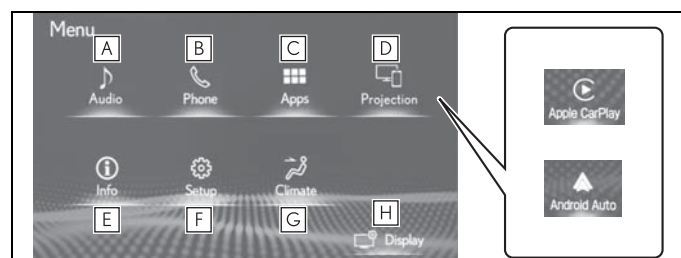
^{*3}: This function is not available in some countries or areas.

^{*4}: The Lexus Enform App Suite 2.0 screen may not be displayed when an Apple CarPlay/Android Auto connection is established.

^{*5}: Vehicles with hybrid system

^{*6}: Refer to the "OWNER'S MANUAL".

► 8-inch display model



- A** Select to display the audio control screen. (→P.124)
- B** Select to display the hands-free control screen. (→P.250)
When an Apple CarPlay connection is established, select to display the Phone app screen.^{*1, 2}
- C** Select to display the “Apps” screen.^{*2, 3} (→P.294)
- D** When an Apple CarPlay/Android Auto connection is established and this button displays “Apple CarPlay”/“Android Auto”, select to display the home screen of Apple CarPlay/Android Auto.^{*2} (→P.60)
- E** Select to display the energy monitor^{*4} or fuel consumption screen.^{*5}
• Move the cursor over the sub menu icon to display the information screen.(→P.22)
- F** Select to display the general settings screen. (→P.67)
• Move the cursor over the sub menu icon to display the “Setup” screen. (→P.21)
- G** Select to display the air conditioning control screen.^{*5}
- H** Select to adjust the contrast and brightness of the screens, turn the screen off, etc. (→P.69)

^{*1}: For details about Apple CarPlay: (→P.60)

^{*2}: This function is not available in some countries or areas.

^{*3}: The Lexus Enform App Suite 2.0 screen may not be displayed when an Apple CarPlay/Android Auto connection is established.

^{*4}: Vehicles with hybrid system

^{*5}: Refer to the “OWNER’S MANUAL”.

How to use "On cursor shortcut" (12.3-inch display model)

Moving the cursor over a switch on the menu screen causes shortcut switches to display for that switch.

The shortcut switches can be used to perform operation procedures more quickly.

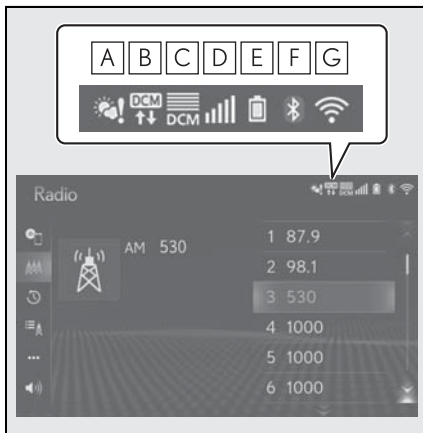


A On cursor shortcut

Status icon

Status icons are displayed at the top of the screen.

Status icon explanation



A Weather alert display^{*1} (→P.192)

• Select to display important weather information for the current location or along the route.

B Indicates data transmitting and receiving by the Data Communication Module (DCM)^{*2}

C The reception level of Data Communication Module (DCM) display^{*2} (→P.19)

D The reception level of the connected phone display (→P.19)

E Remaining battery charge display (→P.20)

F Bluetooth[®] phone connection condition display (→P.20)

G Wi-Fi[®] connection condition display

play^{*2} (→P.19)

^{*1}: With navigation function

^{*2}: This function is not available in some countries or areas.

● The number of status icons that can be displayed differs depending on the displayed screen.

Reception level display

The level of reception does not always correspond with the level displayed on the cellular phone. The level of reception may not be displayed depending on the phone you have.

When the cellular phone is out of the service area or in a place inaccessible by radio waves, is displayed.

“Rm” is displayed when receiving in a roaming area. While roaming, display “Rm” top-left on the icon.

The receiving area may not be displayed depending on the type of Bluetooth[®] phone you have.

► While connected with cellular phone

Level	Indicators
Poor	
Excellent	

- While using Data Communication Module (DCM)

Level	Indicators
Poor	
Excellent	

- While using Wi-Fi® Hotspot

Level	Indicators
No connection	
Connected	

- When Wi-Fi® Hotspot is off, no item is displayed.

Remaining battery charge display

The amount displayed does not always correspond with the amount displayed on the Bluetooth® device.

The amount of battery charge left may not be displayed depending on the type of the Bluetooth® device connected.

This system does not have a charging function.

Remaining charge	Indicators
Empty	
Low	
Full	

Bluetooth® connection condition display

An antenna for the Bluetooth® connection is built into the instrument panel.

The condition of the Bluetooth® connection may deteriorate and the system may not function when a Bluetooth® phone is used in the following conditions and/or places:

The cellular phone is obstructed by certain objects (such as when it is behind the seat or in the glove box or console box).

The cellular phone is touching or is covered with metal materials.

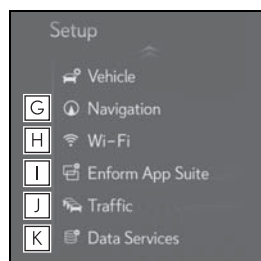
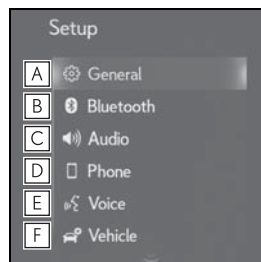
Leave the Bluetooth® phone in a place where the condition of the Bluetooth® connection is good.

Indicators	Conditions
 (Blue)	Indicates that the condition of the Bluetooth® connection is good.
 (Gray)	While in this condition, sound quality during phone calls may deteriorate.
	Indicates that the cellular phone is not connected via Bluetooth®.

"Setup" screen**"Setup" screen**

The "Setup" screen can be reached by the following methods:

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Setup".
- Move the cursor over the sub menu icon to display the "Setup" screen.
- 3 Select the desired item.



- A** Select to change the selected language, operation sound, etc. (→P.67)
- B** Select to set Bluetooth® device and Bluetooth® system settings. (→P.47)
- C** Select to set audio settings. (→P.159)
- D** Select to set the phone sound, contacts, message settings, etc.

(→P.266)

- E** Select to set the voice settings. (→P.72)
- F** Select to set vehicle information such as vehicle customization. (→P.73)
- G** Select to set memory points (home, favorites entries, areas to avoid), navigation details. *1 (→P.106)
- H** Select to set Wi-Fi® connection settings. *2 (→P.57)
- I** Select to set Lexus Enform App Suite 2.0 settings. *2 (→P.294)
- J** Select to set traffic information settings. *1, 2 (→P.114)
- K** Select to set data services settings. *1, 2 (→P.194)

*1: With navigation function

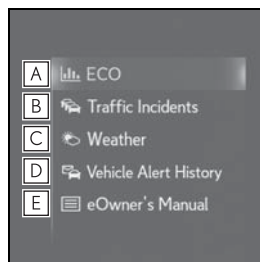
*2: This function is not available in some countries or areas.

Information screen

Information screen

The information screen can be reached by the following methods:

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Info".
 - Move the cursor over the sub menu icon to display the information screen.
- 3 Select the desired item.



- A** Select to display the energy monitor^{*1} or fuel consumption screen.^{*2}
- B** Select to display traffic information.^{*3, 4} (→P.87)
- C** Select to display weather information.^{*3, 4} (→P.192)
- D** Select to display the vehicle alert history.^{*4}
- E** Select to display the "eOwner's Manual" screen.^{*5}

^{*1}: Vehicles with hybrid system

^{*2}: Refer to the "OWNER'S MANUAL".

^{*3}: With navigation function

^{*4}: This function is not available in some countries or areas.

^{*5}: Refer to the "eOwner's Manual".

eOwner's Manual

■ DISCLAIMER

This eOwner's Manual may contain information for equipment not included in your vehicle. Also, before using this eOwner's Manual, please note that the contents may not match the vehicle and paper Owner's Manual due to changes to the specification etc.

⚠ WARNING

- Always park in a safe location and apply the parking brake first.

eOwner's Manual Starting Method

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Info".
- 3 Select "eOwner's Manual".
 - The top page of the eOwner's Manual is displayed
- 4 Select the desired item.

Item	Function
 TOP	The top page of the eOwner's Manual is displayed.
 Table of Contents	The table of contents can be searched in the same way as the paper Owner's Manual.

Item	Function
 Keyword Search	A keyword can be entered and searched for from related candidate items that are displayed.
 Visual Search	Illustrations displaying the exterior and interior can be searched.
 Videos	A list of videos that can be played back is displayed (contents are described using subtitles).

displayed).

- If “Unable to access the media. Please check that it is properly inserted.” is displayed on the screen, contact your Lexus dealer.

eOwner's Manual Language Switching Method

- 1 Select “Settings” on the top page.
 - 2 Select “Language” on the settings screen and switch the language.
- The eOwner's Manual only supports English and French.

eOwner's Manual start up screen Setting Method

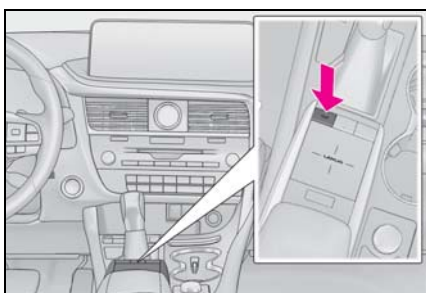
- 1 Select “Settings” on the top page.
 - 2 Select “Start up screen” on the settings screen.
- Each time it is selected, the screen display can be switched between “ON” (displayed) and “OFF” (not

Operating the map screen*

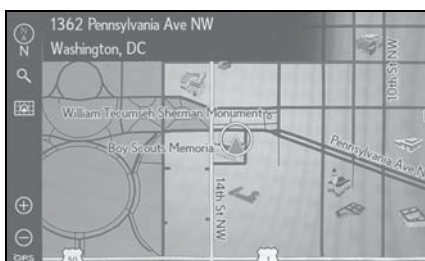
* : With navigation function

Displaying the current position of the vehicle on the map screen

- 1 Press the "MAP" button on the Remote Touch.



- The current position of the vehicle is displayed on the map screen.



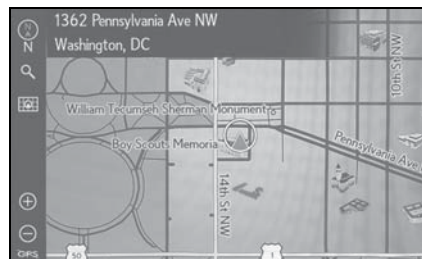
■ Displaying the map screen

The following operations can also be performed.

- Changing the map direction (→P.81)
- Displaying 3D map (→P.81)
- Changing the map color (→P.111)
- Displaying the micro city map (→P.81)

Moving the map screen

- 1 Select the desired point on the map screen.



- Move the desired point on the center of the map screen.



- Press the "MAP" button on the Remote Touch to return to the current position.

Zooming in/out the map

■ Zooming in the map

- 1 Select  or pinch out on the touchpad of the Remote Touch. (→P.80)

■ Zooming out the map

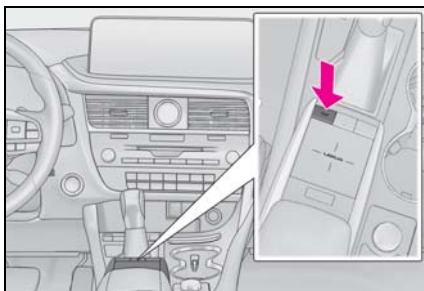
- 1 Select  or pinch in on the touchpad of the Remote Touch. (→P.80)

Guiding the route*

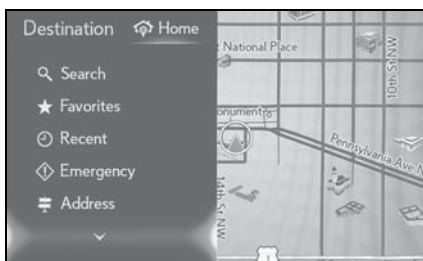
*: With navigation function

Setting the destination

- 1 Press the "MAP" button on the Remote Touch.



- 2 Select .
- 3 There are different kinds of methods to search for a destination. (→P.89)

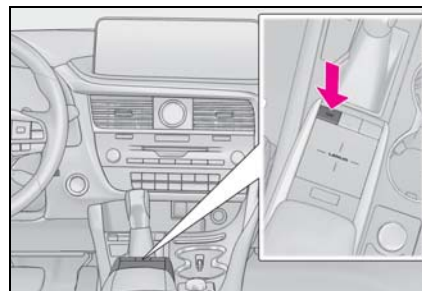


- 4 Select "Go".
- Check that the route overview is displayed. (→P.97)
- 5 Select "OK".
- Selecting routes other than the one recommended (→P.98)
- Guidance to the destination is displayed on the screen and can be heard via voice guidance.

Deleting destinations

When route guidance is no longer necessary, such as when you know the rest of the route to your destination, the destination can be deleted.

- 1 Press the "MAP" button on the Remote Touch.



- 2 Select .



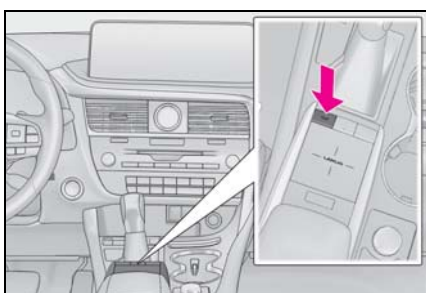
- 3 Select "Yes" when the confirmation screen appears.
- When more than 1 destination has been set, a list will be displayed on the screen. Select the item(s) to be deleted.

Registering home *

*: With navigation function

Registering home

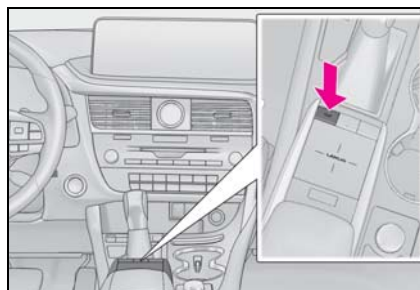
- 1 Press the "MAP" button on the Remote Touch.



- 2 Select .
 - 3 Select "Home".
 - 4 Select "Yes".
 - 5 Select "Address" (→P.92) or "Current Location" to search for your home.
 - 6 Select "OK".
- Registration of home is complete.
 - Registering home in a different way
→P.107
 - Editing the name, location and icon
→P.107
 - Setting home as the destination
→P.90

Setting home as the destination

- 1 Press the "MAP" button on the Remote Touch.



- 2 Select .
 - 3 Select "Home".
 - 4 Select "OK".
- Selecting routes other than the one recommended (→P.98)
 - Guidance to the destination is displayed on the screen and can be heard via voice guidance.

2-1. Basic information before operation

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----------------------------------	----

2-4. Other settings

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Initial screen

When the engine switch <power switch> is turned to ACCESSORY or IGNITION ON mode <ON mode>, the initial screen will be displayed and the system will begin operating.

Caution screen

After a few seconds, the caution screen will be displayed.

Waiting about 5 seconds or selecting "Continue" switches to the last displayed screen.

! WARNING

- When the vehicle is stopped with the engine running <hybrid system operating>, always apply the parking brake for safety.

Maintenance information*

*: With navigation function

This system reminds users when to replace certain parts or components and shows dealer information (if registered) on the screen.

When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the maintenance remainder screen will be displayed when the system is turned on.

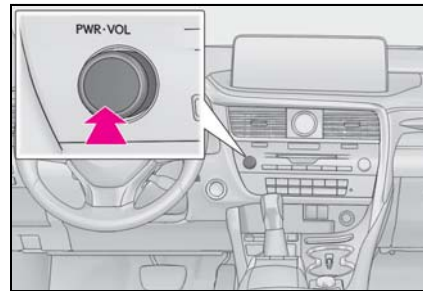
- To prevent this screen from being displayed again, select "Do Not Tell Me Again".

- To register maintenance information: →P.73
- If  is selected, the registered phone number can be called.

Restarting the system

When system response is extremely slow, the system can be restarted.

- Press and hold the "PWR•VOL" knob for 3 seconds or more.

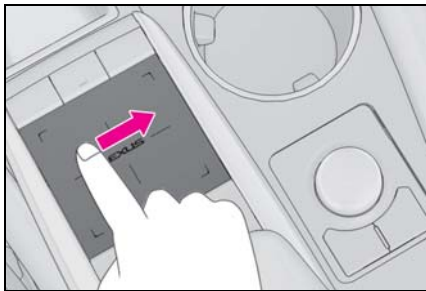


How to use the touchpad/touch screen

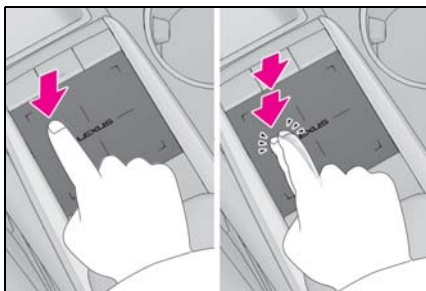
This system can be operated by the touchpad/touch screen when the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>.

Touchpad operation

- 1 Use the touchpad of the Remote Touch to select the desired button on the screen.



- 2 The buttons on the screen can be selected by either depressing or double tapping on the touchpad. Once a button has been selected, the screen will change.



- When the pointer moves close to a button, it will automatically snap to that button and the Remote Touch

feedback force (vibration) is generated by the touchpad.

This feedback force can be adjusted. (→P.67)

- Perform touchpad operations using a finger. Do not use nails or other objects like pens, etc.
- Perform pointer movement operations using only one finger. The pointer cannot be operated by using more than one finger.
- When water or other foreign materials are on the touchpad, a malfunction may occur. In those cases, wipe off the water or foreign materials and wait about 30 seconds before operating the touchpad.
- In the following cases, there is a possibility that the touchpad may not react normally:
 - When wearing gloves, etc.
 - When operated with a wet hand.
 - When a film, paint-like substance, etc., is on the touchpad.
 - When water or other foreign matter is on the touchpad.
 - Near a TV tower, electrical power plant, gas station, large display, airport or other facility that generates strong radio waves or electrical noise.
 - When wireless devices, such as portable radios and mobile phones are nearby.
 - When the following metal items are placed on the touchpad:
 - Coins
 - Keys
 - Metal parts of a wallet or purse
 - A card in which aluminum foil, etc., is attached
 - A box of cigarettes that uses aluminum foil
 - Disposable hand warmers
 - Media such as CD/DVDs, USB cables, etc.
 - When the temperature is -4 °F (-20°C) or less
- If a hand or object was placed on the touchpad when the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>, the touchpad may not react normally. In those

cases, remove what was set on the touchpad and operate it after waiting about 30 seconds. If there still no reaction, turn off the engine switch <power switch> and then turn it to ACCESSORY or IGNITION ON mode <ON mode> again.

- Clean the touchpad frequently, as the reaction of the touch operation may worsen if the touchpad is dirty. In order to prevent malfunctions when cleaning the touchpad, turn the engine switch <power switch> off.



NOTICE

- Do not allow the Remote Touch to come into contact with food, liquid, stickers or lit cigarettes as doing so may cause damage.
- Do not subject the Remote Touch to excessive pressure or strong impact as doing so may cause damage.
- Do not push the touchpad with a strong force or use a sharp pointed object to operate the pad, as it is possible to cause damage.

Touchpad gestures

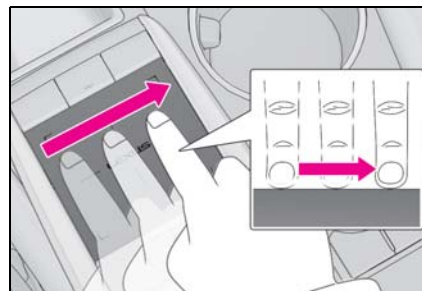
Operations are performed by touching the touchpad with your finger.

- Setting for the touchpad, such as movement speed of the pointer, can be changed. (→P.67)

Trace

Trace the pad surface while maintaining contact with the touchpad.

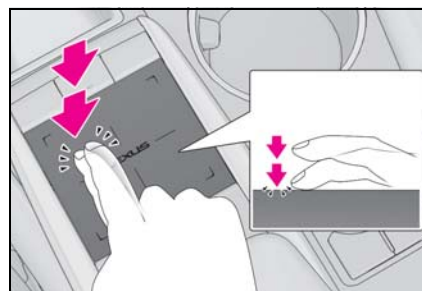
- Moving the cursor and the pointer.



Double tap

Tap the touchpad twice, quickly.

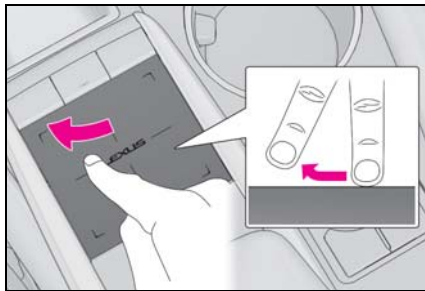
- Selecting the button on the screen.



Flick

Quick and long movement along the touchpad with your finger.

- Moving the list screen or map* screen.



* : With navigation function

- With navigation function: To move the map, "Map Flick" on the detailed navigation settings is required to be "On". (→P.111)
- The behavior of the flick operation differs depending on whether the vehicle is in motion or parked.

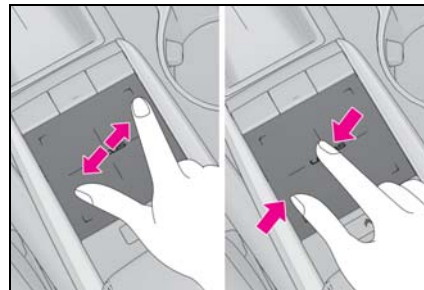
Pinch in/Pinch out*1,2

*1: With navigation function

*2: The Apple CarPlay Maps app is not compatible with pinch multi-touch gestures.

Slide fingers toward each other or apart on the touchpad.

- Changing the scale of the map.

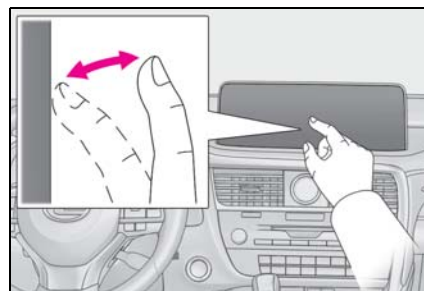
**Touch screen operation**

Operations are performed by touching the touch screen directly with your finger.

Touch

Quickly touch and release once.

- Selecting the button on the screen.



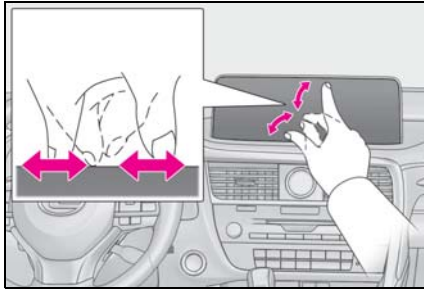
Pinch in/Pinch out ^{*1,2}

^{*1}: With navigation function

^{*2}: The Apple CarPlay Maps app is not compatible with pinch multi-touch gestures.

Slide fingers toward each other or apart on the screen.

- Changing the scale of the map.



- The  button (→P.15) and on cursor shortcut button (→P.18) cannot be operated by touching them. Additionally, the hand written entry operation (→P.40), trace and flick operations cannot be used on the touch screen.
- To prevent damaging the screen, lightly touch the screen buttons with your finger.
- Do not use objects other than your finger to touch the screen.
- If the system does not respond to touching a screen button, move your finger away from the screen and then touch it again.
- When  or  is displayed on the screen, select  or  to return to the previous screen.
- In the following situations, the touch screen may become unresponsive or may not function properly:
 - When wearing gloves, etc.
 - If the screen is touched by a fingernail
 - If your palm touches the operable area of another button during operation
 - If a screen cover or coating has been

applied to the screen

- If the screen is dirty or wet
- Near a TV tower, electrical power plant, gas station, large display, airport or other facility that generates strong radio waves or electrical noise.
- When wireless devices, such as portable radios and mobile phones are nearby.
- If the operable part of a touch screen button is touched by or covered with a metal object, such as the following, it may not operate properly:
 - Coins
 - Keys
 - Metal parts of a wallet or purse
 - A card in which aluminum foil, etc., is attached
 - A box of cigarettes that uses aluminum foil
 - Disposable hand warmers
 - Media such as CD/DVDs, USB cables, etc.
- When the temperature is -4 °F (-20°C) or less

- If the operable part of a touch screen button is wiped, it may operate unintentionally.
- If a touch screen button is being touched when the engine switch <power switch> is changed to ACCESSORY or IGNITION ON mode <ON mode>, the button may not operate properly. In this case, remove anything touching the button, turn the engine switch <power switch> to OFF and then turn it to ACCESSORY or IGNITION ON mode <ON mode>, or restart the system by press and hold the "PWR•VOL" knob for 3 seconds or more.



NOTICE

- Do not use the following liquids to clean the screen, as they may cause discoloration:
 - Organic solutions, such as benzene, gasoline or alcohol, and alkaline solutions.

Split-screen*

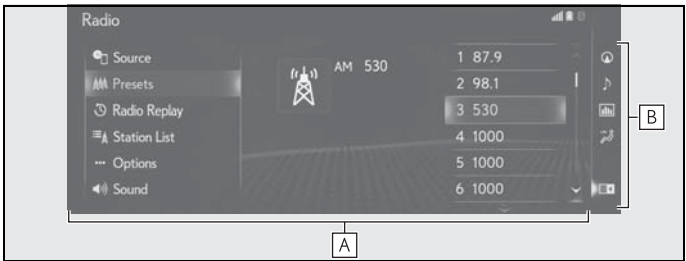
* : 12.3-inch display model

The screen can be operated in full screen or split-screen mode. Split-screen mode can display different information on the left and right of the screen. For example, navigation system screen* can be displayed and operated while the radio screen is being displayed.

* : With navigation function

Display overview

► Full screen display



A Main display

For details about each function and operation on the main display, refer to the respective section.

B Side display icons

Select to open/close the side display and change the displayed function.

► Split-screen display



A Main display

For details about each function and operation on the main display, refer to the respective section.

B Side display

The following functions can be displayed and operated on the side display.

- Navigation
- Audio
- Vehicle information
- Air conditioning

C Side display icons

Select to open/close the side display and change the displayed function.

Side display

To change the screen displayed on the side display, use the screen buttons on the right side of the display.

- 1 Select the desired button.



- A** Select to display the navigation screen. (→P.34)
- B** Select to display the audio control screen. (→P.35)
- C** Select to display the vehicle information screen.*
- D** Select to display the air conditioning control screen.*
- E** Select to hide/show the side display.

*: Refer to the "OWNER'S MANUAL".

Navigation system

A map* or a compass with information about the current position can be displayed.

*: With navigation function



Map scale

- 1 Select **+** or **-** to change the scale of the map screen.

Orientation of the map

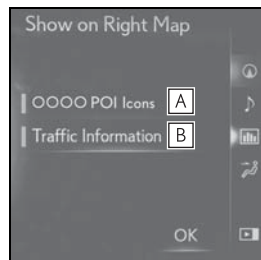
- 1 Select **N**, **N**, or **N**.

Switching the map mode

- 1 Select **<** or **>** to change the map mode.
- For details about the map mode, refer to "Switching the map mode on the side display". (→P.85)

Editing map

- 1 Select any point on the side map.
- 2 Select the desired item.

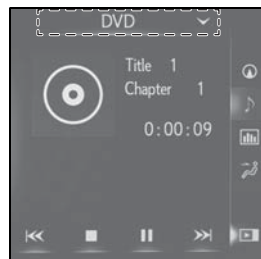


- A** Select to display POI icons.
(→P.83)
- B** Select to show traffic information.
(→P.87)

Audio/visual system

Switching modes

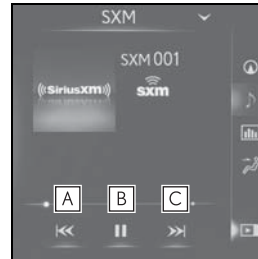
- 1 Select .



- 2 Select the desired source.

■ Radio operation

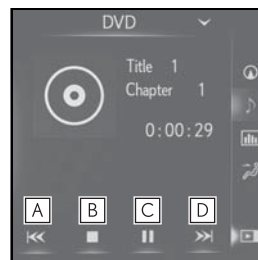
The broadcast cached in the program cache can be played back manually.



- A** Select to skips backward 2 minutes (AM/FM).
- B** Select to play/pause.
- C** Select to skips forward 2 minutes (AM/FM).
Select to change the track (SXM).

■ Media operation

Operations such as selecting a chapter, file or track are carried out on the screen.



- A** Select to change the chapter/track/file.
Select and hold to fast rewind.
- B** Select to stop the video screen.
- C** Select to play/pause.
- D** Select to change the chapter/track/file.
During playback: Select and hold to fast forward.
During a pause: Select and hold to slow forward.

2

Basic function

- Depending on the audio source, some functions may not be available.

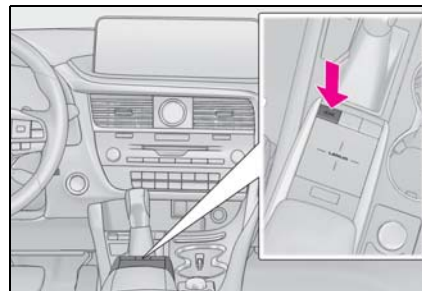
Home screen^{*}

^{*}: 8-inch display model

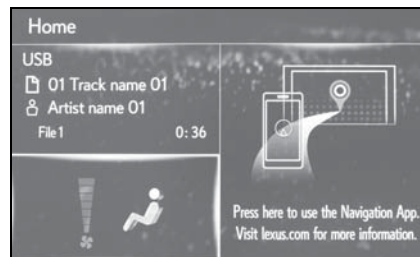
The home screen can display multiple information screens, such as the audio, fuel consumption and apps, simultaneously.

Home screen operation

- 1 Press the "HOME" button on the Remote Touch.



- 2 Check that the home screen is displayed.

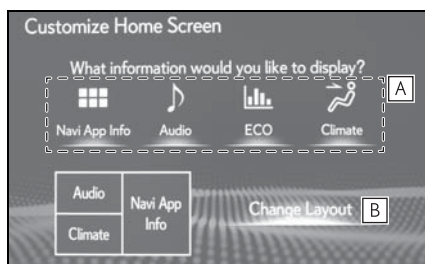


- When a screen is selected, the selected screen is switched to a full screen display.
-
- The display information and area on the home screen can be customized.
 - The home screen can be set to several types of split layouts

Customizing the home screen

The display information/area on the home screen and the home screen layout can be changed.

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Setup".
 - If the general settings screen is not displayed, select  "General".
- 3 Select "Customize Home Screen".
- 4 Select the items to be set.



- A** Select to change the display information and area on the home screen.
- B** Select to change the home screen layout.

Sub menu

Various options can be selected using the sub menu displayed on the left side of the main screen.

Move the cursor over the sub menu icon to display the sub menu.

The sub menu can also be displayed by touching the sub menu icon.

2

Basic function

Displaying the sub menu

- 1 Move the cursor over the sub menu icon.



- 2 Select the desired option on the sub menu.



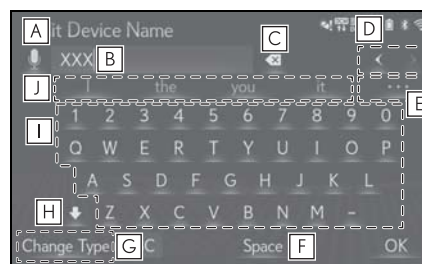
- The sub menu closes when the cursor is moved away from the sub menu.
- The sub menu items differ according to the function.
- In the full screen display on the 12.3-inch

display model, the sub menu is opened all the time.

Entering letters and numbers/list screen operation

Entering letters and numbers

When searching by an address, name, etc., or entering data, letters and numbers can be entered via the screen.



- A** When this icon is displayed, select to enable the dictation function.
(English only) (→P.182)
- B** Text field. Entered character(s) will be displayed.
- C** Select to erase one character.
Select and hold to continue erasing characters.
- D** Select to move the cursor.
- E** Select to display a list of predictive text candidates when there is more than one. (→P.39)
- F** Select to make a space on cursor.
- G** Select to change character and keyboard types. (→P.39)
- H** Select to enter characters in lower case or in upper case.
- I** Select to enter desired characters.
- J** Select to display predictive text candidates for entered text.
(→P.39)

* : With navigation function

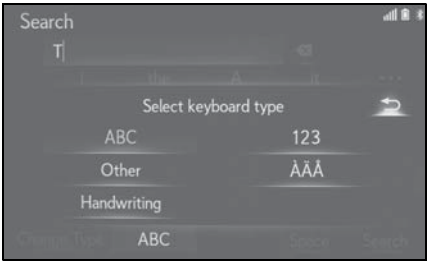
- Keyboard layout can be changed. (→P.67)

Changing character and key-board type

- 1 Select "Change Type".



- 2 Select the desired character and keyboard.

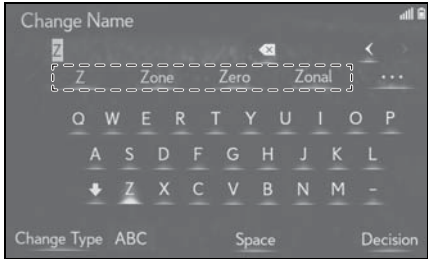


- Depending on the screen being displayed, it may not be possible to change keyboard characters.

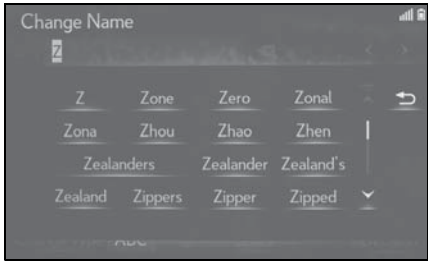
Select to display predictive text candidates

When text is input, the system predicts the text that may complete the currently unconfirmed text and displays predictive replacement candidates that match the beginning of the text.

- 1 Input text.
- 2 Select the desired candidate.

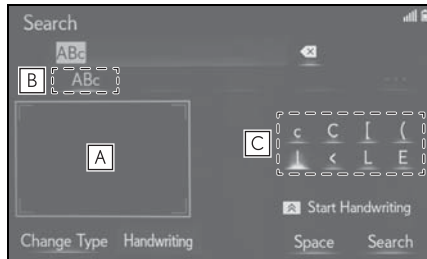


- To select a candidate that is not displayed, select "...", and then select the desired predictive replacement candidate.



Hand writing method

Characters can be entered by hand writing.

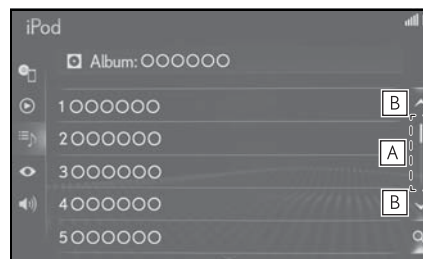


- A** Write the characters to be entered.
- B** Select the candidate character that corresponds to the entered hand written character.
- C** Select the candidate character that is displayed to enter the next desired character.
- Depending on the input screen and conditions, the following operations can be performed.
 - Back space: Draw a straight line from the bottom right to the bottom left.
 - Space: Draw a straight line from the bottom left to the bottom right.
 - Line Break: Draw a line from the top right to the bottom right and then continue to the bottom left at a right angle.
- To deselect the handwriting input range, press the touchpad of the Remote Touch or sub function button.

List screen

The list screen may be displayed after entering characters. When a list is displayed, use the appropriate screen button to scroll through the list.

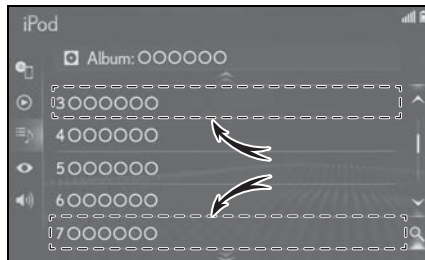
Scrolling list screen



- A** Select this part to scroll the list by operating the scroll bar.
To release scrolling the list, select the scroll bar again.
- B** Select to scroll the list.
- With navigation function: Matching items from the database are listed even if the entered address or name is incomplete.
- With navigation function: The list will be displayed automatically if the maximum number of characters is entered or matching items can be displayed on a single list screen.
- With navigation function: The number of matching items is shown on the right side of the screen. If the number of matching items is more than 999, the system displays "****" on the screen.
- With navigation function: It can be performed even if the "Map Flick" is set to "Off". (→P.111)

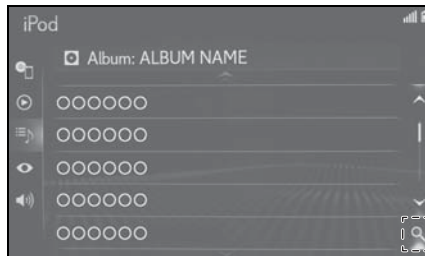
List screen flick operation

The list can be scrolled by flick operation when the cursor is over the top or bottom part of the list.

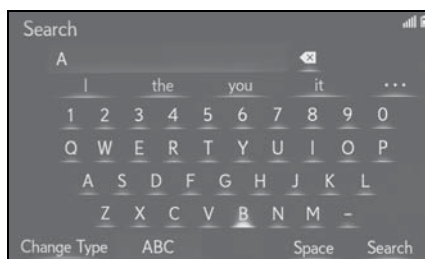
**Searching a list**

Items are displayed in the list with the most similar results of the search at the top.

- 1 Select .



- 2 Input text.



- 3 Select "Search".

- 4 The list is displayed.



- 12.3-inch display model: When text is input, a candidate list of items to search for is displayed on the side screen.

Sorting*

* With navigation function

The order of a list displayed on the screen can be sorted in the order of distance from the current location, date, category, etc.

- 1 Press the  button on the Remote Touch.



- 2 Select the desired sorting criteria.

Linking multi-information display and the system

The following functions of the system are linked with the multi-information display in the instrument cluster:

- Audio
- Phone^{*}

etc.

These functions can be operated using the meter control switches on the steering wheel. For details, refer to "OWNER'S MANUAL".

^{*}: When an Apple CarPlay connection is established, this function will be unavailable.

Registering/Connecting a Bluetooth® device

To use the hands-free system, it is necessary to register a Bluetooth® phone with the system.

Once the phone has been registered, it is possible to use the hands-free system.

This operation cannot be performed while driving.

When an Apple CarPlay connection is established, Bluetooth® functions of the system will become unavailable and any connected Bluetooth® devices will be disconnected.*

When connecting to Android Auto, a Bluetooth® connection will be made automatically.*

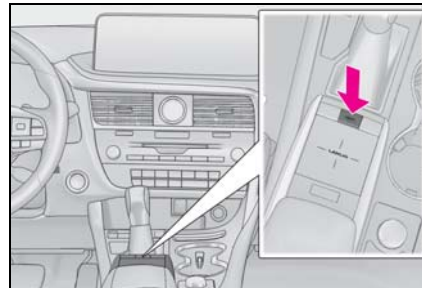
When an Android Auto connection is established, some Bluetooth® functions other than hands-free system cannot be used.*

* : This function is not available in some countries or areas.

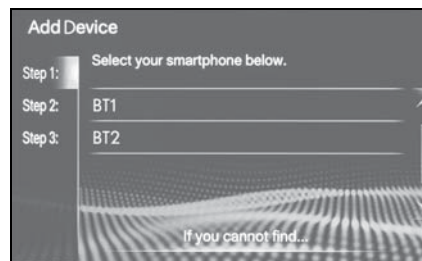
Registering a Bluetooth® phone for the first time

■ Registering from the system

- 1 Turn the Bluetooth® connection setting of your cellular phone on.
- This function is not available when Bluetooth® connection setting of your cellular phone is set to off.
- 2 Press the "MENU" button on the Remote Touch.



- 3 Select "Phone".
- 4 Select "Yes" to register a phone.
- 5 Select the desired Bluetooth® device.

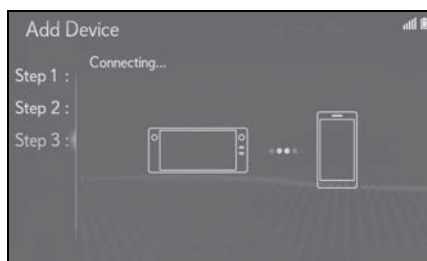


- If the desired Bluetooth® phone is not on the list, select "If you cannot find..." and follow the guidance on the screen. (→P.44)

2

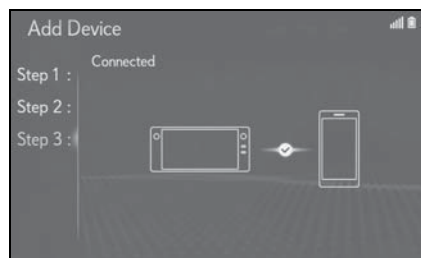
Basic function

- 6 Register the Bluetooth® device using your Bluetooth® device.
 - For details about operating the Bluetooth® device, see the manual that comes with it.
 - A PIN code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® devices. Depending on the type of Bluetooth® device being connected, a message confirming registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.
- 7 Check that the following screen is displayed, indicating pairing was successful.



- The system is connecting to the registered device.
- At this stage, the Bluetooth® functions are not yet available.

- 8 Check that "Connected" is displayed and registration is complete.



- If an error message is displayed, follow the guidance on the screen to try again.
- If a cellular phone does not operate properly after being connected, turn the cellular phone off and on and then connect it again.

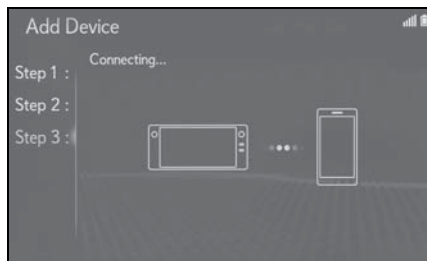
■ Registering from phone

When registering from the system is failed, or the phone name doesn't appear on the registering screen, need to connect the Bluetooth® phone manually.

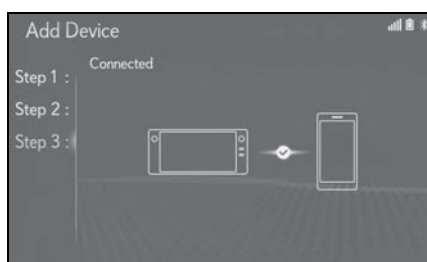
- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".
- 3 Select "Yes" to register a phone.
- 4 Select "If you cannot find..."
- 5 Select "Register from Phone".
- 6 Register the Bluetooth® device using your Bluetooth® device.
 - For details about operating the Bluetooth® device, see the manual that comes with it.
 - A PIN code is not required for SSP (Secure Simple Pairing) compatible

Bluetooth® devices. Depending on the type of Bluetooth® device being connected, a message confirming registration may be displayed on the Bluetooth® device's screen. Respond and operate the Bluetooth® device according to the confirmation message.

- 7 Check that the following screen is displayed, indicating pairing was successful.



- The registered device is connecting to the system.
 - At this stage, the Bluetooth® functions are not yet available.
- 8 Check that "Connected" is displayed and registration is complete.



- If an error message is displayed, follow the guidance on the screen to try again.
- If a cellular phone does not operate properly after being connected, turn the cellular

phone off and on and then connect it again.

Registering a Bluetooth® audio player for the first time

2

Basic function

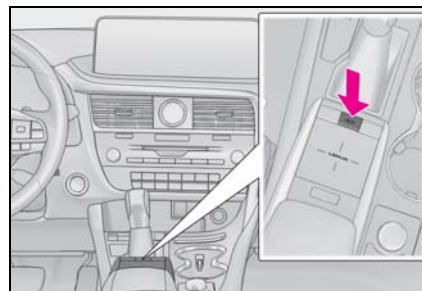
To use the Bluetooth® audio, it is necessary to register an audio player with the system.

Once the player has been registered, it is possible to use the Bluetooth® audio.

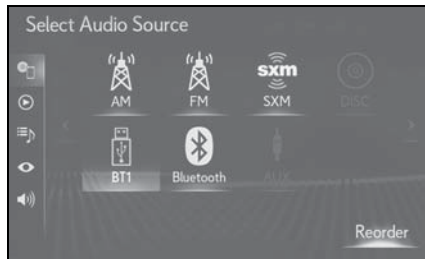
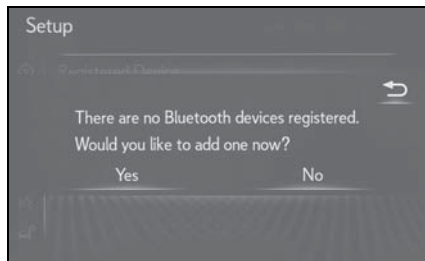
This operation cannot be performed while driving.

For details about registering a Bluetooth® device: →P.51

- 1 Turn the Bluetooth® connection setting of your audio player on.
- This function is not available when the Bluetooth® connection setting of your audio player is set to off.
- 2 Press the "MENU" button on the Remote Touch.



- 3 Select "Audio".
- 4 Select  "Source" on the sub menu.

5 Select "Bluetooth".**6** Select "Yes" to register an audio player.**7** Follow the steps in "Registering a Bluetooth® phone for the first time" from step **5**. (→P.43)

Profiles

This system supports the following services.

■ Bluetooth® Core Specification

- Ver. 2.0 (Recommended: Ver. 4.2)

■ Profiles

- HFP (Hands Free Profile) Ver. 1.0 (Recommended: Ver. 1.7)
 - This is a profile to allow hands-free phone calls using a cellular phone. It has outgoing and incoming call functions.
- OPP (Object Push Profile) Ver. 1.1 (Recommended: Ver. 1.2)
 - This is a profile to transfer contacts data.

- PBAP (Phone Book Access Profile) Ver. 1.0 (Recommended: Ver. 1.2)

- This is a profile to transfer phonebook data.

- MAP (Message Access Profile) Recommended: Ver. 1.2

- This is a profile to use phone message functions.

- SPP (Serial Port Profile) Ver. 1.1 (Recommended: Ver. 1.2)

- This is a profile to use the "Lexus Enform" function.

- A2DP (Advanced Audio Distribution Profile) Ver. 1.0 (Recommended: Ver. 1.3)

- This is a profile to transmit stereo audio or high quality sound to the audio/visual system.

- AVRCP (Audio/Video Remote Control Profile) Ver. 1.0 (Recommended: Ver. 1.6)

- This is a profile to allow remote control the A/V equipment.

- This system is not guaranteed to operate with all Bluetooth® devices.

- If your cellular phone does not support HFP, registering the Bluetooth® phone or using OPP, PBAP, MAP or SPP profiles individually will not be possible.

- If the connected Bluetooth® device version is older than recommended or incompatible, the Bluetooth® device function may not work properly.

- Refer to <http://www.lexus.com/MobileLink> to find approved Bluetooth® phones for this system.

● Certification



Bluetooth is a registered trademark of Bluetooth SIG, Inc.

Setting Bluetooth® details

When an Apple CarPlay connection is established, this function will be unavailable.*

When an Android Auto connection is established, some functions will be unavailable.*

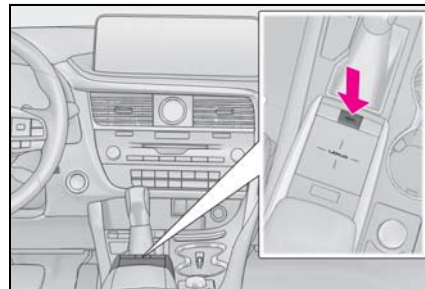
* : This function is not available in some countries or areas.

2

Basic function

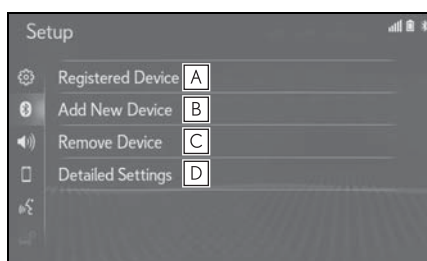
Displaying the Bluetooth® setup screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Bluetooth" on the sub menu.
- 4 Select the desired item to be set.

Bluetooth® setup screen



- A** Connecting a Bluetooth® device and editing the Bluetooth® device information (→P.48, 52)
- B** Registering a Bluetooth® device (→P.51)
- C** Deleting a Bluetooth® device (→P.51)
- D** Setting the Bluetooth® system (→P.53)

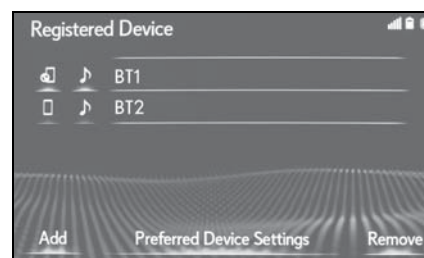
Connecting a Bluetooth® device

Up to 5 Bluetooth® devices (Phones (HFP) and audio players (AVP)) can be registered.

If more than 1 Bluetooth® device has been registered, select which device to connect to.

- 1** Display the Bluetooth® setup screen:
 - “MENU” button → “Setup”
 - “Bluetooth”
- 2** Select “Registered Device”.

- 3** Select the device to be connected.



“Add”: Registering a Bluetooth® device. (→P.51)

“Preferred Device Settings”: Select to change the automatic connection priority of the registered Bluetooth® devices. (→P.54)

“Remove”: Deleting a Bluetooth® device. (→P.51)

- Supported profile icons will be displayed.

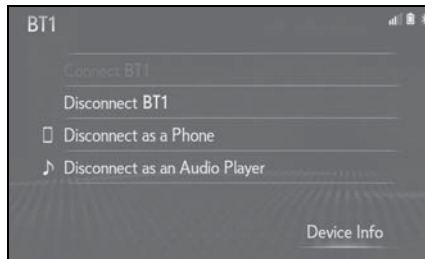
: Phone

: Audio player

: Phone/Lexus Enform service

- The profile icon for a currently connected device will be displayed in color.
- Selecting a profile icon which is not currently connected will switch the connection to the function.
- If the desired Bluetooth® device is not on the list, select “Add New Device” to register the device. (→P.51)

4 Select the desired connection.



► When another Bluetooth® device is connected

- To disconnect the Bluetooth® device, select “Yes”.

5 Check that a confirmation screen is displayed when the connection is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

- It may take time if the device connection is carried out during Bluetooth® audio playback.

- Depending on the type of Bluetooth® device being connected, it may be necessary to perform additional steps on the device.

- When disconnecting a Bluetooth® device, it is recommended to disconnect using the system.

Connecting a Bluetooth® device in a different way (from phone setup screen)

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Setup”.
- 3 Select “Phone” on the sub menu.
- 4 Select “Connect Phone”.
- 5 Select desired device name from the list.

Connecting a Bluetooth® device in a different way (from phone screen)

- 1 Press the “MENU” button on the Remote Touch.
- 2 Select “Phone”.
- 3 Select “Select Device” on the sub menu.
- 4 Select desired device name from the list.

2

Basic function

Connecting a Bluetooth® device in a different way (from Bluetooth® audio screen)

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Audio".
- 3 Select  "Source" on the sub menu.
- 4 Select "Bluetooth".
- 5 Select  "Connect" on the sub menu.
- 6 Select desired device name from the list.

■ Auto connection mode

To turn auto connection mode on, set "Bluetooth Power" to on. (→P.53)

Leave the Bluetooth® device in a location where the connection can be established.

- When the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>, the system searches for a nearby registered device.
- The system will connect with the registered device that was last connected, if it is nearby. When automatic connection priority is set to on and there is more than one registered Bluetooth® phone available, the system will automatically connect to the Bluetooth® phone with the highest priority. (→P.53)

■ Connecting manually

When the auto connection has failed or "Bluetooth Power" is turned off, it is necessary to connect the Bluetooth® device manually.

- 1 Display the Bluetooth® setup screen:
 - "MENU" button → "Setup"
 -  "Bluetooth"
- 2 Follow the steps in "Connecting a Bluetooth® device" from step 2. (→P.48)

■ Reconnecting the Bluetooth® phone

If a Bluetooth® phone is disconnected due to poor reception from the Bluetooth® network when the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>, the system automatically reconnects the Bluetooth® phone.

Registering a Bluetooth® device

Up to 5 Bluetooth® devices can be registered.

Bluetooth® compatible phones (HFP) and audio players (AVP) can be registered simultaneously.

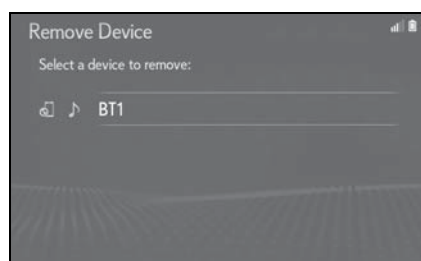
This operation cannot be performed while driving.

- 1 Display the Bluetooth® setup screen:
 - “MENU” button → “Setup”
→  “Bluetooth”
- 2 Select “Add New Device”.
 - ▶ When another Bluetooth® device is connected
 - To disconnect the Bluetooth® device, select “Yes”.
 - ▶ When 5 Bluetooth® devices have already been registered
 - A registered device needs to be replaced. Select “Yes”, and select the device to be replaced.
- 3 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 5. (→P.43)

Deleting a Bluetooth® device

This operation cannot be performed while driving.

- 1 Display the Bluetooth® setup screen:
 - “MENU” button → “Setup”
→  “Bluetooth”
- 2 Select “Remove Device”.
- 3 Select the desired device.



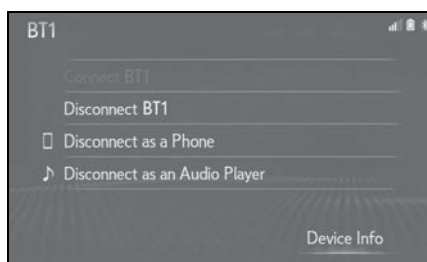
- 4 Select “Yes” when the confirmation screen appears.
 - 5 Check that a confirmation screen is displayed when the operation is complete.
- When deleting a Bluetooth® phone, the contact data will be deleted at the same time.

Editing the Bluetooth® device information

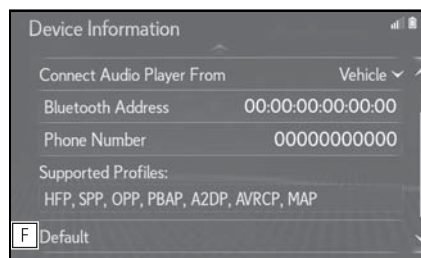
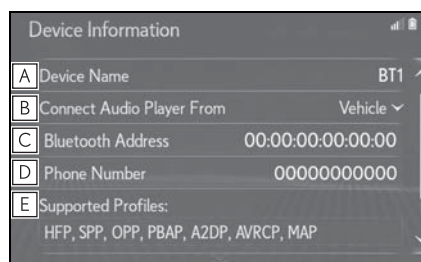
The Bluetooth® device's information can be displayed on the screen. The displayed information can be edited.

This operation cannot be performed while driving.

- 1 Display the Bluetooth® setup screen:
 - "MENU" button → "Setup" →  "Bluetooth"
- 2 Select "Registered Device".
- 3 Select the desired device to be edited.
- 4 Select "Device Info".



- 5 Confirm and change the Bluetooth® device information.



- A** The name of the Bluetooth® device is displayed. It can be changed to a desired name. (→P.53)
- B** Select to set the Bluetooth® audio player connection method. (→P.53)
- C** Device address is unique to the device and cannot be changed.
- D** Phone number is unique to the Bluetooth® phone and cannot be changed.
- E** Compatibility profile is unique to the Bluetooth® device and cannot be changed.
- F** Select to reset all setup items.

- If 2 Bluetooth® devices have been registered with the same device name, the devices can be distinguished referring to the device's address.

- Depending on the type of Bluetooth® phone, some information may not be displayed.

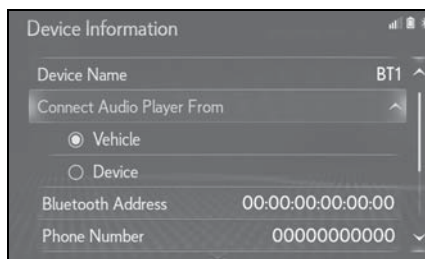
Changing a device name

- 1 Select "Device Name".
- 2 Enter the name and select "OK".

- Even if the device name is changed, the name registered in your Bluetooth® device does not change.

Setting audio player connection method

- 1 Select "Connect Audio Player From".
- 2 Select the desired connection method.



"Vehicle": Select to connect the audio player from the vehicle's audio/visual system.

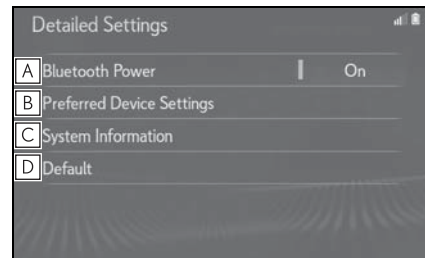
"Device": Select to connect the vehicle's audio/visual system from the audio player.

- Depending on the audio player, the "Vehicle" or "Device" connection method may be best. As such, refer to the manual that comes with the audio player.

"Detailed Settings" screen

The Bluetooth® settings can be confirmed and changed.

- 1 Display the Bluetooth® setup screen:
 - "MENU" button → "Setup" → Bluetooth®
- 2 Select "Detailed Settings".
- 3 Select the desired item to be set.



- A Select to set Bluetooth® connection on/off. (→P.54)
- B Select to change the automatic connection priority of the registered Bluetooth® devices. (→P.54)
- C Select to edit the system information. (→P.55)
- D Select to reset all setup items.

Changing "Bluetooth Power"

- 1 Select "Bluetooth Power".

When "Bluetooth Power" is on:

The Bluetooth® device is automatically connected when the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>.

When "Bluetooth Power" is off:

The Bluetooth® device is disconnected, and the system will not connect to it next time.

- While driving, the auto connection state can be changed from off to on, but cannot be changed from on to off.

Setting automatic connection priority

The automatic connection priority of the registered Bluetooth® devices can be changed.

- 1 Select "Preferred Device Settings".
- 2 Select the desired item to be set.



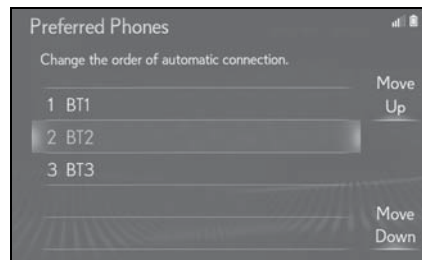
- A Select to set automatic connection priority on/off.
- B Select to change the automatic connection priority of the registered Bluetooth® phones. (→P.54)
- C Select to change the automatic

connection priority of the registered Bluetooth® audio players. (→P.54)

- D Select to reset all setup items.

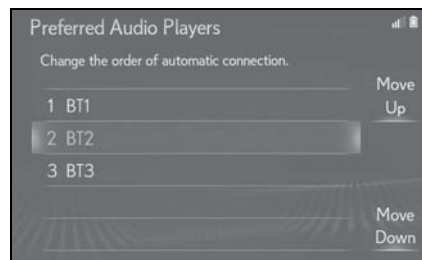
Changing phone automatic connection priority

- 1 Select "Preferred Phones".
- 2 Select the desired Bluetooth® device and select "Move Up" or "Move Down" to change the preferred order.



Changing audio player automatic connection priority

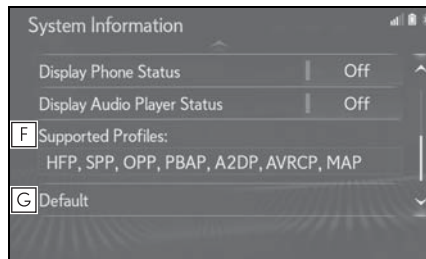
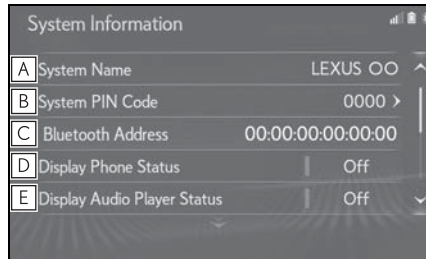
- 1 Select "Preferred Audio Players".
- 2 Select the desired Bluetooth® device and select "Move Up" or "Move Down" to change the preferred order.



- A newly registered Bluetooth® device will automatically be given the highest automatic connection priority.

Editing the system information

- 1 Select "System Information".
- 2 Select the desired item to be set.



- A** Displays system name. Can be changed to a desired name. (→P.55)
- B** PIN code used when the Bluetooth[®] device was registered. Can be changed to a desired code. (→P.55)
- C** Device address is unique to the device and cannot be changed.
- D** Select to set the connection status display of the phone on/off.
- E** Select to set the connection status display of the audio player on/off.
- F** Compatibility profile of the system
- G** Select to reset all setup items.

Editing the system name

- 1 Select "System Name".

- 2 Enter a name and select "OK".

Editing the PIN code

- 1 Select "System PIN Code".
- 2 Enter a PIN code and select "OK".

2

Basic function

Wi-Fi® Hotspot

By connecting a device to the vehicle via Wi-Fi®, it can access the internet through the DCM (Data Communication Module).

- To use this function, a Wi-Fi® Hotspot service subscription from AT&T is required. Connect your device to the in-vehicle access point (see instructions below), or contact the Customer Experience Center at 1-800-331-4331 for assistance.
- This function is not available in some countries or areas.

Connecting a device to the in-vehicle access point

Searching for and connecting a device to the vehicle access point

- 1 Enable the Wi-Fi® Hotspot function. (→P.57)
 - 2 Disable the “Hide Access Point” function. (→P.57)
 - 3 Search for the vehicle access point using the device you wish to connect.
- For details about operating the device, refer to the documentation which came with it.
 - 4 Operate the device to connect it to the vehicle access point.
 - To check the vehicle access point

password, check “Password”. (→P.57)

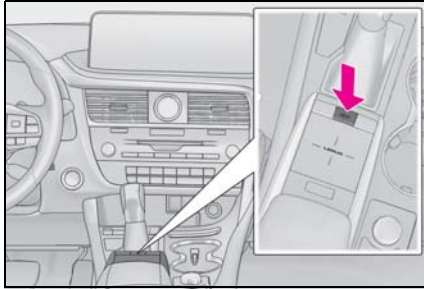
- Hints for connecting to the vehicle via Wi-Fi® can be displayed. (→P.57)

Connecting a device to the in-vehicle access point using the access point name (SSID)

- 1 Enable the Wi-Fi® Hotspot function. (→P.57)
 - 2 Enable the “Hide Access Point” function. (→P.57)
 - 3 Enter the access point name (SSID) into the device you wish to connect and connect it.
- To check the vehicle access point password, check “Password”. (→P.57)
 - The security settings on the device must be the same as that displayed for “Security”. (→P.57)
 - For details about operating the device, refer to the documentation which came with it.

Changing the Wi-Fi® settings

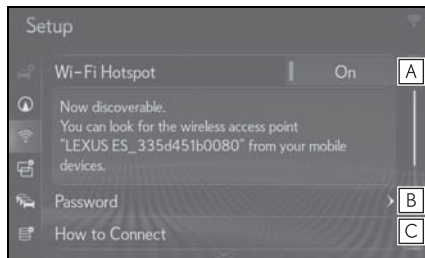
- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Wi-Fi*" on the sub menu.

*: Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

- 4 Select the desired item to be set.



- A Select to enable/disable the Wi-Fi® Hotspot function. (→P.57)
- B Select to check/change the access

point password. (→P.58)

- C Select to display hints for connecting to the vehicle via Wi-Fi®.
- D Select to make the access point searchable/unsearchable.
- E Select to check/change the security protocol of the access point (for authentication and encryption). (→P.58)
- F Select to change the access point name (SSID). (→P.58)
- G Select to change the Wi-Fi® connection channel (within the 2.4GHz frequency band). (→P.58)

- If any settings have been changed, it will be necessary to reset the Wi-Fi® system to complete the changes. To reset the Wi-Fi® system, select "Yes" on the pop-up displayed after changing the settings.

Enabling/disabling the Wi-Fi® Hotspot function

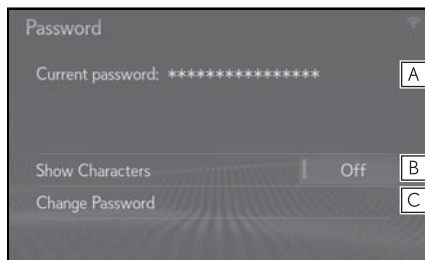
When the Wi-Fi® Hotspot function is enabled, the system checks for a valid Hotspot service subscription.

If a Hotspot service subscription has not been started, connect your device to the in-vehicle access point to start your subscription. A trial subscription may be available.

Contact your Lexus dealer for details about the App Suite.

Checking/changing the password

- 1 Select "Password".
- 2 Check that the following screen is displayed.



- A** Displays the password
- B** Select to display/hide the entered password.
- C** Select to change the password.

Changing the password

- 1 Select "Change Password".
 - 2 Enter the desired password and select "OK".
- When setting/changing a password, observe the following guidelines to help prevent the password from being cracked by a third party:
 - Use an 8-character or longer password consisting of letters and numbers. (Non-ASCII characters will not be recognized by the system.)
 - Change the password regularly.
 - If you write the password down, do not leave it somewhere where it would be visible.
 - Do not use the same or a similar password to that for other accounts.

- Avoid using easy to identify words, such as your vehicle's model name or license plate number, simple dictionary words, or words with simple obfuscation, such as c@t (for cat), as your password.

Changing the security protocol

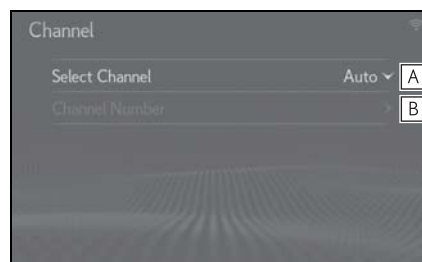
- 1 Select "Security".
- 2 Select the desired security protocol.

Changing the access point name (SSID)

- 1 Select "Access Point Name".
- 2 Enter the desired access point name (SSID) and select "OK".

Selecting a Wi-Fi® connection channel

- 1 Select "Channel".
- 2 Check that the following screen is displayed.



- A** Select to change the channel selection to automatic/manual.
- B** When "Manual" is selected, select to change the channel.

Changing the channel

- 1 Set "Select Channel" to "Manual".
 - 2 Select "Channel Number".
 - 3 Enter the desired channel number and select "OK".
- Channels 1 through 11 can be selected.

Wi-Fi® function operating hints

- If a connected device is taken out of the Wi-Fi® connection area, the connection will be severed.
- If the vehicle is driven out of the cellular communication coverage area, connecting to the internet via the Wi-Fi® Hotspot will not be possible.
- If a Bluetooth® device is used while a device is connected using the Wi-Fi® Hotspot function, the communication speed may decrease.
- Depending on the environment in which the access point is used, the communication speed may be low or communication may not be possible.

**WARNING**

- Use Wi-Fi® devices only when safe and legal to do so.
- Your audio unit is fitted with Wi-Fi® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Wi-Fi® antennas.
The radio waves may affect the operation of such devices.

- Before using Wi-Fi® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

Conditions displayed with Wi-Fi® icon

The condition of Wi-Fi® connection appears on the right upper side of the screen. (→P.19)

Specifications

- Communication standards
 - IEEE 802.11b
 - IEEE 802.11g
 - IEEE 802.11n (2.4GHz)
 - Security
 - WPA™
 - WPA2™
- WPA™ and WPA2™ are trademarks of Wi-Fi Alliance®.

Apple CarPlay/Android Auto*

*: This function is not available in some countries or areas.

Apple CarPlay/Android Auto allows some applications, such as Map, Phone, and Music, to be used on the system.

When an Apple CarPlay/Android Auto connection is established, Apple CarPlay/Android Auto compatible applications will be displayed on the system display.

- Compatible devices

Apple iPhone (iOS Ver. 11 or later) that supports Apple CarPlay.

For details, refer to <https://www.apple.com/ios/carplay/>.*

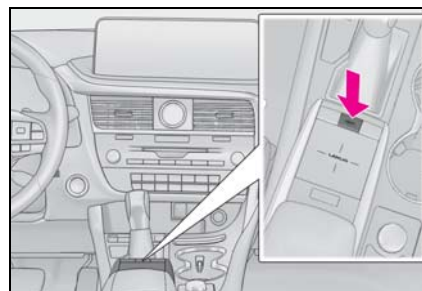
Android™ devices which support Android Auto and have the Android Auto application installed.

For details, refer to <https://www.android.com/auto/>.*

*: Some devices may not operate with this system.

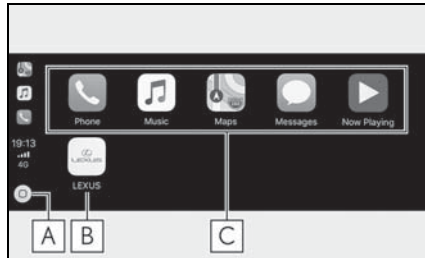
Establishing an Apple CarPlay connection

- 1 Enable Siri on the device to be connected.
- 2 Connect the device to the USB port. (→P.127)
- 3 Select "Always Enable" or "Enable Once".
 - If "Do Not Enable" is selected, an Apple CarPlay connection will not be established. In this case, the device can be operated as a normal Apple device, such as an iPod. Apple CarPlay will remain off until "Apple CarPlay" of "Projection Settings" on the general settings screen is turned on. (→P.67)
 - Depending on the device connected, it may take approximately 3 to 6 seconds before the system returns to previous screen.
 - The screen may change to "step 6" depending on the system.
- 4 Press the "MENU" button on the Remote Touch.



- 5 Select "Apple CarPlay".

- 6 Check that home screen of Apple CarPlay is displayed.



- A** Select to display the home screen of Apple CarPlay.

Select and hold to activate Siri.

Siri can also be activated by pressing and holding the talk switch on the steering wheel.

- B** Select to display the system screen.

- C** Select to start the application.

User can use any iPhone application supported by Apple CarPlay.

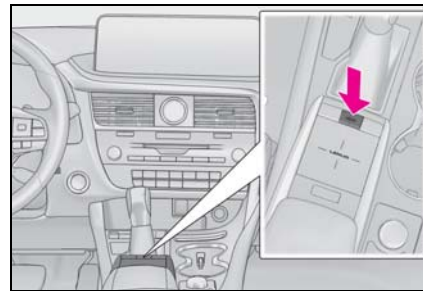
Establishing an Android Auto connection

- 1 Check that the Android Auto application is installed to the device to be connected.
- 2 Connect the device to the USB port. (→P.127)
- 3 Select "On" to enable the function.
 - "Off": Select to not enable Android Auto. Android Auto will remain off until "Android Auto" of "Projection Settings" on the general settings screen is turned on. (→P.67)
 - Depending on the device connected, it may take approximately 3 to 6 seconds before the system

returns to previous screen.

- The screen may change to "step 6" depending on the system.

- 4 Press the "MENU" button on the Remote Touch.



- 5 Select "Android Auto".

- 6 Check that Android Auto screen is displayed.

- When an Apple CarPlay/Android Auto connection is established, the function of some system buttons will change.

- When an Apple CarPlay/Android Auto connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay/Android Auto functions or will become unavailable:

- iPod (Audio Playback)
- USB audio/USB video
- Bluetooth® audio
- Bluetooth® phone (Apple CarPlay only)
- Lexus Enform App Suite 2.0

- When an Apple CarPlay/Android Auto connection is established, voice command system (Siri/Google Assistant) and map application voice guidance volume can be changed by selecting "Voice Volume" on the voice settings screen. (→P.72) It cannot be changed by "PWR•VOL" knob on Audio control panel.

- Apple CarPlay/Android Auto is an application developed by Apple Inc/Google LLC. Its functions and services may be terminated or changed without notice

depending on the connected device's operation system, hardware and software, or due to changes in Apple CarPlay/Android Auto specifications.

- For a list of the apps supported by Apple CarPlay or Android Auto, refer to their respective website.
- While using these functions, vehicle and user information, such as location and vehicle speed, will be shared with the respective application publisher and the cellular service provider.
- By downloading and using each application, you agree to their terms of use.
- Data for these functions is transmitted using the internet and may incur charges. For information about data transmission fees, contact your cellular service provider.
- Depending on the application, certain functions, such as music playback, may be restricted.
- As the applications for each function are provided by a third-party, they may be subject to change or discontinuation without notice.
For details, refer to the website of the function.
- If the vehicle's navigation system is being used for route guidance and a route is set using the Apple CarPlay/Android Auto Maps app, route guidance will be performed through Apple CarPlay/Android Auto.
If the Apple CarPlay/Android Auto Maps app is being used for route guidance and a route is set using the vehicle's navigation system, route guidance will be performed by the vehicle's navigation system.
- If the USB cable is disconnected, operation of Apple CarPlay/Android Auto will end.
At this time, sound output will stop and change to the system screen.



- 12.3-inch display model:
Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this accessory with an Apple product may affect wireless performance.
- 8-inch display model:
Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone or iPod may affect wireless performance.
- Apple CarPlay is a trademark of Apple Inc.
- Compatible models
Made for
 - iPhone X
 - iPhone 8
 - iPhone 8 Plus
 - iPhone 7
 - iPhone 7 Plus
 - iPhone SE
 - iPhone 6s
 - iPhone 6s Plus
 - iPhone 6
 - iPhone 6 Plus
 - iPhone 5s
 - iPhone 5c
 - iPhone 5

androidauto

2

Basic function

- Android and Android Auto are trademarks of Google LLC.



WARNING

- Do not connect smartphone or operate the controls while driving.



NOTICE

- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.
- Do not push down on or apply unnecessary pressure to the smartphone while it is connected as this may damage the smartphone or its terminal.
- Do not insert foreign objects into the port as this may damage the smartphone or its terminal.

Troubleshooting

If you are experiencing difficulties with Apple CarPlay/Android Auto, check the following table.

Symptom	Solution
An Apple CarPlay/Android Auto connection cannot be established.	Check if the device supports Apple CarPlay/Android Auto. Check if Apple CarPlay/Android Auto is enabled on the connected device. Check if that the Android Auto application is installed to the device to be connected. For details, refer to Apple CarPlay: https://www.apple.com/ios/carplay/ Android Auto: https://www.android.com/auto/ For available countries or areas for Apple CarPlay, refer to https://www.apple.com/ios/feature-availability/#apple-carplay.
	Check if “Apple CarPlay”/“Android Auto” of “Projection Settings” on the general settings screen is set to on. (→P.67)
	Check if the USB cable being used is securely connected to the device and USB port. Check that the device is connected directly to the USB port of the system and not connected to a USB hub. For Apple CarPlay: Check if the Lightning cable being used is certified by Apple. Check if Siri is enabled.
	Replace the USB cable with another cable. (A short USB cable is recommended)
	After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.60, 61)
When an Apple CarPlay/Android Auto connection is established and a video is being played, the video is not displayed, but audio is output through the system.	As the system is not designed to play video through Apple CarPlay/Android Auto, this is not a malfunction.

Symptom	Solution
Although an Apple CarPlay/Android Auto connection is established, audio is not output through the system.	The system may be muted or the volume may be low. Increase the system volume.
The Apple CarPlay/Android Auto screen has artifacts and/or audio from Apple CarPlay/Android Auto has noise.	Check if the USB cable being used to connect the device to the system is damaged. To check if the USB cable is damaged internally, connect the device to another system, such as a PC, and check if the device is recognized by the connected system. (The device should begin charging when connected.)
	Replace the USB cable with another cable. (A short USB cable is recommended)
	After checking all of the above, try to establish an Apple CarPlay/Android Auto connection. (→P.60, 61)
The map display of the Apple CarPlay Maps app (Apple Maps) cannot be enlarged or contracted with pinch multi-touch gestures.	As the Apple CarPlay Maps app (Apple Maps) is not compatible with pinch multi-touch gestures, this is not a malfunction.
The Apple CarPlay screen is only displayed in the center of the 12.3-inch display and does not take up the entire screen.	The 12.3-inch display is supported by iOS Ver. 10 and later. Update to the latest iOS version.
The touchpad does not vibrate on the Apple CarPlay screen.	Vibration feedback is supported by iOS Ver. 11 and later. Update to the latest iOS version.
During Apple CarPlay music application (Apple Music, Spotify, etc.) playback, if the iPhone is operated to start and play audio from an application that is not compatible with Apple CarPlay* and the onboard device volume is changed, the audio of the incompatible application stops and the system resumes playback of the original music application.	This operation is performed according to the specification of the onboard device, this is not a malfunction.

Symptom	Solution
After interrupt audio (such as navigation route guidance) is played from an application that is not compatible with Apple CarPlay while the onboard device is playing audio (FM/AM, CD, etc.), the system does not resume playback of the original audio (FM/AM, CD, etc.).	This operation is performed according to the specification of the onboard device, this is not a malfunction. Manually change the audio source by yourself. Or, do not use applications that are not compatible with Apple CarPlay. Due to some navigation applications are compatible from iOS 12, update to the latest iOS and application versions.
When using Apple CarPlay, route guidance arrows and turn by turn navigation are not displayed on the multi-information display and system display. When using Android Auto, turn by turn navigation is not displayed on the multi-information display and system display.	This is not a malfunction as display of these items is not possible with this function.
When using Android Auto, hands-free call audio cannot be heard from the vehicle's speakers.	Disconnect the phone from the USB cable and check if hands-free call audio can be heard using the hands-free system. Connect the phone to the system using Android Auto, turn up the volume on the system and check if hands-free call audio can be heard. Check if other sounds can be heard from the vehicle's speakers.

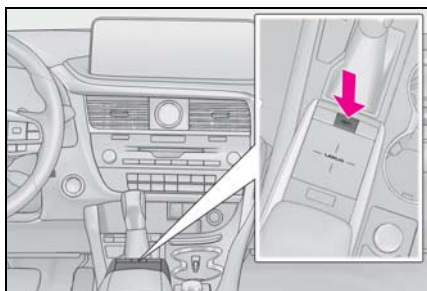
* : Applications not compatible with Apple CarPlay are applications installed on the iPhone that are not displayed on the Apple CarPlay screen application list. (such as visual voice-mail)

General settings

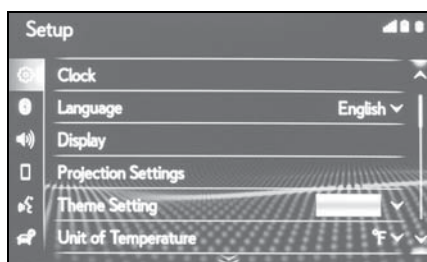
Settings are available for automatic screen change, operation sounds, etc.

Displaying the general settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
 - If the general settings screen is not displayed, select "General".
- 3 Select the desired items to be set.



General settings screen

● "Clock"

Select to change the time zone, set the daylight saving time on/off and set the automatic adjustment of the clock on/off. (→P.68)

● "Language"

Select to change the language. The language setting of Apple CarPlay/Android Auto can only be changed on the connected device.

● "Customize Home Screen"*1

Select to change the display information/area on the home screen and the home screen layout. (→P.36)

● "Display"*2

Select to adjust the contrast and brightness of the screens, turn the screen off, etc. (→P.69)

● "Projection Settings"*3

Select to set automatic Apple CarPlay/Android Auto connection establishment on/off. (→P.70)

● "Beep"*1

Select to sound beeps.

● "Theme Setting"

Select to change the screen theme setting.

● "Unit of Temperature"*2

Select to change the unit of temperature.

● "Units of Measurement"

Select to change the unit of measure for distance/fuel consumption.

● "Auto Change to Screen"*4

Select to set automatic screen changes from the audio/air conditioning control

screen to the map screen to on/off. When set to on, the screen will automatically return to the map screen from the audio/air conditioning control screen after 20 seconds.

- "Selection Sound"*2

Select to set the selection sounds on/off.

- "Pointer Sound"*2

Select to set the pointer sounds on/off.

- "Error Sound"*2

Select to set the error sounds on/off.

- "Pointer Sound Volume"*2

Select to adjust the pointer sound volume.

- "Feedback Force"

Select to adjust the level of the haptic feedback force (vibration) to the touchpad, when selecting a screen button.

- "Cursor Speed"

Select to adjust the pointer speed.

- "Multi-Touch Command"

Select to set the multi-touch command on/off.

- "Keyboard Layout"

Select to change the keyboard layout.

- "Delete Keyboard History"

Select to delete the keyboard history.

- "Memorize Keyboard History"

Select to set the memorize keyboard history on/off.

- "Animation"*1

Select to turn the animations on/off.

- "Delete Search History"*2

Select to delete the search history.

- "Delete Personal Data"

Select to delete personal data. (→P.71)

- "Software Update"

Select to update software versions. For details, contact your Lexus dealer.

- "Software Update Setting"*3

Select to set software update setting. (→P.71)

- "Gracenote Database Update"

Select to update "Gracenote" database versions. For details, contact your Lexus dealer.

- "Software Information"

Select to display the software information. Notices related to third party software used in this product are enlisted. (This includes instructions for obtaining such software, where applicable.)

*1: 8-inch display model

*2: 12.3-inch display model

*3: This function is not available in some countries or areas.

*4: With navigation function

Clock settings

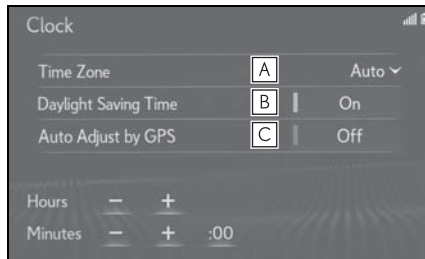
Used for changing the time zone and setting of daylight saving time and automatic time adjustment on/off.

1 Display the general settings screen:

- "MENU" button → "Setup"

→  "General"

2 Select "Clock".

3 Select the desired items to be set.

- A** Select to change the time zone. (→P.69)
- B** Select to set daylight saving time on/off.
- C** Select to set automatic adjustment of the clock by GPS on/off. When set to off, the clock can be manually adjusted. (→P.69)

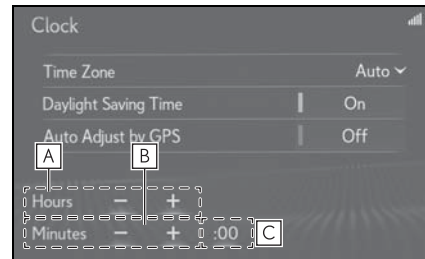
Setting the time zone

- 1** Select "Time Zone".
- 2** Select the desired time zone.
 - If "Auto"* is selected, the time zone is selected automatically by current vehicle position.
 - If "Other" is selected, the zone can be adjusted manually. Select "+" or "-" to adjust the time zone.

* : 12.3-inch display model

Manual clock setting

When "Auto Adjust by GPS" is turned "Off", the clock can be manually adjusted.

1 Select the desired item.

- A** Select "+" to set the time forward one hour and "-" to set the time back one hour.
- B** Select "+" to set the time forward one minute and "-" to set the time back one minute.
- C** Select to round to the nearest hour.

e.g.

1:00 to 1:29 → 1:00

1:30 to 1:59 → 2:00

Display settings (screen adjustment)

The contrast and brightness of the screen display and the image of the camera display can be adjusted. The screen can also be turned off, and/or changed to either day or night mode. (For information regarding audio/visual screen adjustment: →P.129)

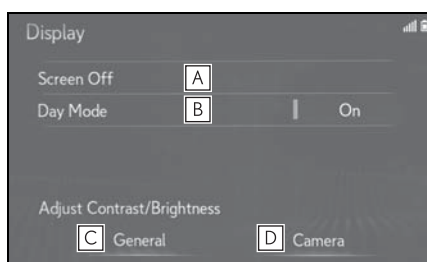
- 1** Display the general settings screen:
 - ▶ 12.3-inch display model
 - "MENU" button → "Setup"
 - "General"
 - ▶ 8-inch display model
 - Press the "MENU" button on the

2

Basic function

Remote Touch.

- 2 Select "Display".
- 3 Select the desired items to be set.



- A** Select to turn the screen off. To turn it on, press any button on the audio control switch or on the Remote Touch.
- B** Select to turn day mode on/off. (→P.70)
- C** Select to adjust the screen display. (→P.70)
- D** Select to adjust the camera display. (→P.70)

Changing between day and night mode

Depending on the position of the headlight switch, the screen changes to day or night mode. This feature is available when the headlight is switched on.

- 1 Select "Day Mode".

- If the screen is set to day mode with the headlight switch turned on, this condition is memorized even with the engine <hybrid system> turned off.

Adjusting the contrast/brightness

The contrast and brightness of the screen can be adjusted according to

the brightness of your surroundings.

- 1 Select "General" or "Camera".
- 2 Select the desired item.

- "Display (General)" screen only:

Select **<** or **>** to select the desired display.

- "Contrast"

"+": Select to strengthen the contrast of the screen.

"-": Select to weaken the contrast of the screen.

- "Brightness"

"+": Select to brighten the screen.

"-": Select to darken the screen.

Projection settings*

*: This function is not available in some countries or areas.

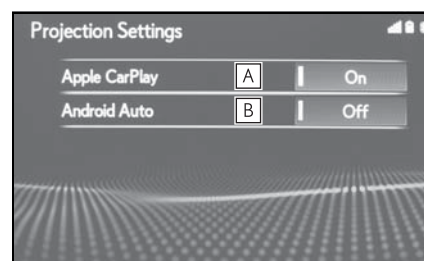
- 1 Display the general settings screen:

- "MENU" button → "Setup"

→ "General"

- 2 Select "Projection Settings".

- 3 Select the desired items to be set.



- A** Select to turn Apple CarPlay connection establishment on/off when a compatible iPhone is connected to the system via USB. (→P.60)
Depending on the system, this set-

ting cannot be changed when a device is connected to the system via USB. Disconnect the device before attempting to change the setting.

- B** Select to turn Android Auto connection establishment on/off when a compatible device is connected to the system via USB. (→P.61)
Depending on the system, this setting cannot be changed when a device is connected to the system via USB. Disconnect the device before attempting to change the setting.

Deleting personal data

Registered or changed personal settings will be deleted or returned to their default conditions.

- 1 Display the general settings screen:
 - “MENU” button → “Setup”
→  “General”
- 2 Select “Delete Personal Data”.
- 3 Select “Delete”.
- 4 Select “Yes” when the confirmation screen appears.

Examples of settings that can be returned to their default conditions:

- Navigation settings*
- Audio settings
- Phone settings
- Lexus Enform App Suite 2.0 settings

etc.

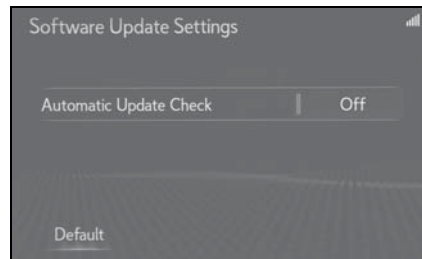
* : With navigation function

Software update settings*

* : This function is not available in some countries or areas.

When the automatic update check function is enabled, if a software update is available from the Lexus Enform center, a message will be displayed.

- 1 Display the general settings screen:
 - “MENU” button → “Setup”
→  “General”
- 2 Select “Software Update Setting”.
- 3 Select “Automatic Update Check” to enable/disable the automatic update check function.



- When software update information is displayed, contact your Lexus dealer.

2

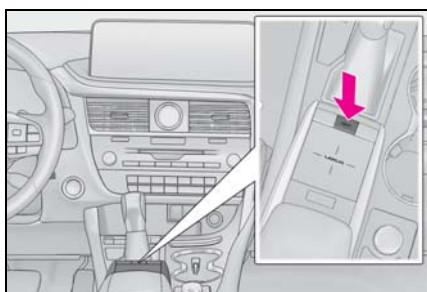
Basic function

Voice settings

Voice volume, etc. can be set.

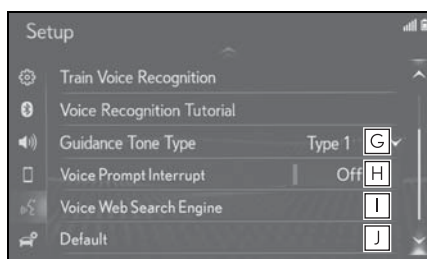
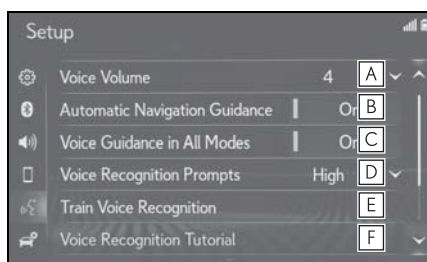
Displaying the voice settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Voice" on the sub menu.
- 4 Select the desired items to be set.

Voice settings screen



- A** Select to adjust the volume of voice guidance.^{*1}
- B** Select to set the voice guidance during route guidance on/off.^{*2}
- C** Select to set the voice guidance during audio/visual and/or air conditioning system use on/off.^{*2}
- D** Select to set the voice recognition prompts.
- E** Select to train voice recognition. The voice command system adapt the user accent.
- F** Select to start the voice recognition tutorial.
- G** Select to set the beep sound of navigation guidance.^{*2}
- H** Select to set the voice prompt interrupt on/off.
- I** Select to set the web search engine. The search engines are Lexus Enform App Suite 2.0 applications. This item is displayed when two or more POI search applications are installed.^{*2} (→P.283)
- J** Select to reset all setup items.

^{*1}: When an Apple CarPlay/Android Auto connection is established, voice command system (Siri/Google Assistant) and map application voice guidance volume can be changed.

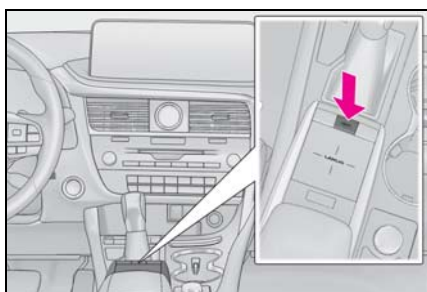
^{*2}: With navigation function

Vehicle settings

Settings are available for maintenance, vehicle customization, etc.

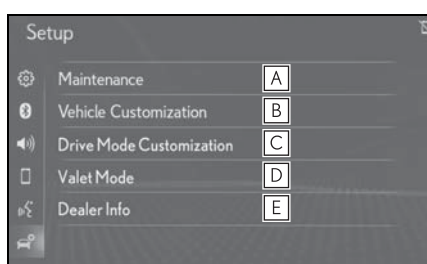
Displaying the vehicle settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select "Vehicle" on the sub menu.
- 4 Select the desired items to be set.

Vehicle settings screen



- A Select to set maintenance.^{*1} (→P.73)
- B Select to set vehicle customization.^{*2}

- C Select to set driving mode.^{*2,3}
- D Select to set valet mode. (→P.75)
- E Select to set dealer information.^{*4,5}

^{*1}: With navigation function

^{*2}: Refer to the "OWNER'S MANUAL".

^{*3}: If equipped

^{*4}: Without navigation function

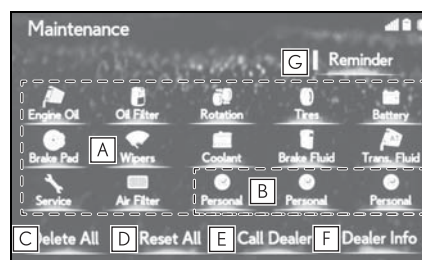
^{*5}: This function is not available in some countries or areas.

Maintenance^{*}

^{*}: With navigation function

When the system is turned on, the maintenance reminder screen displays when it is time to replace a part or certain components. (→P.28)

- 1 Display the vehicle settings screen:
 - "MENU" button → "Setup"
 - "Vehicle"
- 2 Select "Maintenance".
- 3 Select the desired item.



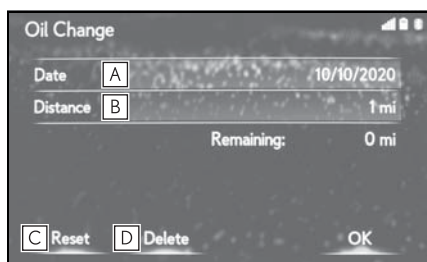
- A Select to set a reminder for a part or component. (→P.74)
- B Select to add a reminder other than the provided ones.
- C Select to cancel all reminders which have been entered.

- D** Select to reset all reminders which have expired.
- E** Select to call the registered dealer.
- F** Select to register/edit dealer information. (→P.74)
- G** The system is set to give maintenance information with the maintenance reminder screen. (→P.28)

- When the vehicle needs to be serviced, the screen button color will change to orange.

Maintenance information setting

- 1 Select the desired part or component screen button.
- 2 Set the conditions.



- A** Select to enter the next maintenance date.
- B** Select to enter the driving distance until the next maintenance check.
- C** Select to reset the conditions which have expired.
- D** Select to cancel the conditions which have been entered.
- 3 Select "OK" after entering the conditions.

- For scheduled maintenance information, refer to "Warranty and Service Guide",

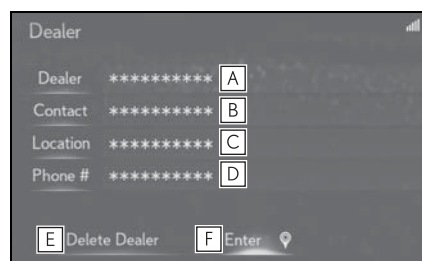
"Owner's Manual Supplement" or "Scheduled Maintenance".

- Depending on driving or road conditions, the actual date and distance that maintenance should be performed may differ from the stored date and distance in the system.

Dealer setting

Dealer information can be registered in the system. With dealer information registered, route guidance to the dealer is available.

- 1 Select "Set Dealer".
- 2 Select the desired item to search for the location. (→P.89)
- The editing dealer screen appears after setting the location.
- 3 Select the desired items to be edited.



- A** Select to enter the name of a dealer. (→P.75)
- B** Select to enter the name of a dealer member. (→P.75)
- C** Select to set the location. (→P.75)
- D** Select to enter the phone number. (→P.75)
- E** Select to delete the dealer information displayed on the screen.
- F** Select to set the displayed dealer as

a destination. (→P.96)

Editing dealer or contact name

- 1 Select "Dealer" or "Contact".
- 2 Enter the name and select "OK".

Editing the location

- 1 Select "Location".
- 2 Scroll the map to the desired point (→P.81) and select "Enter".

Editing phone number

- 1 Select "Phone #".
- 2 Enter the phone number and select "OK".

Setting the valet mode

The security system can be set to on by entering a security code (4-digit number).

When set to on, the system will become inoperative once the electrical power source is disconnected until the security code is entered.

- 1 Display the vehicle settings screen:
 - "MENU" button → "Setup"
 -  "Vehicle"
- 2 Select "Valet Mode".
- 3 Enter the 4-digit personal code and select "OK".
- 4 Enter the same 4-digit personal code again and select "OK".
- The system will request that you input the security code again to

confirm that you remember it correctly.

- When valet mode activates, the system stops and a security code (4-digit number) standby screen is displayed.

- If the 4-digit personal code is forgotten, please contact your Lexus dealer.

If the valet mode has been activated

- 1 Enter the 4-digit personal code and select "OK".

- If an incorrect security code (4-digit number) is entered 6 times, the system will not accept another security code (4-digit number) for 10 minutes.

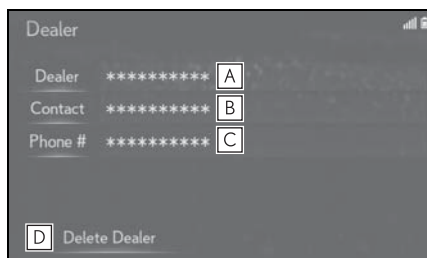
Setting dealer information *

*: Without navigation function. This function is not available in some countries or areas.

Dealer information can be registered in the system. If the vehicle alert screen is displayed, selecting the call dealer button on the screen will call the phone number registered in the dealer information.

- 1 Display the vehicle settings screen:
 - "MENU" button → "Setup"
 -  "Vehicle"
- 2 Select "Dealer Info".

- 3** Select the desired items to be edited.



The screenshot shows a mobile application screen titled "Dealer". It contains three input fields, each with a label, a masked text field (seven asterisks), and a selection box. The first field is labeled "Dealer" and has a selection box with the letter "A". The second field is labeled "Contact" and has a selection box with the letter "B". The third field is labeled "Phone #" and has a selection box with the letter "C". At the bottom left of the form, there is a button labeled "Delete Dealer" with a selection box containing the letter "D".

- A** Select to enter the name of a dealer. (→P.75)
- B** Select to enter the name of a dealer member. (→P.75)
- C** Select to enter the phone number. (→P.75)
- D** Select to delete the dealer information displayed on the screen.

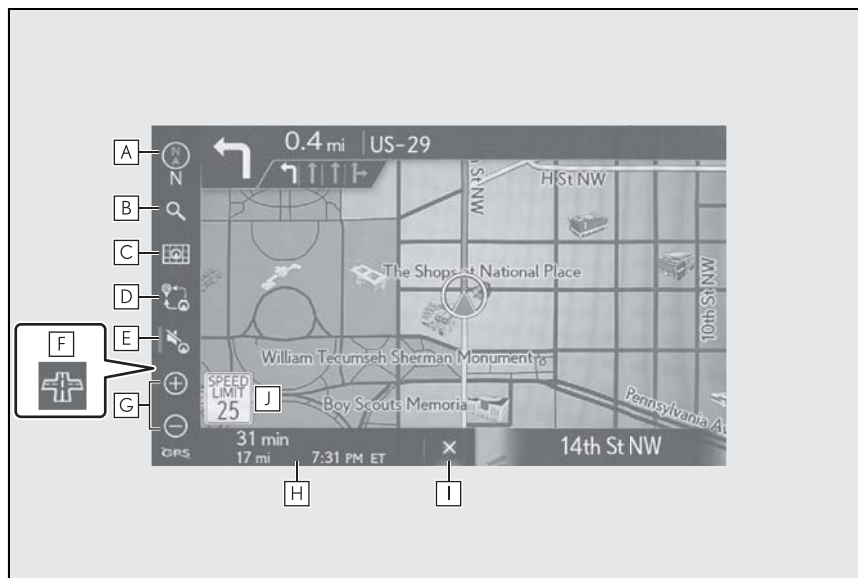
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Navigation*

* : With navigation function

The navigation system indicates your present position and assists in locating a desired destination. To display the map screen, press the "MAP" button on the Remote Touch.

Map screen overview



- A** 2D north up, 2D heading up or 3D heading up symbol (→P.81)
Indicates whether the map orientation is set to north-up or heading-up. The letter(s) under this symbol indicate the vehicle's heading direction (e.g. N for north). In 3D map, only a heading-up view is available.
- B** Destination button (→P.89)
Select to display the destination screen.
- C** Map options button (→P.83)
Select to display the map options screen.
- D** Route options button (→P.104)
Select to display the route options screen.
- E** Mute button
Select to mute the voice guidance.

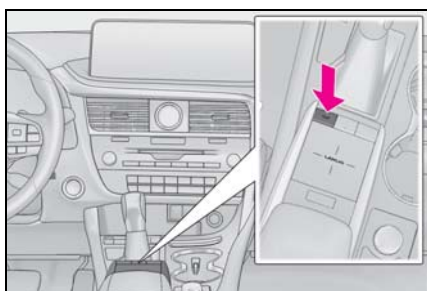
- F** Micro city map button (→P.81)
Select to display the micro city map screen.
- G** Zoom in/out button (→P.80)
Select to magnify or reduce the map scale. When either button is selected, the map scale indicator bar appears at the bottom of the screen.
- H** Route information bar (→P.100)
Displays the distance with the estimated travel time/arrival time to the destination. The route information bar fills from left to right as the vehicle progresses on the route.
- I** Delete destination button (→P.25)
Select to delete destinations.
- J** Speed limit icon (→P.83)
Indicates the speed limit on the current road. The display of the speed limit icon can be set to on/off.

- When the vehicle is not receiving GPS signals, such as when driving in a tunnel,  will be displayed at the bottom left corner of the screen.
- Certain screen buttons on the map screen will disappear several seconds after stop operating the Remote Touch. This setting can be changed so that all the screen buttons will always be displayed. (→P.111)
- Press the "MAP" button on the Remote Touch to display the address of the current position on the map screen or repeat voice guidance.

Map screen operation

Current position display

- 1 Press the "MAP" button on the Remote Touch.



- 2 Check that the current position map is displayed.
 - To correct the current position manually: →P.113
-
- While driving, the current position mark is fixed on the screen and the map moves.
 - The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.
 - After the 12-volt battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the navigation system receives signals from the GPS, the correct current position is displayed.

Map scale

- 1 Select or to change the scale of the map screen.



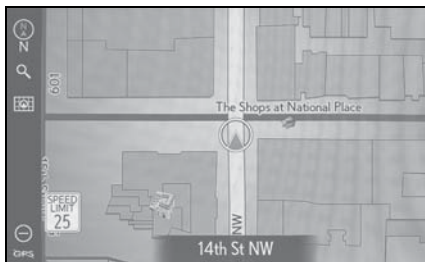
- The scale indicator bar appears at the bottom of the screen.
- Select and hold or to continue changing the scale of the map screen.
- The scale of the map screen can also be changed by selecting the scale bar directly. This function is not available while driving.
- The scale of the map screen can be changed on the touchpad of the Remote Touch with your finger. Pinch out on the touchpad to zoom in and pinch in to zoom out. (→P.31)
- In areas where a micro city map is available, will change to when the map screen is set to the smallest scale.

Micro city map

For areas covered by the micro city map (some major cities), a micro city map on a scale of 75 ft. (25 m) can be selected.

When the map is scaled down to 150 ft. (50 m),  changes to  and can be selected to display the micro city map.

- 1 Select  on the map screen.
- 2 Check that the micro city map is displayed.



- To return to the normal map display, select .
- If the map or the current position is moved to the area which is not covered by the micro city map, the screen scale automatically changes to 150 ft. (50 m).
- On the micro city map, a one way street is displayed by .
- Scrolling the micro city map is not available while driving.
- Certification

Building micro cities in the database were created and provided by HERE.

Orientation of the map

The orientation of the map can be changed between 2D north-up, 2D heading-up and 3D heading-up by selecting the orientation symbol displayed at the top left of the screen.

 : North-up symbol

Regardless of the direction of vehicle travel, north is always up.

 : Heading-up symbol

The direction of vehicle travel is always up.

 : 3D Heading-up symbol

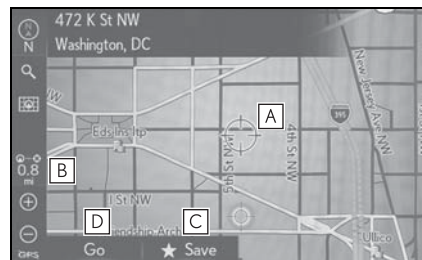
The direction of vehicle travel is always up.

- The letter(s) under this symbol indicate the vehicle's heading direction (e.g. N for north).

Map scroll operation

The map can be scrolled to view locations that are different than your current position.

- 1 Select the desired point on the map screen.
- Move the desired point on the center of the map screen.



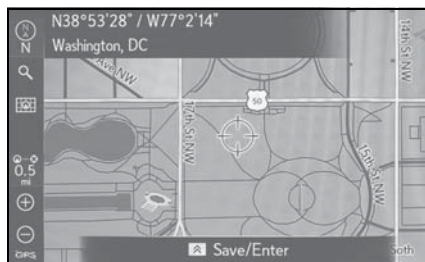
A Cursor mark

- B** Distance from the current position to the cursor mark
- C** Select to register as a memory point. To change the icon, name, etc.: →P.107
- D** Select to set as a destination. (→P.96)
- Press the “MAP” button on the Remote Touch to return to the current position.

Flick scroll operation

The map screen can be moved to drag or flick the touchpad on the Remote Touch. To activate drag/flick operation, “Map Flick” is required to be “On”. (→P.111)

- 1 Select the desired point on the map screen.
- 2 Use flick or drag operations on the touchpad to scroll the map.



- The following buttons can be displayed.

“Save”: Select to register as a memory point. To change the icon, name, etc.: →P.107

“Enter”: Select to set as a destination.

“Go”: Select to delete the existing destination(s) and set a new one.

“Add to Route”: Select to add a destination.

- Press the touchpad again, the switches on the display can be selected.

Displaying the point searched for

When the list screen is displayed (such as when searching for destinations, etc.), the point currently being selected on the list screen is displayed on the side display.



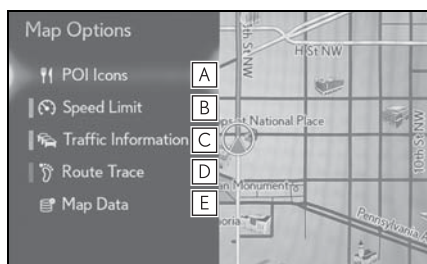
- A** Select the map to switch it between displaying only the area around the destination and the area from the current location to the destination.

Map screen information

Information such as POI icons, route trace, speed limit, etc. can be displayed on the map screen.

Displaying the map options screen

- 1 Select  on the map screen.
- 2 Select the desired items to be displayed.



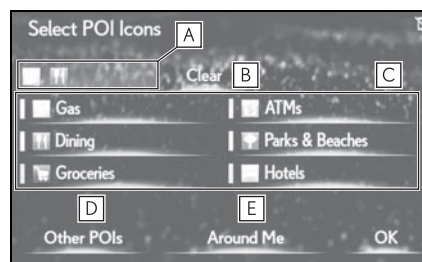
- A** Select to select or change POI icons. (→P.83)
- B** Select to display speed limit icon. ^{*1}
- C** Select to display traffic information. ^{*2} (→P.87)
- D** Select to display route trace. (→P.84)
- E** Select to display the map version and coverage area. (→P.121)

^{*1}: If RSA is equipped, the Speed limit icon is not displayed.

^{*2}: This function is not available in some countries or areas.

Selecting the POI icons

- 1 Select  on the map screen.
- 2 Select "POI Icons".
- 3 Select the desired POI category and select "OK".



- A** Displays up to 5 selected POI icons on the map screen.
- B** Select to cancel the selected POI icons.
- C** Displays up to 6 POI icons as favorite POI categories. (→P.112) If a POI category is selected to be displayed on the map, its icon will be displayed above.
- D** Select to display other POI categories if the desired POIs cannot be found on the screen.
- E** Select to search for the nearest POIs. (→P.84)

3

Navigation system

Selecting other POI icons to be displayed

- 1 Select "Other POIs".
- 2 Select the desired POI categories and select "OK".

"List All Categories": Select to display all POI categories.

Displaying the local POI list

POIs that are within 20 miles (32 km) of the current position will be listed from among the selected categories.

- 1 Select "Around Me".
- 2 Select the desired POI.
- Press the  button on the Remote Touch. The following buttons can be displayed.

"Near Here": Select to search for POIs near the current position.

"Along My Route": Select to search for POIs along the route.

- 3 Check that the selected POI is displayed on the map screen.

Route trace

The traveled route can be stored and retraced on the map screen. This feature is available when the map scale is 30 miles (50 km) or less.

Start recording the route trace

- 1 Select  on the map screen.
- 2 Select "Route Trace".
- The route trace starts.
- 3 Check that the traveled line is displayed.



Stop recording the route trace

- 1 Select  on the map screen.
- 2 Select "Route Trace" again.
- 3 A confirmation screen will be displayed.

"Yes": Select to keep the recorded route trace.

"No": Select to erase the recorded route trace.

- The traveled route can be stored up to approximately 621 miles (1000 km).

Switching the map mode on the side display

The map mode on the side display can be changed.

- 1 Select  or  to change the map mode.



"Map": Display the single map screen.

"Compass": Display the compass mode screen. (→P.85)

"Freeway Exit List": Display the freeway exit list screen. (→P.101)

"Turn List": Display the turn list screen. (→P.103)

"Turn-by-Turn Arrow": Display the turn-by-turn arrow screen. (→P.103)

- Depending on the conditions, certain screen configuration buttons cannot be selected.

Compass

Information about the destination, current position and a compass are displayed on the screen.

- The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates, and the compass, to make sure that the vehicle is headed in the direction of the destination.
- When the vehicle travels out of the coverage area, the guidance screen changes to the whole compass mode screen.

Displaying information about the icon where the cursor is set

When the cursor is placed over an icon on the map screen, the name of icon is displayed. If  appears on the left of the name, detailed information can be displayed.

- 1 Place the cursor over an icon.
- 2 Press the  button on the Remote Touch.



- 3 Select "Info".
- 4 Check that the information screen is displayed.
"Save": Select to register as a memory point. To change the icon, name, etc.: →P.107

“Go” / “Enter”: Select to set as a destination.



:Select to call the registered number.

“Delete”: Select to delete destination or memory point.

“Edit”: Select to display the edit memory point screen.

Icon	Name
	Shopping
	Golf course

- Even when traffic information is not currently being received, traffic information and “Info” will be displayed for a while after traffic information has been received.
- In some situations, calls to a POI may automatically change to an international call or may not be possible as a domestic call.

Standard map icons

Icon	Name
	Park/Recreation
	Business facility
	Airport
	Military
	University
	Hospital
	Stadium

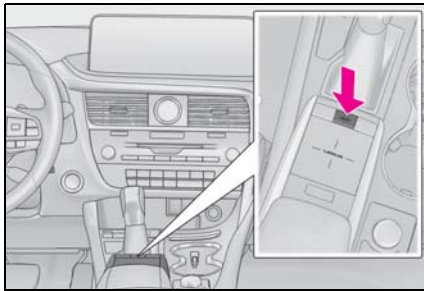
Traffic information*

*: This function is not available in some countries or areas.

Traffic data can be received via HD Radio™ broadcast or via DCM (Data Communication Module) to display traffic information on the map screen.

Displaying the traffic screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Info".
- 3 Select  "Traffic Incidents" on the sub menu.
- 4 Select the desired item.

"Traffic Events on Current Road": Select to display traffic information for the current road. (→P.87)

"Traffic Events on Current Route": Select to display traffic information for the set route. (→P.87)

"Traffic Events Nearby": Select to display nearby traffic information. (→P.87)

"Predictive Traffic Map": Select to display a map with predictive traffic data. (→P.88)

"My Traffic Routes": Select to display traffic along the saved routes. (→P.88)

- If a large amount of information is being

received, it may take longer than normal for the information to be displayed on the screen.

- If traffic information cannot be received because the vehicle is outside of HD Radio coverage area, it may still be able to be received using DCM. (→P.194)

Displaying traffic information

A list of current traffic information can be displayed along with information on the location of each incident.

- 1 Display the traffic incidents screen:

- "MENU" button → "Info" →  "Traffic Incidents"

- 2 Select "Traffic Events on Current Road", "Traffic Events on Current Route" or "Traffic Events Nearby".

- 3 Select the desired traffic information.

- ▶ When "Traffic Events Nearby" is selected, depending on whether the traffic flow information is enabled/disabled, the following will be displayed:

When enabled: Traffic event and congestion information

When disabled: Traffic event information only

- 4 Check that the traffic information is displayed.

"Detail": Select to display detailed traffic information.

Displaying predictive traffic information

A map with predictive traffic data can be displayed.

1 Display the traffic incidents screen:

- “MENU” button → “Info” →  “Traffic Incidents”

2 Select “Predictive Traffic Map”.

3 Scroll the map to the desired point (→P.81) and set the time of predictive traffic information.

- The time of the predictive traffic information can be changed in 15-minute intervals up to +45 minutes.

“+”: Moves the time forward 15 minutes.

“-”: Moves the time back 15 minutes.

My traffic routes

Traffic information along the saved routes can be displayed. To use this function, it is necessary to register a route. (→P.115)

1 Display the traffic incidents screen:

- “MENU” button → “Info” →  “Traffic Incidents”

2 Select “My Traffic Routes”.

- If map data has been updated, a confirmation screen will be displayed. Select “OK” or “Do Not Tell Me Again”.

3 Select the desired route.

“Options”: Select to add, edit or delete personal traffic routes. (→P.115)

- If routes have not been registered

yet, a confirmation screen will be displayed. Select “Yes” to register the route.

4 Select the desired traffic information.

5 Check that the traffic information is displayed.

“Detail”: Select to display detailed traffic information.

Displaying traffic information on the map

1 Select  on the map screen.

2 Select “Traffic Information”.

3 Check that the traffic information is displayed.

- The icons indicate traffic incidents such as construction, accidents, etc. Select an icon to hear more detail by voice.

- The arrows indicate the flow of traffic. The color changes depending on the speed.

Destination search operation

Destination search screen

The destination screen enables to search for a destination. The destination screen can be reached by the following methods:

■ From the map screen

- 1 Press the "MAP" button on the Remote Touch.
- 2 Select .
- 3 Follow the steps in "From the menu screen" from step 3. (→P.89)

■ From the menu screen

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Destination".
- 3 Select the desired search method.



- A** Select to set a destination by home. (→P.90)

- B** Select to search for a destination by entering keywords. (→P.90)
- C** Select to search for a destination via the Lexus response center.* (→P.297)
- D** Select to search for a destination from a registered entry in "Favorites". (→P.91)
- E** Select to search for a destination from recent set destinations. (→P.91)
- F** Select to search for a destination from emergency service points. (→P.92)
- G** Select to search for a destination by address. (→P.92)
- H** Select to search for a destination by point of interest. (→P.93)
- I** Select to search for a destination from contact data which had been transferred to the navigation system from a registered Bluetooth® phone. (→P.92)

* : This function is not available in some countries or areas.

Selecting search area

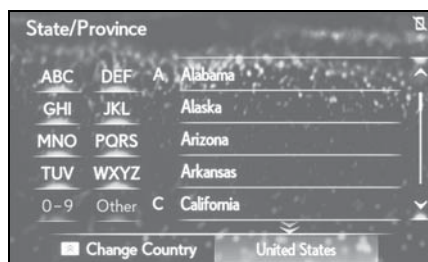
The selected state (province) can be changed to set a destination from a different state (province) by using "Address" or "Point of Interest".

■ From the map screen

- 1 Press the "MAP" button on the Remote Touch.
- 2 Select .
- 3 Follow the steps in "From the menu screen" from step 3. (→P.90)

■ From the menu screen

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Destination".
- 3 Select "Address" or "Point of Interest".
- 4 Select "Change State/Province".
- 5 Select the desired state (province).



- To change countries, press the  button on the Remote Touch.

Setting home as destination

To use this function, it is necessary to register a home address. (→P.107)

- 1 Display the destination search screen by either operation:
 - "MAP" button → 
 - "MENU" button → "Destination"
- 2 Select "Home".
- The navigation system performs a search for the route and the route overview is displayed. (→P.97)

Searching by keyword

The destination can be searched by entering various keywords.

- 1 Display the destination search screen by either operation:
 - "MAP" button → 
 - "MENU" button → "Destination"
- 2 Select "Search".
- 3 Enter characters on the keyboard.
 - When entering characters, if a list of predicted destinations is displayed on the side display, a destination can be selected from the list.
- 4 Select "Search".
- 5 Select the desired item from the list.

: Select to display updated information about the selected entry.

- To search for a facility name using multiple search words, put a space between each word.
- Search results may differ depending on the Lexus Enform subscription status and

communication status.

Searching by favorites list

To use this function, it is necessary to register an favorites list entry. (→P.107)

- 1 Display the destination search screen by either operation:

- "MAP" button → 
- "MENU" button → "Destination"

- 2 Select "Favorites".

- 3 Select the desired favorites list entry.

Searching by Destination Assist*

* : This function is not available in some countries or areas.

A Destination Assist operator can search for a destination. You can request a specific business, address, or ask for help locating your desired destination. (→P.297)

- 1 Display the destination search screen by either operation:

- "MAP" button → 
- "MENU" button → "Destination"

- 2 Select "Dest Assist".

Searching by recent destinations

- 1 Display the destination search screen by either operation:

- "MAP" button → 
- "MENU" button → "Destination"

- 2 Select "Recent".

- 3 Select the desired destination.

- Press the  button on the Remote Touch. The following button can be displayed.

"Delete Recent Destinations": Select to delete the recent destination. (→P.91)

- Up to 100 previously set destinations are displayed on the screen.

Deleting recent destinations

- 1 Select "Delete Recent Destinations".

- 2 Select the desired recent destination(s) to be deleted.

- Press the  button on the Remote Touch. The following button can be displayed.

"Delete All Recent Destinations": Select to delete all destinations on the list.

- 3 Select "Yes" when the confirmation screen appears.

Searching by emergency

- 1 Display the destination search screen by either operation:
 - "MAP" button → 
 - "MENU" button → "Destination"
- 2 Select "Emergency".
- 3 Select the desired emergency category.
- 4 Select the desired destination.

- The navigation system does not guide in areas where route guidance is unavailable. (→P.119)

Searching by contact

To use this function, it is necessary to have contact data which had been transferred to the navigation system from a registered Bluetooth[®] phone. (→P.256)

- 1 Display the destination search screen by either operation:
 - "MAP" button → 
 - "MENU" button → "Destination"
- 2 Select "Contacts".
- 3 Select the desired contact.
- 4 Select "Addresses".
- 5 Select the desired address.
- 6 Follow the steps in "Searching by keyword" from step 4. (→P.90)

- This function may not be available depending on the type of Bluetooth[®] phone.

Searching by address

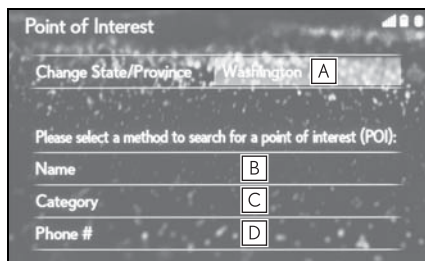
- 1 Display the destination search screen by either operation:
 - "MAP" button → 
 - "MENU" button → "Destination"
- 2 Select "Address".
- If a state (province) has not been selected yet, "State/Province" screen is displayed. (→P.90)
- 3 Enter a house number and select "Search".
- "Change State/Province": Select to change the search area. (→P.90)
- 4 Enter a street name and select "Search".
- 5 Select the desired street name.
- 6 Enter a city name and select "Search".
- 7 Select the desired city name.
- If multiple locations with the same address exist, the address list screen will be displayed. Select the desired address.

- A street name can be searched using only the body part of its name.
For example: S WESTERN AVE
- A search can be performed by entering "S WESTERN AVE", "WESTERN AVE" or "WESTERN".

Searching by point of interest

There are 3 methods to search for a destination by Points of Interest.

- 1 Display the destination search screen by either operation:
 - “MAP” button → 
 - “MENU” button → “Destination”
- 2 Select “Point of Interest”.
- 3 Select the desired search method.



- A** Select to change the search area. (→P.90)
 - B** Select to search by name. (→P.93)
 - C** Select to search by category. (→P.94)
 - D** Select to search by phone number. (→P.95)
- When selecting some search methods, if a state (province) has not been selected yet, “State/Province” screen is displayed. (→P.90)

Searching by name

- 1 Select “Name”.
- 2 Enter a POI name and select “Search”.
- 3 Select the desired POI.



- Press the  button on the Remote Touch. The following buttons can be displayed.

“Change POI category”: Select to search for POI from the category list. (→P.94)

“Enter a city name”: Select to search for POI in the desired city. (→P.94)

- When entering the name of a specific POI, and there are 2 or more sites with the same name, the list screen will be displayed. Select the desired POI.
-
- To search for a facility name using multiple search words, put a space between each word.

Selecting a city to search

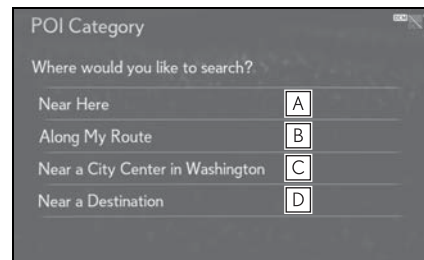
- 1 Press the  button on the Remote Touch.
 - 2 Select "Enter a city name".
 - 3 Enter a city name and select "Search".
- "Any City": Select to cancel the city setting.
- 4 Select the desired city name.
 - 5 Select the desired POI.

Selecting from the categories

- 1 Press the  button on the Remote Touch.
 - 2 Select "Change POI category".
 - 3 Select the desired category.
- If there is more than 1 result for the selected category, a detailed list will be displayed.
- "List All Categories": Select to display all POI categories.
- 4 Select the desired POI.

Searching by category

- 1 Select "Category".
- 2 Select the desired search point.



- A** Select to search for POIs near your current position.
 - B** Select to search for POIs along the set route.
 - C** Select to search for POIs near a specific city center. (→P.95)
 - D** Select to search for POIs near a destination. When more than 1 destination has been set, a list will be displayed on the screen. Select the desired destination.
- 3 Select the desired POI category.
- Select "Other POIs" to select other than default POI categories. The following button can be displayed.

"List All Categories": Select to display all POI categories.

"Favorite POI Categories": Select to use the 6 POIs that have been previously set. (→P.112)

- 4 Select the desired POI.

- The names of POIs located within approximately 200 miles (320 km) from the selected search point can be displayed. They are displayed up to 200 names.

When "Near a City Center in XX*" is selected

1 Select "Near a City Center in XX*".

2 Enter a city name and select "Search".

"Last 5 Cities": Select the desired city name from the list of the last 5 cities.

3 Select the desired city name.

4 Select "OK" when the city center map screen is displayed.

5 Follow the steps in "Searching by category" from step **3**. (→P.94)

*: XX represents the selected search area name.

● If the navigation system has never been used, selecting the city name from "Last 5 Cities" will not be available.

Searching by phone number

1 Select "Phone #".

2 Enter a phone number and select "OK".

● If multiple locations with the same phone number exist, the list screen will be displayed.

● If there is no match for the entered phone number, a list of identical numbers with different area codes will be displayed.

One-touch setting home/favorite as a destination

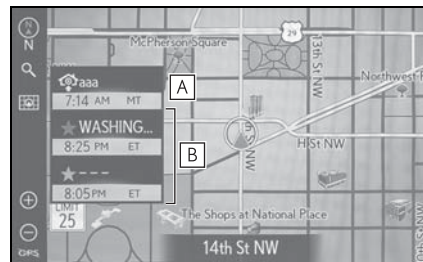
To use this function, it is necessary to register a home and/or a favorite location. Up to 2 favorites can be registered as preset destinations. (→P.107, 107)

To set the home or a preset destination as the destination, select the corresponding button.

1 Turn the engine switch <power switch> to ACCESSORY or IGNITION ON mode <ON mode>.

2 Press the "MAP" button on the Remote Touch.

3 Select the desired item.



A Select to set the registered home as the destination.

B Select to set a registered favorite as the destination. (Up to 2 favorites can be registered as preset destinations.)

● The estimated time of arrival to the registered home and preset destinations from the current position will be displayed.

● If the home or a preset destination has not been registered, "Save Home" or "Save Favorite" will be

displayed, respectively. To register a home or preset destination, select the corresponding button.

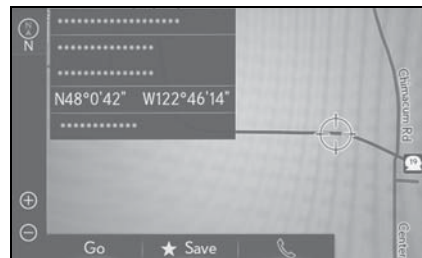
- When the destination is very close to the current position, "Nearby" will be displayed.
- The one-touch buttons for home and favorites will disappear after the vehicle has been driven for a while.
- The color of the estimated arrival time indicator may change depending on the traffic information received.
- This function is available when "Automatic Destination List Info" is set to on. (→P.111)

Starting route guidance

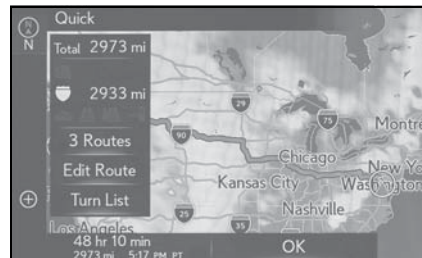
When the destination is set, the entire route map from the current position to the destination is displayed.

Starting route guidance

- 1 Select "Go" on the confirm destination screen.



- For details about this screen: →P.97
- 2 Select "OK" on the route overview screen.



- For details about this screen: →P.97

- The route for returning may not be the same as that for going.
- The route guidance to the destination may not be the shortest route or a route without traffic congestion.
- Route guidance may not be available if there is no road data for the specified location.
- When setting the destination on a map

with a scale more than 0.5 mile (800 m), the map scale changes to 0.5 mile (800 m) automatically. If this occurs, set the destination again.

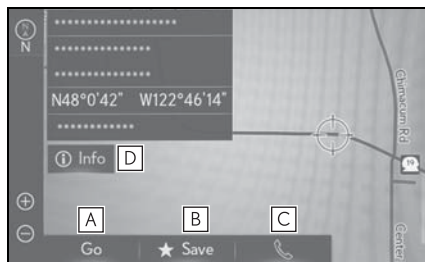
- If a destination that is not located on a road is set, the vehicle will be guided to the point on a road nearest to the destination. The road nearest to the selected point is set as the destination.



WARNING

- Be sure to obey traffic regulations and keep road conditions in mind while driving. If a traffic sign on the road has been changed, the route guidance may not indicate such changed information.

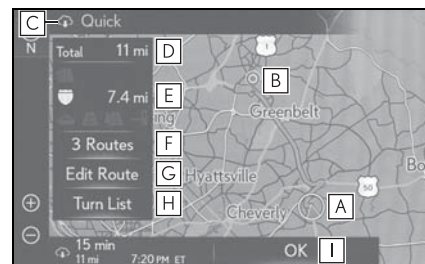
Confirm destination screen



- A** Select to search for the route. (→P.96)
- If a destination has already been set, “Go Directly” and “Add to Route” will be displayed.
- “Go Directly”: Select to delete the existing destination(s) and set a new one.
- “Add to Route”: Select to add a destination to the current route.
- B** Select to register as a memory point.
- C** Select to call the registered number.
- D** Select to update information about the selected entry.*

*: This function is displayed only when there is information from the Lexus Enform center. (→P.90)

Route overview screen



- A** Current position
- B** Destination point
- C** Displayed when the route displayed is from the Lexus Enform center. (→P.99)
- D** Distance of the entire route
- E** Type of route and its distance
- F** Select the desired route from 3 possible routes. (→P.98)
- G** Select to change the route. (→P.99)
- H** Select to display a list of the turns required to reach the destination. (→P.98)
- I** Select to start guidance. Select and hold to start demo mode. (→P.98)

3

Navigation system

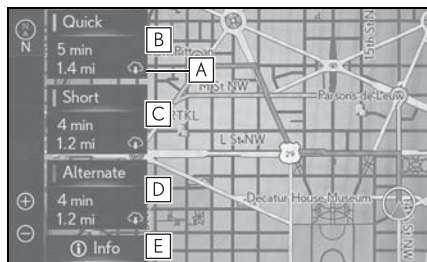
Starting demo mode

Before starting the route guidance, the demonstration of the route guidance can be viewed.

- 1 Select and hold "OK" on the route overview screen until a beep sounds.
- Press the "MAP" button on the Remote Touch to end demo mode.

3 routes selection

- 1 Select "3 Routes".
- 2 Select the desired route.



- A** Displayed when the route displayed is available from the Lexus Enform center. (→P.98)
- B** Select to display the quickest route.
- C** Select to display the route that is the shortest distance to the set destination.
- D** Select to display the alternative route.
- E** Select to display the information about the 3 routes. (→P.98)

Displaying 3 routes information

- 1 Select "Info".
- 2 Check that the 3 routes information screen is displayed.

	Quick	Short	Alternate
A	37 hr 13 min	37 hr 48 min	40 hr 48 min
B	2317 mi	2291 mi	2537 mi
C	0.0 mi	0.0 mi	0.0 mi
D	2311 mi	2091 mi	2535 mi
E	0.0 mi	0.0 mi	0.0 mi

- A** Time necessary for the entire trip
- B** Distance of the entire trip
- C** Distance of the toll road
- D** Distance of the freeway
- E** Distance of the ferry trip

Displaying turn list

A list of turn information from the current position to the destination can be displayed.

- 1 Select "Turn List".
- 2 Check that the turn list is displayed.

↗	A	14th St NW	0.8 mi	B
↘		US-29 S	1.3 mi	
↖		US-29	0.2 mi	
↙		14th St NW		C
				Map

- A** Turn direction at the intersection
- B** Distance to the next turn
- C** Current position

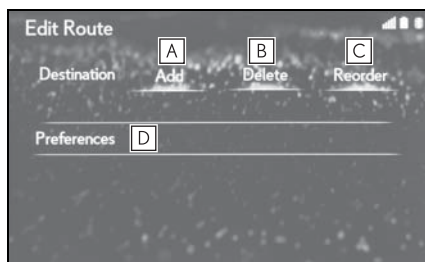
- D** Select to display the map of the selected point.

- Not all road names on the route may appear on the list. If a road changes its name without requiring a turn (such as on a street that runs through 2 or more cities), the name change will not appear on the list. The street names will be displayed in order from the starting point, along with the distance to the next turn.

Editing route

Destinations can be added, reordered or deleted, and conditions for the route to the destination can be changed.

- 1 Select "Edit Route".
- 2 Select the desired item.



- A** Select to add destinations. (→P.99)
- B** Select to delete destinations. (→P.99)
- C** Select to reorder destinations. (→P.104)
- D** Select to set route preferences. (→P.104)

Adding destinations

- 1 Select "Add".
- 2 Search for an additional destination in the same way as a destination search. (→P.89)
- Up to 5 destinations can be set.
- 3 Select "Add" at the position in the route which you want to add the destination.

Deleting destinations

- 1 Select "Delete".
- 2 Select "Yes" when the confirmation screen appears.
- If more than 1 destination has been set, select the destination(s) to be deleted. (The navigation system will recalculate route(s) to the remaining set destination(s).)
- Press the  button on the Remote Touch. The following button can be displayed.

"Delete All": Select to delete all destinations on the list.

A route from the Lexus Enform center*

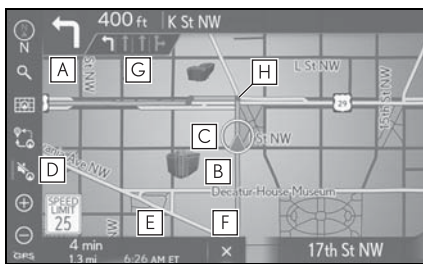
* : This function is not available in some countries or areas.

When starting route guidance or rerouting, a route can be provided automatically by the Lexus Enform center. This function is available when dynamic route setting is enabled. (→P.111)

Route guidance screen

During the route guidance, various types of guidance screens can be displayed depending on conditions.

Screen for route guidance



- A** Distance to the next turn and an arrow indicating the turning direction
- B** Guidance route
- C** Current position
- D** Select to mute the voice guidance.
- E** Route information
- F** Select to delete destinations. (→P.25)
- G** Displays the lane recommendation. (→P.101)
- H** Guidance point

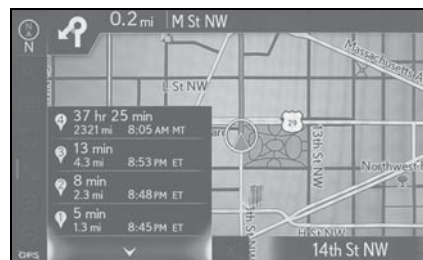
- If the vehicle goes off the guidance route, the route will be recalculated.
- For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select a road that should not be traveled on.
- When arriving at the set destination, the destination name will be displayed on the upper part of the screen.

- When the automatic zoom function is enabled, the map will automatically change to a detailed map as the vehicle approaches a guidance point. (→P.111)
- Vehicle with head-up display: When the head-up display is set to on, turn-by-turn guidance arrows will be displayed on the windshield.

Distance and time to destination

When the vehicle is on the guidance route, the route information bar displays the distance with the estimated travel/arrival time to the destination.

- ▶ When the set destinations are more than 1
 - 1 Select the route information bar.
 - 2 Check that the list of the distance and time is displayed.



- By selecting one of the number buttons, the desired route information is displayed.
- When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time are calculated based on the average speed of the specified speed limits and current traffic information.
- When the vehicle gets off the guidance route, the arrow facing the destination is displayed instead of the estimated travel/arrival time.
- The route information bar fills from left to right as the vehicle progresses along the

route.

Lane recommendation

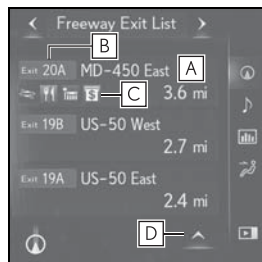
When approaching a turning point, the lane recommendation will automatically be displayed on the map.



During freeway driving

During freeway driving, the freeway information screen can be displayed on the side display.

- 1 Select **<** or **>** to display the "Freeway Exit List" screen on the side display.

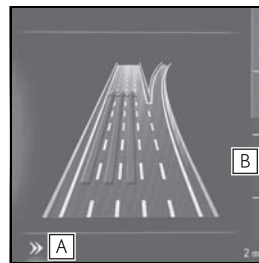


- A** Distance from the current position to the freeway exit/rest area
- B** Name of the freeway exit/rest area
- C** POIs that are close to a freeway exit
- D** Select to display farther freeway exits/rest areas.

- This function is available when "Automatic Freeway Exit List" is set to on. (→P.111)

When approaching freeway exit or junction

When the vehicle approaches an exit or junction, the freeway guidance screen will be displayed on the side display.



- A** Select to hide the freeway guidance screen.
 - To return to the freeway guidance screen, press the "MAP" button on the Remote Touch.
- B** Remaining distance bar to the guidance point

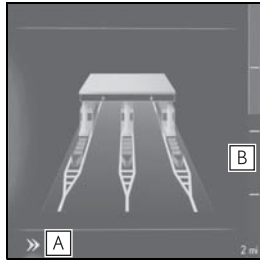
- This function is available when "Intersection Zoom Map" is set to on. (→P.111)

3

Navigation system

When approaching tollgate

When the vehicle approaches a tollgate, the tollgate view will be displayed on the side display.



A Select to hide the tollgate guidance screen.

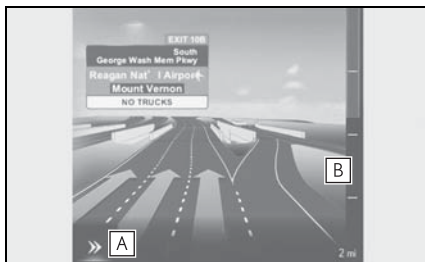
- To return to the tollgate guidance screen, press the "MAP" button on the Remote Touch.

B Remaining distance bar to the guidance point

- This function is available when "Intersection Zoom Map" is set to on. (→P.111)

When approaching junction

When the vehicle approaches a junction, the junction view with signage will be displayed on the side display.



A Select to hide the real freeway junction view.

- To return to the real freeway junction view, press the "MAP" button on the

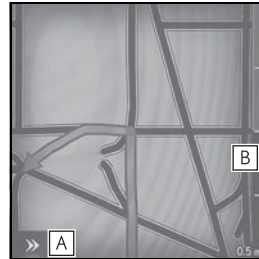
Remote Touch.

B Remaining distance bar to the guidance point

- This function is available when "Intersection Zoom Map" is set to on. (→P.111)

When approaching intersection

When the vehicle approaches an intersection, the intersection guidance screen will be displayed on the side display.



A Select to hide the intersection guidance screen.

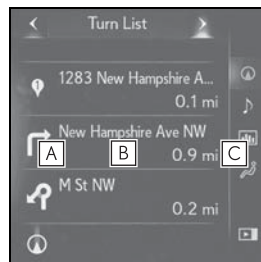
- To return to the intersection guidance screen, press the "MAP" button on the Remote Touch.

B Remaining distance bar to the guidance point

- This function is available when "Intersection Zoom Map" is set to on. (→P.111)

Turn list screen

- 1 Select  or  to display the "Turn List" screen on the side display.

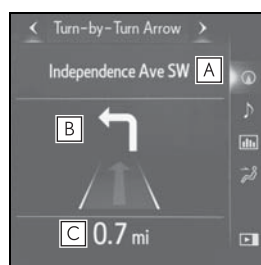


- A** Turn direction
- B** Next street or destination name
- C** Distance between turns

Turn-by-turn arrow screen

On this screen, information about the next turn on the guidance route can be displayed on the side display.

- 1 Select  or  to display the "Turn-by-Turn Arrow" screen on the side display.



- A** Exit number or street name
- B** Turn direction
- C** Distance to the next turn

Typical voice guidance prompts

As the vehicle approaches an intersection, or point, where maneuvering the vehicle is necessary, the navigation system's voice guidance will provide various messages.

- If a voice guidance command cannot be heard, press the "MAP" button on the Remote Touch.
- To adjust the voice guidance volume: →P.72
- To mute the voice guidance: →P.100
- Voice guidance may be made early or late.
- If the navigation system cannot determine the current position correctly, you may not hear voice guidance or may not see the magnified intersection on the screen.

! WARNING

- Be sure to obey the traffic regulations and keep the road condition in mind especially when you are driving on IPD roads (roads that are not completely digitized in our database). The route guidance may not have the updated information such as the direction of a one way street.

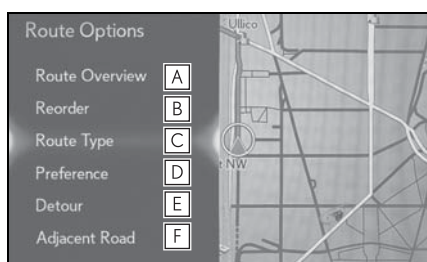
3

Navigation system

Editing route

Displaying the edit route screen

- 1 Select  on the map screen.
- 2 Select the desired item to be set.



- A Select to display the overview of the entire route. (→P.97)
 - B Select to reorder destinations. (→P.104)
 - C Select to change route type. (→P.104)
 - D Select to set route preferences. (→P.104)
 - E Select to set detours. (→P.105)
 - F Select to start from adjacent road. (→P.105)
- 3 Check that the route overview is displayed. (→P.97)

Reordering destinations

When more than 1 destination has been set, the arrival order of the destinations can be changed.

- 1 Select  on the map screen.
- 2 Select "Reorder".
- 3 Select the desired destination and select "Move Up" or "Move Down" to change the arrival order. Then select "OK".

Selecting route type

- 1 Select  on the map screen.
- 2 Select "Route Type".
- 3 Select the desired route type.
 - The entire route from the starting point to the destination is displayed. (→P.97)
 - During driving, the route guidance starts after selecting the desired route type.

Setting route preferences

The conditions to determine the route can be selected from various choices such as freeways, toll roads, ferries, etc.

- 1 Select  on the map screen.
- 2 Select "Preference".
- 3 Select the desired route preferences and select "OK".

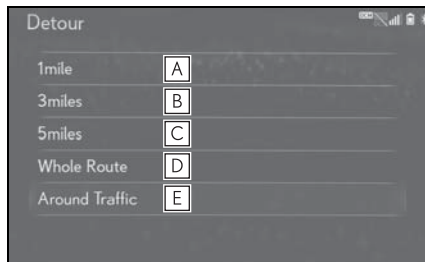
- Even if the "Avoid Freeways" route preference is turned off, the route may not be able to avoid freeways in some cases.
- If the calculated route includes a trip by

ferry, the route guidance shows a sea route. After traveling by ferry, the current position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

Detour setting

During the route guidance, the route can be changed to detour around a section of the route where a delay is caused by road repairs, an accident, etc.

- 1 Select  on the map screen.
- 2 Select "Detour".
- 3 Select the desired detour distance.



- A** Select to detour within 1 mile of the current position.
- B** Select to detour within 3 miles of the current position.
- C** Select to detour within 5 miles of the current position.
- D** Select to detour on the entire route.
- E** Select to make the navigation system search for the route based on traffic congestion information received from traffic information. * (→P.87)

* : This function is not available in some countries or areas.

- This picture shows an example of how the navigation system would guide around a delay caused by a traffic jam.



- A** This position indicates the location of a traffic jam caused by road repairs, an accident, etc.

- B** This route indicates the detour suggested by the navigation system.

- When the vehicle is on a freeway, the detour distance selections are 5, 15 and 25 miles (or 5, 15 and 25 km if units are in km).

- The navigation system may not be able to calculate a detour route depending on the selected distance and surrounding road conditions.

Adjacent road

When a freeway and a surface road run in parallel, the navigation system may show the guidance route going on the freeway while driving on the surface road, or vice versa.

If this happens, you can instantly choose the adjacent road for the route guidance.

- 1 Select  on the map screen.
- 2 Select "Adjacent Road".

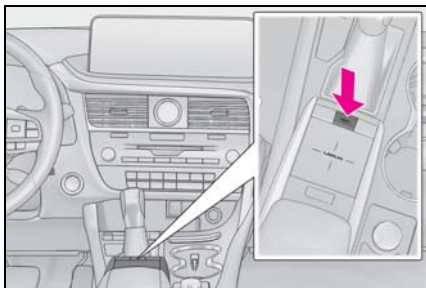
- When there is no adjacent road, this screen button will not be displayed.

Navigation settings

Home, favorites list entries, areas to avoid can be set as memory points. The registered points can be used as the destinations. (→P.89) Registered areas to avoid, will be avoided when the navigation system searches for a route.

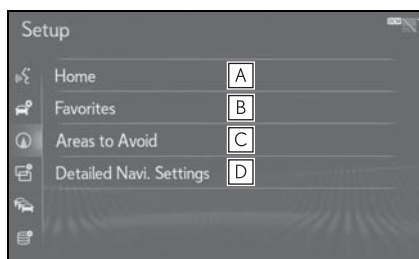
Displaying navigation settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Navigation" on the sub menu.
- 4 Select the desired item to be set.

Navigation settings screen



- A** Select to set home. (→P.107)
- B** Select to set the favorites list. (→P.107)
- C** Select to set areas to avoid. (→P.109)
- D** Select to set detailed navigation settings. (→P.111)

● When "Useful Navi. Information Settings" is displayed on the screen: →P.118

Setting up home

If home has been registered, that information can be recalled by selecting "Home" on the destination screen. (→P.89)

Registering home

To use this function, it is necessary to register a home address first.

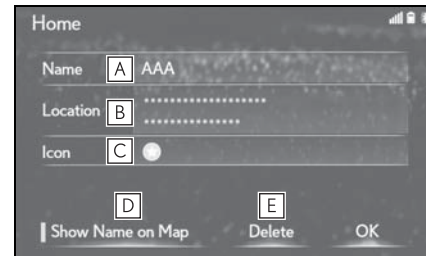
- 1 Display the navigation settings screen:
 - "MENU" button → "Setup" → 
- 2 Select "Home".
- 3 Select "Address" (→P.92) or "Current Location" to search for your home.
- 4 Select "OK" when the editing home screen appears.

Editing home

If home has been registered, editing home screen appears.

- 1 Display the navigation settings screen:
 - "MENU" button → "Setup" → 
- 2 Select "Home".

- 3 Select the desired item to be edited.



- A** Select to edit the home name.
 - B** Select to edit location information.
 - C** Select to change the icon to be displayed on the map screen. (→P.109)
 - D** Select to set display of the home name on/off.
 - E** Select to delete home.
- 4 Select "OK".

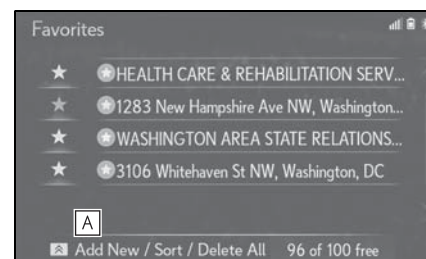
3

Navigation system

Setting up favorites list

Points on the map can be registered.

- 1 Display the navigation settings screen:
 - "MENU" button → "Setup" → 
- 2 Select "Favorites".
- 3 Select the desired item.



- A** Press the  button on the Remote Touch to edit the favorites list.
 “Add New”: Select to register favorites list entries. (→P.108)
 “Delete All”: Select to delete all favorite list entries.

Registering favorites list entries

- 1** Press the  button on the Remote Touch, and then select “Add New”.
- 2** Select the desired item to search for the location. (→P.89)
- 3** Select “OK” when the editing favorites list screen appears. (→P.108)

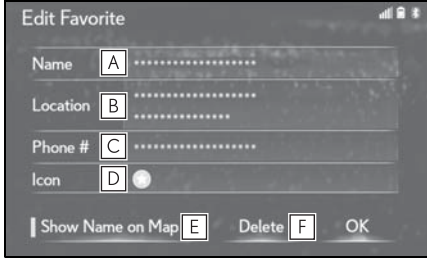
- Up to 100 favorites list entries can be registered.

Editing favorites list entries

The icon, name, location and/or phone number of a registered favorites list entry can be edited.

- 1** Select the desired favorites list entry.
- Each time a star icon is selected, its color will change. Colored star icons indicate that the favorite is registered to the corresponding preset destination button. Up to 2 entries can be registered as quick favorite destinations. (→P.95)

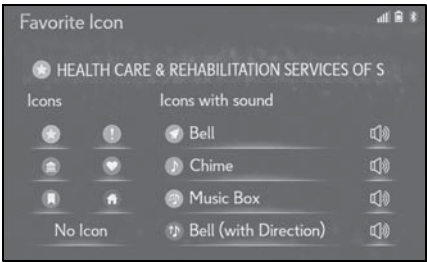
- 2** Select the desired item to be edited.



- A** Select to edit the favorites list entry name.
- B** Select to edit location information.
- C** Select to edit the phone number.
- D** Select to change the icon to be displayed on the map screen. (→P.109)
- E** Select to set display of the favorites list entry name on/off.
- F** Select to delete favorites list entries.
- 3** Select “OK”.

Changing the icon

- 1 Select "Icon".
- 2 Select the desired icon.



■ Icons with sound

A sound for some favorites list entries can be set. When the vehicle approaches the location of the favorites list entry, the selected sound will be heard.

 : Select to play the sound.

- When "Bell (with Direction)" is selected, select an arrow to adjust the direction and select "OK".
- The bell sounds only when the vehicle approaches this point in the direction that has been set.

Setting up areas to avoid

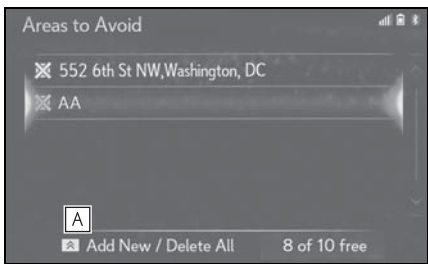
Areas to be avoided because of traffic jams, construction work or other reasons can be registered as "Areas to Avoid".

- 1 Display the navigation settings screen:

- "MENU" button → "Setup" →  "Navigation"

- 2 Select "Areas to Avoid".

- 3 Select the desired item.



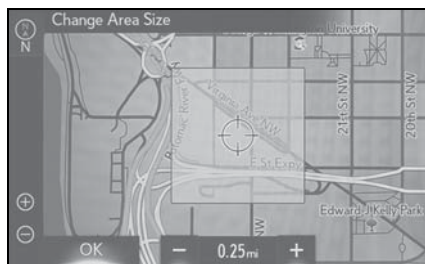
A Press the  button on the Remote Touch to edit the list of areas to avoid.

"Add New": Select to register areas to avoid. (→P.110)

"Delete All": Select to delete all areas to avoid.

Registering areas to avoid

- 1 Press the  button on the Remote Touch, and then select "Add New".
- 2 Select "Recent Destinations" (→P.91) or "Current Location" to search for the location.
- 3 Select "+" or "-" to change the size of the area to be avoided and select "OK".



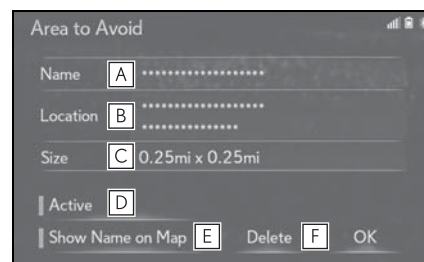
- 4 Select "OK" when the area to avoid screen appears.

- If a destination is entered in the area to avoid or the route calculation cannot be made without running through the area to avoid, a route passing through the area to be avoided may be shown.
- Up to 10 locations can be registered as points/areas to avoid.

Editing areas to avoid

The name, location and/or area size of a registered area can be edited.

- 1 Select the desired area.
- 2 Select the desired item to be edited.



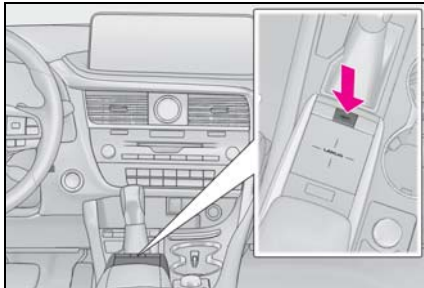
- A** Select to edit the name of the area to avoid.
 - B** Select to edit area location.
 - C** Select to edit area size.
 - D** Select to set the area to avoid function on/off.
 - E** Select to set display of the area to avoid name on/off.
 - F** Select to delete areas to avoid.
- 3 Select "OK".

Detailed navigation settings

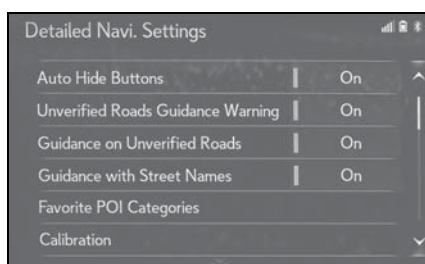
Settings are available for auto hide buttons, favorite POI categories, etc.

Displaying the detailed navigation settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Navigation" on the sub menu.
- 4 Select "Detailed Navi. Settings".
- 5 Select the desired items to be set.



Detailed navigation settings screen

● "Auto Hide Buttons"

Select to set the automatic screen button hiding function on/off. When set to on, certain screen buttons on the map screen will disappear several seconds after the Remote Touch has been operated. When set to off, all the screen buttons will always be displayed.

● "Unverified Roads Guidance Warning"

Select to set unverified roads guidance warning on/off.

● "Guidance on Unverified Roads"

Select to set IPD road (roads that are not completely digitized in our database) guidance on/off.

● "Guidance with Street Names"

Select to set the voice guidance for the next street name on/off.

● "Favorite POI Categories"

Select to set favorite POI categories that are used for POI selection to display on the map screen. (→P.112)

● "Calibration"

Select to adjust the current position mark manually or to adjust miscalculation of the distance caused by tire replacement. (→P.113)

● "Adaptive Route"

Select to enable/disable adaptive routes. When enabled, the navigation system will provide frequently used routes.

● "Reset Adaptive Route"

Select to erase adaptive route data.

● "Automatic Destination List Info"

Select to set automatic destination list information on/off. When set to on, the estimated time of arrival to the registered home and preset destinations from the current position will be displayed.

- “Intersection Zoom Map”

Select to set display of a guidance screen on/off.

- “Automatic Zoom”

Select to set automatic zoom function on/off. When it is enabled, as the vehicle approaches a guidance point, the map will change to a detailed map automatically.

- “Automatic Freeway Exit List”

Select to set display of a freeway information screen on/off. (→P.101)

- “State border guidance”

Select to set cross-border guidance on/off.

- “Map Color Customization”

Select to set the map display color.

- “Map Animation”

Select to set map animation on/off.

- “Map Flick”

Select to set drag/flick operation on the map screen on/off. (→P.82)

- “Weather Incident Warnings”

Select to set weather incident warnings on/off. (→P.193)

- “Dynamic Route”*

Select to enable/disable routes sourced from the Lexus Enform center. (→P.99)

- “Restore the default settings”

Select to reset all setup items.

*: This function is not available in some countries or areas.

Favorite POI categories (Select POI icons)

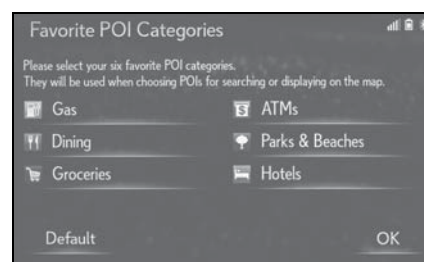
Up to 6 POI icons, which are used for selecting POIs on the map screen, can be selected as favorites.

1 Display the detailed navigation settings screen:

- “MENU” button → “Setup” →  “Navigation” → “Detailed Navi. Settings”

2 Select “Favorite POI Categories”.

3 Select the desired category to be changed.



“Default”: Select to set the default categories.

4 Select the desired POI category.

“List All Categories”: Select to display all POI categories.

5 Select the desired POI icon.

6 Select “OK”.

Current position/Tire change calibration

The current position mark can be adjusted manually. Miscalculation of the distance caused by tire replacement can also be adjusted.

- 1 Display the detailed navigation settings screen:
 - "MENU" button → "Setup" →  "Navigation" → "Detailed Navi. Settings"
- 2 Select "Calibration".
- 3 Select the desired item.
 - For additional information on the accuracy of a current position: →P.119

Position/Direction calibration

When driving, the current position mark will be automatically corrected by GPS signals. If GPS reception is poor due to location, the current position mark can be adjusted manually.

- 1 Select "Position/Direction".
- 2 Scroll the map to the desired point (→P.81) and select "OK".
- 3 Select an arrow to adjust the direction of the current position mark and select "OK".

Tire change calibration

The tire change calibration function will be used when replacing the tires. This function will adjust miscalculation caused by the circumference difference between the old and new tires.

- 1 Select "Select after a Tire Change".
 - The message appears and the quick distance calibration starts automatically.
- If this procedure is not performed when the tires are replaced, the current position mark may be incorrectly displayed.

3

Navigation system

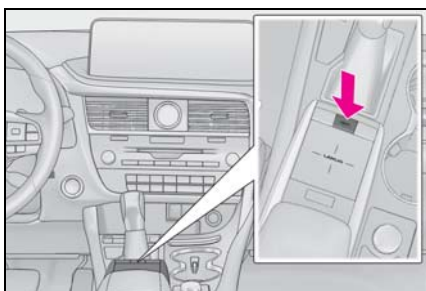
Traffic settings*

*: This function is not available in some countries or areas.

Traffic information such as traffic congestion or traffic incident warnings can be made available.

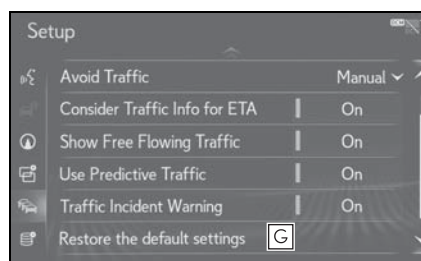
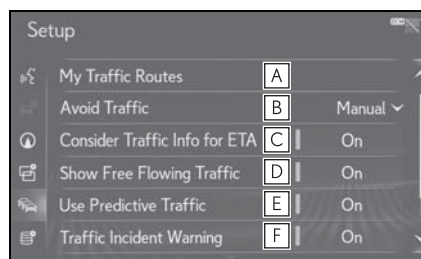
Displaying the traffic settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Traffic" on the sub menu.
- 4 Select the desired items to be set.

Traffic settings screen



- Select to set specific routes (such as frequently used routes) on which you wish to receive traffic information. (→P.115)
- Select to set the avoid traffic function auto/manual. (→P.117)
- Select to set the usage of traffic information for the estimated arrival time on/off.
- Select to set the display of an arrow of free flowing traffic on/off.
- Select to set to on/off whether to consider the predictive traffic information (→P.88) with estimated arrival time and detoured route search.
- Select to set traffic incident voice warning on/off.
- Select to reset all setup items.

My traffic routes

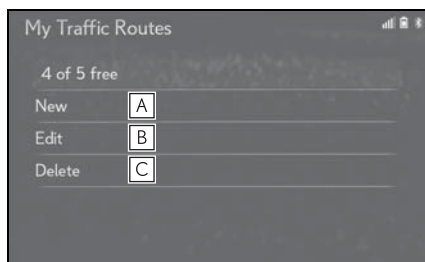
Specific routes (such as frequently used routes) on which you wish to receive traffic information can be registered as "My Traffic Routes". A route is set by defining a start point and end point, and can be adjusted by setting up to 2 preferred roads.

1 Display the traffic settings screen:

- "MENU" button → "Setup" → 

2 Select "My Traffic Routes".

3 Select the desired item.



A Select to register personal traffic routes. (→P.115)

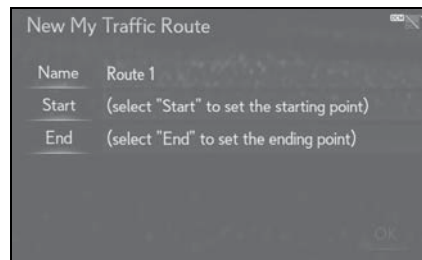
B Select to edit personal traffic routes. (→P.116)

C Select to delete personal traffic routes. (→P.116)

Registering personal traffic routes

1 Select "New".

2 Select "Name".



3 Enter the name and select "OK".

4 Select "Start".

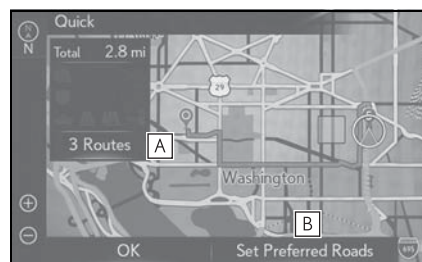
5 Select the desired item to search for the location. (→P.89)

6 Select "End".

7 Select the desired item to search for the location. (→P.89)

8 Select "OK".

9 Confirm the route overview displayed.



A Select the desired route from 3 possible routes. (→P.98)

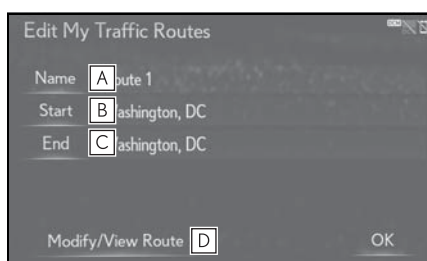
B Select to modify the route. The routes can be adjusted by setting preferred roads. (→P.116)

10 Select "OK".

- Up to 5 routes can be registered.

Editing personal traffic routes

- 1 Select "Edit".
- 2 Select the desired traffic route.
- 3 Select the desired item to be edited.



- A Select to edit the name of the personal traffic route. (→P.115)
 - B Select to edit start location. (→P.115)
 - C Select to edit end location. (→P.115)
 - D Select to see and modify the entire route. (→P.116)
- 4 Select "OK".
 - 5 Follow the steps in "Registering personal traffic routes" from step 9. (→P.115)

Deleting personal traffic routes

- 1 Select "Delete".
- 2 Select the desired traffic route to be deleted and select "Delete".
- 3 Select "Yes" when the confirmation screen appears.

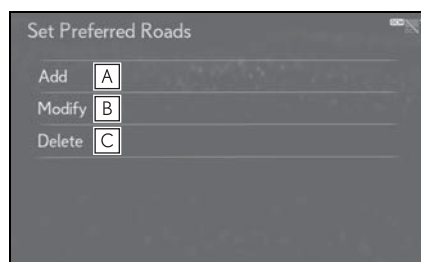
Setting preferred roads

"My Traffic Routes" can be adjusted by setting up to 2 preferred roads.

- 1 Select "Set Preferred Roads".



- 2 Select the desired item.



- A Select to add preferred roads. (→P.116)
- B Select to modify preferred roads. (→P.117)
- C Select to delete preferred roads. (→P.117)

■ Adding preferred roads

- 1 Select "Add".
- 2 Scroll the map to the desired point (→P.81) and select "OK".
- 3 Select "OK" to use this road.
"Next": Select to change road.
▶ Available only when 1 preferred road is set
- 4 Select "Add" for the desired location.

- If a preferred road is already set, a second preferred road can be added anywhere between the start point, the end point and the existing preferred road.

■ Modifying preferred roads

- 1 Select "Modify".
- 2 Select the desired preferred road to be modified if 2 preferred roads have been set.
- 3 Scroll the map to the desired point (→P.81) and select "OK".
- 4 Select "OK" to use this road.

"Next": Select to change road.

■ Deleting preferred roads

- 1 Select "Delete".
- 2 Select the desired preferred road to be deleted if 2 preferred roads have been set.

"Delete All": Select to delete all preferred roads on the list.

- 3 Select "Yes" when the confirmation screen appears.

Avoid traffic

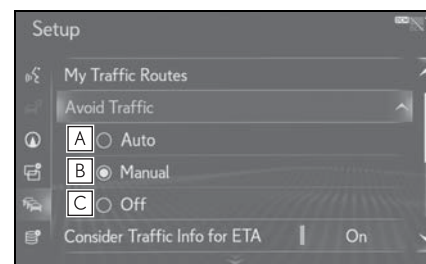
- 1 Display the traffic settings screen:

- "MENU" button → "Setup" →  "Traffic"

- 2 Select "Avoid Traffic".

- 3 Select the desired item.

3



Navigation system

- A** Select to select automatically change routes when congestion information of the guidance route has been received.
- B** Select to select manually whether or not to change routes when congestion information of the guidance route has been received. In this mode, a screen will appear to ask if you wish to reroute.
- C** Select to not reroute when congestion information for the guidance route has been received.

Changing the route manually

When the navigation system calculates a new route, a confirmation screen will be displayed.

1 Select the desired item.

“Yes”: Select to start route guidance using the new route.

“View Map”: Select to confirm the new route and current route on the map.

“No”: Select to continue the current route guidance.

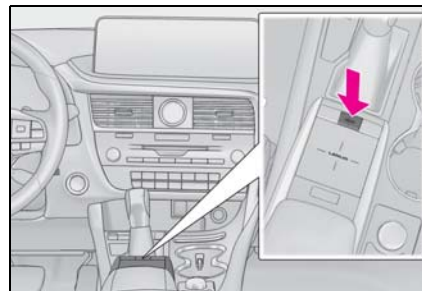
Use of information accumulated by navigation system*

*: This function may not be available immediately after purchase of the vehicle.

When enabled, information collected by the navigation system will be analyzed to give advice for safe driving.

Displaying the useful navigation information settings screen

1 Press the “MENU” button on the Remote Touch.



2 Select “Setup”.

3 Select  “Navigation” on the sub menu.

4 Select “Useful Navi. Information Settings”.

5 Select the desired items to be set.

GPS (Global Positioning System)

This navigation system calculates the current position using satellite signals, various vehicle signals, map data, etc. However, an accurate position may not be shown depending on satellite conditions, road configuration, vehicle condition or other circumstances.

Limitations of the navigation system

The Global Positioning System (GPS) developed and operated by the U.S. Department of Defense provides an accurate current position, normally using 4 or more satellites, and in some case 3 satellites. The GPS system has a certain level of inaccuracy. While the navigation system compensates for this most of the time, occasional positioning errors of up to 300 ft. (100 m) can and should be expected. Generally, position errors will be corrected within a few seconds.

When the vehicle is not receiving signals from satellites, the unreceived GPS mark appears on the map screen. When the vehicle is receiving the signals, the unreceived GPS mark does not appear on the map screen.

The GPS signal may be physically obstructed, leading to inaccurate vehicle position on the map screen. Tunnels, tall buildings, trucks, or even the placement of objects on the instrument

panel may obstruct the GPS signals.

The GPS satellites may not send signals due to repairs or improvements being made to them.

Even when the navigation system is receiving clear GPS signals, the vehicle position may not be shown accurately or inappropriate route guidance may occur in some cases.



NOTICE

- The installation of window tinting may obstruct the GPS signals. Most window tinting contains some metallic content that will interfere with GPS signal reception of the antenna in the instrument panel. We advise against the use of window tinting on vehicles equipped with navigation systems.

- Accurate current position may not be shown in the following cases:
 - When driving on a small angled Y-shaped road.
 - When driving on a winding road.
 - When driving on a slippery road such as in sand, gravel, snow, etc.
 - When driving on a long straight road.
 - When freeway and surface streets run in parallel.
 - After moving by ferry or vehicle carrier.
 - When a long route is searched during high speed driving.
 - When driving without setting the current position calibration correctly.
 - After repeating a change of direction by going forward and backward, or turning on a turntable in a parking lot.
 - When leaving a covered parking lot or parking garage.

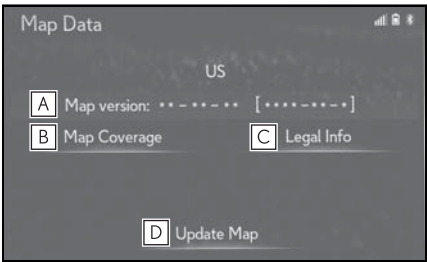
- When a roof carrier is installed.
 - When driving with tire chains installed.
 - When the tires are worn.
 - After replacing a tire or tires.
 - When using tires that are smaller or larger than the factory specifications.
 - When the tire pressure in any of the 4 tires is not correct.
 - If the vehicle cannot receive GPS signals, the current position can be adjusted manually. For information on setting the current position calibration: →P.113
 - Inappropriate route guidance may occur in the following cases:
 - When turning at an intersection off the designated route guidance.
 - If you set more than 1 destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
 - When turning at an intersection for which there is no route guidance.
 - When passing through an intersection for which there is no route guidance.
 - During auto reroute, the route guidance may not be available for the next turn to the right or left.
 - During high speed driving, it may take a long time for auto reroute to operate. In auto reroute, a detour route may be shown.
 - After auto reroute, the route may not be changed.
 - If an unnecessary U-turn is shown or announced.
 - If a location has multiple names and the system announces 1 or more of them.
 - When a route cannot be searched.
 - If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
 - Your destination point might be shown on the opposite side of the street.
 - When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time, season or other reasons.
 - The road and map data stored in the navigation system may not be complete or may not be the latest version.
 - After replacing a tire: →P.113
-
- This navigation system uses tire turning data and is designed to work with factory-specified tires for the vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the current position. The tire pressure also affects the diameter of the tires, so make sure that the tire pressure of all 4 tires is correct.

Map database version and covered area

Coverage areas and legal information can be displayed and map data can be updated.

Map information

- 1 Select  on the map screen. (→P.78)
- 2 Select "Map Data".
- 3 Check that the map data screen is displayed.



- A Map version
- B Select to display map coverage areas.
- C Select to display legal information.
- D Select to update map.

● For map data updates, contact your Lexus dealer.

Temporary updates of the map *

* : This function is not available in some countries or areas.

If the map data has been provided from the Lexus Enform center for any of the following areas and the map data in the navigation system is older than what has been provided, the displayed map will be updated temporarily:

- Areas around the area displayed on the map screen (example: areas around current position)
 - Areas around destinations
 - Areas along the set route
-
- The updated data will temporarily be saved in the navigation system.
 - If temporary update data exceeds the available memory in the temporary map cache, the oldest data will be deleted.
 - The temporary map data will disappear when the expiration date has passed.

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Quick reference

Functional overview

The audio control screen can be reached by the following methods:

- ▶ Using the audio control switch

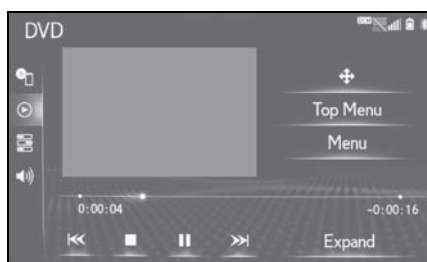
1 Press the "RADIO" or "MEDIA" button.

- ▶ Using the Remote Touch

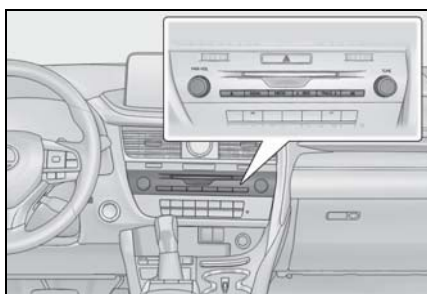
1 Press the "MENU" button on the Remote Touch, then select "Audio".

- 12.3-inch display model: The audio functions can also be displayed and operated on the side display. (→P.35)

■ Control screen



■ Audio control switch



- Using the radio (→P.131)
- Playing an audio CD or MP3/WMA/AAC disc (→P.140)

- Playing a DVD^{*1} (→P.142)
- Playing a USB memory (→P.145)
- Playing an iPod/iPhone (Apple CarPlay^{*2}) (→P.147)
- Using the Android Auto^{*2} (→P.151)
- Playing a Bluetooth[®] device (→P.152)
- Using the AUX port (→P.156)
- Using the steering wheel audio switches (→P.157)
- Audio system settings (→P.159)

^{*1}: 12.3-inch display model

^{*2}: This function is not available in some countries or areas.

Some basics

This section describes some of the basic features of the audio/visual system. Some information may not pertain to your system.

Your audio/visual system works when the engine switch <power switch> is in **ACCESSORY** or **IGNITION ON mode <ON mode>**.

■ Certification

CAUTION:

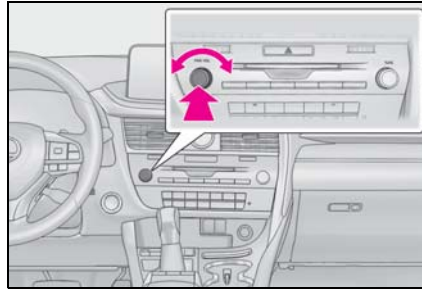
THIS PRODUCT IS A CLASS I (1) LASER PRODUCT. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR BY YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.



NOTICE

- To prevent the 12-volt battery from being discharged, do not leave the audio/visual system on longer than necessary when the engine is not running <hybrid system is not operating>.

Turning the system on and off



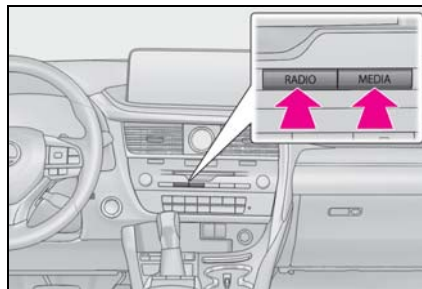
"PWR•VOL" knob: Press to turn the audio/visual system on and off. The system turns on in the last mode used. Turn this knob to adjust the volume.

- A function that enables automatic return to the map screen from the audio/visual screen can be selected. (→P.67)

Selecting an audio source

- ▶ Using the audio control switch

- 1 Press the "RADIO" or "MEDIA" button.



"RADIO" button: Press to change radio modes.

"MEDIA" button: Press to change media modes.

- Each time the "RADIO" or "MEDIA" button is pressed, the

audio source changes.

- ▶ From the audio source selection screen

- 1 Display the audio control screen.
- 2 Select  "Source" on the sub menu.
- 3 Select the desired source.

- Dimmed screen buttons cannot be operated.
 - When there are two pages, select  or  to change the page.
 - When an Apple CarPlay/Android Auto connection is established, some system functions, such as the following, will be replaced by similar Apple CarPlay/Android Auto function or will become unavailable*:
 - iPod (Audio Playback)
 - USB audio/USB video
 - Bluetooth® audio
 - Lexus Enform App Suite 2.0
- *: This function is not available in some countries or areas.

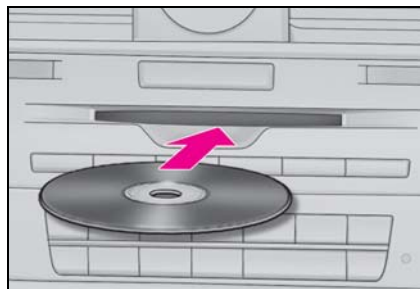
Reordering the audio source

- 1 Display the audio control screen.
- 2 Select  "Source" on the sub menu.
- 3 Select "Reorder".
- 4 Select the desired audio source then  or  to reorder.

Disc slot

■ Inserting a disc

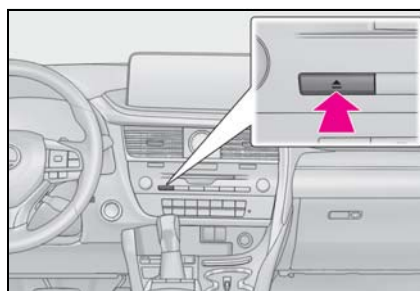
- 1 Insert a disc into the disc slot.



- After insertion, the disc is automatically loaded.

■ Ejecting the disc

- 1 Press the  button and remove the disc.



- The player is intended for use with 4.7 in. (12 cm) discs only.
- When inserting a disc, gently insert the disc with the label facing up.



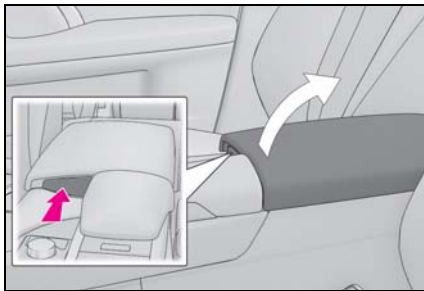
NOTICE

- Never try to disassemble or oil any part of the CD/DVD player. Do not insert anything other than a disc into the slot.

USB/AUX port

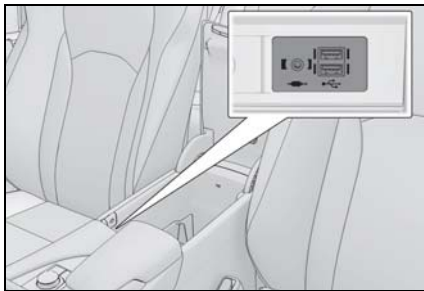
There are 2 USB ports and an AUX port in the console box.

1 Push the knob.



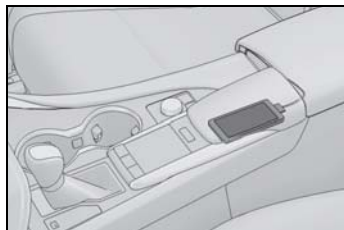
- Lift by hand to fully open the console box.

2 Connect a device.



- Turn on the power of the device if it is not turned on.

- There is clearance between the lid and console box to allow the cable routed to outside the console box.



- The AUX port only supports audio input.
- Up to two portable players can be con-

nected to the USB port at the same time.

- Even if a USB hub is used to connect more than two USB devices, only the first two connected devices will be recognized.
- If a USB hub that has more than two ports is connected to the USB port, devices connected to the USB hub may not charge or be operable, as the supply of current may be insufficient.
- When an Apple CarPlay/Android Auto connection is established, the other USB port can be used only for device battery charger.*

*: This function is not available in some countries or areas.

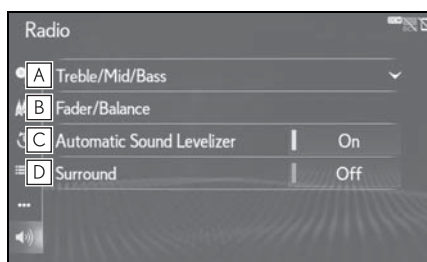


NOTICE

- Depending on the size and shape of the device that is connected to the system, the console box may not close fully. In this case, do not forcibly close the console box as this may damage the device or the terminal, etc.

Sound settings

- 1 Display the audio control screen.
- 2 Select  "Sound" on the sub menu.
- 3 Select the desired item to be set.

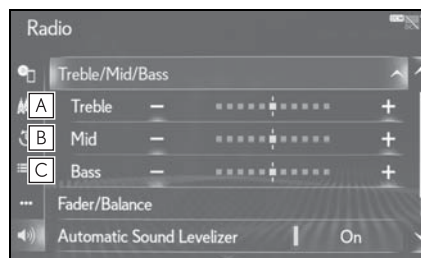


- A** Select to set the treble/mid/bass. (→P.128)
- B** Select to set the fader/balance. (→P.128)
- C** The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased vehicle noise. (→P.129)
- D** This function can create a feeling of presence. (→P.129)

■ Treble/Mid/Bass

How good an audio program sounds is largely determined by the mix of the treble, mid and bass levels. In fact, different kinds of music and vocal programs usually sound better with different mixes of treble, mid and bass.

- 1 Select "Treble/Mid/Bass" and select the desired item to be set.



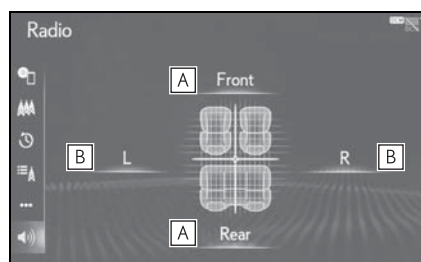
- A** Select "+" or "-" to adjust high-pitched tones.
- B** Select "+" or "-" to adjust mid-pitched tones.
- C** Select "+" or "-" to adjust low-pitched tones.

■ Fader/Balance

A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

Keep in mind that when listening to a stereo recording or broadcast, changing the right/left balance will increase the volume of 1 group of sounds while decreasing the volume of another.

- 1 Select "Fader/Balance" and select the desired item to be set.



- A** Select to adjust the sound balance between the front and rear speakers.

- B** Select to adjust the sound balance between the left and right speakers.

■ Automatic sound levelizer

The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased vehicle noise.

- 1 Select to set the automatic sound levelizer on/off.

■ Surround

This function can create a feeling of presence.

- 1 Select to set the surround on/off.

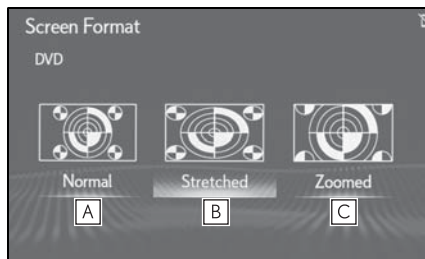
Audio screen adjustment

■ Screen size settings

The screen size can be selected for each type of media.

- DVD video^{*}/USB video

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Setup".
- 3 Select  "Audio" on the sub menu.
- 4 Select "Common".
- 5 Select "Screen Format".
- 6 Select the desired item to be set.



- A** Select to display a 4:3 screen, with

either side in black.

- B** Select to enlarge the image horizontally and vertically to full screen.

- C** Select to enlarge the image by the same ratio horizontally and vertically.

^{*}: 12.3-inch display model

■ Color, tone, contrast and brightness adjustment

The color, tone, contrast and brightness of the screen can be adjusted.

- DVD video^{*}/USB video

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Setup".
- 3 Select  "Audio" on the sub menu.
- 4 Select "Common".
- 5 Select "Display".
- 6 Select the desired item to be set.

● "Color"

"R": Select to strengthen the red color of the screen.

"G": Select to strengthen the green color of the screen.

● "Tone"

"+": Select to strengthen the tone of the screen.

"-": Select to weaken the tone of the screen.

● "Contrast"

"+": Select to strengthen the contrast of the screen.

"-": Select to weaken the contrast of the screen.

● "Brightness"

"+": Select to brighten the screen.

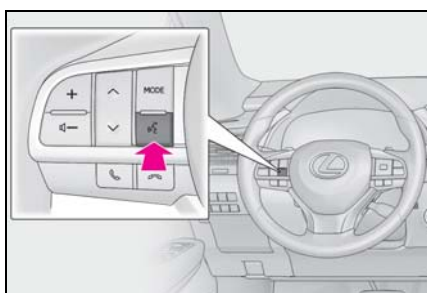
"-": Select to darken the screen.

* : 12.3-inch display model

- Depending on the audio source, some functions may not be available.

Voice command system

- 1 Press the talk switch to operate the voice command system.



- The voice command system and its list of commands can be operated. (→P.180)

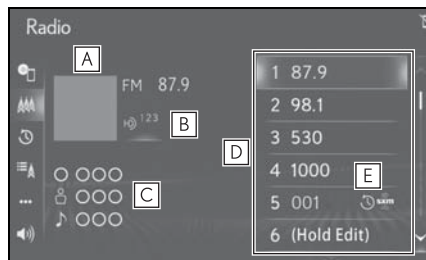
AM radio/FM radio/ SiriusXM® Satellite Radio(SXM)

Overview

The radio control screen can be reached by the following methods:

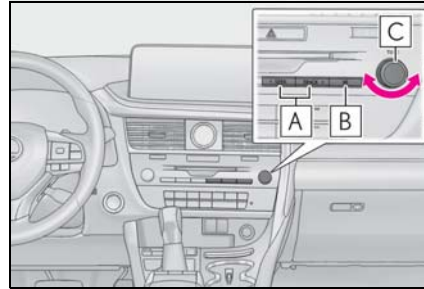
- ▶ Using the audio control switch
 - 1 Press the "RADIO" button.
- ▶ Using the Remote Touch
 - 1 Press the "MENU" button on the Remote Touch, then select "Audio".

Control screen



- A** Displays cover art (→P.159)
- B** Select to display HD) multicast channels available. (→P.135)
- C** Displays the artist info and song title or album and genre. Select to change the displayed information. Displays messages when available from RBDS. (→P.134)
- D** Select to tune to preset stations/channels. (→P.132)
- E** Displays items on the channels registered to smart favorites. (→P.138)

Audio control switch



- A** Press to seek up/down.
Press and hold for continuous seek.
- B** Press to turn mute on/off.
Cache radio only: Press to play/pause.
- C** Turn to step up/down frequencies/channels.

- The radio automatically changes to stereo reception when a stereo broadcast is received.
- The radio automatically blends to an HD Radio signal in AM or FM where available.

Presetting a station

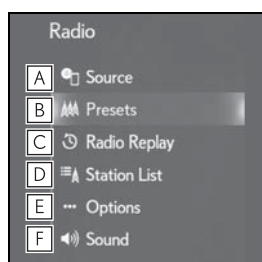
Radio mode has a mix preset function, which can store up to 36 stations (6 stations per page x 6 pages) from any of the AM, FM or SXM bands.

- 1 Tune in the desired station.
- 2 Select and hold “(Hold Edit)”.



- To change the preset station to a different one, select and hold the preset station.
- The number of preset radio stations displayed on the screen can be changed. (→P.160)

Sub menu



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to display the preset station screen.
- C** Select to display the cache radio control screen. * (→P.132)

- D** Select to display a list of receivable stations. (→P.133)
- E** Select to display the radio options screen. (→P.134)
- F** Select to display the sound setting screen. (→P.128)

* : This function is not available on some radio mode.

Caching a radio program

AM/FM* and SXM radio program can be cached and played back in a time-shifted manner.

*: 12.3-inch display model

Automatic playback of the cache

If the radio broadcast is interrupted by another audio output, such as an incoming phone call, the system will automatically cache the interrupted portion and perform time-shift playback when the interruption ends. This function is available when “Auto Pause” is set to on. (→P.134)

Playing back the cache manually

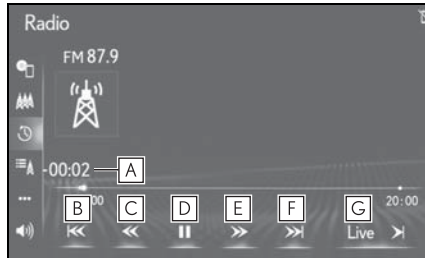
The broadcast cached in the program cache can be played back manually.

- 1 Select “Radio Replay”^{*1} or “SXM Replay”^{*2} on the sub menu.

^{*1}: 12.3-inch display model

^{*2}: 8-inch display model

- 2 Select the desired cache radio operation button.

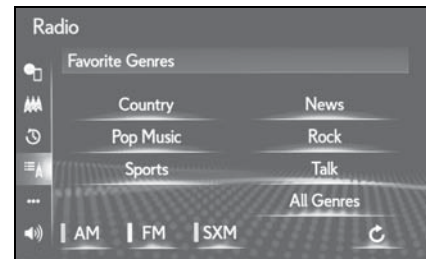


- A** Displays the replay offset from the current time
- B** Skips backward 2 minutes (AM/FM)
Select to select current/previous track (SXM)
- C** Fast rewinds continuously
- D** Pauses the playback (To restart, select )
- E** Fast forwards continuously
- F** Skips forward 2 minutes (AM/FM)
Select to change the track (SXM)
- G** Returns to the live radio broadcast

- The system can store up to 20 minutes of AM/FM and less than 60 minutes of SXM. Cached data will be erased when the radio mode or station is changed or when the audio/visual system is turned off.
- AM/FM: If noise or silence occurs during the caching process, cache writing will continue, with the noise or silence recorded as is. In this case, the cached broadcast will contain the noise or silence when played back.

Selecting a station from the list

- AM
 - 1 Select  "Station List" on the sub menu.
 - 2 Select the desired station.
- FM/SXM
 - 1 Select  "Station List" on the sub menu.
 - 2 Select the desired genre.



- "All Genres" can be selected to display all genres that can be received.
 - The favorite genre can be changed. (→P.160)
- 3 Select the desired station.

- "AM", "FM" or "SXM" can be pressed to switch the mode.

Refreshing the station list (AM/FM)

- 1 Select  on the station list screen and the following screen buttons will be displayed.

"Cancel Refresh": Select to cancel the refresh.

"Source": Select to change to another audio source while refreshing.

- The audio/visual system sound is muted

during refresh operation.

- In some situations, it may take some time to update the station list.

Radio options

- 1 Select **...** “Options” on the sub menu.
- 2 Select the desired item to be set.



- A** Select to turn automatic playback of the cache on/off.
- B** When “SXM Tune Start” is turned on, the current song is played from the beginning when you select the channel.
- C** Select to turn digital AM Radio mode on/off.
- D** Select to turn digital FM Radio mode on/off.
- E** Analog FM only: Select to display RBDS text messages.
- F** Select to scan for receivable stations. (Type scan in case SXM is current program type/channel category.)

Radio broadcast data system

This audio/visual system is equipped with Radio Broadcast Data Systems (RBDS). RBDS mode allows text messages to be received from radio stations that utilize RBDS transmitters.

When RBDS is on, the radio can do the following functions.

- Only selecting stations of a particular program type
- Displaying messages from radio stations
- Searching for a stronger signal station

RBDS features are available only when listening to an FM station that broadcasts RBDS information and the “FM Info” function is on. (→P.134)

Using HD Radio™ technology

HD Radio™ Technology is the digital evolution of analog AM/FM radio. Your radio product has a special receiver which allows it to receive digital broadcasts (where available) in addition to the analog broadcasts it already receives. Digital broadcasts have better sound quality than analog broadcasts as digital broadcasts provide free, crystal clear audio with no static or distortion. For more information, and a guide to available radio stations and programming, refer to www.hdradio.com.

HD Radio features included in Lexus radios:

- Digital Sound HD Radio broadcasts

deliver crystal-clear, digital audio quality to listeners.

- HD2/HD3 Channels FM stations can provide additional digital only audio programming with expanded content and format choices on HD2/HD3 channels.
- PSD Program Service Data (PSD) gives you on-screen information such as artist name and song title.
- Artist Experience Images related to the broadcast are displayed on the radio screen, such as album cover art and station logos.

■ Certification



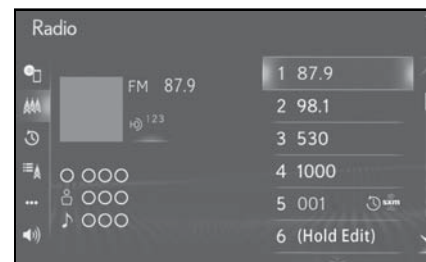
- HD Radio Technology manufactured under license from iBiquity Digital Corporation. U.S. and Foreign Patents. For patents see <http://dts.com/patents>. HD Radio, Artist Experience, and the HD, HD Radio, and "ARC" logos are registered trademarks or trademarks of iBiquity Digital Corporation in the United States and/or other countries.

Available HD Radio™ technology

■ Multicast

On the FM radio frequency most digital stations have "multiple" or supplemental programs on one FM station.

- 1 Select the "HD)" logo.



- 2 Select the desired channel.

- Turning the "TUNE" knob can also select the desired multicast channel.

Troubleshooting guide

■ Experience

- Mismatch of time alignment- a user may hear a short period of programming replayed or an echo, stutter or skip.

Cause: The radio stations analog and digital volume is not properly aligned or the station is in ballgame mode.

Action: None, radio broadcast issue. A user can contact the radio station.

- Sound fades, blending in and out.

Cause: Radio is shifting between analog and digital audio.

Action: Reception issue, may clear-up as the vehicle continues to be driven. Turning the indicator of the "HD Radio AM" and "HD Radio FM" button off can force radio

in an analog audio.

- Audio mute condition when an HD2/HD3 multicast channel had been playing.

Cause: The radio does not have access to digital signals at the moment.

Action: This is normal behavior, wait until the digital signal returns. If out of the coverage area, seek a new station.

- Audio mute delay when selecting an HD2/HD3 multicast channel preset.

Cause: The digital multicast content is not available until HD Radio™ broadcast can be decoded and make the audio available. This takes up to 7 seconds.

Action: This is normal behavior, wait for the audio to become available.

- Text information does not match the present song audio.

Cause: Data service issue by the radio broadcaster.

Action: Broadcaster should be notified. Complete the form:

<https://hdradio.com/stations/feedback>

- No text information shown for the present selected frequency.

Cause: Data service issue by the radio broadcaster.

Action: Broadcaster should be notified. Complete the form:

<https://hdradio.com/stations/feedback>

How to Subscribe to SiriusXM Satellite Radio/HOW TO SUBSCRIBE TO SiriusXM Radio Services

All SiriusXM services, including satellite radio and data services, plus streaming services, require a subscription, sold separately or as a package by Sirius XM Radio Inc. (or in Canada, Sirius XM Canada Inc.), after any trial subscription which may be included with your vehicle purchase or lease. To subscribe after your trial subscription, call 1-877-447-0011 (U.S.A.) or 1-877-438-9677 (Canada).

■ IMPORTANT INFORMATION ABOUT YOUR SUBSCRIPTION:

Your SiriusXM services will automatically stop at the end of your trial unless you decide to subscribe. If you decide to continue service, the paid subscription plan you choose will automatically renew and you will be charged the rate in effect at that time and according to your chosen payment method. Fees and taxes apply. You may cancel at any time by calling 1-866-635-2349. See SiriusXM Customer Agreement for complete terms at www.siriusxm.com (U.S.A.) or www.siriusxm.ca (Canada). All fees and programming subject to change. Traffic information not available in all markets.

■ ABOUT SiriusXM Services

Most in-car trials today include SiriusXM's best package — All Access. It includes every channel available on your radio, plus streaming.

■ SiriusXM All Access Subscription

Listen everywhere with All Access. You get every channel available in your ride, plus you can listen on the app and online — so you can enjoy the best SiriusXM has to offer, anywhere life takes you. It's the only package that gives you all of our premium programming, including Howard Stern, every NFL, MLB[®] and NBA game, every NASCAR[®] race, NHL[®] games, 24/7 talk channels dedicated to the biggest leagues, and more. You get all kinds of commercial-free music, including artist-dedicated channels and more, plus sports, news, talk and entertainment.

■ RADIO OPERATION

Look for the Sirius, XM, SiriusXM, Band, SAT, AUX, Radio or Source button and you're in. If you can't hear us, it's easy to get started:

- U.S.A.
 - Locate your Radio ID by turning to Channel 0. If you don't see your number there, go to siriusxm.com/activationhelp to find it.
 - Visit siriusxm.com/refresh or call 1-855-MYREFRESH (697-3373) to send a refresh signal to your radio.
- Canada
 - Locate your Radio ID by turning to Channel 0.
 - Visit siriusxm.ca/refresh to send a refresh signal to your radio or call 1-888-539-7474 for service.



NOTICE

- 12.3-inch display model: It is prohibited to copy, decompile, disassemble, reverse engineer, hack, manipulate, or otherwise make available any technology or software incorporated in receivers compatible with the SiriusXM Satellite Radio System or that support the SiriusXM website, the streaming service or any of its content. Furthermore, the AMBE[®] voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc.
- 8-inch display model: It is prohibited to copy, decompile, disassemble, reverse engineer, hack, manipulate, or otherwise make available any technology or software incorporated in receivers compatible with the SiriusXM Satellite Radio System or that support the SiriusXM website, the streaming service or any of its content. Furthermore, the AMBE[®] voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc.
- Note: this applies to SiriusXM Satellite Radio receivers only and not SiriusXM Ready devices.

Displaying the radio ID

Each SiriusXM tuner is identified with a unique radio ID. The radio ID is required when activating an SiriusXM Satellite service or when reporting a problem.

- If “Ch 000” is selected using the “TUNE” knob, the ID code, which is 8 alphanumeric characters, will be displayed. If another channel is selected, the ID code will no longer be displayed. The channel (000) alternates between displaying the radio ID and the specific radio code.

Smart favorites

Up to 20 channels can be registered as presets in the cache. For channel registration, refer to (→P.160).

- 1 Select channels registered to smart favorites.
- 2 Select  “Radio Replay”^{*1} or “SXM Replay”^{*2} on the sub menu.

^{*1}: 12.3-inch display model

^{*2}: 8-inch display model

-
- Caches up to 30 minutes for each Smart Favorite preset.
 - The radio plays the track from start when that track has not previously been heard by the user and the station is registered as a smart favorite.
 - Displays icons on the channels registered to smart favorites. (→P.131)

Refer to the table below to identify the problem and take the suggested corrective action

When problems occur with the SiriusXM tuner, a message will appear on the screen. Referring to the table below to identify the problem, take the suggested corrective action.

Message	Explanation
"Check Antenna"	The SiriusXM antenna is not connected. Check whether the SiriusXM antenna cable is attached securely. Contact your Lexus certified dealer for assistance.
	A short circuit occurs in the antenna or the surrounding antenna cable. Contact your Lexus certified dealer for assistance.
"No Signal"	The SiriusXM signal is too weak at the current location. Wait until your vehicle reaches a location with a stronger signal.
"Chan Unavailable"	The channel you selected is not broadcasting any programming. Select another channel.
"Ch Unsubscribed"	The channel you selected is no longer available. Wait for about 2 seconds until the radio returns to the previous channel or "Ch 001". If it does not change automatically, select another channel.
"Subscription Updated"	Subscription is updated. Select "OK" to clear this message.

CD

Overview

The CD control screen can be reached by the following methods:

- ▶ Using the audio control switch

1 Press the "MEDIA" button.

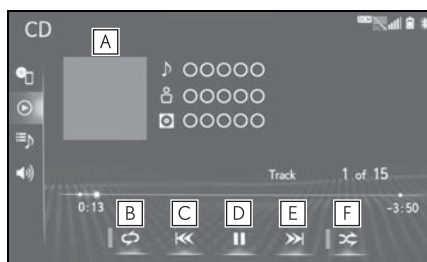
- ▶ Using the Remote Touch

1 Press the "MENU" button on the Remote Touch, then select "Audio".

- Inserting a disc (→P.126)

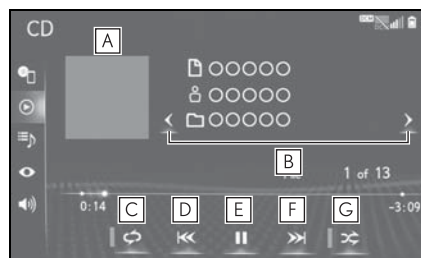
Control screen

- ▶ Audio CD



- A** Displays cover art
- B** Select to set repeat playback. (→P.140)
- C** Select to change the track. Select and hold to fast rewind.
- D** Select to play/pause.
- E** Select to change the track. Select and hold to fast forward.
- F** Select to set random playback. (→P.141)

- ▶ MP3/WMA/AAC disc



- A** Displays cover art
- B** Select to change the folder.
- C** Select to set repeat playback. (→P.140)
- D** Select to change the file. Select and hold to fast rewind.
- E** Select to play/pause.
- F** Select to change the file. Select and hold to fast forward.
- G** Select to set random playback. (→P.141)

Repeating

The track/file or folder currently being listened to can be repeated.

- 1 Select .

- Each time  is selected, the mode changes as follows:

- ▶ Audio CD

- track repeat → off

- ▶ MP3/WMA/AAC disc

- file repeat → folder repeat → off^{*1}

- file repeat → off^{*2}

^{*1}: When random playback is off

^{*2}: When random playback is on

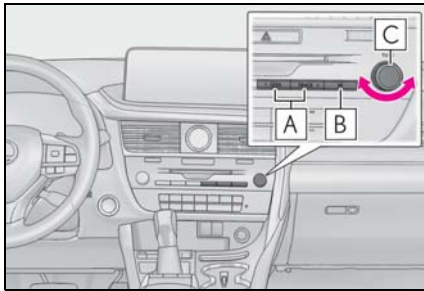
Random order

Tracks/files or folders can be automatically and randomly selected.

1 Select .

- Each time  is selected, the mode changes as follows:
 - ▶ Audio CD
 - random (1 disc random) → off
 - ▶ MP3/WMA/AAC disc
 - random (1 folder random) → folder random (all folder random) → off

Audio control switch

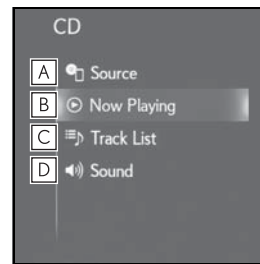


- A** Press to select a track/file.
Press and hold to fast forward/rewind.
- B** Press to pause/play.
- C** Turn to select a track/file.

- If a disc contains CD-DA files and MP3/WMA/AAC files, only the CD-DA files can be played back.
- If a CD-TEXT disc is inserted, the title of the disc and track will be displayed.

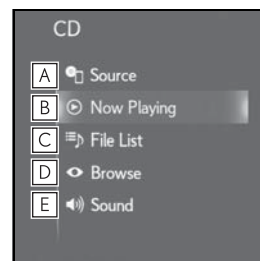
Sub menu

▶ Audio CD



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display the track list screen.
- D** Select to display the sound setting screen. (→P.128)

▶ MP3/WMA/AAC disc



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display a file list screen.
- D** Select to display a browse list.
- E** Select to display the sound setting screen. (→P.128)

DVD*

*: 12.3-inch display model

For safety reasons, the DVD video discs can only be viewed when the following conditions are met:

- (a) The vehicle is completely stopped.
- (b) The engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>.
- (c) The parking brake is applied.

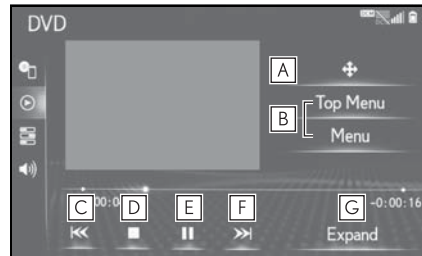
While driving in DVD video mode, only the DVD's audio can be heard.

The playback condition of some DVD discs may be determined by the DVD software producer. This DVD player plays a disc as the software producer intended. As such, some functions may not work properly. Be sure to read the instruction manual that comes with the individual DVD disc. (→P.166)

Overview

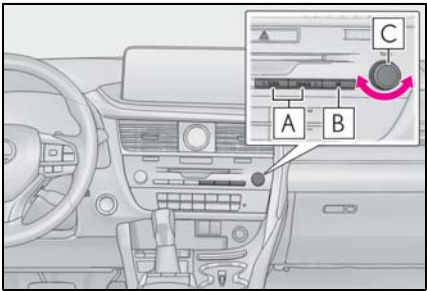
The DVD control screen can be reached by the following methods:

- ▶ Using the audio control switch
 - 1 Press the "MEDIA" button.
- ▶ Using the Remote Touch
 - 1 Press the "MENU" button on the Remote Touch, then select "Audio".
- Inserting a disc (→P.126)

Control screen

- A** Select to display the menu control key.
- B** Select to display the menu screen.
- C** Select to change the chapter.
Select and hold to fast rewind.
- D** Select to stop the video screen.
- E** Select to play/pause.
- F** Select to change the chapter.
 - During playback: Select and hold to fast forward.
 - During a pause: Select and hold to slow forward.
- G** Select to display expanded screen video.

Audio control switch



- A** Press to select a chapter.
Press and hold to fast forward/rewind.
- B** Press to pause/play.
- C** Turn to select a chapter.

- According to the DVD disc, some menu items can be selected directly. (For details, see the manual that comes with the DVD disc provided separately.)
- If  appears on the screen when a control is selected, the operation relevant to the control is not permitted.

! WARNING

- Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio source. The louder sounds may have a significant impact on the human body or pose a driving hazard. Keep this in mind when you adjust the volume.

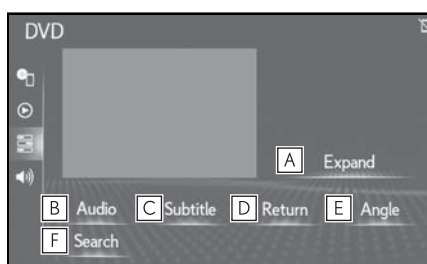
Sub menu



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display the option screen. (→P.144)
- D** Select to display the key code input screen.
- E** Select to display the sound setting screen. (→P.128)

DVD options

- 1 Select  "Options" on the sub menu.
- 2 The following screen is displayed.



- A** Select to display expanded screen video.
- B** Select to change the audio language. (→P.144)
- C** Select to change the subtitle language. (→P.144)
- D** Select to display the predetermined scene on the screen and start playing.
- E** Select to change the angle. (→P.144)
- F** Select to display the title search screen. (→P.144)

Changing the audio language

- 1 Select "Audio".
- 2 Each time "Audio" is selected, the audio language is changed.

- The languages available are restricted to those available on the DVD disc.

Changing the subtitle language

- 1 Select "Subtitle".
- 2 Each time "Change" is selected, the language the subtitles are displayed in is changed.

- The languages available are restricted to those available on the DVD disc.
- When "Hide" is selected, the subtitles can be hidden.

Changing the angle

The angle can be selected for discs that are multi-angle compatible when the angle mark () appears on the screen.

- 1 Select "Angle".
- 2 Each time "Angle" is selected, the angle is changed.

- The angles available are restricted to those available on the DVD disc.

Searching by title

- 1 Select "Search".
 - 2 Enter the title number and select "OK".
- The player starts playing video for that title number.

USB memory

Overview

The USB memory control screen can be reached by the following methods:

- ▶ Using the audio control switch

1 Press the "MEDIA" button.

- ▶ Using the Remote Touch

1 Press the "MENU" button on the Remote Touch, then select "Audio".

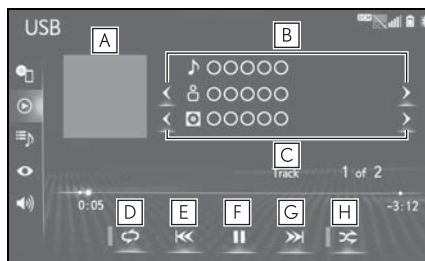
- Connecting a USB memory (→P.127)

When an Apple CarPlay/Android Auto connection is established, this function will be unavailable.*

*: This function is not available in some countries or areas.

Control screen

- ▶ USB audio

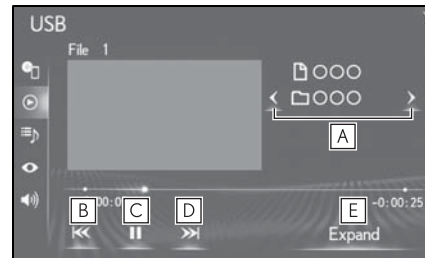


- A** Displays cover art
- B** Select to change the artist.
- C** Select to change the folder/album.
- D** Select to set repeat playback. (→P.146)
- E** Select to change the file/track. Select and hold to fast rewind.

- F** Select to play/pause.
- G** Select to change the file/track. Select and hold to fast forward.
- H** Select to set random playback. (→P.146)

- ▶ USB video

- 1 Select "Browse" on the sub menu.
- 2 Select "Videos".
- 3 Select the desired folder and file.



- A** Select to change the folder.
- B** Select to change the file. Select and hold to fast rewind.
- C** Select to play/pause.
- D** Select to change the file. Select and hold to fast forward.
- E** Select to display expanded screen video. (12.3-inch display model) Select to display full screen video. (8-inch display model)

Repeating

The file/track or folder/album currently being listened to can be repeated.

1 Select .

- Each time  is selected, the mode changes as follows:
 - ▶ When random playback is off
 - file/track repeat → folder/album repeat → off
 - ▶ When random playback is on
 - file/track repeat → off

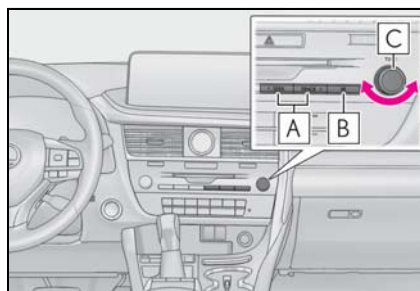
Random order

Files/tracks or folders/albums can be automatically and randomly selected.

1 Select .

- Each time  is selected, the mode changes as follows:
 - random (1 folder/album random) → folder/album random (all folder/album random) → off

Audio control switch



- A** Press to select a file/track.
Press and hold to fast forward/rewind.
- B** Press to pause/play.
- C** Turn to select a file/track.

- If tag information exists, the file/folder names will be changed to track/album names.



WARNING

- Do not operate the player's controls or connect the USB memory while driving.



NOTICE

- Depending on the size and shape of the USB memory that is connected to the system, the console box may not close fully. In this case, do not forcibly close the console box as this may damage the USB memory or the terminal, etc.
- Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.

 NOTICE

● Do not insert foreign objects into the port as this may damage the portable player or its terminal.

Sub menu



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.128)

iPod/iPhone
(Apple CarPlay*)

* : This function is not available in some countries or areas.

Overview

The iPod/iPhone control screen can be reached by the following methods:

- ▶ Using the audio control switch
 - 1** Press the “MEDIA” button.
- ▶ Using the Remote Touch
 - 1** Press the “MENU” button on the Remote Touch, then select “Audio”.
 - Connecting an iPod/iPhone (→P.127)

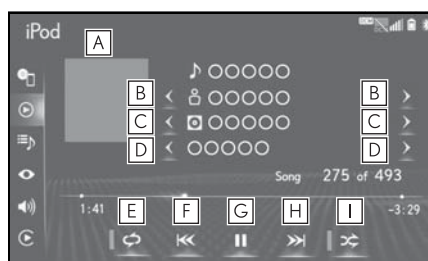
When an Android Auto connection is established, this function will be unavailable.*

* : This function is not available in some countries or areas.

4

Audio/visual system

Control screen



- A** Displays cover art
- B** Select to change the artist.*
- C** Select to change the album.*
- D** Select to change the playlist.*
- E** Select to set repeat playback.
(→P.148)
- F** Select to change the track.
Select and hold to fast rewind.
- G** Select to play/pause.
- H** Select to change the track.
Select and hold to fast forward.
- I** Select to set random playback.
(→P.148)

*: When an Apple CarPlay connection is established, this switch will not be displayed.

- Some functions may not be available depending on the type of model.

Repeating

The track currently being listened to can be repeated.

- 1 Select .

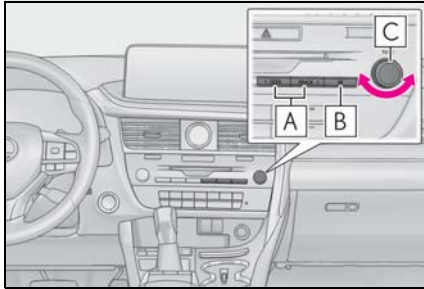
- Each time  is selected, the mode changes as follows:
 - ▶ When shuffle is off (iPhone 5 or later)
 - track repeat → album repeat → off
 - ▶ When shuffle is off (iPhone 4s or earlier)
 - track repeat → off
 - ▶ When shuffle is on
 - track repeat → off

Random order

Tracks or albums can be automatically and randomly selected.

- 1 Select .

- Each time  is selected, the mode changes as follows:
 - shuffle (1 album shuffle) → album shuffle
 - (all album shuffle) → off

Audio control switch

- A** Press to select a track.
Press and hold to fast forward/rewind.
- B** Press to pause/play.
- C** Turn to select a track.*
Turn to move up/down the list.

* : If equipped

- When an iPod/iPhone is connected using a genuine iPod/iPhone cable, the iPod/iPhone starts charging its battery.
- Depending on the iPod/iPhone, the video sound may not be able to be heard.
- Depending on the iPod/iPhone and the songs in the iPod/iPhone, a cover art may be displayed. This function can be changed to "On" or "Off". (→P.159) It may take time to display the cover art, and the iPod/iPhone may not be operated while the cover art display is in process.
- When an iPod/iPhone is connected and the audio source is changed to iPod/iPhone mode, the iPod/iPhone will resume playing from the same point it was last used.
- Depending on the iPod/iPhone that is connected to the system, certain functions may not be available.
- If an iPhone is connected via Bluetooth® and USB at the same time, system operation may become unstable. For known phone compatibility information, refer to <http://www.lexus.com/enform/>.

- Tracks selected by operating a connected iPod/iPhone may not be recognized or displayed properly.
- The system may not function properly if a conversion adapter is used to connect a device.

! WARNING

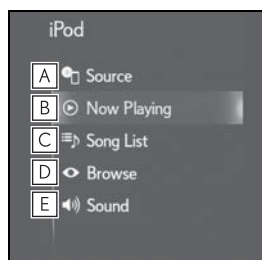
- Do not operate the player's controls or connect the iPod/iPhone while driving.

! NOTICE

- Depending on the size and shape of the iPod/iPhone that is connected to the system, the console box may not close fully. In this case, do not forcibly close the console box as this may damage the iPod/iPhone or the terminal, etc.
- Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.
- Do not push down on or apply unnecessary pressure to the portable player while it is connected as this may damage the portable player or its terminal.
- Do not insert foreign objects into the port as this may damage the portable player or its terminal.

Sub menu

- An Apple CarPlay connection is not established



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the sound setting screen. (→P.128)

- An Apple CarPlay connection is established



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display the sound setting screen. (→P.128)

- D** Select to display the Apple CarPlay screen.

Android Auto*

* : This function is not available in some countries or areas.

Overview

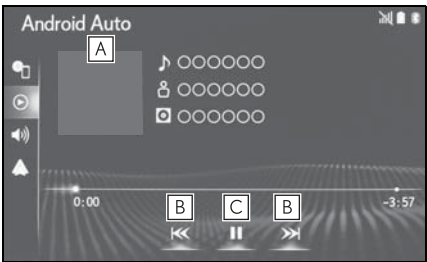
The Android Auto control screen can be reached by the following methods:

- ▶ Using the audio control switch
 - 1 Press the “MEDIA” button.
- ▶ Using the Remote Touch
 - 1 Press the “MENU” button on the Remote Touch, then select “Audio”.
- Connecting an Android device (→P.127)

When an Apple CarPlay connection is established, this function will be unavailable.*

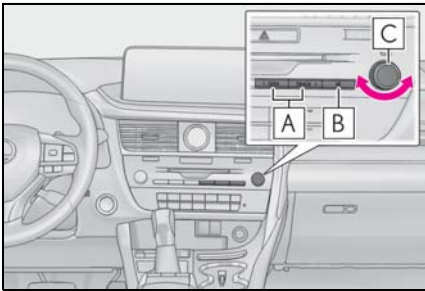
* : This function is not available in some countries or areas.

Control screen



- A** Displays cover art
- B** Select to change the track.
- C** Select to play/pause.

Audio control switch



- A** Press to select a track.
- B** Press to pause/play.
- C** Turn to select a track.



WARNING

- Do not operate the player’s controls or connect the smartphone while driving.



NOTICE

- Depending on the size and shape of the smartphone that is connected to the system, the console box may not close fully. In this case, do not forcibly close the console box as this may damage the smartphone or the terminal, etc.
- Do not leave your smartphone in the vehicle. In particular, high temperatures inside the vehicle may damage the smartphone.
- Do not push down on or apply unnecessary pressure to the smartphone while it is connected as this may damage the smartphone or its terminal.
- Do not insert foreign objects into the port as this may damage the smartphone or its terminal.

Sub menu



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display the sound setting screen. (→P.128)
- D** Select to display the Android Auto screen.

Bluetooth® audio

The Bluetooth® audio system enables users to enjoy listening to music that is played on a portable player on the vehicle speakers via wireless communication.

This audio/visual system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your device does not support Bluetooth®, the Bluetooth® audio system will not function.

Overview

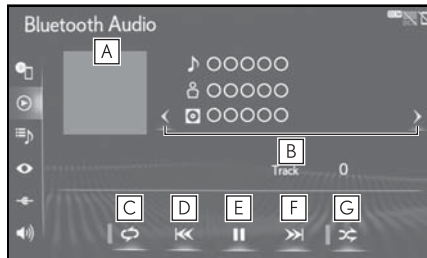
The Bluetooth® audio control screen can be reached by the following methods:

- ▶ Using the audio control switch
 - 1 Press the "MEDIA" button.
- ▶ Using the Remote Touch
 - 1 Press the "MENU" button on the Remote Touch, then select "Audio".
- Connecting a Bluetooth® audio device (→P.155)

When an Apple CarPlay/Android Auto connection is established, Bluetooth® audio will be suspended and become unavailable.*

* : This function is not available in some countries or areas.

Control screen



- A** Displays cover art
- B** Select to change the album.
- C** Select to set repeat playback.
(→P.153)
- D** Select to change the track.
Select and hold to fast rewind.
- E** Select to play/pause.
- F** Select to change the track.
Select and hold to fast forward.
- G** Select to set random playback.
(→P.153)

● Depending on the type of portable player connected, some functions may not be available and/or the screen may look differently than shown in this manual.

Repeating

The track or album currently being listened to can be repeated.

- 1 Select .

- Each time  is selected, the mode changes as follows:
 - ▶ When random playback is off
 - all repeat* → track repeat → album repeat → off
 - ▶ When random playback is on
 - all repeat* → track repeat → off
- * : If equipped

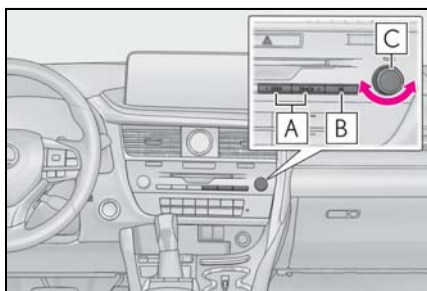
Random order

Tracks or albums can be automatically and randomly selected.

- 1 Select .

- Each time  is selected, the mode changes as follows:
 - random (1 album random) → album random (all album random) → off

Audio control switch



- A** Press to select a track.
Press and hold to fast forward/rewind.
- B** Press to pause/play.
- C** Turn to select a track.*
Turn to move up/down the list.

* : If equipped

- Depending on the Bluetooth® device that is connected to the system, the music may start playing when selecting while it is paused. Conversely, the music may pause when selecting while it is playing.
- In the following conditions, the system may not function:
 - The Bluetooth® device is turned off.
 - The Bluetooth® device is not connected.
 - The Bluetooth® device has a low battery.
- When using the Bluetooth® audio and Wi-Fi® Hotspot functions at the same time, the following problems may occur:
 - It may take longer than normal to connect to the Bluetooth® device.
 - The sound may cut out.
- It may take time to connect the phone when Bluetooth® audio is being played.
- For operating the portable player, see the instruction manual that comes with it.
- If the Bluetooth® device is disconnected due to poor reception from the Blue-

tooth® network when the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>, the system automatically reconnects the portable player.

- Bluetooth® device information is registered when the Bluetooth® device is connected to the Bluetooth® audio system. When selling or disposing of the vehicle, remove the Bluetooth® audio information from the system. (→P.71)
- In some situations, sound output via the Bluetooth® audio system may be out of sync with the connected device or output intermittently.

⚠ WARNING

- Do not operate the player's controls or connect to the Bluetooth® audio system while driving.
- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

NOTICE

● Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.

Connecting a Bluetooth® device

- To use the Bluetooth® audio system, it is necessary to register a Bluetooth® device with the system.
- ▶ Registering an additional device
 - 1 Press the “MENU” button on the Remote Touch.
 - 2 Select “Setup”.
 - 3 Select “Bluetooth” on the sub menu.
 - 4 Select “Add New Device”.
 - 5 For more information: →P.51
 - ▶ Selecting a registered device
 - 1 Select “Connect” on the sub menu.
 - 2 Select the device to be connected.

Sub menu



- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display a song list screen.
- D** Select to display the play mode selection screen.
- E** Select to display the portable device connection screen.
- F** Select to display the sound setting screen. (→P.128)

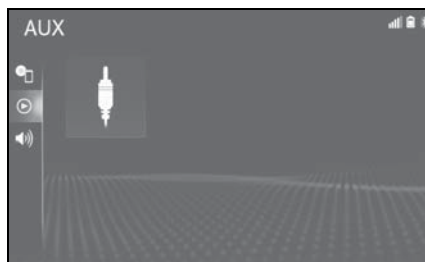
AUX

Overview

The AUX control screen can be reached by the following methods:

- ▶ Using the audio control switch
 - 1 Press the "MEDIA" button.
- ▶ Using the Remote Touch
 - 1 Press the "MENU" button on the Remote Touch, then select "Audio".
- Connecting a device to the AUX port (→P.127)

Control screen



! WARNING

- Do not connect portable audio device or operate the controls while driving.

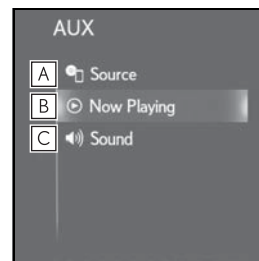
! NOTICE

- Depending on the size and shape of the portable audio device that is connected to the system, the console box may not close fully. In this case, do not forcibly close the console box as this may damage the portable audio device or the terminal, etc.
- Do not leave your portable player in the vehicle. In particular, high temperatures inside the vehicle may damage the portable player.

- Do not push down on or apply unnecessary pressure to the portable audio device while it is connected as this may damage the portable audio device or its terminal.

- Do not insert foreign objects into the port as this may damage the portable audio device or its terminal.

Sub menu

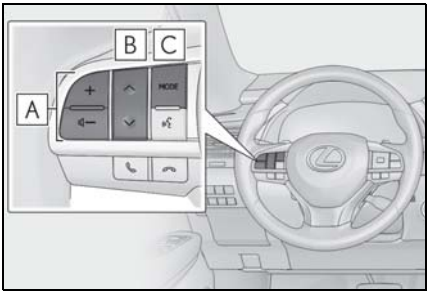


- A** Select to display the audio source selection screen. (→P.125)
- B** Select to return to the control screen.
- C** Select to display the sound setting screen. (→P.128)

Steering switches

Steering switch operation

Some parts of the audio/visual system can be adjusted using the switches on the steering wheel.



A Volume control switch

Mode	Operation/function
All	Press: Volume up/down
	Press and hold (0.8 sec. or more): Volume up/down continuously

B ^ v switch

Mode	Operation/function
AM/FM	Press: Preset channel up/down
	Press and hold (0.8 sec. or more): Seek up/down
	Press and hold (1.5 sec. or more): Seek up/down continuously while the switch is being pressed

Mode	Operation/function
SXM	Press: Preset channel up/down
	Press and hold (0.8 sec. or more): Seek for stations in the relevant program type/channel category
	Press and hold (1.5 sec. or more): Fast channel up/down
CD	Press: Track up/down
	Press and hold (0.8 sec. or more): Fast forward/rewind
MP3/WMA/AAC disc	Press: File up/down
	Press and hold (0.8 sec. or more): Fast forward/rewind
DVD ^{*1}	Press: Chapter up/down
	Press and hold (0.8 sec. or more): Fast forward/rewind
USB ^{*2,3}	Press: File/Track up/down
	Press and hold (0.8 sec. or more): Fast forward/rewind
iPod/iPhone ^{*3}	Press: Track up/down
	Press and hold (0.8 sec. or more): Fast forward/rewind
Android Auto ^{*2}	Press: Track up/down
Bluetooth [®] audio ^{*2,3}	Press: Track up/down
	Press and hold (0.8 sec. or more): Fast forward/rewind

*1: 12.3-inch display model

*2: When an Apple CarPlay connection is established, this function will be unavailable.

*3: When an Android Auto connection is established, this function will be unavailable.

able.

*4: When an Android Auto connection is established, this function will be unavailable.

● In the APPS mode, some operation may be done on the screen depend on the selected APPS.

C “MODE” switch

Mode	Operation/function
AM/FM/ SXM	Press: Change audio modes
	Press and hold (0.8 sec. or more): Mute *1 (Press and hold again to resume the sound.)
AUX	Press: Change audio modes
	Press and hold (0.8 sec. or more): Mute
CD, MP3/WMA/ AAC disc, DVD *2, USB *3,4, iPod/ iPhone *4, Android Auto *3, Blue- tooth® audio *3,4, APPS *3,4	Press: Change audio modes
	Press and hold (0.8 sec. or more): Pause

*1: If cached radio is enabled, pressing and holding the “MODE” switch pauses the broadcast. (Press and hold again to play back the cached radio program.)

*2: 12.3-inch display model

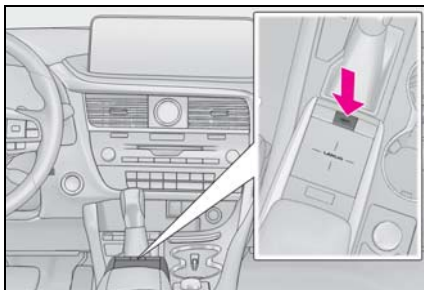
*3: When an Apple CarPlay connection is established, this function will be unavail-

Audio settings

Detailed audio settings can be programmed.

Displaying the audio settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select "Audio" on the sub menu.
- 4 Select the desired item to be set.

Audio settings screen

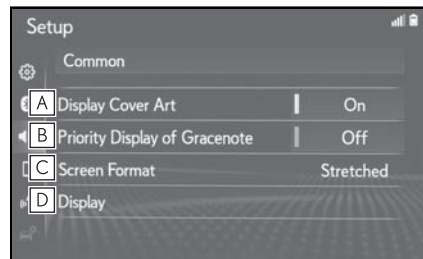
- Select to set the common settings. (→P.159)
- Select to set the radio settings. (→P.160)
- Select to set detailed DVD set-

tings. * (→P.161)

: 12.3-inch display model

Common settings

- 1 Display the audio settings screen:
 - "MENU" button → "Setup"
 - "Audio"
- 2 Select "Common".
- 3 Select the desired item to be set.



- Select to set the cover art display on/off.
- Select to prioritize the display of information from the Gracenote database.
- Select to change the screen size. * (→P.129)
- Select to display the image quality adjustment screen. * (→P.129)

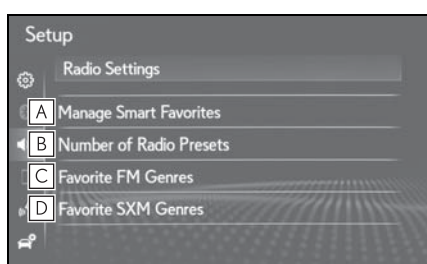
* : Only in DVD video (12.3-inch display model) or USB video mode.

4

Audio/visual system

Radio settings

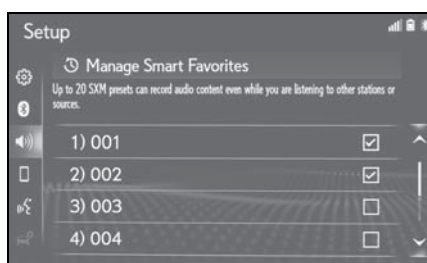
- 1 Display the audio settings screen:
 - “MENU” button → “Setup”
→  “Audio”
- 2 Select “Radio”.
- 3 Select the desired item to be set.



- A** Edit smart favorites. (→P.160)
- B** Select to change the number of preset radio stations displayed on the screen. (→P.160)
- C** Edit favorite FM genres. (→P.160)
- D** Edit favorite SXM genres. (→P.160)

Manage smart favorites

- 1 Select “Manage Smart Favorites”.
- 2 Select the desired channel to be set.

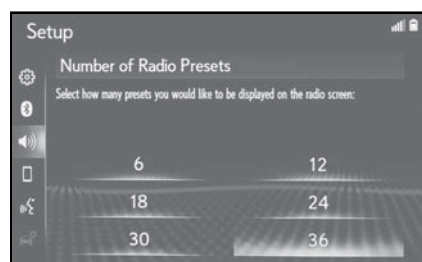


- Displays the registered preset channels.

- Up to 20 channels can be registered.

Setting the number of radio presets

- 1 Select “Number of Radio Presets”.
- 2 Select the button with the desired number to be displayed.



Favorite FM Genres

- 1 Select “Favorite FM Genres”.
- 2 Select the genre you want to change.
- 3 Select the genre you want to register.
- 4 Select “OK”.
- “Default”: Select to set the default genres.

- Up to 6 genres can be registered.

Favorite SXM Genres

- 1 Select “Favorite SXM Genres”.
- 2 Select the genre you want to change.
- 3 Select the genre you want to register.
- 4 Select “OK”.
- “Default”: Select to set the default genres.

- Up to 6 genres can be registered.

DVD settings*

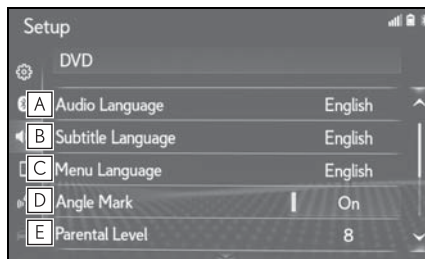
* : 12.3-inch display model

- 1 Display the audio settings screen:

- "MENU" button → "Setup"
→  "Audio"

- 2 Select "DVD".

- 3 Select the desired items to be set.



- A** Select to change the audio language. (→P.161)
- B** Select to change the subtitle language. (→P.161)
- C** Select to change the language of the DVD video menu. (→P.161)
- D** Select to set the angle mark on/off.
- E** Select to set the parental level. (→P.162)
- F** Select to set the auto start playback on/off.

Discs that are inserted while the vehicle is in motion will automatically start playing. Certain discs may not play.

- G** Select to set a dynamic range. (→P.162)

- H** Select to initialize all menus.

Audio language

- 1 Select "Audio Language".
 - 2 Select the desired language to be heard.
- If the desired language to be heard cannot be found on this screen, select "Other" and enter a language code. (→P.162)

Subtitle language

- 1 Select "Subtitle Language".
 - 2 Select the desired language to be read.
- If the desired language to be read cannot be found on this screen, select "Other" and enter a language code. (→P.162)

Menu language

- 1 Select "Menu Language".
 - 2 Select the desired language to be read.
- If the desired language to be read cannot be found on this screen, select "Other" and enter a language code. (→P.162)

Parental level

- 1** Select "Parental Level".
- 2** Enter the 4-digit personal code.
- 3** Select a parental level (1-8).

Sound dynamic range

The difference between the lowest volume and the highest volume can be adjusted.

- 1** Select "Sound Dynamic Range".
- 2** Select "MAX", "MID" or "MIN".

Enter audio/subtitle/menu language

If "Other" on the "Audio Language" screen, "Subtitle Language" screen or "Menu Language" screen is selected, the desired language to be heard or read can be selected by entering a language code.

- 1** Enter the 4-digit language code.
- 2** Select "OK".

Language codes list

Code	Language
0514	English
1001	Japanese
0618	French
0405	German
0920	Italian
0519	Spanish
2608	Chinese
1412	Dutch
1620	Portuguese
1922	Swedish
1821	Russian
1115	Korean
0512	Greek
0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Belorussian
0207	Bulgarian
0208	Bihari
0209	Bislama
0214	Bengali, Bangla

Code	Language
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican
0319	Czech
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish
0704	Scottish-Gaelic
0712	Galician
0714	Guarani
0721	Gujarati
0801	Hausa
0809	Hindi
0818	Croatian
0821	Hungarian
0825	Armenian
0901	Interlingua
0905	Interlingue
0911	Inupiak

Code	Language
0914	Indonesian
0919	Icelandic
0921	Inuktitut
0923	Hebrew
1009	Yiddish
1023	Javanese
1101	Georgian
1111	Kazakh
1112	Greenlandic
1113	Cambodian
1114	Kannada
1119	Kashmiri
1121	Kurdish
1125	Kirghiz
1201	Latin
1214	Lingala
1215	Laotian
1220	Lithuanian
1222	Latvian, Lettish
1307	Malagasy
1309	Maori
1311	Macedonian
1312	Malayalam
1314	Mongolian
1315	Moldavian
1318	Marathi
1319	Malay
1320	Maltese
1325	Burmese

Code	Language
1401	Nauru
1405	Nepali
1415	Norwegian
1503	Occitan
1513	(Afan) Oromo
1518	Oriya
1601	Punjabi
1612	Polish
1619	Pashto, Pushto
1721	Quechua
1813	Rhaeto-Romance
1814	Kirundi
1815	Romanian
1823	Kinyarwanda
1901	Sanskrit
1904	Sindhi
1907	Sango
1908	Serbo-Croatian
1909	Sinhalese
1911	Slovak
1912	Slovenian
1913	Samoa
1914	Shona
1915	Somali
1917	Albanian
1918	Serbian
1919	Siswati
1920	Sesotho
1921	Sundanese

Code	Language
1923	Swahili
2001	Tamil
2005	Telugu
2007	Tajik
2008	Thai
2009	Tigrinya
2011	Turkmen
2012	Tagalog
2014	Setswana
2015	Tongan
2018	Turkish
2019	Tsonga
2020	Tatar
2023	Twi
2107	Uighur
2111	Ukrainian
2118	Urdu
2126	Uzbek
2209	Vietnamese
2215	Volapük
2315	Wolof
2408	Xhosa
2515	Yoruba
2601	Zhuang
2621	Zulu

Operating information

- The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio/visual system which you are listening to. However, this does not indicate a malfunction.



NOTICE

- To avoid damage to the audio/visual system:
 - Be careful not to spill beverages over the audio/visual system.
 - Do not put anything other than an appropriate disc into the disc slot.

Radio

Usually, a problem with radio reception does not mean there is a problem with the radio—it is just the normal result of conditions outside the vehicle.

For example, nearby buildings and terrain can interfere with FM reception. Power lines or phone wires can interfere with AM signals. And of course, radio signals have a limited range. The farther the vehicle is from a station, the weaker its signal will be. In addition, reception conditions change constantly as the vehicle moves.

Here, some common reception problems that probably do not indicate a problem with the radio are described.

■ FM

Fading and drifting stations: Generally, the effective range of FM is about 25 miles (40 km). Once outside this range, you may notice fading and drifting, which increase with the distance

from the radio transmitter. They are often accompanied by distortion.

Multi-path: FM signals are reflective, making it possible for 2 signals to reach the vehicle's antenna at the same time. If this happens, the signals will cancel each other out, causing a momentary flutter or loss of reception.

Static and fluttering: These occur when signals are blocked by buildings, trees or other large objects. Increasing the bass level may reduce static and fluttering.

Station swapping: If the FM signal being listened to is interrupted or weakened, and there is another strong station nearby on the FM band, the radio may tune in the second station until the original signal can be picked up again.

■ AM

Fading: AM broadcasts are reflected by the upper atmosphere—especially at night. These reflected signals can interfere with those received directly from the radio station, causing the radio station to sound alternately strong and weak.

Station interference: When a reflected signal and a signal received directly from a radio station are very nearly the same frequency, they can interfere with each other, making it difficult to hear the broadcast.

Static: AM is easily affected by external sources of electrical noise, such as high tension power lines, lightening or electrical motors. This results in static.

■ SiriusXM

- Cargo loaded on the roof luggage carrier, especially metal objects, may adversely affect the reception of SiriusXM Satellite Radio.
- Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

CD/DVD player and disc

- This CD/DVD player is intended for use with 4.7 in. (12 cm). discs only.
- Extremely high temperatures can keep the CD/DVD player from working. On hot days, use the air conditioning system to cool the inside of the vehicle before using the player.
- Bumpy roads or other vibrations may make the CD/DVD player skip.
- If moisture gets into the CD/DVD player, the discs may not be able to be played. Remove the discs from the player and wait until it dries.



WARNING

- The CD/DVD player uses an invisible laser beam which could cause hazardous radiation exposure if directed outside the unit. Be sure to operate the player correctly.

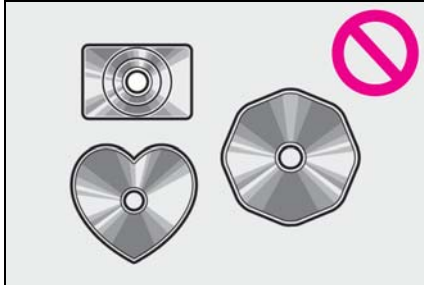
■ Discs that can be used

Audio CDs	   
DVD video discs *	
DVD-R/RW discs *	 

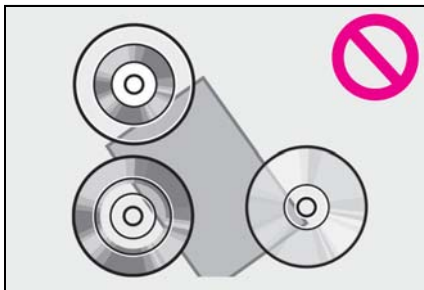
*: 12.3-inch display model

- "DVD logo" is a trademark of DVD Format/Logo Licensing Corporation.
- Use only discs marked as shown above. The following products may not be playable on your player:
 - SACD
 - dts CD
 - Copy-protected CD
 - DVD-Audio
 - Video CD
 - DVD-RAM

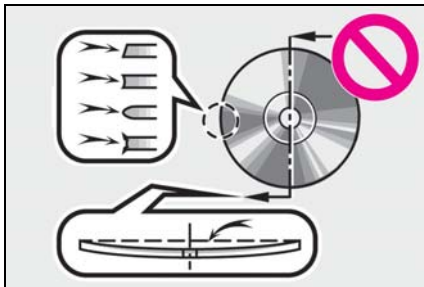
► Special shaped discs



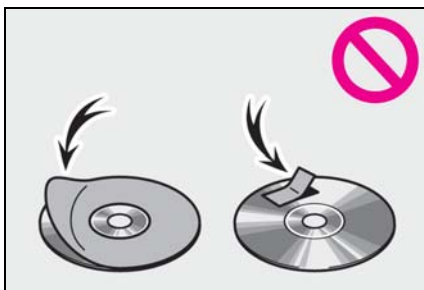
► Transparent/translucent discs



► Low quality discs



► Labeled discs

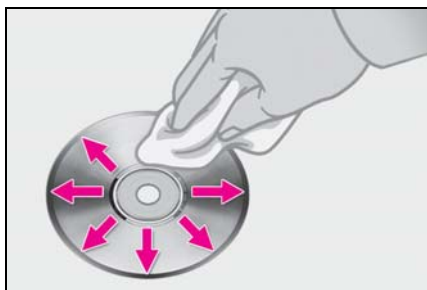


NOTICE

- Do not use special shaped, transparent/translucent, low quality or labeled discs such as those shown in the illustrations. The use of such discs may damage the player, or it may be impossible to eject the disc.
- This system is not designed for use of Dual Discs. Do not use Dual Discs because they may cause damage to the player.
- Do not use discs with a protection ring. The use of such discs may damage the player, or it may be impossible to eject the disc.
- Do not use printable discs. The use of such discs may damage the player, or it may be impossible to eject the disc.



- Handle discs carefully, especially when inserting them. Hold them on the edge and do not bend them. Avoid getting fingerprints on them, particularly on the shiny side.
- Dirt, scratches, warping, pin holes or other disc damage could cause the player to skip or to repeat a section of a track. (To see a pin hole, hold the disc up to the light.)
- Remove discs from the players when not in use. Store them in their plastic cases away from moisture, heat and direct sunlight.



To clean a disc: Wipe it with a soft, lint-free cloth that has been dampened with water. Wipe in a straight line from the center to the edge of the disc (not in circles). Dry it with another soft, lint-free cloth. Do not use a conventional record cleaner or anti-static device.

■ CD-R/RW and DVD-R/RW discs

- CD-R/CD-RW discs that have not been subject to the “finalizing process” (a process that allows discs to be played on a conventional CD player) cannot be played.
- It may not be possible to play CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. on the lens of the unit.
- It may not be possible to play discs recorded on a personal computer depending on the application settings and the environment. Record with the correct format. (For details, contact the appropriate application manufacturers of the applications.)
- CD-R/CD-RW discs may be damaged by direct exposure to sunlight, high temperatures or other storage conditions. The unit may be unable

to play some damaged discs.

- If you insert a CD-RW disc into the player, playback will begin more slowly than with a conventional CD or CD-R disc.
- Recordings on CD-R/CD-RW cannot be played using the DDCD (Double Density CD) system.

■ DVD video discs

This DVD player conforms to NTSC/PAL color TV formats. DVD video discs conforming to another format such as SECAM cannot be used.

Region codes: Some DVD video discs have the following region code indicating which countries the DVD video disc can be played in on this DVD player. If you attempt to play an inappropriate DVD video disc on this player, error message appears on the screen. Even if the DVD video disc does not have a region code, there are cases when it cannot be used.

Code	Country
ALL	All countries
1	North America

► Marks shown on DVD video discs

NTSC/PAL	Indicates NTSC/PAL format of color TV.
②	Indicates the number of audio tracks.

	Indicates the number of language subtitles.
	Indicates the number of angles.
 	Indicates the screen to be selected. Wide screen: 16:9 Standard: 4:3
 	Indicates a region code by which this video disc can be played. "ALL": in all countries Number: region code

■ DVD video disc glossary

DVD video discs: Digital Versatile Disc that holds video. DVD video discs have adopted "MPEG2", one of the world standards of digital compression technologies. The picture data is compressed by 1/40 on average and stored. Variable rate encoded technology in which the volume of data assigned to the picture is changed depending on the picture format has also been adopted. Audio data is stored using PCM and Dolby Digital, which enables higher quality of sound. Furthermore, multi-angle and multi-language features will also help users enjoy the more advanced technology of DVD video.

Viewer restrictions: This feature limits what can be viewed in conformity with

a level of restrictions of the country. The level of restrictions varies depending on the DVD video disc. Some DVD video discs cannot be played at all, or violent scenes are skipped or replaced with other scenes.

- Level 1: DVD video discs for children can be played.
- Level 2 - 7: DVD video discs for children and G-rated movie can be played.
- Level 8: All types of the DVD video discs can be played.

Multi-angle feature: The same scene can be enjoyed from different angles.

Multi-language feature: The subtitle and audio language can be selected.

Region codes: The region codes are provided on DVD players and DVD discs. If the DVD video disc does not have the same region code as the DVD player, you cannot play the disc on the DVD player. For region codes: (→P.168)

Audio: This DVD player can play linear PCM, Dolby Digital and MPEG audio format DVDs. Other decoded types cannot be played.

Title and chapter: Video and audio programs stored in DVD video discs are divided into parts by title and chapter.

Title: The largest unit of the video and audio programs stored on DVD video discs. Usually, one movie, one album, or one audio program is assigned as a title.

Chapter: A unit smaller than that of

title. A title comprises of several chapters.

■ Certification

► 12.3-inch display model

- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories.

► 8-inch display model

- Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories.

iPod/iPhone

■ Certification



► 12.3-inch display model

- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety

and regulatory standards. Please note that the use of this accessory with an Apple product may affect wireless performance.

- iPhone, iPod, iPod nano, iPod touch, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

► 8-inch display model

- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an Apple product may affect wireless performance.

- iPhone, iPod, iPod classic, iPod nano, iPod touch, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

■ Compatible models

► 12.3-inch display model

Made for

- iPhone X
- iPhone 8
- iPhone 8 Plus
- iPhone 7
- iPhone 7 Plus
- iPhone SE
- iPhone 6s
- iPhone 6s Plus
- iPhone 6

- iPhone 6 Plus
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPhone 4s
- iPod touch (6th generation)
- iPod touch (5th generation)
- iPod nano (7th generation)

► 8-inch display model

Made for

- iPhone X
- iPhone 8
- iPhone 8 Plus
- iPhone 7
- iPhone 7 Plus
- iPhone SE
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPod touch (6th generation)
- iPod touch (5th generation)

High-resolution sound source

This device supports high-resolution sound sources.

The definition of high-resolution is based on the standards of groups such as the CTA (Consumer Technology Association).

Supported formats and playable media are as follows.

■ Supported formats

WAV, FLAC, ALAC, OGG Vorbis

■ Playable media

USB memory

File information

Compatible USB devices

USB communication formats	USB 2.0 HS (480 Mbps)
File formats	FAT 16/32
Correspondence class	Mass storage class

Compatible audio format		Corresponding sampling frequency	
Compatible compressed files		File type	Frequency (kHz)
■ Compatible file format (audio)		MP3 files: MPEG 1 LAYER 3	32/44.1/48
USB	DISC	MP3 files: MPEG 2 LSF LAYER 3	16/22.05/24
MP3/WMA/AAC/ WAV(LPCM)/ FLAC/ALAC/ OGG Vorbis	MP3/WMA/AAC	WMA files: Ver. 7, 8, 9* ¹ (9.1/9.2)	32/44.1/48
■ Compatible file format (video)		AAC files: MPEG4/AAC-LC	11.025/12/16/ 22.05/24/32/ 44.1/48
USB	DISC	WAV (LPCM) files* ²	8/11.025/12/16/ 22.05/24/32/ 44.1/48/88.2/ 96/176.4/192
WMV/AVI/MP4/ M4V	—	FLAC* ²	8/11.025/12/16/ 22.05/24/32/ 44.1/48/88.2/ 96/176.4/192
■ Folders in the device		ALAC* ²	8/11.025/12/16/ 22.05/24/32/ 44.1/48/64/ 88.2/96
USB	DISC	OGG Vorbis* ²	8/11.025/16/ 22.05/32/44.1/ 48
Maximum 3000	Maximum 192		
■ Files in the device			
USB	DISC		
Maximum 9999	Maximum 255		
■ Files per folder			
USB	DISC		
Maximum 255	Maximum 999		

*¹: Only compatible with Windows Media Audio Standard

*²: Sound source of 48kHz or more is down-converted to 48kHz/24bit.

Corresponding bit rates *1

File type	Bit rate (kbps)
MP3 files: MPEG 1 LAYER 3	32 - 320
MP3 files: MPEG 2 LSF LAYER 3	8 - 160
WMA files: Ver. 7, 8	CBR 48 - 192
WMA files: Ver. 9*2 (9.1/9.2)	CBR 48 - 320
AAC files: MPEG4/AAC-LC	8 - 320
OGG Vorbis	32-500

*1: Variable Bit Rate (VBR) compatible

*2: Only compatible with Windows Media Audio Standard

File type	Quantization bit rate (bit)
WAV (LPCM) files	16/24
FLAC	
ALAC	

Compatible channel modes

File type	Channel mode
MP3 files	Stereo, joint stereo, dual channel and monaural
WMA files	2ch
AAC files	1ch, 2ch (Dual channel is not supported)
WAV (LPCM)/ FLAC/ALAC/ OGG Vorbis	2ch

- MP3 (MPEG Audio Layer 3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) are audio compression standards.

- This system can play MP3/WMA/AAC files on CD-R/CD-RW/DVD-R/DVD-RW discs and USB memory.

- This system can play disc recordings compatible with ISO 9660 level 1 and level 2 and with the Romeo and Joliet file system and UDF (2.01 or lower).

- When naming an MP3/WMA/AAC file, add an appropriate file extension (.mp3/.wma/.m4a).

- This system plays back files with .mp3/.wma/.m4a file extensions as MP3/WMA/AAC files respectively. To prevent noise and playback errors, use the appropriate file extension.

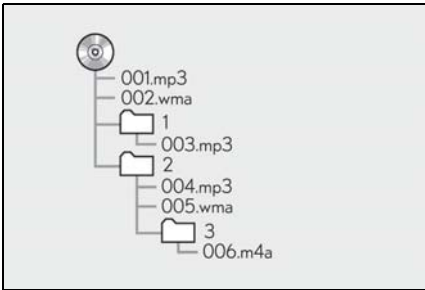
- This system can play only the first session/border when using multi session/border compatible discs.

- MP3 files are compatible with the ID3 Tag Ver. 1.0, Ver. 1.1, Ver. 2.2 and Ver. 2.3 formats. This system cannot display disc title, track title and artist name in other formats.

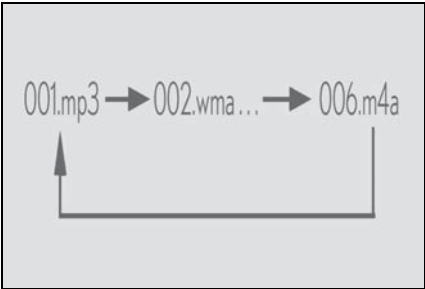
- WMA/AAC files can contain a WMA/AAC tag that is used in the same way as an ID3 tag. WMA/AAC tags carry information such as track title and artist name.

- The emphasis function is available only when playing MP3 files.

- This system can play back AAC files encoded by iTunes.
- The sound quality of MP3/WMA files generally improves with higher bit rates. In order to achieve a reasonable level of sound quality, discs recorded with a bit rate of at least 128 kbps are recommended.
- m3u playlists are not compatible with the audio player.
- MP3i (MP3 interactive) and MP3-PRO formats are not compatible with the audio player.
- The player is compatible with VBR (Variable Bit Rate).
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if the fast forward or reverse operations are used.
- It is not possible to check folders that do not include MP3/WMA/AAC files.
- MP3/WMA/AAC files in folders up to 8 levels deep can be played. However, the start of playback may be delayed when using discs containing numerous levels of folders. For this reason, we recommend creating discs with no more than 2 levels of folders.



- The play order of the compact disc with the structure shown above is as follows:



- The order changes depending on the personal computer and MP3/WMA/AAC encoding software you use.

Compatible video format	
Format	Codec
MPEG-4	Video codec: • H.264/MPEG-4 AVC • MPEG4 Audio codec: • AAC • MP3 Corresponding screen size: • MAX 1920×1080 Corresponding frame rate: • MAX 60i/30p

Format	Codec
AVI Container	Video codec: • H.264/MPEG-4 AVC • MPEG4 • WMV9 • WMV9 Advanced profile Audio codec: • AAC • MP3 • WMA9.2 (7,8,9.1,9.2) Corresponding screen size: • MAX 1920×1080 Corresponding frame rate: • MAX 60i/30p
Windows Media Video	Video codec: • WMV9 • WMV9 Advanced profile Audio codec: • WMA9.2 (7,8,9.1,9.2) Corresponding screen size: • MAX 1920×1080 Corresponding frame rate: • MAX 60i/30p

Terms

■ Packet write

- This is a general term that describes the process of writing data on-demand to CD-R, etc., in the same way that data is written to floppy or hard discs.

■ ID3 tag

- This is a method of embedding track-related information in an MP3 file. This embedded information can include the track number, track title, the artist's name, the album title, the music genre, the year of production, comments, cover art and other data. The contents can be freely edited using software with ID3 tag editing functions. Although the tags are restricted to a number of characters, the information can be viewed when the track is played back.

■ WMA tag

- WMA files can contain a WMA tag that is used in the same way as an ID3 tag. WMA tags carry information such as track title and artist name.

■ ISO 9660 format

- This is the international standard for the formatting of CD-ROM folders and files. For the ISO 9660 format, there are 2 levels of regulations.
- Level 1: The file name is in 8.3 format (8 character file names, with a 3 character file extension. File names must be composed of one-byte capital letters and numbers. The “_”

symbol may also be included.)

- Level 2: The file name can have up to 31 characters (including the separation mark "." and file extension). Each folder must contain fewer than 8 hierarchies.

■ MP3

- MP3 is an audio compression standard determined by a working group (MPEG) of the ISO (International Standard Organization). MP3 compresses audio data to about 1/10 the size of that on conventional discs.

■ WMA

- WMA (Windows Media Audio) is an audio compression format developed by Microsoft®. It compresses files into a size smaller than that of MP3 files. The decoding formats for WMA files are Ver. 7, 8 and 9.
- Trademark Acknowledgement
Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.
- This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, Inc.
- This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from

Microsoft.

■ AAC

- AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG2 and MPEG4.

Error messages**■ CD/DVD**

Message	Explanation
"Check Disc"	It indicates that the disc is dirty, damaged, or it was inserted upside down. Clean the disc or insert it correctly. It indicates a disc which is not playable is inserted.
"DISC Error"	There is a trouble inside the system. Eject the disc.
"Region Code Error"	It indicates that the DVD region code is not set properly.

■ USB

Message	Explanation
"USB Error"	This indicates a problem in the USB memory or its connection.
"No music files found."	This indicates that no compatible files are included in the USB memory.
"No video files found."	This indicates that no video files are included in the USB memory.

■ iPod

Message	Explanation
"iPod Error"	This indicates a problem in the iPod or its connection.
"No music files found."	This indicates that there is no music data in the iPod.
"Please check the iPod firmware version."	This indicates that the firmware version is not compatible. Perform the iPod firmware updates and try again.
"Unable to authorize the iPod."	This indicates that it failed to authorize the iPod. Please check your iPod.

■ Bluetooth® audio

Message	Explanation
"Music tracks not supported. Please check your portable player."	This indicates a problem in the Bluetooth® device.

- If the malfunction is not rectified, take your vehicle to your Lexus dealer.

Voice command system

5

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5

Voice command system

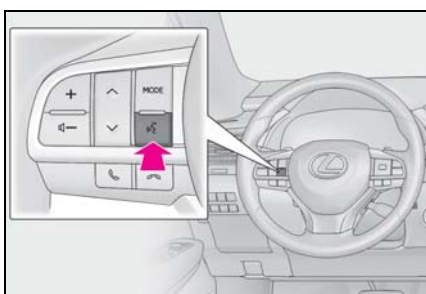
Voice command system

The voice command system enables the radio, phone dialing, etc. to be operated using voice commands. Refer to the command list for samples of voice commands. (→P.183)

Using the voice command system

■ Talk switch

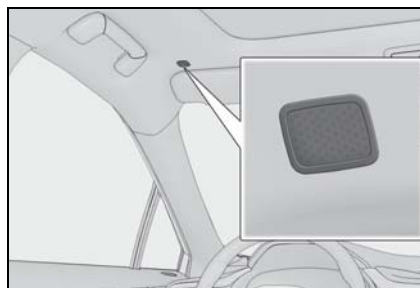
Press the talk switch to operate the voice command system.



- Voice command system:
 - Press the talk switch to start the voice command system. To cancel voice command, press and hold the talk switch.
- When an Apple CarPlay/Android Auto connection is established*:
 - Press and hold the talk switch to start Siri/Google Assistant. To cancel Siri/Google Assistant, press the talk switch.
 - Press the talk switch to start the voice command system.

*: This function is not available in some countries or areas.

■ Microphone



- It is unnecessary to speak directly into the microphone when giving a command.
-
- Voice commands may not be recognized if:
 - Spoken too quickly.
 - Spoken at a low or high volume.
 - The roof or windows are open.
 - Passengers are talking while voice commands are spoken.
 - The fan speed of the air conditioning system is set at high.
 - The air conditioning vents are turned towards the microphone.
 - In the following conditions, the system may not recognize the command properly and using voice commands may not be possible:
 - The command is incorrect or unclear. Note that certain words, accents or speech patterns may be difficult for the system to recognize.
 - There is excessive background noise, such as wind noise.
 - The timing of saying a command can be changed. If the voice prompt interrupt function is off, it is necessary to wait for a beep before saying a command. If it is on, you can talk over prompts and say commands before the beep. (→P.72)
 - This system may not operate immediately after the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>.

**NOTICE**

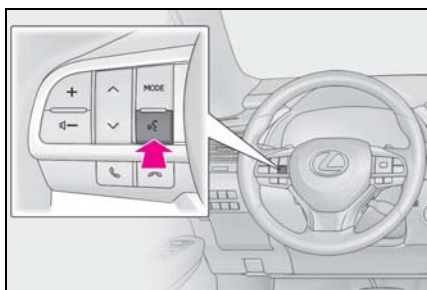
- Do not touch and put a sharp object to the microphone. It may cause failure.

Voice command system operation

The voice command system is operated by saying commands which correspond to a supported function. To display examples of commands for supported functions, select a function button on the screen after starting the voice command system.

Operation from the main menu

- 1 Press the talk switch.



- Voice guidance for the voice command system can be skipped by pressing the talk switch.
 - 2 If "Getting Started with Voice" screen is displayed, select "OK" or press the talk switch. (→P.182)
 - 3 After hearing a beep, say a supported command.
 - To display sample commands of the desired function, say the desired function or select the desired function button. To display more commands, select "More Commands".
 - Selecting "Help" or saying "Help" prompts the voice command system to offer examples of commands and operation methods.
 - Registered POIs, registered names in the contacts list etc., can be said in the place of the "<>" next to the commands. (→P.184)
- For example: Say "Find a restaurant", "Call John Smith" etc.
- If a desired outcome is not shown, or if no selections are available, say "Go back" to return to the previous screen.
 - To cancel voice recognition, select , say "Cancel", or press and hold the talk switch.
 - To perform the voice command operation again, select "Start Over" or say "Start over".
 - To suspend voice command operation, select "Pause" or say "Pause". To resume the voice command operation, select "Resume" or press the talk switch.
 - If the system does not respond or the confirmation screen does not disappear, press the talk switch and try again.
 - If a voice command cannot be recognized, voice guidance will say "Sorry, could you repeat that?" and voice command reception will restart.
 - If a voice command cannot be recognized 3 consecutive times, voice recognition will be canceled.
 - The amount of spoken feedback received from the system while using the voice command system (voice recognition prompts) can be changed on the voice

settings screen. (→P.72)

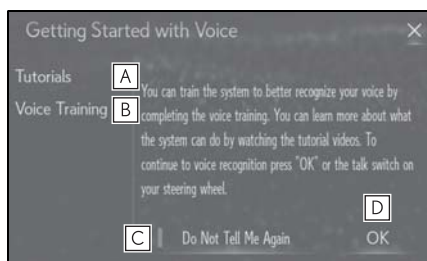
- Some voice guidance can be canceled by setting voice prompts to off. Use this setting when it is desirable to say a command immediately after pressing the talk switch and hearing a beep.

Increasing the voice recognition performance

To increase voice recognition performance, use the “Tutorials” and “Voice Training” functions on the “Getting Started with Voice” screen. These functions are only available when the vehicle is not moving.

The “Tutorials” and “Voice Training” functions can also be started on the voice settings screen. (→P.72)

- 1 Press the talk switch.
- 2 Select the desired item to be set.



- A Select to display the voice command tutorials.
- B Select to train the voice command system.

The user will be asked to say 10 sample phrases. This will help the voice command system adapt to the user's accent.

- C Select to prevent the screen from being displayed again.
- D Select to proceed to the voice command screen.

Dictation function (English only)*

- *: With navigation function. This function is not available in some countries or areas.

Text messages can be written using the dictation function.

To use the dictation function, a subscription to the Lexus Enform is necessary. Contact your Lexus dealer for details.

- 1 Select .



- 2 Speak to the system.

- Words recognized through your speech will be displayed. To confirm the entered text, select “OK”.

- A keyboard screen will not be displayed when the vehicle is being driven.
- Text message reply with the dictation function may not be available depending on the type of cellular phone.

Natural language understanding*

*: With navigation function. This function is not available in some countries or areas.

Due to natural language speech recognition technology, this system recognizes commands when spoken naturally. (If a Lexus Enform subscription has been entered, the system will be able to connect to the Lexus Enform center and the range of naturally spoken English which can be recognized will be increased.) However, the system cannot recognize every variation of each command. In some situations, it is possible to omit the command for the procedure and directly state the desired operation. Not all voice commands are displayed in the function menu.

To use this function, a subscription to the Lexus Enform is necessary. Contact your Lexus dealer for details.

Command list

Command list overview

Recognizable voice commands and their actions are shown below.

- Frequently used commands are listed in the following tables.
- For devices that are not installed to the vehicle, commands relating to that device may not be displayed on the screen. Also, depending on other conditions, such as compatibility, some commands may not be displayed on the screen.
- The functions available may vary according to the system installed.
- Voice recognition language can be changed. (→P.67)
- When an Apple CarPlay/Android Auto connection is established, some commands will become unavailable.

Command list**■ Common**

Command	Action
"Help"	Displays examples of some of the available commands
"Go Back"	Returns to the previous screen
"Cancel"	Cancels the voice command system
"Start over"	Returns to top menu screen
"Pause"	Temporarily pauses a voice session until it is resumed by pressing the talk switch again.

■ Top menu

Command	Action
"Show command examples for <menu>"	Displays the command list of the selected menu
"More Commands"	Displays more commonly used commands
"Voice Settings"	Displays Voice Setting screen
"Train my voice"	Displays Train Voice Recognition screen *

*: Vehicle must be parked

■ Navigation^{*1}

Command	Action
"Get directions to <house #, street, city, state>" ^{*2}	Enables setting a destination by saying the address ^{*3, 4}
"Find a <POI category> ^{*5} /POI name ^{*6} "	Displays a list of <POI category> ^{*5} /POI name ^{*6} near the current position
"Find a <POI> near my destination"	Displays a list of <POI> near the destination
"Find a <POI category> in a city" ^{*2}	Displays a list of <POI> in a specified city and state ^{*4}
"Go Home"	Displays the route to home
"Go to Favorite <1-10>"	Sets the location registered to the corresponding favorite number as the destination
"Show Recent Destinations"	Displays recent destinations. Selecting a number from the list will start navigation to the selected recent destination.
"Cancel Route"	Cancels the route guidance
"Delete destinations"	Displays a list of destination to delete ^{*7}

Command	Action
"Show <POI category> icons"	Displays the specified point of interest category ^{*5} icons on the map
"Destination Assist"	Connects the system to the Lexus response center

^{*1}: With navigation function

^{*2}: English and French only

^{*3}: Best recognition results occur when saying the full address without the zip-code

^{*4}: When the language is set to French, the supported area is only Quebec Province in Canada

^{*5}: For example; "Gas stations", "Restaurants", etc.

^{*6}: Major national brands are always supported. Local brands are also supported with a subscription to the Lexus Enform. Contact your Lexus dealer for details.

^{*7}: Used when multiple destinations are set on a route

■ Phone

Command	Action
"Call <contact>" [*]	Places a call to the specified contact from the phone book
"Call <contact> <phonetype>" [*]	Places a call to the specified phone type of the contact from the phone book
"Dial <phone number>"	Places a call to the specified phone number
"Redial"	Places a call to the phone number of the latest outgoing call
"Call Back"	Places a call to the phone number of latest incoming call
"Show Recent Calls"	Displays the call history screen
"Send a message to <contacts>"	Sends a text message to specified contact from the phone book

^{*}: If the system does not recognize the name of a contact, create a voice tag. (→P.268) The name of a contact can also be recognized by adding a voice tag.

■ While in a phone call

Command	Action
"Send <digits>"	Sends DTMF tones has specified
"Mute"	Mutes the microphone (far side cannot hear the conversation)
"Unmute"	Unmutes the microphone

■ While incoming message notification is displayed*

Command	Action
"Read Message"	Reads the incoming message over the vehicle speakers
"Ignore"	Ignores the incoming message notification
"Reply"	Initiates sending a reply to the incoming message
"Call"	Places a call to the phone number of incoming message

*: Full screen message notification must be turned on within the phone settings (→P.266)

■ Radio

Command	Action
"Tune to <frequency> AM"	Changes the radio to the specified AM frequency
"Tune to <frequency> FM"	Changes the radio to the specified FM frequency
"Play a <genre> station"	Changes the radio to an FM station of the specified genre * ¹
"Tune to preset <1-36>"	Changes the radio to the specified preset radio station
"Tune to a <genre> satellite station"	Changes the radio to a satellite radio channel of the specified genre * ²
"Tune to <satellite channel name>"	Changes the radio to the satellite radio channel with the specified name * ²
"Tune to channel <number> on XM"	Changes the radio to a satellite radio channel of the specified number * ²

*¹: A station list must be built first using the radio screen (→P.131)

*²: Requires a satellite radio subscription

■ Audio *

Command	Action
"Play Playlist <name>"	Plays tracks from the selected playlist
"Play Artist <name>"	Plays tracks from the selected artist

Command	Action
"Play Song <name>"	Plays the selected track
"Play Album <name>"	Plays tracks from the selected album
"Play Genre <name>"	Plays tracks from the selected genre
"Play Composer <name>"	Plays tracks from the selected composer
"Play Podcast <name>"	Plays tracks from the selected podcast
"Play Audiobook <name>"	Plays tracks from the selected audiobook
"Audio On"	Turns the audio/visual system on
"Audio Off"	Turns the audio/visual system off
"Change the audio source to <source name>"	Sets the source to the specified audio mode

*: The audio device must be connected via a USB cable to use the functionality in this section

■ Info *1

Command	Action
"Get the Forecast"	Displays weather information
"Get the Forecast for <city>"*2	Displays weather for the specified city
"Show Traffic"	Displays traffic information
"Show Traffic near here"	Displays traffic information near your current location

Command	Action
"Get traffic along my route"	Displays traffic information along your current route
"Show Traffic on this street"	Displays traffic information along road you are currently driving on
"Show Traffic for saved route"	Displays traffic information for a saved route
"Show Predictive Traffic"	Displays the predictive traffic map

*1: With navigation function

*2: Only major US cities are supported by voice

■ Apps

Command	Action
"Launch <apps>"*	Activates the Lexus Enform App Suite 2.0 application

*: When an application is opened and is in full screen mode, pressing the talk switch will start the voice command system and commands for the currently displayed application will be available

■ Climate

Command	Action
"Turn the AC on/Turn the AC off"	Turns air conditioning system on or off
"Change the Fan speed to <#>"	Changes the set fan speed of the air conditioning system to <#>
"Set temperature to <#> degrees"	Changes the set temperature of the air conditioning system to <#> degrees *
"Increase Temperature/Decrease Temperature"	Increases or decreases the temperature of the air conditioning system
"Increase Fan speed/Decrease Fan speed"	Increases or decreases the fan speed of the air conditioning system
"Show the front climate control screen"	Displays the screen to control the air conditioning or seat heating system

* : Only within the possible temperature range of the air conditioning system

- Commands relating to operation of the audio/visual and air conditioning systems can only be performed when the audio and air conditioning systems are turned on.

Mobile Assistant*

*: If equipped

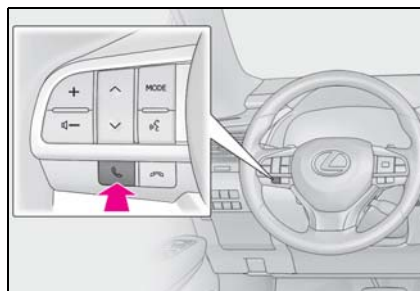
The Mobile Assistant function is a voice input assist function. Mobile Assist supports the Siri Eyes Free Mode and Google App. (Google App can be used only with the corresponding device.) Instructions can be spoken into the vehicle microphone as if speaking a command to the phone. The content of the request is then interpreted by the phone and the result is output from the vehicle speakers. To operate the Mobile Assistant, a compatible device must be registered and connected to this system via Bluetooth®. (→P.43)

Connectable devices and available functions

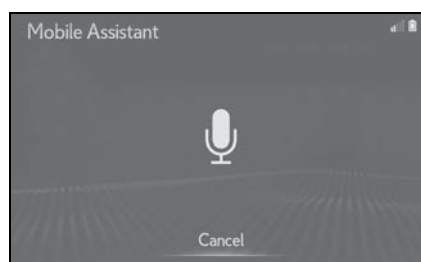
Mobile Assist supports the Siri Eyes Free Mode and Google App. The available features and functions may vary based on the iOS/Android version installed on the connected device.

Mobile Assistant operation

- 1 Press and hold the  switch on the steering wheel until Mobile Assistant screen is displayed.



- 2 Mobile Assistant can be used only when the following screen is displayed.



- To cancel the Mobile Assistant, select "Cancel" or press and hold the  switch on the steering wheel.
- To restart the Mobile Assistant for additional commands, press the  switch on the steering wheel.
- Mobile Assistant can only be restarted after the system responds to a voice command.
- After some phone and music commands, the Mobile Assistant feature will automatically end to complete the requested action.

- The volume of the Mobile Assistant can be adjusted using the “PWR•VOL” knob or steering wheel volume control switches. The Mobile Assistant and phone call volumes are synchronized.
-
- While a phone call is active, the Mobile Assistant cannot be used.
 - If using the navigation feature of the cellular phone, ensure the active audio source is Bluetooth® audio or iPod in order to hear turn by turn direction prompts.
 - Wait for the listening beeps before using the Mobile Assistant.
 - The Mobile Assistant may not recognize commands in the following situations:
 - Spoken too quickly.
 - Spoken at a low or high volume.
 - The roof or windows are open.
 - Passengers are talking while the Mobile Assistant is being used.
 - The fan speed of the air conditioning system is set at high.
 - The air conditioning vents are turned toward the microphone.

6-1. Information display

Receiving weather information 192

Data services settings..... 194

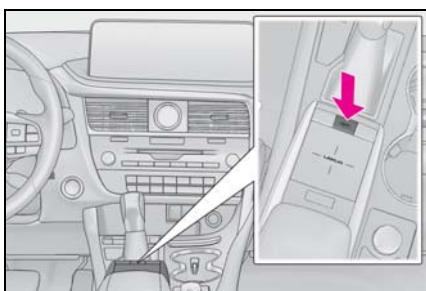
Receiving weather information*

*: With navigation

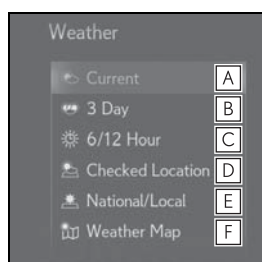
Weather information can be received via HD Radio broadcast or DCM (Data Communication Module).

Displaying weather screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Info".
- 3 Select  "Weather" on the sub menu.
- 4 Check that the weather screen is displayed.



- A Select to display the current weather information. (→P.193)
- B Select to display a 3-day weather

forecast for the currently displayed location. To view the details of a specific day, select the date.

- C Select to display the weather information for the next 6 hours and 12 hours. (This button is not displayed when a location is selected from the "National Cities" list of "National/Local".)
- D Select to display the weather of a desired location in the recently checked locations list.
- E Select to change the displayed weather location. A location can be selected from two different lists: a list of national cities and a list of local cities. (→P.193)
- F Select to display Doppler weather radar information over the map.

- This function is not available in some countries or areas.
- The weather for current location might not show the closest city when it first displays.
- The weather information is updated every 5 to 90 minutes. The time elapsed since the last update is displayed at the bottom right corner of the screen. If the weather has been updated less than 5 minutes ago, "Now" will be displayed.

Displaying weather information for the current location

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Info".
- 3 Select  "Weather" on the sub menu.
- 4 Select "Current".
- 5 Check the weather information for the current location.
- By selecting "3 Day" or "6/12 Hour", different types of weather information for the current location will be displayed.

Selecting a location

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Info".
- 3 Select  "Weather" on the sub menu.
- 4 Select "National/Local".
- 5 Select the desired item to be set.



- A** Select to display the list of National cities. When the list is displayed, select the desired area.
- B** Select to display the list of local cit-

ies.

- 6 Select the desired location from the list.
- After selecting a location, the current weather information will be displayed. By selecting "3 Day" or "6/12 Hour", the different type of weather information for the selected location is displayed.

Weather guidance service

When weather information for areas around the current position, destination, or along the set route is available, important information will be output through the speakers and a pop-up message asking if you would like to view the full weather information will be displayed.

- 1 Select "Yes" when the pop-up message appears.
- 2 Check that the weather information is displayed.
- The time since the information was last updated is displayed.
- When detailed audio weather information is available, an icon will be displayed on the weather map. Select the icon to listen to the weather information.

6

Information

Data services settings*

*: With navigation

Data service information, which is comprised of traffic information and weather information, can be received via HD Radio broadcast or DCM (Data Communication Module). The receiving method can be set to both or only via HD Radio broadcast.

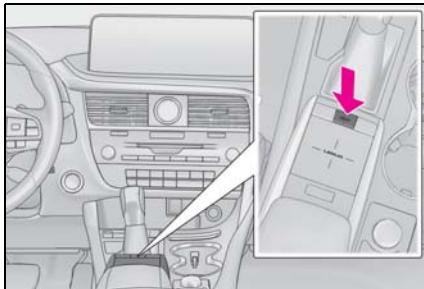
mation via both HD Radio broadcast and the DCM. When both methods are available, HD Radio broadcast will be selected.

- B** Select to receive data only via HD Radio broadcast.

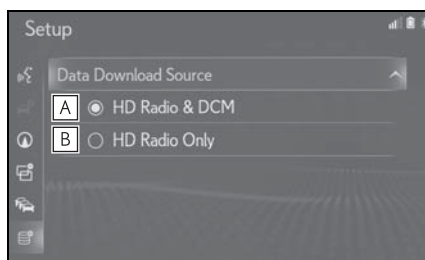
● This function is not available in some countries or areas.

Setting download methods

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Data Services" on the sub menu.
- 4 Select "Data Download Source".
- 5 Select the desired item to be set.



- A** Select to receive data service infor-

7-1. Lexus parking assist monitor

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7-2. Panoramic view monitor

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Lexus parking assist monitor*

*: If equipped

The parking assist monitor assists the driver by displaying an image of the view behind the vehicle while backing up, for example while parking.

When the display is changed to the wide rear view mode, a wider lateral view behind the vehicle will be displayed.

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

Driving precautions

The parking assist monitor is a supplemental device intended to assist the driver when backing up. When backing up, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle, and could possibly cause an accident.

Pay attention to the following precautions when using the parking assist monitor.

⚠ WARNING

- Never depend on the parking assist monitor entirely when backing up. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution, just as you would when backing up any vehicle.
- Be sure to back up slowly, depressing the brake pedal to control vehicle speed.
- If you seem likely to hit nearby vehicles, obstacles, people or mount the shoulder, depress the brake pedal to stop the vehicle.
- The instructions given are only guidelines. When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, etc. when parking. It is necessary to be fully aware of this before using the parking assist system.
- When parking, be sure to check that the parking space will accommodate your vehicle before maneuvering into it.
- Do not use the parking assist monitor in the following cases:
 - On icy or slick road surfaces, or in snow
 - When using tire chains or emergency tires
 - When the back door is not closed completely
 - On roads that are not flat or straight, such as curves or slopes
 - If the suspension has been modified or tires of a size other than specified are installed

⚠ WARNING

- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tire sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.203)

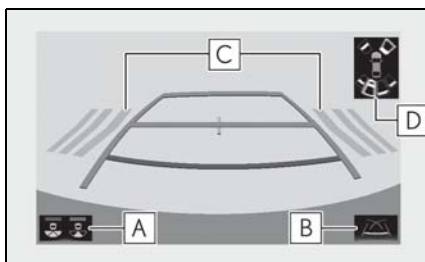
Screen display

The parking assist monitor screen will be displayed if the shift lever is shifted to the "R" while the engine switch <power switch> is in IGNITION ON mode <ON mode>.

Each time the display mode switching button is selected, the mode will change as follows:

► Rear view

Displays the rear view of the vehicle.



- A** Display mode switching button
Each time the button is selected, the rear view mode and the wide rear view mode

are switched.

B Guide line switching button

Select to switch the guide line mode.
(→P.198)

- Each time the button is selected, the display mode changes in the following order:

Estimated course line display mode →
Parking assist guide line display mode →
Distance guide line display mode.

C Rear Cross Traffic Alert*

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

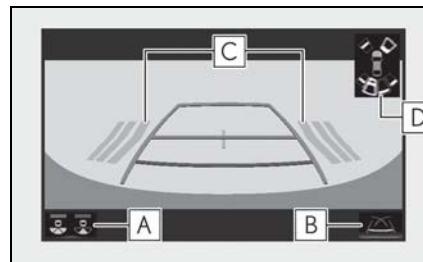
D Intuitive parking assist*

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

* : If equipped

► Wide rear view

Displays a near 180° image from the rear view camera.



- A** Display mode switching button
Each time the button is selected, the rear view mode and the wide rear view mode are switched.
- B** Guide line switching button
Select to switch the guide line mode.
(→P.198)
- Each time the button is selected, the display mode changes in the following

order:

Estimated course line display mode →
 Parking assist guide line display mode →
 Distance guide line display mode.

C Rear Cross Traffic Alert^{*}

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

D Intuitive parking assist^{*}

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

^{*}: If equipped

- For details about the Rear Cross Traffic Alert function and intuitive parking assist, refer to the "OWNER'S MANUAL".

! WARNING

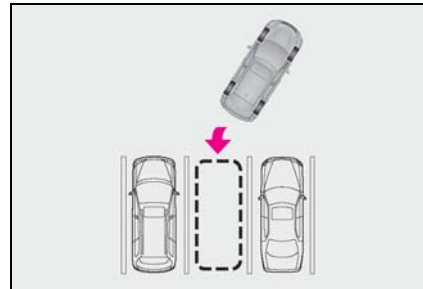
- As the Rear Cross Traffic Alert display is displayed over the camera view, it may be difficult to see the Rear Cross Traffic Alert display depending on the color and brightness of the surrounding area.

Canceling Lexus parking assist monitor

The parking assist monitor is canceled when the shift lever is shifted into any position other than the "R".

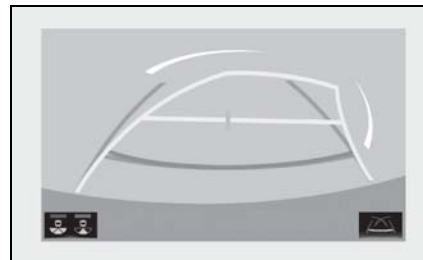
Using the system

Use any of the following modes.



- ▶ Estimated course line display mode (→P.199)

Estimated course lines are displayed which move in accordance with the operation of the steering wheel.



- ▶ Parking assist guide line display mode (→P.200)

The steering wheel return points (parking assist guide lines) are displayed.

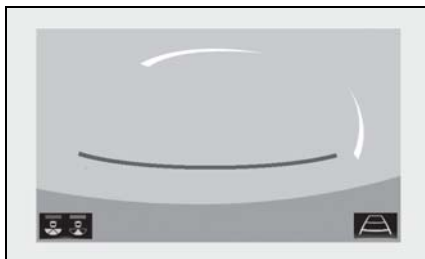
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.



- Distance guide line display mode (→P.201)

Distance guide lines only are displayed.

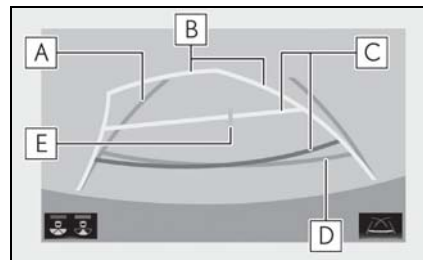
This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.



Estimated course line display mode

Screen description

- Rear view



A Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

B Estimated course lines

Show an estimated course when the steering wheel is turned.

C Distance guide lines

Show distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 1.5 ft. (0.5 m) (red) and approximately 3 ft. (1 m) (yellow) from the center of the edge of the vehicle.

D Distance guide line

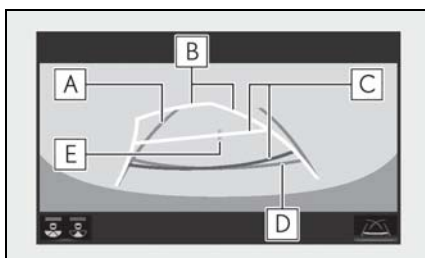
Shows distance behind the vehicle.

- Displays a point approximately 1.5 ft. (0.5 m) (blue) from the edge of the vehicle.

E Vehicle center guide line

Indicates the estimated vehicle center on the ground.

► Wide rear view

**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

B Estimated course lines

Show an estimated course when the steering wheel is turned.

C Distance guide lines

Show distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 1.5 ft. (0.5 m) (red) and approximately 3 ft. (1 m) (yellow) from the center of the edge of the vehicle.

D Distance guide line

Shows distance behind the vehicle.

- Displays a point approximately 1.5 ft. (0.5 m) (blue) from the edge of the vehicle.

E Vehicle center guide line

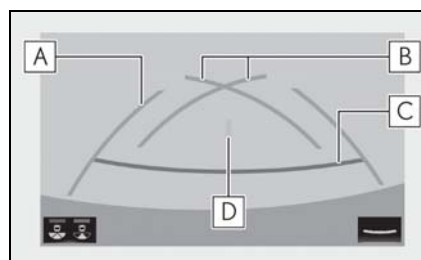
Indicates the estimated vehicle center on the ground.

**WARNING**

- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Lexus dealer.

Parking assist guide line display mode**Screen description**

► Rear view

**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

- The displayed width is wider than the actual vehicle width.

B Parking assist guide lines

Show the path of the smallest turn possible behind the vehicle.

C Distance guide line

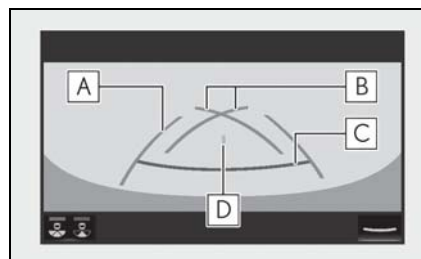
Shows distance behind the vehicle.

- Displays points approximately 1.5 ft. (0.5 m) (red) from the edge of the vehicle.

D Vehicle center guide line

Indicates the estimated vehicle center on the ground.

► Wide rear view

**A** Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

- The displayed width is wider than the actual vehicle width.

B Parking assist guide lines

Show the path of the smallest turn possible behind the vehicle.

C Distance guide line

Shows distance behind the vehicle.

- Displays points approximately 1.5 ft. (0.5 m) (red) from the edge of the vehicle.

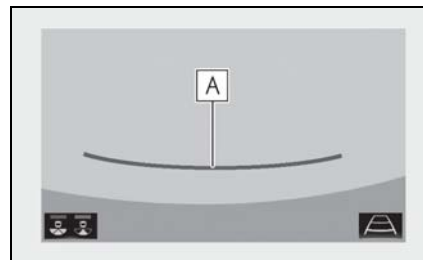
D Vehicle center guide line

Indicates the estimated vehicle center on the ground.

Distance guide line display mode

Screen description

► Rear view

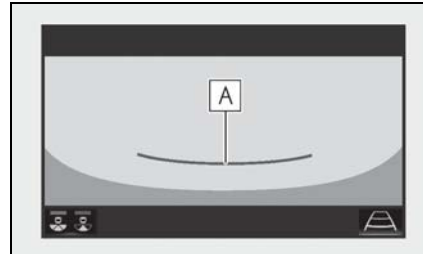


A Distance guide lines

Shows distance behind the vehicle.

- Displays points approximately 1.5 ft. (0.5 m) (red) from the edge of the vehicle.

► Wide rear view



A Distance guide lines

Shows distance behind the vehicle.

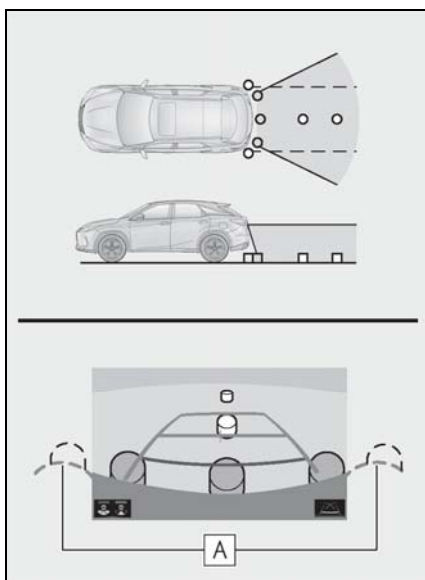
- Displays points approximately 1.5 ft. (0.5 m) (red) from the edge of the vehicle.

Lexus parking assist monitor precautions

Area displayed on screen

The parking assist monitor displays an image of the view from the bumper of the rear area of the vehicle.

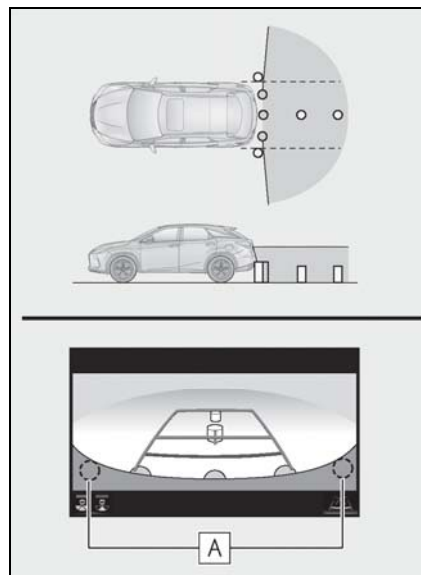
► Rear view



A Corners of bumper

- The area around both corners of the bumper will not be displayed.

► Wide rear view



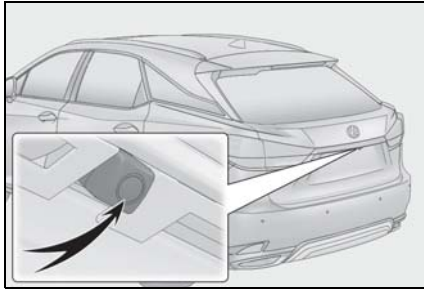
A Corners of bumper

- The area around both corners of the bumper will not be displayed.

- The image adjustment procedure for the parking assist monitor screen is the same as the procedure for adjusting the screen display. (→P.69)
- The area displayed on the screen may vary according to vehicle orientation conditions.
- Objects which are close to either corner of the bumper or under the bumper cannot be displayed.
- The camera uses a special lens. The distance of the image that appears on the screen differs from the actual distance.
- Items which are located higher than the camera may not be displayed on the monitor.

The camera

The camera for the parking assist monitor is located as shown in the illustration.



Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.



NOTICE

- The parking assist monitor may not operate properly in the following cases.
- If the back of the vehicle is hit, the position and mounting angle of the camera may change.
- As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
- When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.

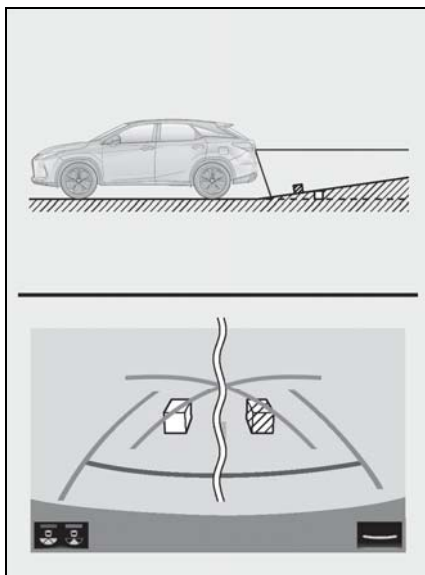
- Do not allow organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
- If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
- When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impact as this could cause a malfunction. If this happens, have the vehicle inspected by your Lexus dealer as soon as possible.

Differences between the screen and the actual road

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.
- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

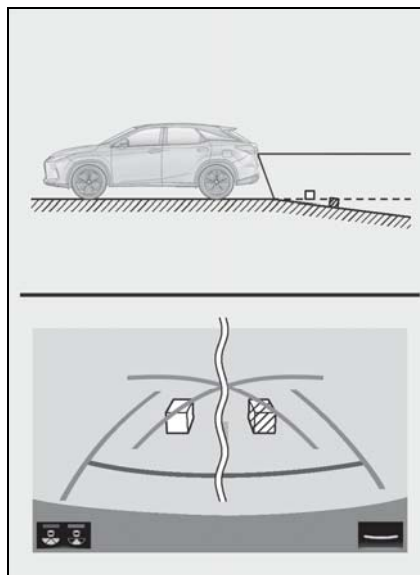
■ When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



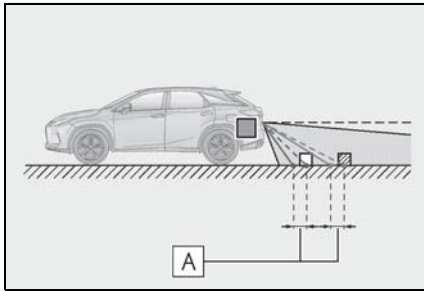
■ When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.



■ When any part of the vehicle sags

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



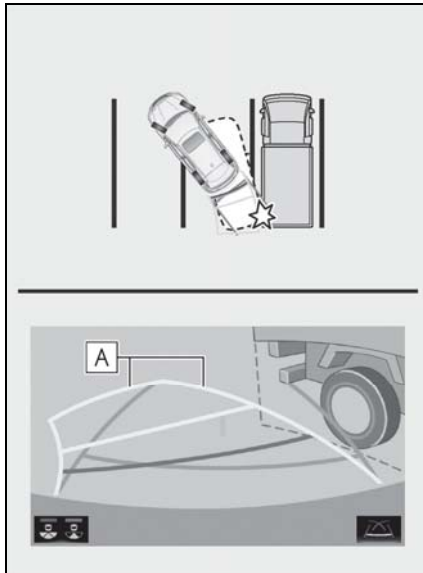
A A margin of error

When approaching three-dimensional objects

The estimated course lines target flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

■ Estimated course lines

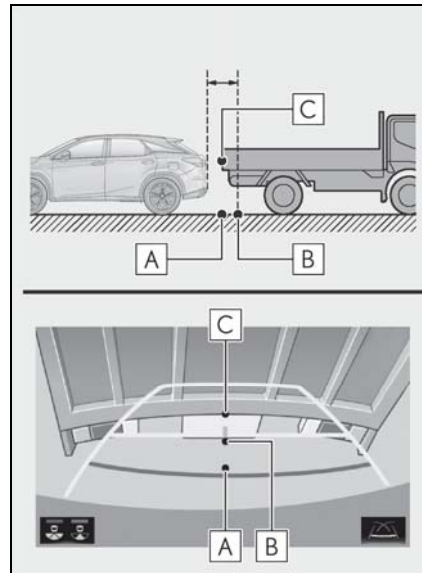
Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.



A Estimated course lines

■ Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.



Things you should know

If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Lexus dealer.

Symptom	Likely cause	Solution
The image is difficult to see	• The vehicle is in a dark area • The temperature around the lens is either high or low • The outside temperature is low • There are water droplets on the camera • It is raining or humid • Foreign matter (mud etc.) is adhering to the camera • Sunlight or headlights are shining directly into the camera • The vehicle is under fluorescent lights, sodium lights, mercury lights etc.	Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.) The procedure for adjusting the picture quality of the parking assist monitor is the same as the procedure for adjusting the screen display. (→P.69)
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Lexus dealer.
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Lexus dealer.
	• The vehicle is tilted (there is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.) • The vehicle is used on an incline.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.

Symptom	Likely cause	Solution
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Lexus dealer.
Guide lines are not displayed	The back door is open.	Close the back door. If this does not resolve the symptom, have the vehicle inspected by your Lexus dealer.
 is displayed	• 12-volt battery has been reinstalled. • The steering wheel has been moved while the 12-volt battery was being reinstalled. • 12-volt battery power is low. • The steering sensor has been reinstalled. • There is a malfunction in the signals being output by the steering sensor.	Stop the vehicle, and turn the steering wheel as far as it will go to the left and right. If this does not resolve the symptom, have the vehicle inspected by your Lexus dealer.

Panoramic view monitor*

*: If equipped

Panoramic view monitor assists the driver in viewing the surroundings, when operating at low speeds, by combining the front, side and rear cameras and displaying a complete vehicle overhead image on the screen.

When you press the camera switch or shift the shift lever to the "R" position while the engine switch <power switch> is in IGNITION ON mode <ON mode>, the panoramic view monitor operates.

The monitor displays various views of the position and surroundings of the vehicle.

- The screen illustrations used in this text are intended as examples, and may differ from the image that is actually displayed on the screen.

Driving precautions

The panoramic view monitor is a supplemental device intended to assist the driver when checking around the vehicle. When using, be sure to visually check all around the vehicle both directly and using the mirrors before proceeding. If you do not, you may hit another vehicle or possibly cause an accident.

Pay attention to the following precautions when using the panoramic view monitor.

⚠ WARNING

- Never depend on the panoramic view monitor entirely. The image and the position of the guide lines displayed on the screen may differ from the actual state. Use caution just as you would when driving any other vehicle.
- Always make sure to check all around the vehicle with your own eyes when driving.
- Never drive while looking only at the screen as the image on the screen is different from actual conditions. If you are driving while looking only at the screen, you may hit a person or an object, resulting in an accident. When driving, be sure to check the vehicle's surroundings with your own eyes and the vehicle's mirrors.
- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- Do not use the panoramic view monitor system in the following cases:
 - On icy or slick road surfaces, or in snow
 - When using tire chains or emergency tires
 - When the front door or the back door is not closed completely
 - On roads that are not flat or straight, such as curves or slopes
 - If the suspension has been modified or tires of a size other than specified are installed

**WARNING**

- In low temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may become unable to see the image on the screen. Be sure to visually check all around the vehicle both directly and using the mirrors before proceeding.
- If the tire sizes are changed, the position of the guide lines displayed on the screen may change.
- The camera uses a special lens. The distances between objects and pedestrians that appear in the image displayed on the screen will differ from the actual distances. (→P.239)

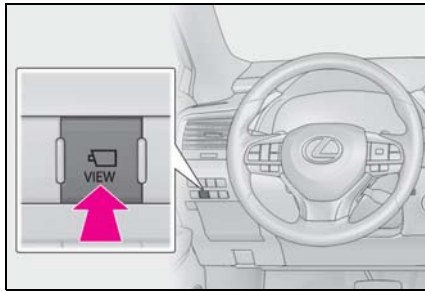
**NOTICE**

- In panoramic view/moving view/see-through view/Side Clearance View/Cornering View, the system combines images taken from the front, back, left and right side cameras into a single image. There are limits to the range and content that can be displayed. Familiarize yourself with the characteristics of the panoramic view monitor system before using it.
- Image clarity may decline at the four corners of the panoramic view/moving view/see-through view/Side Clearance View/Cornering View. However, this is not a malfunction, as these are the regions along the border of each camera image where the images are combined.
- Depending on lighting conditions near each of the cameras, bright and dark patches may appear on the panoramic view/moving view/see-through view/Side Clearance View/Cornering View.

- The panoramic view/moving view/see-through view/Side Clearance View/Cornering View display does not extend higher than the installation position and image capture range of each camera.
- There are blind spots around the vehicle. Accordingly, there are regions not displayed in panoramic view/moving view/see-through view/Side Clearance View/Cornering View.
- Three-dimensional objects displayed in wide front view, rear view or side view may not be displayed in panoramic view/moving view/see-through view/Side Clearance View/Cornering View.
- People and other three-dimensional obstacles may appear differently when displayed on the panoramic view monitor. (These differences include, among others, cases in which displayed objects appear to have fallen over, disappear near image processing areas, appear from image processing areas, or when the actual distance to an object differs from the displayed position.)
- When the back door, which is equipped with the back camera, or front doors, which are equipped with door mirrors that have built-in side cameras, are open, images will not be displayed properly on the panoramic view monitor.
- The vehicle icon displayed in panoramic view/moving view/see-through view/Side Clearance View/Cornering View is a computer generated image. Accordingly, properties such as the color, shape and size will differ from the actual vehicle. For this reason, nearby three-dimensional objects may appear to be touching the vehicle, and actual distances to three-dimensional objects may differ from those displayed.

Camera switch

The camera switch is located as shown in the illustration.



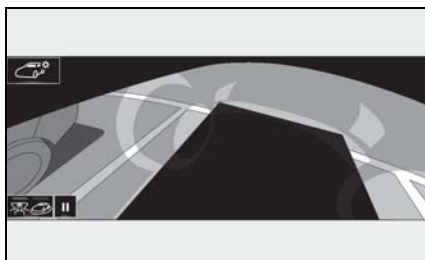
Display

Checking around the vehicle

- Moving view

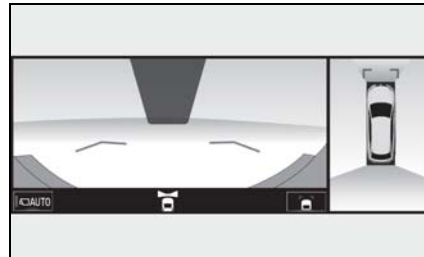


- See-through view



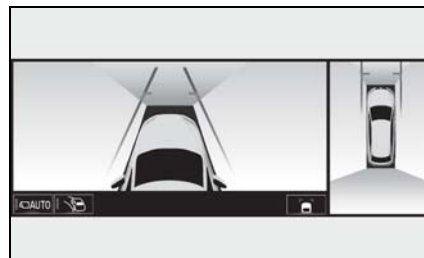
Checking the front and around the vehicle

- Wide front view & panoramic view



Checking the sides and around the vehicle

- Side Clearance View & panoramic view

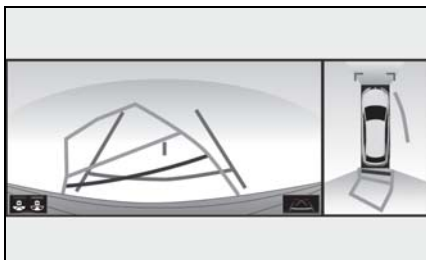


- Cornering View & panoramic view

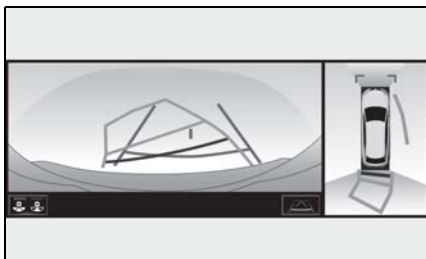


Checking the rear and around the vehicle

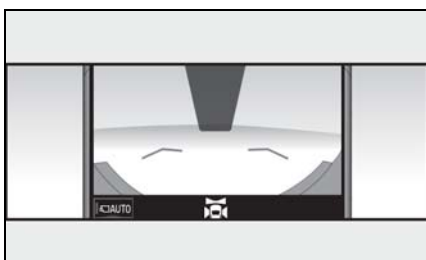
- ▶ Rear view & panoramic view



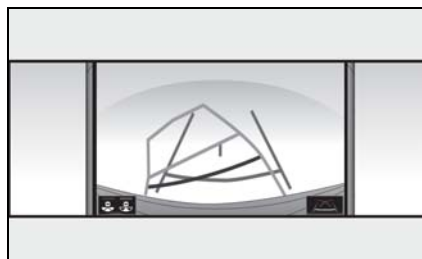
- ▶ Wide rear view & panoramic view

**When folding the outside rear view mirrors**

- ▶ Wide front view & side views



- ▶ Rear view & side views



- ▶ Wide rear view & side views

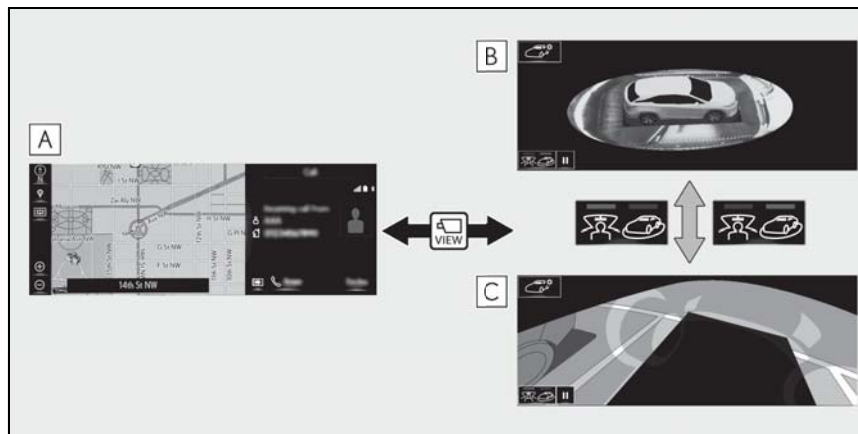


How to switch the display

When you press the camera switch or shift the shift lever to the “R” position while the engine switch <power switch> is in IGNITION ON mode <ON mode>, the panoramic view monitor operates.

The monitor displays various views of the position of the vehicle. (The following is an example)

When the shift lever is in the “P” position

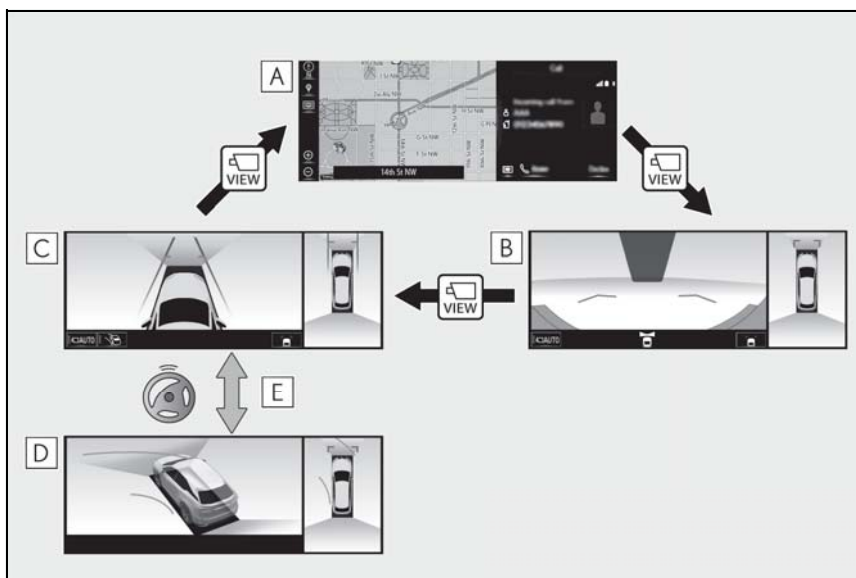


A Map screen, audio screen, etc.

B Moving view

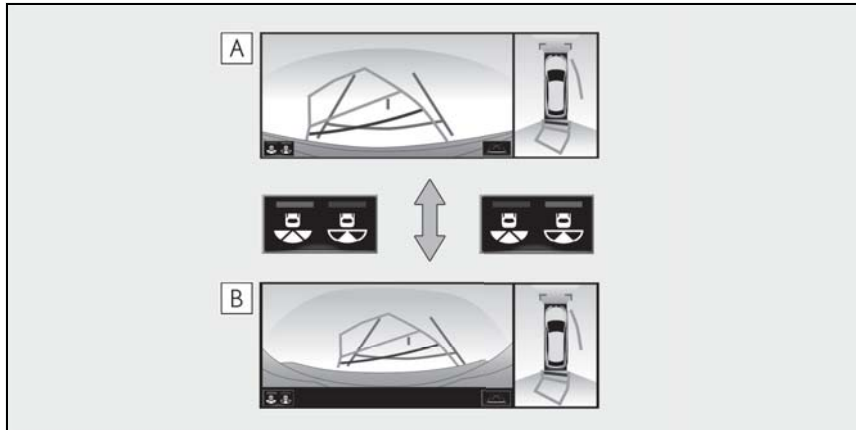
C See-through view

When the shift lever is in the "D" or "N" position



- A** Map screen, audio screen, etc.
- B** Wide front view & panoramic view
- C** Side Clearance View & panoramic view
- D** Cornering View & panoramic view
- E** When the steering wheel is turned by 180° or more from the center (straight-line) position

When the shift lever is in the "R" position



- A** Rear view & panoramic view
- B** Wide rear view & panoramic view

Checking around the vehicle

The moving view screen and the see-through view screen provide support when checking the areas of around the vehicle while parking. These screens display an image of the vicinity of the vehicle combined from the 4 cameras. The screen will display a 360° view around the vehicle from either inside the vehicle or from a birds-eye view at an angle.

To display the moving view/see-through view screen, press the camera switch when the shift lever is in the "P" position and the intuitive parking assist is enabled.

Screen display

► Moving view



A Display mode switching button

Select to change the display mode between the moving view and the see-through view.

B Rotation pause switch

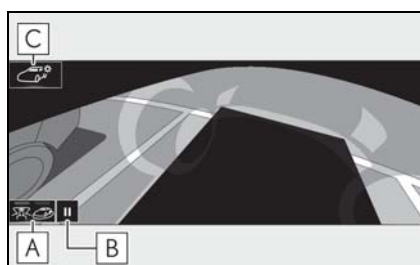
Select to pause the rotation of the screen.

To resume rotation, select .

C Body color setting switch

Select to display the body color setting screen and change the color of the vehicle displayed on the panoramic view monitor. (→P.233)

► See-through view



A Display mode switching button

Select to change the display mode between the moving view and the see-through view.

B Rotation pause switch

Select to pause the rotation of the screen.

To resume rotation, select .

C Body color setting switch

Select to display the body color setting screen and change the color of the vehicle displayed on the panoramic view monitor. (→P.233)

- Pressing the camera switch again changes the screen back to the previously displayed screen, such as the navigation screen.

Checking the front and around the vehicle

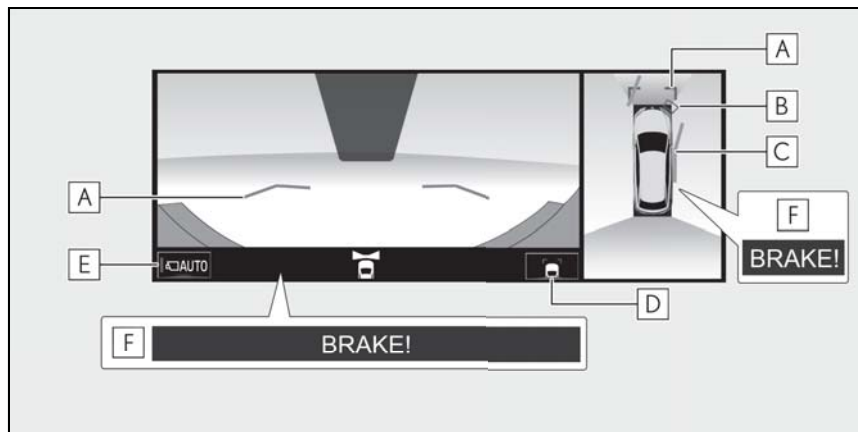
The wide front view & panoramic view screen provides support when checking the areas in front of the vehicle and around the vehicle when taking-off at T-intersections or other intersections during poor visibility.

To display the screen, press the camera switch when the shift lever is in the “N” or “D” position with the vehicle moving approximately 7 mph (12 km/h) or less.

This screen will be displayed if the intuitive parking assist detects an object in front of your vehicle (intuitive parking assist linked display).

Screen display

► Wide front view & panoramic view



A Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 3 ft. (1 m) from the edge of the vehicle.

B Intuitive parking assist

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

C Estimated course lines

Shows an estimated course when the steering wheel is turned.

- This line will be displayed when the steering wheel is turned by 90° or more from the center (straight-line) position.

D Guide line switching button

Select to change the guide line mode between the distance guide line mode and the esti-

mated course line mode. (→P.219)

E Automatic display button

Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.219)

F Parking Support Brake

When the system determines that the possibility of a frontal collision with a detected object is high, a warning message is displayed.

- Pressing the camera switch changes the screen to the Side Clearance View & panoramic view screen or previously displayed screen, such as the navigation screen.
- For details about the intuitive parking assist and Parking Support Brake function, refer to the "OWNER'S MANUAL".



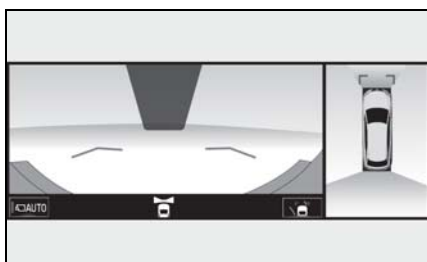
WARNING

- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the intuitive parking assist display is displayed over the camera view, it may be difficult to see the intuitive parking assist display depending on the color and brightness of the surrounding area.

Switching the guide line mode

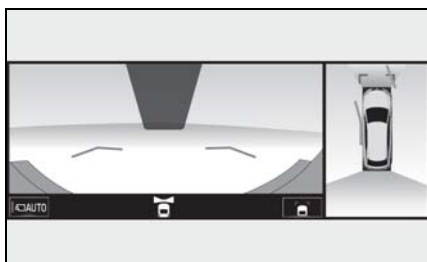
Each time the guide line switching button is selected, the mode will change as follows:

► Distance guide line



- Only the distance guide lines are displayed.

► Estimated course line



- Estimated course lines will be added to the distance guide lines.

Automatic display mode

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:

- When the shift lever is shifted to "N" or "D" position.
- When vehicle speed is reduced to approximately 6 mph (10 km/h) or less.

Checking the sides of the vehicle

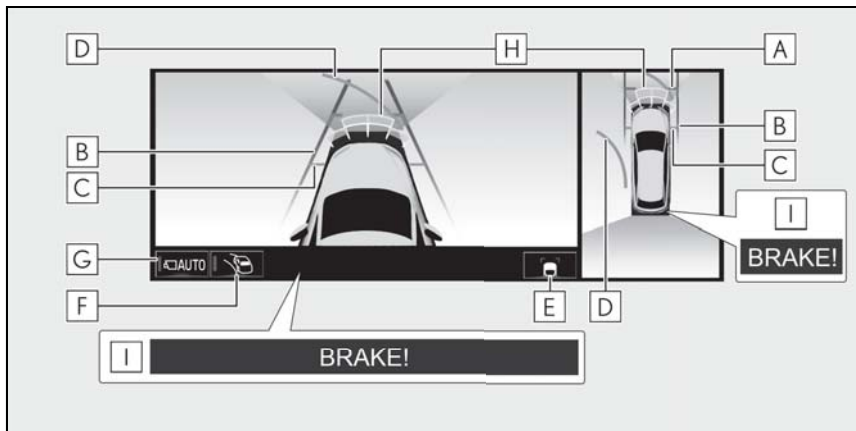
The Side Clearance View & panoramic view screen/Cornering View & panoramic view screen provide support to check the areas around the sides of the vehicle when driving on a narrow road.

To display the Side Clearance View & panoramic view screen, press the camera switch repeatedly when the shift lever is in the "N" or "D" position with the vehicle moving approximately 7 mph (12 km/h) or less.

The Cornering View & panoramic view screen will be displayed when the steering wheel is turned by 180° or more from the center (straight-line) position when automatic display mode of the Cornering View display is enabled. When the turning angle of the steering wheel becomes 45° or less from the center position, the screen will return to the Side Clearance View & panoramic view screen.

Screen display

► Side Clearance View & panoramic view



A Distance guide lines

Show distance in front of the vehicle.

- Display points approximately 3 ft. (1 m) from the edge of the vehicle.

B Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

C Front tire guide lines

Shows guide lines of where the front tire touches the ground.

D Estimated course lines

Shows an estimated course when the steering wheel is turned.

- This line will be displayed when the steering wheel is turned by 90° or more from the center (straight-line) position.

E Guide line switching button

Select to change the guide line mode between the distance guide line mode and the estimated course line mode. (→P.219)

F Automatic display button of Cornering View

Select to turn automatic display mode of Cornering View on/off. The indicator on the button illuminates during automatic display mode of Cornering View. (→P.223)

G Automatic display button

Select to turn automatic display mode on/off. The indicator on the button illuminates during automatic display mode. (→P.223)

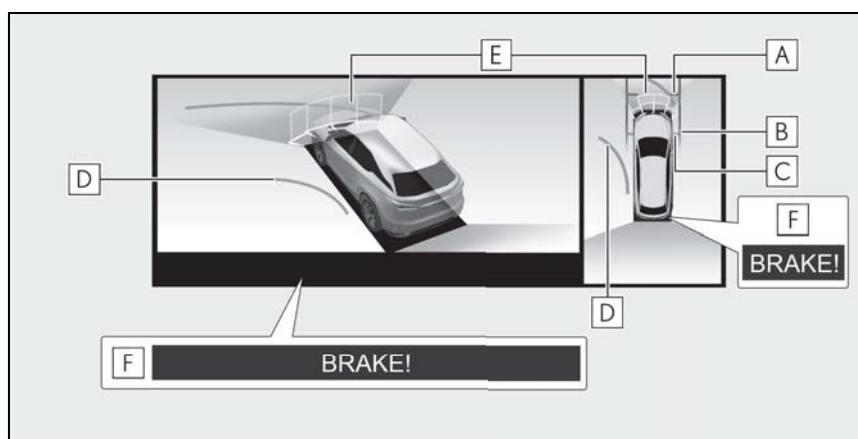
H Intuitive parking assist

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

I Parking Support Brake

When the system determines that the possibility of a collision with a detected object is high, a warning message is displayed.

► Cornering View & panoramic view

**A** Distance guide lines

Show distance in front of the vehicle.

- Display points approximately 3 ft. (1 m) from the edge of the vehicle.

B Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

C Front tire guide lines

Shows guide lines of where the front tire touches the ground.

D Estimated course lines

Shows an estimated course when the steering wheel is turned.

- This line will be displayed when the steering wheel is turned by 90° or more from the center (straight-line) position.

E Intuitive parking assist

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

F Parking Support Brake

When the system determines that the possibility of a collision with a detected object is high, a warning message is displayed.

-
- Pressing the camera switch changes the screen to the wide front view & panoramic view screen or previously displayed screen, such as the navigation screen.
 - For details about the intuitive parking assist and Parking Support Brake function, refer to the "OWNER'S MANUAL".

**WARNING**

- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.
- As the intuitive parking assist display is displayed over the camera view, it may be difficult to see the intuitive parking assist display depending on the color and brightness of the surrounding area.

Automatic display mode

In addition to screen switching by operating the camera switch, automatic display mode is available. In this mode, the screen is switched automatically in response to vehicle speed.

In automatic display mode, the monitor will automatically display images in the following situations:

- When the shift lever is shifted to “N” or “D” position.
- When vehicle speed is reduced to approximately 6 mph (10 km/h) or less.

Automatic display mode of Cornering View

When automatic display mode of the Cornering View display is enabled, the screen will change automatically between the Side Clearance View and Cornering View depending on the turning angle of the steering wheel.

Each time  is selected, automatic display mode of the Cornering View display is enabled/disabled.

In automatic display mode of Cornering View, the monitor will automatically display Cornering View images in the following situations:

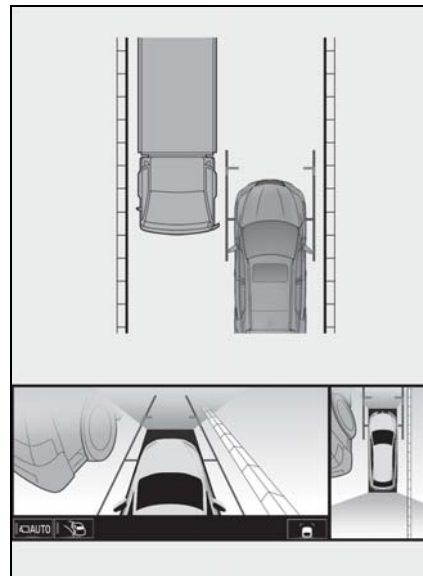
- When the shift lever is shifted to “N” or “D” position.
- When vehicle speed is reduced to approximately 7 mph (12 km/h) or less.
- When the steering wheel is turned

by 180° or more from the center (straight-line) position.

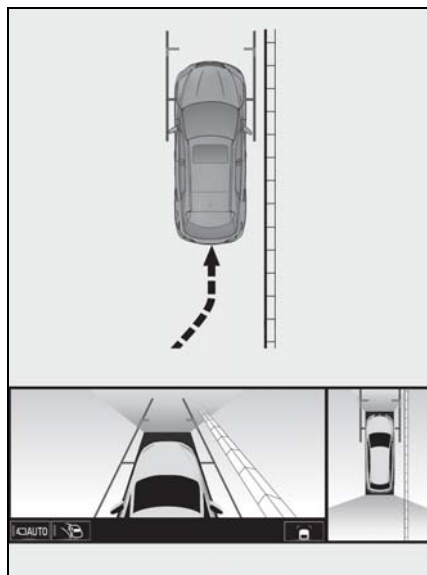
Cornering View images will disappear when the turning angle of the steering wheel becomes 45° or less from the center (straight-line) position.

Using the vehicle width guide line

- ▶ Side Clearance View & panoramic view



- Check the positions and distance between the vehicle width guide line and a target object such as the obstacle or curb of the road.



- Pull over to the curb as shown in the illustration above, taking care not to let the vehicle width guide line overlap the target object.
- Ensure that the vehicle width guide line is parallel to the target object.

Using the estimated course line

► Cornering View & panoramic view



- Check the positions and distance between the inner estimated course line and a target object such as the obstacle or curb of the road.
- Take care not to let the estimated course line overlap the target object.

Checking the rear and around the vehicle

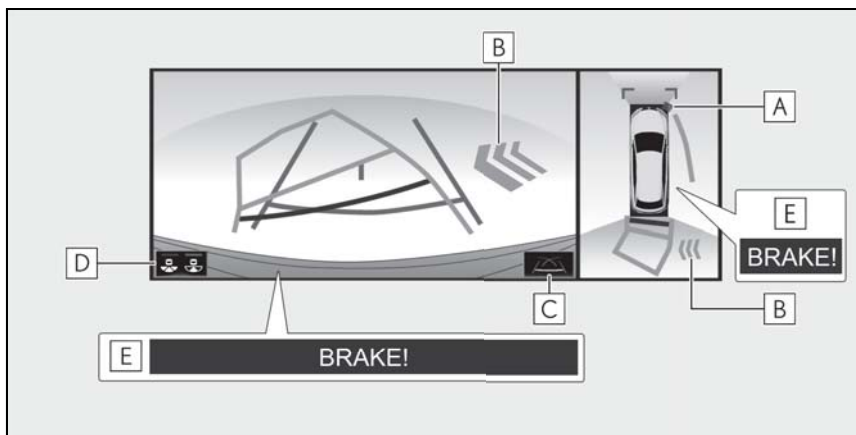
The rear view & panoramic view/wide rear view & panoramic view screen provide support when checking the areas of behind the vehicle and around the vehicle while backing up, for example while parking.

The screens will be displayed when the shift lever is in the "R" position.

Screen display

Each time the display mode switching button is selected, the mode will change as follows:

- Rear view & panoramic view



A Intuitive parking assist

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

B Rear Cross Traffic Alert

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

C Guide line switching button

Select to switch the guide line mode. (→P.227)

D Display mode switching button

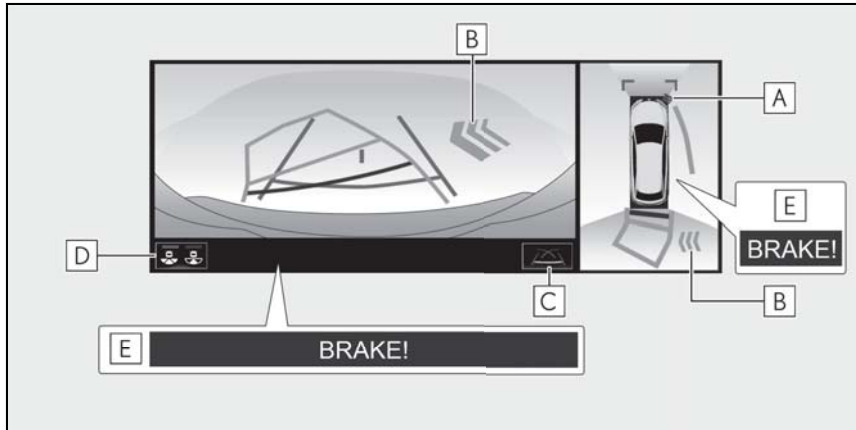
Each time the display mode switching button is selected, the mode will change between the rear view & panoramic view mode and the wide rear view & panoramic view mode.

E Parking Support Brake

When the system determines that the possibility of a collision with a detected object is high,

a warning message is displayed.

► Wide rear view & panoramic view



A Intuitive parking assist

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

B Rear Cross Traffic Alert

When a sensor detects an obstacle, the direction of obstacle is displayed and the buzzer sounds.

C Guide line switching button

Select to switch the guide line mode. (→P.227)

D Display mode switching button

Each time the display mode switching button is selected, the mode will change between the rear view & panoramic view mode and the wide rear view & panoramic view mode.

E Parking Support Brake

When the system determines that the possibility of a collision with a detected object is high, a warning message is displayed.

- The monitor is cancelled when the shift lever is shifted into any position other than the "R" position.
- For details about the intuitive parking assist, Rear Cross Traffic Alert function and Parking Support Brake function, refer to the "OWNER'S MANUAL".

! WARNING

- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

**WARNING**

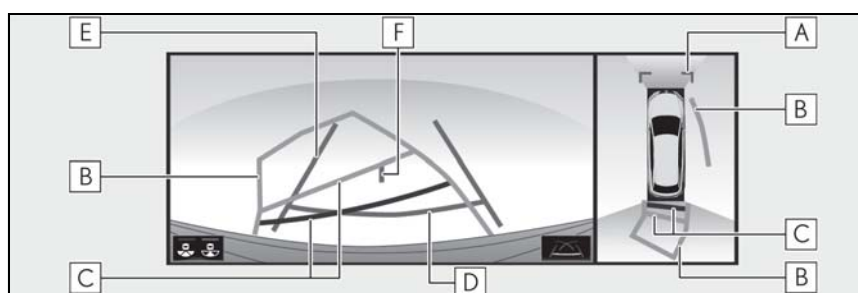
- As the intuitive parking assist display and Rear Cross Traffic Alert display are displayed over the camera view, it may be difficult to see the intuitive parking assist display and Rear Cross Traffic Alert display depending on the color and brightness of the surrounding area.

Guide lines displayed on the screen

Each time the guide line switching button is selected, the mode will change as follows:

► Estimated course line

Estimated course lines are displayed which move in accordance with the operation of the steering wheel.

**A** Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 3 ft. (1 m) from the edge of the vehicle.

B Estimated course lines

Shows an estimated course when the steering wheel is turned.

C Distance guide lines

Shows the distance behind the vehicle when the steering wheel is turned.

- The guide lines move in conjunction with the estimated course lines.
- The guide lines display points approximately 1.5 ft. (0.5 m) (red) and approximately 3 ft. (1 m) (yellow) from the center of the edge of the vehicle.

D Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 1.5 ft. (0.5 m) (red*) from the edge of the vehicle.

E Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

F Vehicle center guide line

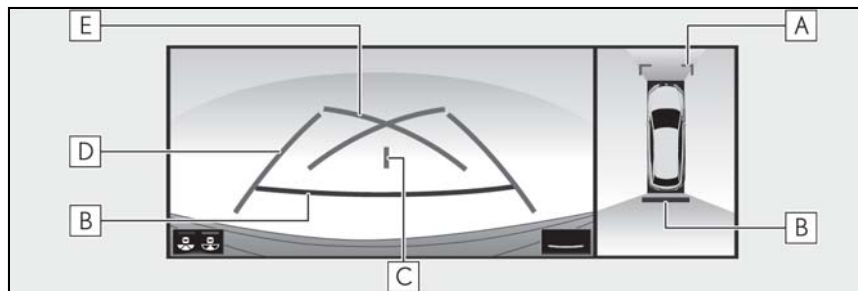
Indicates the estimated vehicle center on the ground.

* : In estimated course line mode, the line will turn blue.

► Parking assist guide line

The steering wheel return points (parking assist guide lines) are displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the estimated course lines.



A Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 3 ft. (1 m) from the edge of the vehicle.

B Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 1.5 ft. (0.5 m) (red*) from the edge of the vehicle.

C Vehicle center guide line

Indicates the estimated vehicle center on the ground.

D Vehicle width guide lines

Displays a guide path when the vehicle is being backed straight up.

E Parking assist guide lines

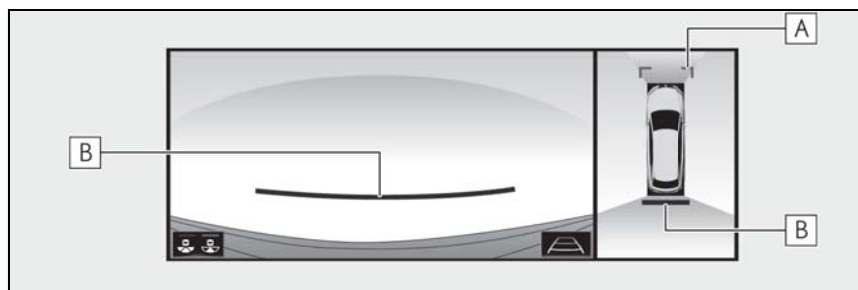
Shows the path of the smallest turn possible behind the vehicle.

* : In estimated course line mode, the line will turn blue.

► Distance guide line

Only distance guide line is displayed.

This mode is recommended for those who are comfortable with parking the vehicle without the aid of the guide lines.



A Distance guide lines

Shows distance in front of the vehicle.

- Display points approximately 3 ft. (1 m) from the edge of the vehicle.

B Distance guide line

Shows the distance behind the vehicle.

- Displays a point approximately 1.5 ft. (0.5 m) (red^{*}) from the edge of the vehicle.

^{*}: In estimated course line mode, the line will turn blue.



WARNING

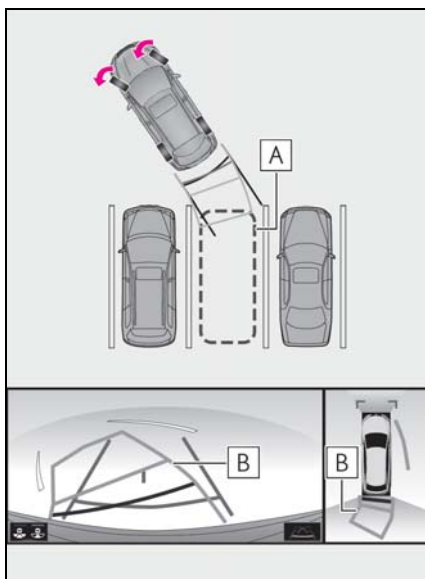
- Depending on the circumstances of the vehicle (number of passengers, amount of luggage, etc.), the position of the guide lines displayed on the screen may change. Be sure to check visually around the vehicle before proceeding.
- If the steering wheel is straight and the vehicle width guide lines and the estimated course lines are not in alignment, have the vehicle inspected by your Lexus dealer.
- Do not use the system if the display is incorrect due to an uneven (hilly) road or a non-straight (curvy) road.

Parking

Using the estimated course line

When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

- 1 Shift the shift lever to the "R" position.
- 2 Turn the steering wheel so that the estimated course lines are within the parking space, and back up slowly.

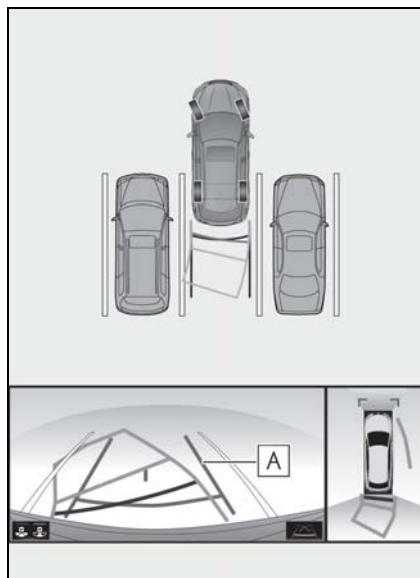


A Parking space

B Estimated course lines

- 3 When the rear position of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are within

the left and right dividing lines of the parking space.



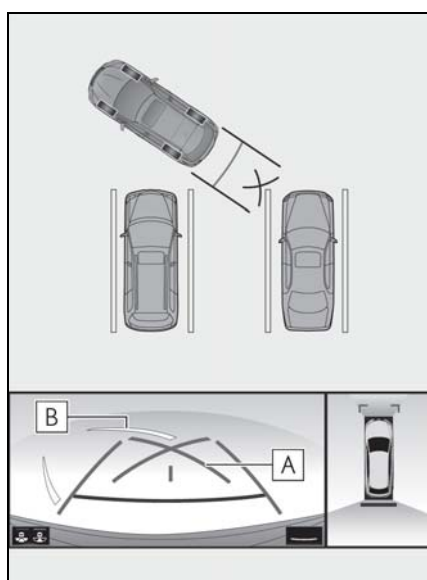
A Vehicle width guide line

- 4 Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.
- 5 Stop the vehicle in an appropriate place, and finish parking.

Using parking assist guide line

When parking in a space which is in the reverse direction to the space described in the procedure below, the steering directions will be reversed.

- 1 Shift the shift lever to the "R" position.
- 2 Back up until the parking assist guide line meets the edge of the dividing line of the parking space.



A Parking assist guide line

B Parking space dividing line

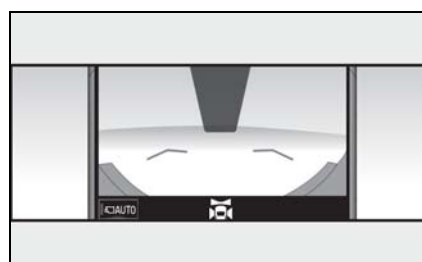
- 3 Turn the steering wheel all the way to the left, and back up slowly.
- 4 Once the vehicle is parallel with the parking space, straighten the steering wheel and back up slowly until the vehicle has completely entered the parking space.
- 5 Stop the vehicle in an appropriate place, and finish parking.

When folding the outside rear view mirrors

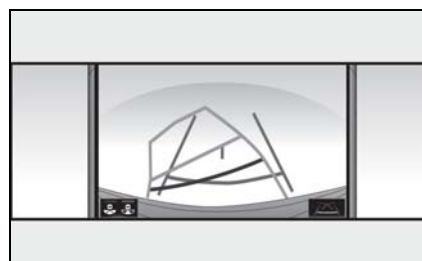
Even when outside rear view mirrors are stored, the monitor can display various images of the vicinity of the vehicle and assist the operation in the confirming safe conditions in a narrow places, parking, etc.

Screen display

- Wide front view & side views



- Rear view & side views



- Wide rear view & side views



- For details about the front view and the rear view: →P.217, 225

**WARNING**

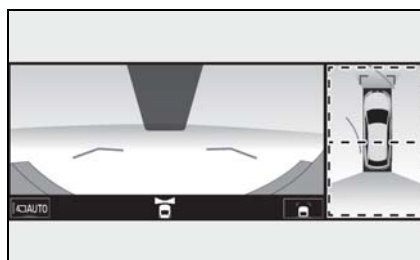
- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

Magnifying function

If displayed objects are too small to see clearly when the panoramic view is displayed, the area around the front side or rear side of the vehicle can be magnified.

Magnifying the display

- 1 Turn the intuitive parking assist on.
- 2 Select the area on the panoramic view display you wish to magnify.



- Selecting one of the 2 areas within the dotted lines will magnify that area. (Dotted lines are not displayed on the actual display.)
- To return to the normal view, select the panoramic view display again.

- The magnifying function is enabled when all of the following conditions are met:
 - The wide front view & panoramic view/Side Clearance View & panoramic view/rear view & panoramic view/wide rear view & panoramic view is displayed.
 - The vehicle speed is below approximately 7 mph (12 km/h).
 - The intuitive parking assist is available.
- In the following situations, the magnified display will be canceled automatically:
 - The vehicle speed is approximately 7 mph (12 km/h) or higher.
 - The intuitive parking assist is unavailable.

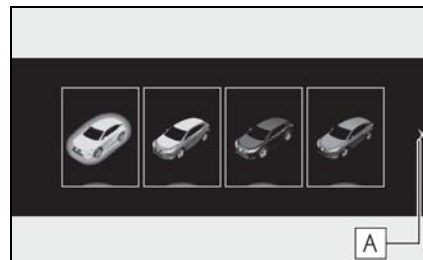
- When the display is magnified, the guide lines will not be displayed.

Customizing the panoramic view monitor

The color of the vehicle displayed on the panoramic view monitor can be changed.

Changing the body color displayed in the panoramic view monitor

- 1 Display the moving view/see-through view screen. (→P.216)
- 2 Select .
- 3 Select the desired color.



A Displays the next page

7

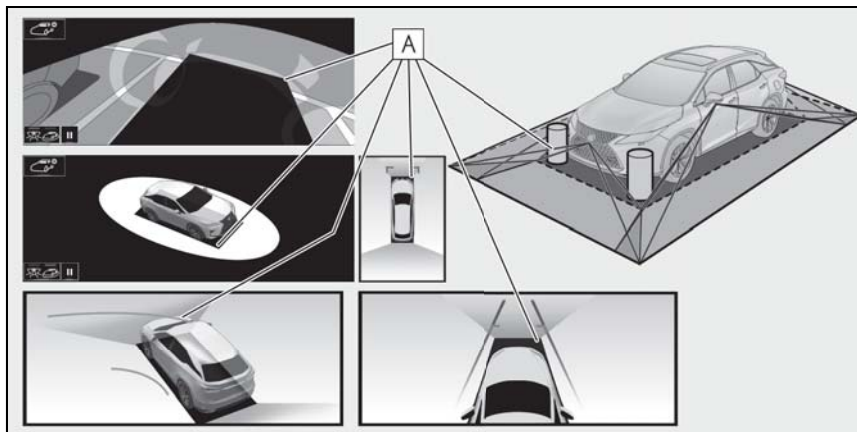
Peripheral monitoring system

Panoramic view monitor precautions**Area displayed on screen****Area of image of panoramic view**

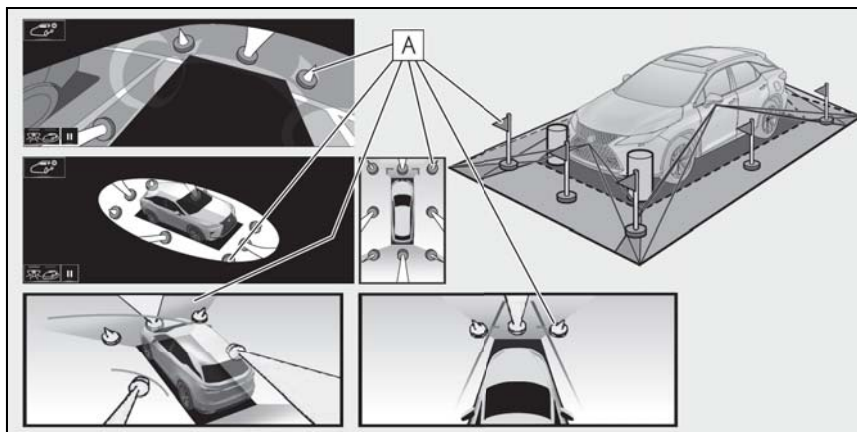
The panoramic view monitor displays an image of the surrounding view of the vehicle.

Since the panoramic view processes and displays images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if there is room between the bumpers of the vehicles and it seems not likely to collide in the image, in reality, the both vehicles are on a collision course.

Check the safety of the surroundings directly.

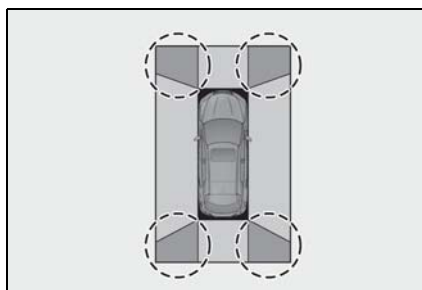


A Objects located in the shaded areas will not be displayed on the screen.



A Parts of objects which extend above a certain height cannot be displayed on the screen.

- As the images obtained from four cameras are processed and displayed on the standard of a flat road surface; the panoramic view/moving view/see-through view/Side Clearance View/Cornering View may be displayed as follows.
- Objects may look collapsed; thinner or bigger than usual.
- An object with a higher position than the road surface may look farther away than it actually is or may not appear at all.
- Tall objects may appear protruding from the non-displayed areas of the image.
- Variations in the brightness of the image may appear for every camera.
- The displayed image may be shifted by inclination of the vehicle body, change in vehicle height, etc., depending on the number of passengers, amount of luggage, fuel quantity, etc.
- If the front doors or back door are not completely closed; neither the image nor the guide lines are displayed.
- The position relations of the vehicle icon and the road surface or obstacle may differ from the actual positions.
- The black areas of the vicinity of the vehicle icon are areas that are not captured by the camera.
- Images like the following are combined, thus some areas may be difficult to view.

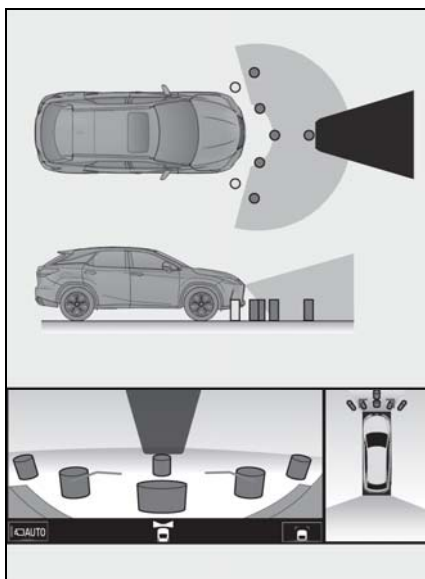


**WARNING**

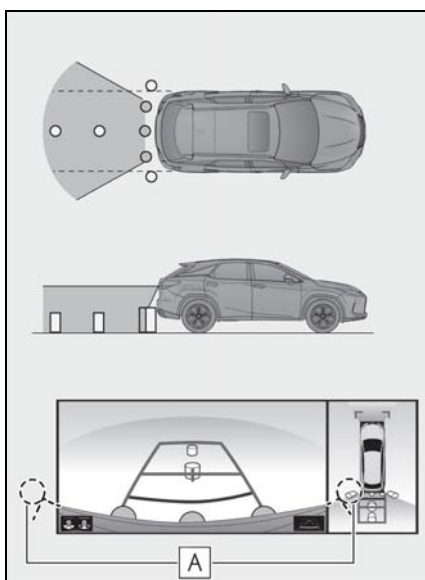
- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

Area of the image captured by the camera

► Wide front view

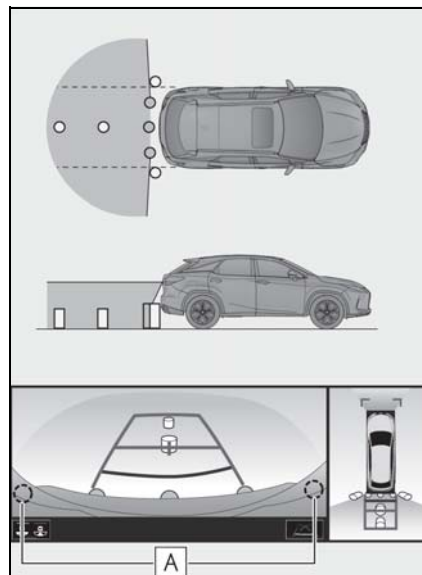


► Rear view

**A** The area around both corners of

the bumper will not be displayed.

► Wide rear view

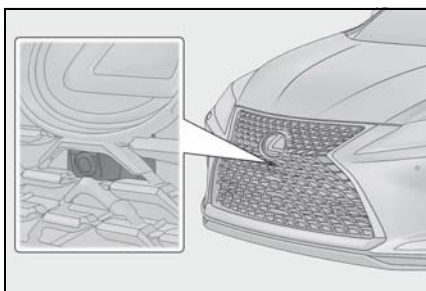
**A** The area around both corners of the bumper will not be displayed.

- Black masking is done for distance detection differences to the front of the vehicle.
- The area covered by the camera is limited. Objects which are close to either corner of the bumper or under the bumper cannot be seen on the screen.
- The area displayed on the screen may vary depending on vehicle orientation or road conditions.
- The camera uses a special lens. The distance in the image displayed on the screen will differ from the actual distance.

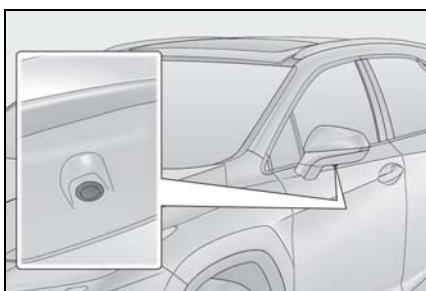
The camera

The cameras for the panoramic view monitor are located as shown in the illustrations.

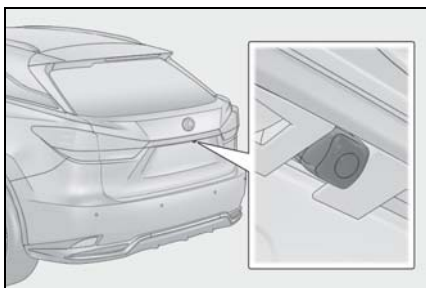
► Front camera



► Side cameras



► Rear camera



Using the camera

If dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera, it cannot transmit a clear image. In this case, flush it with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.

⚠ NOTICE

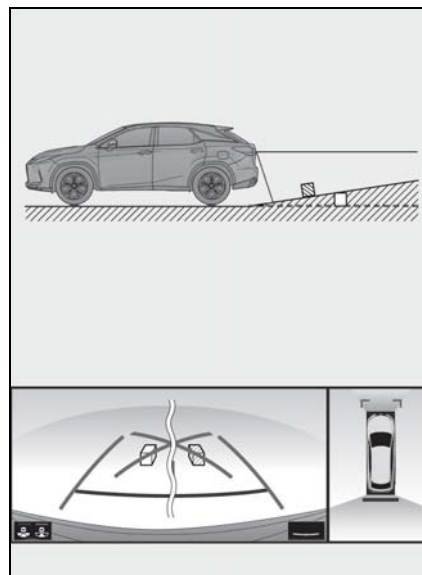
- The panoramic view monitor may not operate properly in the following cases.
 - If the camera is hit, the position and mounting angle of the camera may change.
 - As the camera has a water proof construction, do not detach, disassemble or modify it. This may cause incorrect operation.
 - When cleaning the camera lens, flush the camera with a large quantity of water and wipe it with a soft and wet cloth. Strongly rubbing the camera lens may cause the camera lens to be scratched and unable to transmit a clear image.
 - Do not allow an organic solvent, car wax, window cleaner or a glass coating to adhere to the camera. If this happens, wipe it off as soon as possible.
 - If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally.
 - When washing the vehicle, do not apply intensive bursts of water to the camera or camera area. Doing so may result in the camera malfunctioning.
- Do not expose the camera to strong impacts as this could cause a malfunction. If this happens, have the vehicle inspected by your Lexus dealer as soon as possible.

Difference between the screen and the actual road

- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.
- The distances between the vehicle width guide lines and the left and right dividing lines of the parking space may not be equal, even when they appear to be so. Be sure to check visually.
- The distance guide lines give a distance guide for flat road surfaces. In any of the following situations, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.

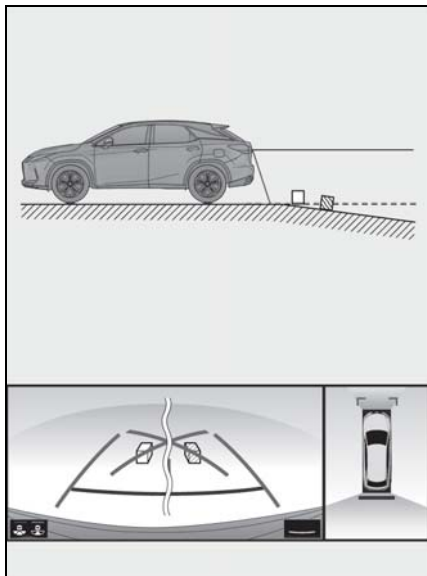
When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Because of this, objects will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.

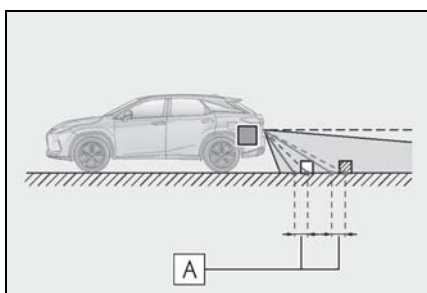


When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be farther from the vehicle than the actual distance. Because of this, objects will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance/course on the road.

**When any part of the vehicle sags**

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance/course on the road.



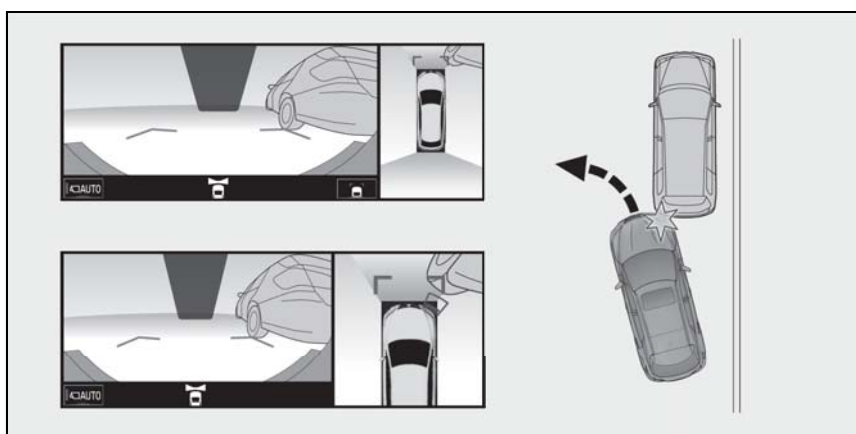
A A margin of error

Distortion of three-dimensional objects on the screen

When there are three-dimensional objects (such as vehicle bumpers, etc.) nearby in positions higher than the surface of the road, take extra care when using the following.

Panoramic view display (including magnified display), Side Clearance View and Cornering View display

Since the panoramic view, Side Clearance View and Cornering View process and display images based on flat road surfaces, it cannot depict the position of three-dimension objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. For example, even though it appears that there is space between the bumpers of the two vehicles in the illustration below and they are not likely to collide, in reality, a collision is about to occur.



WARNING

- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

When approaching three-dimensional objects

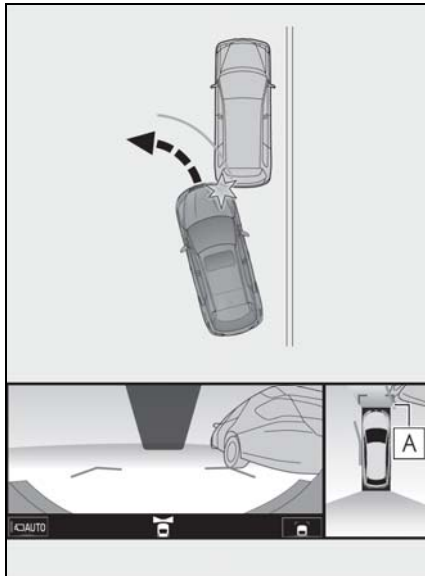
The estimated course lines target flat surfaced objects (such as the road). It is not possible to determine the position of three-dimensional objects (such as vehicles) using the estimated course lines and distance guide lines. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), be careful of the following.

**WARNING**

- When a sensor indicator on the intuitive parking assist display illuminates in red or a buzzer sounds continuously, be sure to check the area around the vehicle immediately and do not proceed any further until safety has been ensured, otherwise an unexpected accident may occur.

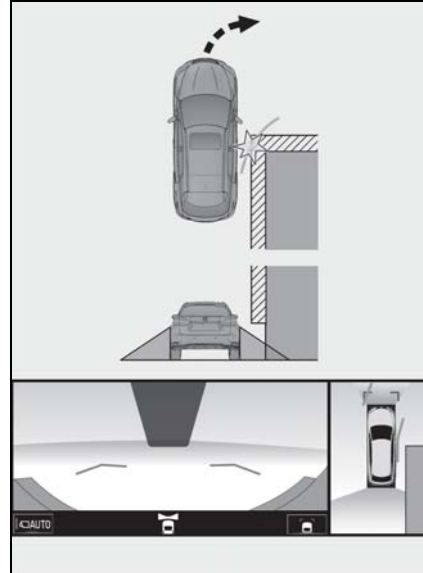
Estimated course lines

Since the estimated course line is displayed for a flat road surface, it cannot depict the position of three-dimensional objects (such as vehicle bumpers, etc.) that are in positions higher than the surface of the road. Even if the bumpers of the vehicle is on the outside of the estimated course line in the image, in reality, the vehicles are on a collision course.

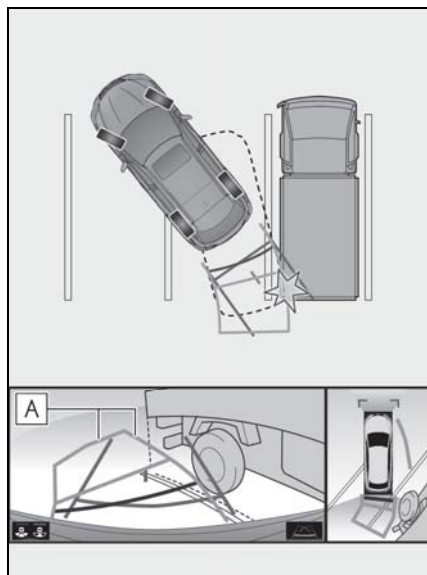


A Estimated course line

Three-dimensional objects (such as the overhang of a wall or loading platform of a truck) in high positions may not be projected on the screen. Check the safety of the surroundings directly.



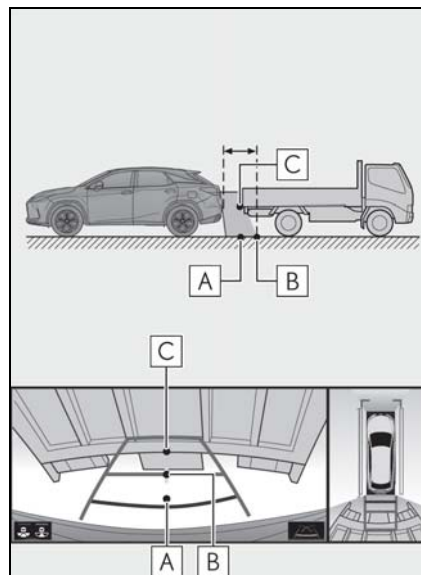
Visually check the surroundings and the area behind the vehicle. In the case shown below, the truck appears to be outside of the estimated course lines and the vehicle does not look as if it hits the truck. However, the rear body of the truck may actually cross over the estimated course lines. In reality if you back up as guided by the estimated course lines, the vehicle may hit the truck.



A Estimated course lines

Distance guide lines

Visually check the surroundings and the area behind the vehicle. On the screen, it appears that a truck is parking at point **B**. However, in reality if you back up to point **A**, you will hit the truck. On the screen, it appears that **A** is closest and **C** is farthest away. However, in reality, the distance to **A** and **C** is the same, and **B** is farther than **A** and **C**.



Things you should know

If you notice any symptoms

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

If the symptom is not resolved by the solution, have the vehicle inspected by your Lexus dealer.

Symptom	Likely cause	Solution
The image is difficult to see	• The vehicle is in a dark area • The temperature around the lens is either high or low • The outside temperature is low • There are water droplets on the camera • It is raining or humid • Foreign matter (mud, etc.) is adhering to the camera • Sunlight or headlights are shining directly into the camera • The vehicle is under fluorescent lights, sodium lights, mercury lights, etc.	Back up while visually checking the vehicle's surroundings. (Use the monitor again once conditions have been improved.) The procedure for adjusting the picture quality of the panoramic view monitor system is the same as the procedure for adjusting the screen display. (→P.69)
The image is blurry	Dirt or foreign matter (such as water droplets, snow, mud, etc.) is adhering to the camera.	Flush the camera with a large quantity of water and wipe the camera lens clean with a soft and wet cloth.
The image is out of alignment	The camera or surrounding area has received a strong impact.	Have the vehicle inspected by your Lexus dealer.

Symptom	Likely cause	Solution
The guide lines are very far out of alignment	The camera position is out of alignment.	Have the vehicle inspected by your Lexus dealer.
	- The vehicle is tilted. (There is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.) - The vehicle is used on an incline.	If this happens due to these causes, it does not indicate a malfunction. Back up while visually checking the vehicle's surroundings.
The estimated course lines move even though the steering wheel is straight	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Lexus dealer.
Guide lines are not displayed	The back door is open.	Close the back door. If this does not resolve the symptom, have the vehicle inspected by your Lexus dealer.
 is displayed	12-volt battery has been reinstalled. - The steering wheel has been moved while the 12-volt battery was being reinstalled. 12-volt battery power is low. - The steering sensor has been reinstalled. - There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by your Lexus dealer.
The panoramic view display cannot be magnified	The intuitive parking assist may be malfunctioning or dirty.	Follow the correction procedures for malfunctions of the intuitive parking assist. (Refer to "OWNER'S MANUAL")
The See-through view/Moving view/Side Clearance View/Cornering View cannot be displayed		

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T-Kernel

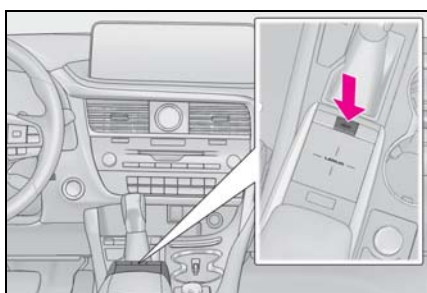
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8-1. Phone operation (Hands-free system for cellular phones)	
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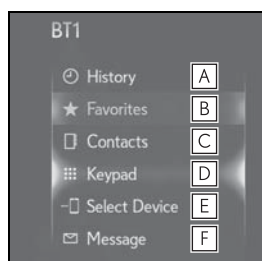
Quick reference**Phone screen operation**

The phone screen can be reached by the following method:

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Phone".

Phone sub menu screen

- A** Select to display the "History" screen. (→P.255)
- B** Select to display the "Favorites" screen. (→P.256)
- C** Select to display the "Contacts" screen. (→P.256)
- D** Select to display the "Keypad" screen. (→P.257)
- E** Select to change device if there are more than 1 phone registered.

- F** Select to display the "Message" screen. (→P.261)

Bluetooth® hands-free system operation

The following functions can be used on phone operation:

- Registering/connecting a Bluetooth® device (→P.43)
- Placing a call using the Bluetooth® hands-free system (→P.255)
- Receiving a call using the Bluetooth® hands-free system (→P.258)
- Talking on the Bluetooth® hands-free system (→P.259)

Message function

The following function can be used on message function:

- Using the Bluetooth® phone message function (→P.261)

Setting up a phone

The following functions can be made in the system:

- Phone settings (→P.266)
- Bluetooth® settings (→P.47)

Some basics

The hands-free system enables calls to be made and received without having to take your hands off the steering wheel.

This system supports Bluetooth®. Bluetooth® is a wireless data system that enables cellular phones to be used without being connected by a cable or placed in a cradle.

The operating procedure of the phone is explained here.

When an Apple CarPlay connection is established, phone functions will be performed by Apple CarPlay instead of the hands-free system.*

*: This function is not available in some countries or areas.

- This system is not guaranteed to operate with all Bluetooth® devices.
- If your cellular phone does not support Bluetooth®, this system cannot function.
- In the following conditions, the system may not function:
 - The cellular phone is turned off.
 - The current position is outside the communication area.
 - The cellular phone is not connected.
 - The cellular phone has a low battery.
- Depending on the type of Bluetooth® phone, some function is not available.
- When using the hands-free system or Bluetooth® audio and Wi-Fi® Hotspot functions at the same time, the following problems may occur:
 - The Bluetooth® connection may be cut.
 - Noise may be heard on the Bluetooth®

audio playback.

- A noise may be heard during phone calls.
- Bluetooth® uses the 2.4 GHz frequency band. If both a Wi-Fi® connection and Bluetooth® connection are being used simultaneously, each connection may be affected.
- If a Bluetooth® device is attempting to connect to the vehicle while another device is connected as a Bluetooth® audio device or connected using the hands-free system or Wi-Fi® Hotspot function, the communication speed may decrease or malfunctions may occur, such as image distortion or audio skipping. If a Bluetooth® device is connected to the system, the interference it may cause will be reduced. When carrying a device with its Bluetooth® connection enabled, make sure to register it to the system and connect it or disable its Bluetooth® function.
- When a device is connected via Bluetooth®, the Bluetooth® icon on the status bar will be displayed in blue. (→P.19)



WARNING

- While driving, do not operate a cellular phone.
- Your audio unit is fitted with Bluetooth® antennas. People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.

**WARNING**

- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

**NOTICE**

- Do not leave your cellular phone in the vehicle. In particular, high temperatures inside the vehicle may damage the cellular phone.

Registering/Connecting a Bluetooth® phone

To use the hands-free system for cellular phones, it is necessary to register a cellular phone with the system. (→P.43)

■ Connecting a Bluetooth® device

► Registering an additional device

- 1 Display the phone screen:
 - “MENU” button → “Phone”
 - 2 Select  “Select Device” on the sub menu.
 - 3 Select “Add Device”.
- When another Bluetooth® device is connected, a confirmation screen will be displayed. To disconnect the Bluetooth® device, select “Yes”.
 - Up to 5 Bluetooth® devices can be

registered to the system. If the maximum number of devices are registered, registration cannot be performed from the phone top screen.

- 4 Follow the steps in “Registering a Bluetooth® phone for the first time” from step 5. (→P.43)

► Selecting a registered device

- 1 Display the phone screen:
 - “MENU” button → “Phone”
 - 2 Select  “Select Device” on the sub menu.
 - 3 Select the desired device to be connected.
 - 4 Check that a confirmation screen is displayed when the connection is complete.
- If an error message is displayed, follow the guidance on the screen to try again.

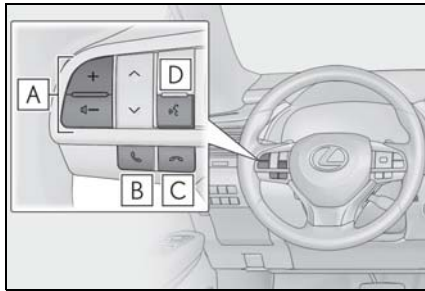
■ Bluetooth® phone condition display

The condition of the Bluetooth® phone appears on the upper right side of the screen. (→P.19)

Using the phone switch/microphone

■ Steering switch

By pressing the phone switch, a call can be received or ended without taking your hands off the steering wheel.



A Volume control switch

- Press the "+" side to increase the volume.
- Press the "-" side to decrease the volume.

B Off hook switch

- Press to start talking.
- Press to put a call on hold.
- Depending on the system, if the switch is pressed when an Apple CarPlay connection is established, the Apple CarPlay phone application will be displayed on the system screen.*

C On hook switch

- Press to end talking/dialing.
- Press to refuse to receive the call.

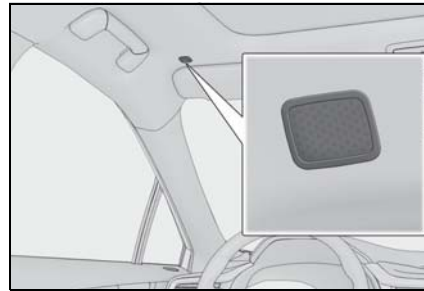
D Talk switch

- Press the talk switch to start the voice command system.
- To cancel voice recognition, press and hold the talk switch.

*: This function is not available in some countries or areas.

■ Microphone

The microphone is used when talking on the phone.



- The other party's voice will be heard from the front speakers. The audio/visual system will be muted during phone calls or when hands-free voice commands are used.
- Talk alternately with the other party on the phone. If both parties speak at the same time, the other party may not hear what has been said. (This is not a malfunction.)
- Keep call volume down. Otherwise, the other party's voice may be audible outside the vehicle and voice echo may increase. When talking on the phone, speak clearly towards the microphone.
- The other party may not hear you clearly when:
 - Driving on an unpaved road. (Making excessive traffic noise.)
 - Driving at high speeds.
 - The roof or windows are open.
 - The air conditioning vents are pointed towards the microphone.
 - The sound of the air conditioning fan is loud.
 - There is a negative effect on sound quality due to the phone and/or network being used.

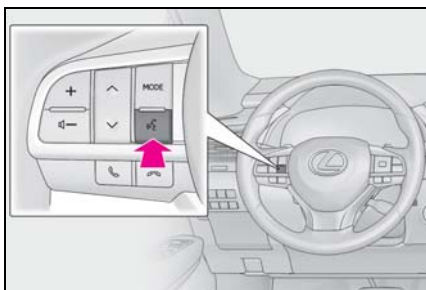


NOTICE

- Do not touch and put a sharp object to the microphone. It may cause failure.

Voice command system

Press the talk switch to operate the voice command system.



- The voice command system and its list of commands can be operated. (→P.180)

About the contacts in the contact list

- The following data is stored for every registered phone. When another phone is connected, the following registered data cannot be read:
 - Contact data
 - Call history data
 - Favorites data
 - Image data
 - All phone settings
 - Message settings
- When a phone's registration is deleted, the above-mentioned data is also deleted.

When selling or disposing of the vehicle

A lot of personal data is registered when the hands-free system is used. When selling or disposing of the vehicle, initialize the data. (→P.71)

- The following data in the system can be initialized:
 - Contact data
 - Call history data
 - Favorites data
 - Image data
 - All phone settings
 - Message settings
- Once initialized, the data and settings will be erased. Pay much attention when initializing the data.

Placing a call using the Bluetooth® hands-free system

After a Bluetooth® phone has been registered, a call can be made using the hands-free system. There are several methods by which a call can be made, as described below.

Calling methods on the Bluetooth® phone

- 1 Display the phone screen:
 - “MENU” button → “Phone”
- 2 Select the desired method to call from.
 - **Calling methods from phone screen**
 - By call history (→P.255)
 - By favorites (→P.256)
 - By contacts (→P.256)
 - By keypad (→P.257)
 - By message (→P.264)
 - **Also the following lists are available from each function’s screen**
 - By POI call* (→P.85)
 - By voice command system (→P.181)
 - By Lexus Enform App Suite 2.0 (→P.297)

* : With navigation function

By call history

Up to 30 of the latest call history items (missed, incoming and outgoing) can be selected from the “History”.

- 1 Display the phone screen:
 - “MENU” button → “Phone”
- 2 Select  “History” on the sub menu and select the desired contact.
 - If the contact which is not registered on the contact list is selected, the name is displayed as “Unknown Contact”. In this case, select the number to make a call properly.
- 3 Check that the dialing screen is displayed.

- The icons of call type are displayed.



: Missed call



: Incoming call



: Outgoing call

- When making a call to the same number continuously, only the most recent call is listed in call history.
- When a phone number registered in the contact list is received, the name is displayed.
- Number-withheld calls are also memorized in the system.
- International phone calls may not be made depending on the type of Bluetooth® phone you have.
- The list should group together consecutive entries with the same phone number and same call type. For example, two calls from John’s mobile would be displayed as follows: John (2)

By favorites list

Calls can be made using registered contacts which can be selected from a contact list. (→P.272)

- 1 Display the phone screen:
 - “MENU” button → “Phone”
- 2 Select  “Favorites” on the sub menu and select the desired contact.
- 3 Select the desired number.
- 4 Check that the dialing screen is displayed.

By contacts list

Calls can be made by using contact data which is transferred from a registered cellular phone. (→P.268)

Up to 5000 contacts (maximum of 4 phone numbers, e-mail addresses and addresses per contact) can be registered in the contact list.

- 1 Display the phone screen:
 - “MENU” button → “Phone”
- 2 Select  “Contacts” on the sub menu and select the desired contact.
- 3 Select the desired number.

“E-mail Addresses”: Select to display all registered e-mail addresses for the contact.

“Addresses”: Select to display all registered addresses for the contact.
- 4 Check that the dialing screen is displayed.

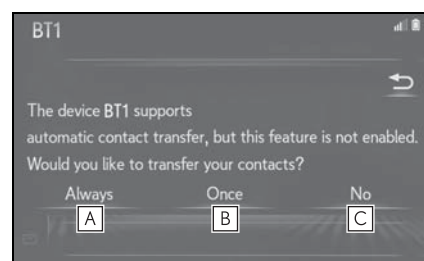
When the contact list is empty

- For PBAP compatible Bluetooth[®] phones when “Automatic Transfer” is set to on (→P.269)

- Contacts are transferred automatically.

- For PBAP compatible Bluetooth[®] phones when “Automatic Transfer” is set to off (→P.269)

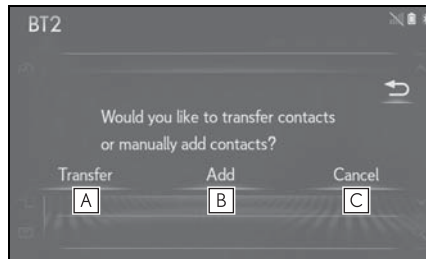
- 1 Select the desired item.



- A** Select to always transfer all the contacts from a connected cellular phone automatically.
 - B** Select to transfer all the contacts from a connected cellular phone only once.
 - C** Select to cancel transferring.
- 2 Check that a confirmation screen is displayed when the operation is complete.

- For PBAP incompatible but OPP compatible Bluetooth[®] phones

- 1 Select the desired item.



- A** Select to transfer the contacts from the connected cellular phone. Transfer the contact data to the system using a Bluetooth[®] phone.
- B** Select to add a new contact manually. Follow the steps in "Registering a new contact to the contacts list" from step 2. (→P.271)
- C** Select to cancel transferring.

- If your cellular phone is neither PBAP nor OPP compatible, the contacts cannot be transferred using Bluetooth[®]. But the contacts can be transferred from USB device. (→P.270)
- Depending on the type of Bluetooth[®] phone:
 - It may be necessary to perform additional steps on the phone when transferring contact data.
 - The registered image in the contact list may not transfer depending on the type of Bluetooth[®] phone connected.

By keypad

- 1 Display the phone screen:
 - "MENU" button → "Phone"
 - 2 Select  "Keypad" on the sub menu and enter the phone number.
 - 3 Select  or press the  switch on the steering wheel.
 - 4 Check that the dialing screen is displayed.
- Depending on the type of Bluetooth[®] phone being connected, it may be necessary to perform additional steps on the phone.

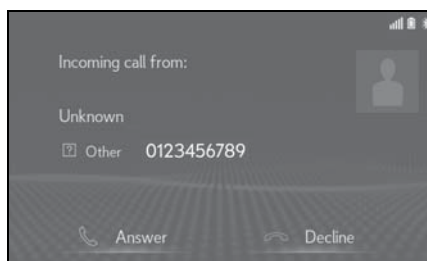
Receiving a call using the Bluetooth® hands-free system

When a call is received, the following screen is displayed with a sound.

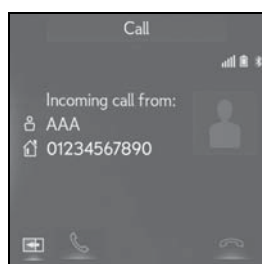
Incoming calls

- 1 Select "Answer"/ or press the  switch on the steering wheel to talk on the phone.

► Main display



► Side display*



"Decline"/: Select to refuse to receive the call.

To adjust the volume of a received call: Turn the "PWR•VOL" knob, or use the volume control switch on the steering wheel.

*: 12.3-inch display model

played only when the vehicle is not moving.

- During international phone calls, the other party's name or number may not be displayed correctly depending on the type of Bluetooth® phone you have.
- The ringtone that has been set in the sound settings screen can be heard when there is an incoming call. Depending on the type of Bluetooth® phone, both the system and Bluetooth® phone may ring simultaneously when there is an incoming call. (→P.266)
- 12.3-inch display model: The incoming call display mode can be set to the main display or side display. (→P.267)

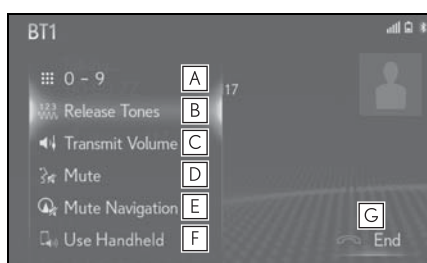
- The contact image picture can be dis-

Talking on the Bluetooth® hands-free system

While talking on the phone, the following screen is displayed. The operations outlined below can be performed on this screen.

Call screen operation

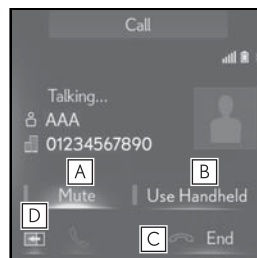
► Main display



- A** Select to display the keypad to send tones. (→P.260)
- B** Select to send tones. This button only appears when a number that contains a (w) is dialed in hands-free mode. (→P.260)
- C** Select to adjust your voice volume that the other party hears from their speaker. (→P.260)
- D** Select to mute your voice to the other party.
- E** Select to mute the navigation route guidance during a phone call.*
- F** Select "Use Handheld" to change modes between hands-free and cellular phone.
- G** Select to hang up the phone.

* : With navigation function

► Side display*



- A** Select to mute your voice to the other party.
- B** Select "Use Handheld" to change modes between hands-free and cellular phone.
- C** Select to hang up the phone.
- D** Select to switch the displayed current screen to the main display.

* : 12.3-inch display model

- Only when the vehicle is not moving, the contact image can be displayed.
- When cellular phone call is changed to hands-free call, the hands-free screen will be displayed and its functions can be operated on the screen.
- Changing between cellular phone call and hands-free call can be performed by operating the cellular phone directly.
- Transferring methods and operations will be different depending on the type of Bluetooth® phone you have.
- For the operation of the cellular phone, see the manual that comes with it.
- 12.3-inch display model: This screen can be displayed on the main display or side display.

Sending tones

■ By keypad

- 1 Select "0-9" on the sub menu.
- 2 Enter the desired number.

■ By selecting "Release Tones"

"Release Tones" appear when a continuous tone signal(s) containing a (w) is registered in the contact list.

- 1 Select "Release Tones" on the sub menu.

- A continuous tone signal is a character string that consists of numbers and the characters "p" or "w". (e.g. 056133w0123p#1)
- When the "p" pause tone is used, the tone data up until the next pause tone will be automatically sent after 2 seconds have elapsed. When the "w" pause tone is used, the tone data up until the next pause tone will be automatically sent after a user operation is performed.
- Release tones can be used when automated operation of a phone based service such as an answering machine or bank phone service is desired. A phone number with continuous tone signals can be registered in the contact list.
- Tone data after a "w" pause tone can be operated by voice command during a call.

Transmit volume setting

- 1 Select "Transmit Volume" on the sub menu.
- 2 Select the desired level for the transmit volume.
- 3 Press the button on the Remote Touch to display previous screen.

- The sound quality of the voice heard from the other party's speaker may be negatively impacted.
- "Transmit Volume" is dimmed when mute is on.

Incoming call waiting

When a call is interrupted by a third party while talking, the incoming screen is displayed.

The incoming screen can also be displayed on the side display.

- 1 Select "Answer" / or press the switch on the steering wheel to start talking with the other party.
- To refuse to receive the call: Select "Decline" / or press the switch on the steering wheel.
 - Each time the switch on the steering wheel is pressed, the party who is on hold will be switched.

- This function may not be available depending on the type of Bluetooth[®] phone.

- 12.3-inch display model: This screen can be displayed on the main display or side display.

Bluetooth® phone message function

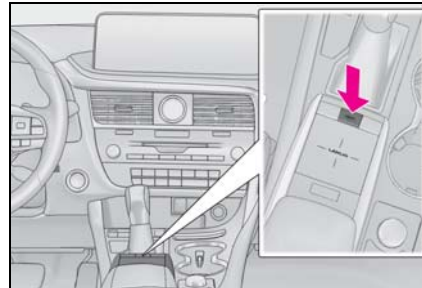
Received messages can be forwarded from the connected Bluetooth® phone, enabling checking and replying using the system.

Depending on the type of Bluetooth® phone connected, received messages may not be transferred to the system.

If the phone does not support the message function, this function cannot be used. Even when the supported phone is used, reply function may not be used.

Displaying the message screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Phone".
 - 3 Select  "Message" on the sub menu.
 - 4 Select a desired account name that is displayed on the left side of screen.
- Account names are the names of

the accounts that exist on the currently connected phone.

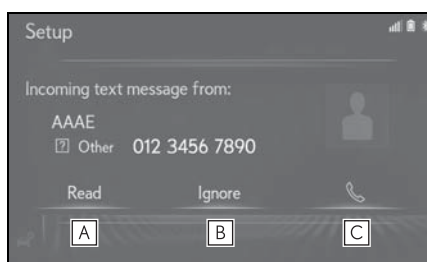
- 5 Check that the message screen is displayed.

 "Phone": Select to change to phone mode.

- The following functions can be used on message function:
 - Receiving a message (→P.262)
 - Checking messages (→P.262)
 - Replying to a message (dictation reply) (→P.263)
 - Replying to a message (quick reply) (→P.264)
 - Calling the message sender (→P.264)
 - Message settings (→P.274)

Receiving a message

When an e-mail/SMS/MMS is received, the incoming message screen pops up with sound and is ready to be operated on the screen.



- A** Select to check the message.
- B** Select to not open the message.
- C** Select to call the message sender.

- To display the above screen, it needs to be set to "Full Screen" on "Incoming SMS/MMS Display" and "Incoming E-mail Display". (→P.267) Default set-

ting is "Drop-down".

- Depending on the type of Bluetooth® phone used for receiving messages, or its registration status with the system, some information may not be displayed.
- The pop-up screen is separately available for incoming e-mail and SMS/MMS messages under the following conditions:

E-mail:

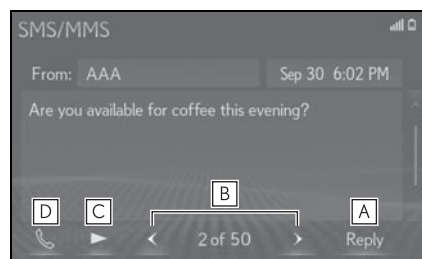
- "E-mail Notification Pop-up" is set to on. (→P.267)

SMS/MMS:

- "SMS/MMS Notification Pop-up" is set to on. (→P.267)
- Depending on the type of Bluetooth® phone being connected, E-Mail function cannot be used via Bluetooth®.

Checking messages

- 1 Display the message screen:
 - "MENU" button → "Phone" →  "Message"
- 2 Select a desired account name that is displayed on the left side of screen.
- 3 Select the desired message from the list.
- 4 Check that the message is displayed.



- A** Select to reply to the message.
(→P.263)
 - B** Select to display the previous or next message.
 - C** Select to have messages read out.
To cancel this function, select .
When "Automatic Message Read-out" is set to on, messages will be automatically read out. (→P.274)
 - D** Select to call the message sender.
-
- Depending on the type of Bluetooth[®] phone being connected, this function cannot be used.
 - Depending on the type of Bluetooth[®] phone being connected, it may be necessary to perform additional steps on the phone.
 - Messages are displayed in the appropriate connected Bluetooth[®] phone's registered mail address folder. Select the desired folder to be displayed.
 - Only received messages on the connected Bluetooth[®] phone can be displayed.
 - The text of the message is not displayed while driving.
 - Turn the "PWR•VOL" knob, or use the volume control switch on the steering wheel to adjust the message read out volume.
 - "Subject:" field is not shown on SMS case.
 - E-mail only: Select "Mark Unread" or "Mark Read" to mark mail unread or read on the message screen.
This function is available when "Update Message Read Status on Phone" is set to on. (→P.274)

Replying to a message (dictation reply)

- 1** Display the message screen:
 - "MENU" button → "Phone" →  "Message"
 - 2** Select a desired account name that is displayed on the left side of screen.
 - 3** Select the desired message from the list.
 - 4** Select "Reply".
 - 5** Select "Dictation".
 - 6** When the "Say Your Message" screen is displayed, speak message that you want to send.
 - 7** Select "Send" to send message.
- "Cancel": Select to cancel sending the message.
- "Retry": Select to retry speaking message that you want to send.
- While the message is being sent, a sending message screen is displayed.
- 8** Check that a confirmation screen is displayed when the operation is complete.
- If an error message is displayed, follow the guidance on the screen to try again.

Replying to a message (quick reply)

15 messages have already been stored.

1 Display the message screen:

- "MENU" button → "Phone" →  "Message"

2 Select a desired account name that is displayed on the left side of screen.

3 Select the desired message from the list.

4 Select "Reply".

5 Select "Quick Message".

6 Select the desired message.

7 Select "Send".

"Cancel": Select to cancel sending the message.

- While the message is being sent, a sending message screen is displayed.

8 Check that a confirmation screen is displayed when the operation is complete.

- If an error message is displayed, follow the guidance on the screen to try again.

■ Editing quick reply messages

This operation cannot be performed while driving.

1 Select "Reply".

2 Select "Quick Message".

3 Select  corresponding to the desired message to edit.

4 Select "OK" when editing is completed.

- To reset the edited quick reply messages, select "Default".

- Quick message 1 ("I am driving and will arrive in approximately [##] minutes.")*: This message cannot be edited and will automatically fill in [##] with the navigation calculated estimated time of arrival on the confirm message screen. If there are waypoints set, [##] to the next waypoint will be shown. If there is no route currently set in the navigation system, quick message 1 cannot be selected.

- Depending on the type of Bluetooth[®] phone, reply function is not available.

*: With navigation function

Calling the message sender

Calls can be made to an e-mail/SMS/MMS message sender's phone number.

This operation can be performed while driving.

■ Calling from e-mail/SMS/MMS message display

1 Display the message screen:

- "MENU" button → "Phone" →  "Message"

2 Select a desired account name that is displayed on the left side of screen.

3 Select the desired message from the list.

4 Select , or press the  switch on the steering wheel.

- If there are 2 or more phone num-

bers, select the desired number.

- 5 Check that the dialing screen is displayed.

■ Calling from a number within a message

Calls can be made to a number identified in a message's text area in blue font.

This operation cannot be performed while driving.

- 1 Display the message screen:

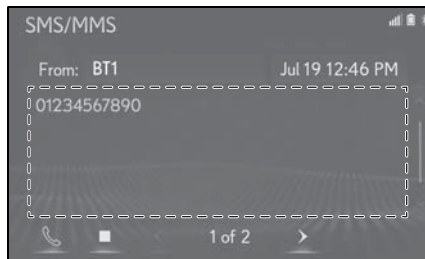
- "MENU" button → "Phone"

→  "Message"

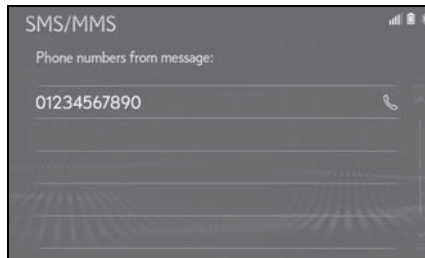
- 2 Select a desired account name that is displayed on the left side of screen.

- 3 Select the desired message from the list.

- 4 Select the text area.



- 5 Select the desired number.



- Identified phone numbers contained

in the message are displayed.

- 6 Check that the dialing screen is displayed.

- A series of numbers may be recognized as a phone number. Additionally, some phone numbers may not be recognized, such as those for other countries.

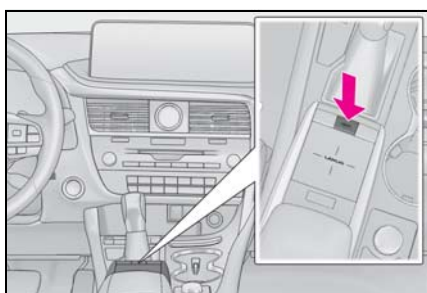
■ Calling from the incoming message screen

For detail, refer to "Receiving a message". (→P.262)

Phone settings

Displaying the phone settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Phone" on the sub menu.
- 4 Select the desired item to be set.

Phone settings screen



- A Connecting a Bluetooth® device and editing the Bluetooth® device information (→P.48, 52)
- B Sound settings* (→P.266)
- C Notifications/display settings* (→P.267)

- D Contact/call history settings* (→P.268)

- E Message settings* (→P.274)

*: This operation cannot be performed while driving.

Sounds settings screen

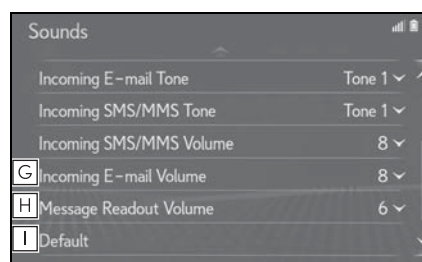
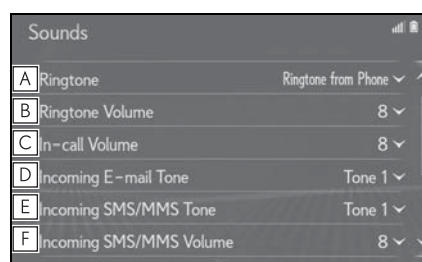
The call and ringtone volume can be adjusted. A ringtone can be selected.

- 1 Display the phone settings screen:

- "MENU" button → "Setup"
-  "Phone"

- 2 Select "Sounds".

- 3 Select the desired item to be set.



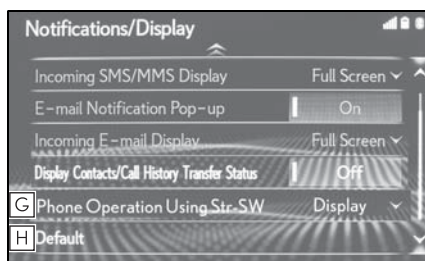
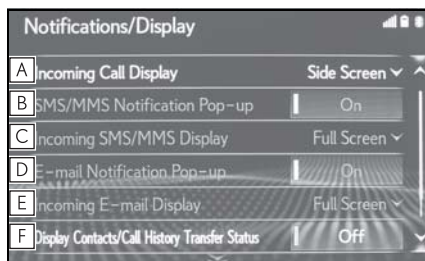
- A Select to set the desired ringtone.
- B Select "-" or "+" to adjust the ringtone volume.
- C Select "-" or "+" to adjust the default volume of the other party's voice.
- D Select to set the desired incoming e-mail tone.

- E** Select to set the desired incoming SMS/MMS tone.
- F** Select “-” or “+” to adjust the incoming SMS/MMS tone volume.
- G** Select “-” or “+” to adjust the incoming e-mail tone volume.
- H** Select “-” or “+” to adjust the message readout volume.
- I** Select to reset all setup items.

● Depending on the type of Bluetooth® phone, certain functions may not be available.

Notifications/display settings screen

- 1 Display the phone settings screen:
 - “MENU” button → “Setup”
→  “Phone”
- 2 Select “Notifications/Display”.
- 3 Select the desired item to be set.



- A** Select to change where the screen is displayed between the main display and side display.

• 12.3-inch display model:

“Main Screen”: Select to display and operate the screen on the main display.

“Side Screen”: Select to display and operate the screen on the side display. For details of the screen: → P.258

• 8-inch display model:

“Full Screen”: When a call is received, the hands-free screen is displayed and can be operated on the screen.

“Drop-down”: A message is displayed on the upper side of the screen and can only be operated via the steering wheel switches.

- B** Select to set the SMS/MMS notification pop-up on/off.

- C** Select to change the incoming SMS/MMS display.

“Full Screen”: When an SMS/MMS message is received, the incoming SMS/MMS display screen is displayed and can be operated on the screen.

“Drop-down”: When an SMS/MMS message is received, a message is displayed at the top of the screen.

- D** Select to set the e-mail notification pop-up on/off.

- E** Select to change the incoming e-mail display.

“Full Screen”: When an e-mail is received, the incoming e-mail display screen is displayed and can be operated on the screen.

“Drop-down”: When an e-mail is received, a message is displayed at

the top of the screen.

- F** Select to set display of the contact/history transfer completion message on/off.
- G** The phone top screen can be set to be displayed on the multi-information display or system screen.
- H** Select to reset all setup items.

● Depending on the type of Bluetooth® phone, these functions may not be available.

Contacts/Call history settings screen

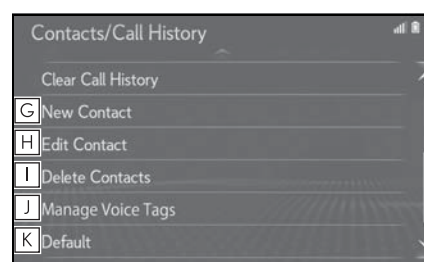
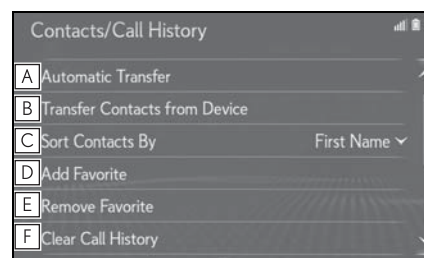
Contacts can be transferred from a Bluetooth® phone to this system. Contacts and favorites can be added, edited and deleted. Also, the call history can be deleted.

1 Display the phone settings screen:

- “MENU” button → “Setup” →  “Phone”

2 Select “Contacts/Call History”.

3 Select the desired item to be set.



- A** For PBAP compatible Bluetooth® phones: Select to change the contact/history transfer settings. (→P.269)
- B** Select to update contacts from the connected device. (→P.270)
- C** Select to sort contacts by the first name or last name field.
- D** Select to add contacts to the favorites list. (→P.272)
- E** Select to delete favorites from the favorites list. (→P.273)
- F** Select to clear the call history.*
- G** Select to add new contacts to the contact list.* (→P.271)
- H** Select to edit contacts in the contact list.* (→P.272)
- I** Select to delete contacts from the contact list.* (→P.272)

J Select to set the voice tags.
(→P.273)

K Select to reset all setup items.

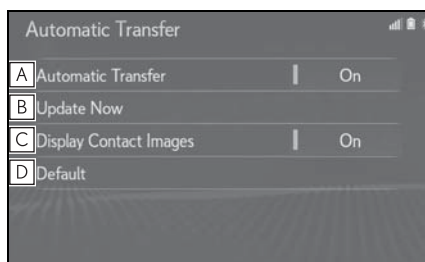
* : For PBAP compatible Bluetooth® phones, this function is available when “Automatic Transfer” is set to off.
(→P.269)

- Depending on the type of Bluetooth® phone, certain functions may not be available.
- Contact data is managed independently for every registered phone. When one phone is connected, another phone’s registered data cannot be read.

Setting automatic contact/history transfer

The automatic contact/history function is available for PBAP compatible Bluetooth® phones only.

- 1** Select “Automatic Transfer”.
- 2** Select the desired item to be set.



- A** Select to set automatic contact/history transfer on/off. When set to on, the phone’s contact data and history are automatically transferred.
- B** Select to update contacts from the connected phone. (→P.269)
- C** Select to set the transferred contact image display on/off.

Only when the vehicle is not moving, the contact image can be displayed.

D Select to reset all setup items.

■ Updating contacts from phone

- 1** Select “Update Now”.
- Contacts are transferred automatically.
- 2** Check that a confirmation screen is displayed when the operation is complete.
- This operation may be unnecessary depending on the type of Bluetooth® phone.
- If another Bluetooth® device is connected when transferring contact data, depending on the phone, the connected Bluetooth® device may need to be disconnected.
- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.

■ Updating the contacts in a different way (from the call history screen)*

- 1** Press the “MENU” button on the Remote Touch.
- 2** Select “Phone”.
- 3** Select  “History” on the sub menu and select a contact not yet registered in the contact list.
- 4** Select “Update Contact”.
- 5** Select the desired contact.

- 6** Select a phone type for the phone number.

*: For PBAP compatible Bluetooth® phones, this function is available when "Automatic Transfer" is set to off.
(→P.269)

Transfer contacts from device

When an Android Auto connection is established, this function will be unavailable.*

*: This function is not available in some countries or areas.

From phone (OPP compatible Bluetooth® phones only)

- ▶ When the contact is not registered
- 1** Select "Transfer Contacts from Device".
- 2** Select "From Phone (Bluetooth)".
- 3** Transfer the contact data to the system using a Bluetooth® phone.
- This operation may be unnecessary depending on the type of Bluetooth® phone.
- To cancel this function, select "Cancel".
- 4** Check that a confirmation screen is displayed when the operation is complete.
- ▶ When the contact is registered
- 1** Select "Transfer Contacts from Device".
- 2** Select "From Phone (Bluetooth)".

- 3** Select "Replace Contacts" or "Add Contact".

"Replace Contacts": Select to transfer the contact from the connected cellular phone and replace the current one.

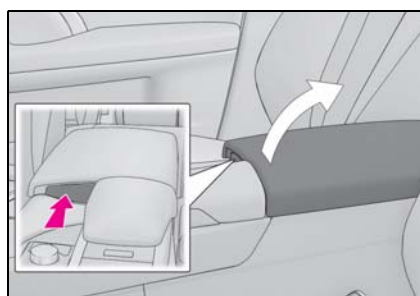
"Add Contact": Select to transfer the desired contact data from the connected cellular phone to add to the current one.

- 4** Transfer the contact data to the system using a Bluetooth® phone.
- This operation may be unnecessary depending on the type of Bluetooth® phone.
 - To cancel this function, select "Cancel".
- 5** Check that a confirmation screen is displayed when the operation is complete.

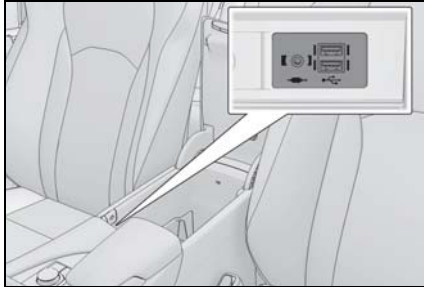
From USB device

Backed-up contact data ("vCard" formatted) can be transferred from USB device or Bluetooth® phone to this system.

- 1** Push the knob.



- Lift by hand to fully open the console box.

2 Connect a device.

- Turn on the power of the USB device or Bluetooth® phone if it is not turned on.
 - 3** Close the console box.
 - 4** Select "Transfer Contacts from Device".
 - 5** Select "From USB".
 - 6** Select "USB 1" or "USB 2" when the multiple USB devices are connected. If a USB device is connected, skip this procedure.
 - 7** Select "Replace Contacts" or "Add Contact". If the contact is not registered, skip this procedure.
- "Replace Contacts": Select to transfer the contact from the connected USB device or Bluetooth® phone and replace the current one.
- "Add Contact": Select to transfer the desired contact data from the connected USB device or Bluetooth® phone to add to the current one.
- 8** Select a desired file from vCard file list.
- 9** Check that a confirmation screen is displayed when the operation is complete.

● Depending on the type of Bluetooth®

phone used and number of files, it may take time to display vCard file lists and download contacts.

- Downloading may not complete correctly in the following cases:
 - If the engine switch <power switch> is turned off during downloading.
 - If the USB device or Bluetooth® phone is removed before downloading is complete.

Registering a new contact to the contacts list

New contact data can be registered.

Up to 4 numbers per person can be registered.

- 1** Select "New Contact".
- 2** Enter the name and select "OK".
- 3** Enter the phone number and select "OK".
- 4** Select the phone type for the phone number.
- 5** To add another number to this contact, select "Yes".

■ Registering a new contact in a different way (from the call history screen)

- 1** Press the "MENU" button on the Remote Touch.
- 2** Select "Phone".
- 3** Select  "History" on the sub menu and select a contact not yet registered in the contact list.
- 4** Select "Add to Contacts".
- 5** Follow the steps in "Registering a new contact to the contacts list" from step **2**. (→P.271)

Editing the contact data

- 1 Select "Edit Contact".
- 2 Select the desired contact.
- 3 Select  corresponding to the desired name or number.
- 4 Enter the name or the phone number and select "OK".

Deleting the contact data

- 1 Select "Delete Contacts".
- 2 Select the desired contact and press the  button on the Remote Touch.

"Select All": Select all items in the list.

"Unselect All": Unselect all items in the list.

"Delete": Delete selected items in the list.

- 3 Select "Delete".
- 4 Select "Yes" when the confirmation screen appears.

- Multiple data can be selected and deleted at the same time.
- When a Bluetooth[®] phone is deleted, the contact data will be deleted at the same time.

Favorites list setting

Up to 15 contacts (maximum of 4 numbers per contact) can be registered in the favorites list.

■ Registering the contacts in the favorites list

- 1 Select "Add Favorite".
- 2 Select the desired contact to add to the favorites list.

- Dimmed contacts are already stored as a favorite.

- 3 Check that a confirmation screen is displayed when the operation is complete.

► When 15 contacts have already been registered to the favorites list

- 1 When 15 contacts have already been registered to the favorites list, a registered contact needs to be replaced. Select "Yes" when the confirmation screen appears to replace a contact.

- 2 Select the contact to be replaced.

- 3 Check that a confirmation screen is displayed when the operation is complete.

■ Registering contacts in the favorites list in a different way (from the contact details screen)

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".

- 3 Select  "Contacts" on the sub menu and select the desired contact.
- 4 Select "Add Favorite".
- 5 Check that a confirmation screen is displayed when the operation is complete.

■ Deleting favorites from the favorites list

- 1 Select "Remove Favorite".
- 2 Select the desired contacts and press the  button on the Remote Touch.

"Select All": Select all items in the list.

"Unselect All": Unselect all items in the list.

"Remove": Remove selected items in the list.

- 3 Select "Remove".
- 4 Select "Yes" when the confirmation screen appears.
- 5 Check that a confirmation screen is displayed when the operation is complete.

■ Deleting favorites from the favorites list in a different way (from the contact details screen)

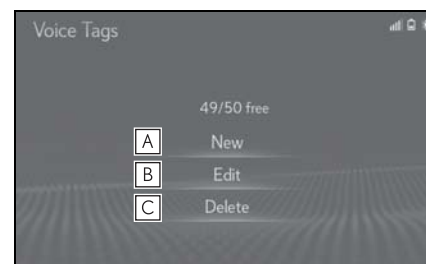
- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Phone".
- 3 Select  "Contacts" or  "Favorites" on the sub menu and then select the favorite you wish to delete.
- 4 Select "Remove Favorite".

- 5 Select "Yes" when the confirmation screen appears.
- 6 Check that a confirmation screen is displayed when the operation is complete.

Setting voice tags

Calls can be made by saying the voice tag of a registered contact in the contact list. (→P.180)

- 1 Select "Manage Voice Tags".
- 2 Select the desired item to be set.



- A** Select to register a new voice tag. (→P.273)
- B** Select to edit a voice tag. (→P.274)
- C** Select to delete a voice tag. (→P.274)

■ Registering a voice tag

Up to 50 voice tags can be registered.

- 1 Select "New".
- 2 Select the desired contact to register a voice tag for.
- 3 Select "Rec" and record a voice tag.
- When recording a voice tag, do so in a quiet area.

"Play": Select to play the voice tag.

- 4 Select "OK" when voice tag registration is complete.

■ Editing a voice tag

- 1 Select "Edit".
- 2 Select the desired contact to edit.
- 3 Follow the steps in "Registering a voice tag" from step 3. (→P.273)

■ Deleting the voice tag

- 1 Select "Delete".
- 2 Select the desired contact and press the  button on the Remote Touch.

"Select All": Select all items in the list.

"Unselect All": Unselect all items in the list.

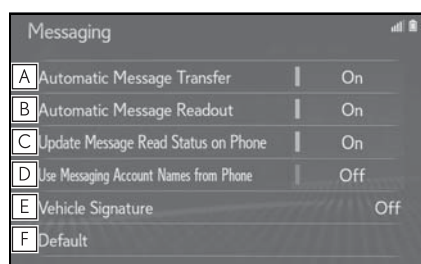
"Delete": Delete selected items in the list.

- 3 Select "Delete".
- 4 Select "Yes" when the confirmation screen appears.

- Multiple data can be selected and deleted at the same time.
- Voice tags are deleted when the set language of the system is changed. (→P.67)

Message settings screen

- 1 Display the phone settings screen:
 - "MENU" button → "Setup" →  "Phone"
- 2 Select "Messaging".
- 3 Select the desired item to be set.

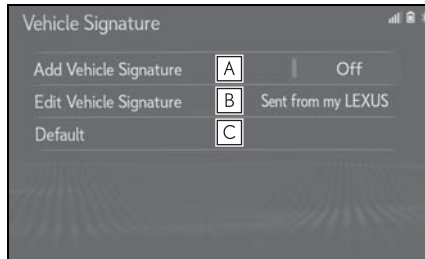


- A** Select to set automatic message transfer on/off.
- B** Select to set automatic message readout on/off.
- C** Select to set updating message read status on phone on/off.
- D** Select to set display of messaging account names on the message screen on/off.
When set to on, messaging account names used on the cellular phone will be displayed.
- E** Select to change the vehicle signature settings. (→P.275)
- F** Select to reset all setup items.

- Depending on the phone, these functions may not be available.

Vehicle signature settings

- 1 Select "Vehicle Signature".
- 2 Select the desired item to be set.



- A** Select to set adding the vehicle signature to outgoing messages on/off.
- B** Select to edit the vehicle signature. (→P.275)
- C** Select to reset all setup items.

■ Editing vehicle signature

- 1 Select "Edit Vehicle Signature".
- 2 Enter desired signature with using keyboard.
- 3 Select "OK".
- 4 Select "OK" on the confirmation screen, or select "Edit Again" when it needs to amend.

Troubleshooting

If you notice any of the following symptoms, refer to the likely cause and the solution, and re-check.

Troubleshooting

■ When using the hands-free system with a Bluetooth® device

The hands-free system or Bluetooth® device does not work.

Likely cause	Solution
The connected device may not be a compatible Bluetooth® cellular phone.	For a list of specific devices which operation has been confirmed on this system, check with your Lexus dealer or the following web-site: http://www.lexus.com/MobileLink
The Bluetooth® version of the connected cellular phone may be older than the specified version.	Use a cellular phone with Bluetooth® version 2.0 or higher (recommended: Ver. 4.2 or higher). (→P.46)

■ When registering/connecting a cellular phone

A cellular phone cannot be registered.

Likely cause	Solution
An incorrect pass-code was entered on the cellular phone.	Enter the correct passcode on the cellular phone.
The registration operation has not been completed on the cellular phone side.	Complete the registration operation on the cellular phone (approve registration on the phone).
Old registration information remains on either this system or the cellular phone.	Delete the existing registration information from both this system and the cellular phone, then register the cellular phone you wish to connect to this system. (→P.51)

A Bluetooth® connection cannot be made.

Likely cause	Solution
Another Bluetooth® device is already connected.	Manually connect the cellular phone you wish to use to this system. (→P.48)
Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.
Automatic Bluetooth® connection on this system is set to off.	Set automatic Bluetooth® connection on this system to on when the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>. (→P.53)

Likely cause	Solution
Preferred device settings function on this system is set to on.	Set preferred device settings function on this system to off. (→P.53)
	Set the desired cellular phone to the highest automatic connection priority. (→P.53)

A cellular phone cannot be connected.

Likely cause	Solution
Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.
Old registration information remains on either this system or the cellular phone.	Delete the existing registration information from both this system and the cellular phone, then register the cellular phone you wish to connect to this system. (→P.51)

■ When making/receiving a call

A call cannot be made/received.

Likely cause	Solution
Your vehicle is in a  area.	Move to where  no longer appears on the display.

■ When using the phonebook

Phonebook data cannot be transferred manually/automatically.

Likely cause	Solution
The profile version of the connected cellular phone may not be compatible with transferring phonebook data.	For a list of specific devices which operation has been confirmed on this system, check with your Lexus dealer or the following web-site: http://www.lexus.com/MobileLink
Automatic contact transfer function on this system is set to off.	Set automatic contact transfer function on this system to on. (→P.268)
Passcode has not been entered on the cellular phone.	Enter the passcode on the cellular phone if requested (default passcode: 1234).
Transfer operation on the cellular phone has not completed.	Complete transfer operation on the cellular phone (approve transfer operation on the phone).

Phonebook data cannot be edited.

Likely cause	Solution
Automatic contact transfer function on this system is set to off.	Set automatic contact transfer function on this system to on. (→P.268)

■ When using the Bluetooth® message function

Messages cannot be viewed.

Likely cause	Solution
Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).
Automatic transfer function on this system is set to off.	Set automatic contact transfer function on this system to on. (→P.268)

New message notifications are not displayed.

Likely cause	Solution
Notification of SMS/MMS/E-mail reception on this system is set to off.	Set notification of SMS/MMS/E-mail reception on this system to on. (→P.267)
Automatic message transfer function is not enabled on the cellular phone.	Enable automatic transfer function on the cellular phone.

■ In other situations

The Bluetooth[®] connection status is displayed at the top of the screen each time the engine switch <power switch> is in ACCESSORY or IGNITION ON mode <ON mode>.

Likely cause	Solution
Connection confirmation display on this system is set to on.	To turn off the display, set connection confirmation display on this system to off. (→P.53)

Even though all conceivable measures have been taken, the symptom status does not change.

Likely cause	Solution
The cellular phone is not close enough to this system.	Bring the cellular phone closer to this system.
Radio interference has occurred.	Turn off Wi-Fi [®] devices or other devices that may emit radio waves.
The cellular phone is the most likely cause of the symptom.	Turn the cellular phone off, remove and reinstall the battery pack, and then restart the cellular phone.
	Enable the cellular phone's Bluetooth [®] connection.
	Stop the cellular phone's security software and close all applications.
	Before using an application installed on the cellular phone, carefully check its source and how its operation might affect this system.

For details, refer to the owner's manual that came with the cellular phone.

9-1. Lexus Enform overview

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Functional overview

Lexus Enform is a service that includes Safety Connect, Service Connect, Remote, Destinations, Dynamic Navigation, Wi-Fi® Hotspot and App Suite.

Functional overview

- The functions included in Lexus Enform are classified into the following four types.
- Type A: Function achieved by using a smartphone or an embedded cellular device in the vehicle (DCM: Data Communication Module) and the system
- Type B: Function achieved by using DCM and the system
- Type C: Function achieved by using DCM
- Type D: Function achieved by using DCM and a smartphone

Function	Type
App Suite	Type A
Destinations (Destination Assist), Dynamic Navigation, Wi-Fi® Hotspot	Type B
Safety Connect	Type C
Remote, Service Connect	Type D

- Availability of functions of the Lexus Enform service is dependent on network reception level.
- Each function is available in the following areas:
- Lexus Enform App Suite 2.0 is available in the contiguous United States, Washington D.C., Alaska, Hawaii, Puerto Rico

and Canada.

- Lexus Enform App Suite 2.0 is not available in the United States Virgin Islands.
- Lexus Enform Destinations is available in the contiguous United States, Washington D.C. Puerto Rico, Hawaii, Canada, and limited areas of Alaska for vehicles that contain the appropriate map data.
- Lexus Enform Destinations is not available in the United States Virgin Islands.
- Lexus Enform Dynamic Navigation is available in the contiguous United States, Washington D.C. and Alaska.
- Lexus Enform Dynamic Navigation is not available in Puerto Rico, Canada, and the United States Virgin Islands.
- Lexus Enform Wi-Fi® Hotspot is available in the contiguous United States, Washington D.C., Alaska and Hawaii.
- Lexus Enform Wi-Fi® Hotspot is not available in Puerto Rico, Canada, and the United States Virgin Islands.
- Lexus Enform Safety Connect features include:
Automatic Collision Notification, Emergency Assistance, S.O.S, Stolen Vehicle Location (available in the contiguous United States, Washington D.C., Hawaii, Alaska, Puerto Rico and Canada) and Enhanced Roadside Assistance (available in the contiguous United States, Washington D.C., Alaska, Puerto Rico and Canada).
- Lexus Enform Safety Connect is not available in the United States Virgin Islands.
- Lexus Enform Remote is available in the United States, Puerto Rico and Canada.
- Lexus Enform Service Connect is available in the United States, Puerto Rico and Canada.

tion server and contents provider. The smartphone can be opened while communication, though the phone will display the Enform HS App lock screen. The smartphone cannot be operated while communicating.

D Applications

Display usable content from the content providers on the screen using the data connection of the connected smartphone or DCM.

E System

Content received, via a smartphone or DCM, from content provider servers is displayed on the screen. The system is equipped with an application player to run applications.

F Via DCM

* : For known compatible phones, refer to <http://www.lexus.com/MobileLink>.

Before using the function

■ Subscription

- App Suite does not require an activation fee or monthly recurring fees.
- Services requiring a separate contract can also be used.*

*: For details, refer to <http://www.lexus.com/enform/> or call 1-800-255-3987.

■ Availability of function

- Lexus Enform App Suite 2.0 is available in the contiguous United States, Washington D.C., Alaska, Hawaii, Puerto Rico and Canada.
- Lexus Enform App Suite 2.0 is not available in the United States Virgin Islands.

- Data usage fees may apply while using App Suite function. Confirm data usage fees before using this function.
- The required operations to activate applications and connect a smartphone to the system, and the registration steps for the App Suite are explained in this section. For details regarding operation of the App Suite and the applications, refer to <http://www.lexus.com/enform/>.
- Availability of functions of the Lexus Enform service is dependent on network reception level.

■ Initializing personal data

The personal data used in applications can be reset. (→P.71)

- The following personal data can be deleted and returned to their default settings:
 - Downloaded contents

- Radio stations that were listened to

- Once initialized, the data and settings will be erased. Pay much attention when initializing the data.

Preparation before using Lexus Enform App Suite 2.0

■ Settings required to use Lexus Enform App Suite 2.0

Perform the settings in the following order.

- 1 Download the App Suite application to your smartphone or the system.
- 2 Register a Bluetooth® phone with the hands-free system. (→P.43)

- Applications can only be used when the App Suite application has been downloaded to your smartphone or the system, and the application is running.
- App Suite operational procedures can also be confirmed by visiting <http://www.lexus.com/enform/>.
- If a App Suite application is used while iPod audio/video is being played back, system operation may become unstable.

Type B: Function achieved by using DCM and the system

The functionality of Lexus Enform Destinations, Dynamic Navigation, and Wi-Fi® Hotspot is made possible through the shared work of the DCM and the system.

Lexus Enform Destinations and Dynamic Navigation are subscription-based telematics services that use Global Positioning System (GPS) data and embedded cellular technology to provide safety and security as well as convenience features.

These services are available by subscription on select, telematics hardware-equipped vehicles and supported by Lexus designated response center, which operates 24 hours a day, 7 days a week.

For details about:

- Dynamic Navigation:→P.90, 99, 121
- Wi-Fi® Hotspot:→P.56

Before using the function**■ Subscription**

- After you have signed the Telematics Subscription Service Agreement and are enrolled, you can begin receiving services. A variety of subscription terms are available. Contact your Lexus dealer, or call 1-800-25-LEXUS (1-800-255-3987) in the United States (1-800-26-LEXUS in Canada) (1-877-539-8777 in Puerto Rico), for further subscription details. (→P.285)

■ Availability of functions

- Lexus Enform Destinations is available in the contiguous United States, Washington D.C. Puerto Rico, Hawaii, Canada, and limited areas of Alaska for vehicles that contain the appropriate map data.
- Lexus Enform Destinations is not available in the United States Virgin Islands.
- Lexus Enform Dynamic Navigation is available in the contiguous United States, Washington D.C. and Alaska.
- Lexus Enform Dynamic Navigation is not available in Puerto Rico, Canada, and the United States Virgin Islands.
- Lexus Enform Wi-Fi® Hotspot is available in the contiguous United States, Washington D.C., Alaska and Hawaii.

- Lexus Enform Wi-Fi® Hotspot is not available in Puerto Rico, Canada, and the United States Virgin Islands.

Type C: Function achieved by using DCM

The functionality of Lexus Enform Safety Connect is made possible by the use of a DCM.

For details, refer to "OWNER'S MANUAL".

- Free/Open Source Software Information
This product contains Free/Open Source Software (FOSS).
The license information and/or the source code of such FOSS can be found at the following URL.
<https://www.denso.com/global/en/opensource/dcm/toyota/>
- Exposure to radio frequency signals:
The Lexus Enform system installed in your vehicle includes a low power radio transmitter and receiver. The system receives and also sends out radio frequency (RF) signals.
- In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for mobile wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies.
 - ANSI (American National Standards Institute) C95.1 [1992]
 - NCRP (National Council on Radiation Protection and Measurement) Report 86 [1986]
 - ICNIRP (International Commission on Non-Ionizing Radiation Protection) [1996]
- These standards are based on comprehensive and periodic evaluations of the relevant scientific literature. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).
- The design of Lexus Enform system complies with the FCC guidelines in addition to those standards.
- Contact with the Lexus response center is dependent upon the telematics device being in operative condition, cellular connection availability, navigation map data, and GPS satellite signal reception, which can limit the ability to reach the response center or receive support. Enrollment and Telematics Subscription Service Agreement required. A variety of subscription terms are available; charges vary by subscription term selected.
- The Lexus response center offers support in multiple languages.
- Select Lexus Enform Safety Connect-subscribed vehicles are capable of communicating vehicle information. Please see the terms and conditions for additional details.
Owners who do not wish to have their vehicle transmit this information can opt out at the time of enrollment or by calling 1-800-255-3987 and following the prompts for Lexus Enform Safety Connect.
- For further details about the service, contact your Lexus dealer.
- Lexus Enform functions are not subject to section 255 of the Telecommunications Act and the system is not TTY compatible.

- Certification
- ▶ For vehicles sold in the U.S.A., Canada and Puerto Rico

FCC ID: JOYDA39

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

CAUTION : Radio Frequency Radiation Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

IC: 574B-DA39

NOTE

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The antenna cannot be removed (and changed) by user.

Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

CAUTION: Radio Frequency Radiation Exposure

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

NOTE

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'utilisateur n'est pas autorisé à retirer (ou modifier) l'antenne.

Emplacement: Cet émetteur ne doit pas être installé ou utilisé conjointement avec d'autres antennes ou émetteurs.

ATTENTION : exposition aux radiofréquences

Cet équipement est conforme aux limites d'exposition aux rayonnements ISDE établies pour un environnement non contrôlé et satisfait à la norme CNR-102 de la réglementation ISDE sur l'exposition aux radiofréquences (RF). Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et le corps.

Type D: Function achieved by using DCM and a smartphone

The functionality of Lexus Enform Remote and Lexus Enform Service Connect are made possible by the use of a DCM and a smartphone.

For details about these services, refer to <http://www.lexus.com/enform/>.

Lexus Enform Remote

Lexus Enform Remote is a smartphone application that lets you view and remotely control certain aspects of your vehicle.

■ Subscription

- After you sign the Telematics Subscription Service Agreement (see the Lexus Enform Safety Connect section in "OWNER'S MANUAL"), download the Lexus app from your smartphone's app store, and register within the app (or enroll and complete registration at the dealer), you can begin using these services.
- A variety of subscription terms are available. Contact your Lexus dealer, or call 1-800-25-LEXUS (1-800-255-3987) for further subscription details.

■ Availability of function

- Lexus Enform Remote is available in the United States, Puerto Rico and Canada.

- Availability of functions of the Lexus Enform Remote is dependent on network reception level.



WARNING

- Operating Lexus Enform Remote incorrectly may lead to unforeseen accidents or malfunctions. Check the vehicle condition and assume full responsibility before using.

- Lexus Enform Remote should only be used by authorized users.
- Laws in some communities may require that the vehicle be within view of the user when operating Lexus Enform Remote. In some states, use of Lexus Enform Remote may violate state or local laws. Before using Lexus Enform Remote, check your state and local laws.
- Any malfunction of the vehicle should be repaired by your Lexus dealer.
- Lexus Enform Remote is designed to work at temperatures above approximately -22 °F (-30 °C). This specification is related to the Lexus Enform Remote operation, but is dependent on the vehicle's operating temperature range which may be different.
- Content is subject to change without notice.
- Additional information can be found at www.lexus.com/enform/.

Lexus Enform Service Connect

Lexus Enform Service Connect uses DCM to collect and transmit vehicle data that allows Lexus to provide:

- Vehicle Health Report (VHR)
(Safety Recalls, Service Campaigns, Current Vehicle Alerts, Required Maintenance, and Vehicle Condition Status)
- Maintenance Notifications
- Vehicle Alert Notifications

■ Availability of function

- Lexus Enform Service Connect is available in the United States, Puerto Rico and Canada.
-
- Availability of functions of the Lexus Enform Service Connect is dependent on network reception level.

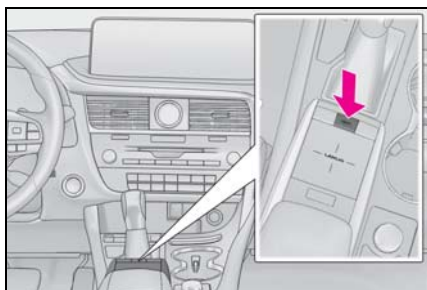
Lexus Enform App Suite 2.0

App Suite is a function that enables certain apps installed on a smartphone or the system to be displayed on and operated from the system screen. Before the Lexus Enform App Suite 2.0 can be used, some setup needs to be performed. (→P.285)

For details about the functions and services provided by each application, refer to <http://www.lexus.com/enform/>.

Using Lexus Enform App Suite 2.0

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Apps".
- 3 Select the desired application screen button.

: Select to activate an application.

"Update": Select to update the applications. (→P.294)

"App Catalog": Select to change the order of the applications. (→P.295)

: Displays the number of new notifications for the application

Updating an application

When the App Suite is activated, an application may need to be updated. To update an application, it is necessary to download update data and install it.

■ Downloading update

If an update is available, "Update" can be selected.

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Apps".
- 3 Select "Update".
- 4 Check that downloading starts.

"Download in Background": Select to operate other functions while downloading.

"Cancel": Select to cancel updating.

- 5 Check that downloading is complete.

"Later": Select to install later. When this screen button is selected, the screen will return to the last displayed screen. To install the update data: (→P.294)

"See Detail": Select to display detailed information on the update data.

"Install": Select to install the update data. Follow the steps "Installing the update data" from step 4. (→P.294)

■ Installing the update data

After the downloading is complete, "Update" will be changed to "Install".

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Apps".
- 3 Select "Install".
- 4 Select "Continue".

"Later": Select to postpone the installation of the update data and go back to the previous screen.

5 Check that installing is started.

"Install in Background": Select to operate other functions while installing.

6 Select "OK" after the installing is complete.

- The App Suite function cannot be operated while installing.

Reordering the applications

Order of the applications can be changed.

- 1** Press the "MENU" button on the Remote Touch.
 - 2** Select "Apps".
 - 3** Select "App Catalog".
 - 4** Select the desired application to be moved.
 - 5** Select ◀ or ▶ to move the application, and then select the done button.
- Without navigation function: When selecting "Navi App Info" screen on Home screen(→P.36), Navigation application at the first position after reordering is displayed.

If a message appears on the screen

When problems occur with starting the application player, a message will appear on the screen. Referring to the table below, identify the problem and take the suggested corrective action.

- "When it is safe and legal to do so, please ensure your Enform App Suite application is running and logged in on your phone."

The Lexus Enform App Suite 2.0 application cannot be connected to Bluetooth® SPP.

Refer to <http://www.lexus.com/enform/> to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the App Suite application.

- "Installation failed, please try again"

Installation can be attempted again by changing to the application screen and pressing the "Install" switch.

- "Application download error. Please try again later."

Downloading can be attempted again by checking the communication status, changing to the application screen and pressing the "Download" switch again.

- "Download error, some Enform App Suite functions may not work as expected. Please reinitiate the download process."

The Lexus Enform App Suite 2.0 application cannot be connected to Bluetooth® SPP.

Refer to <http://www.lexus.com/enform/> to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the

App Suite application.

Please ensure your Enform App Suite application is running and logged in on your phone while vehicle is not moving.

- "To use the services, Enform App Suite 2.0 application needs to be running on your phone. For more information, please visit lexus.com or call 1-800-255-3987."

The Lexus Enform App Suite 2.0 application cannot be connected to Bluetooth® SPP.

Refer to <http://www.lexus.com/enform/> to confirm if the phone is Bluetooth® SPP compatible or not, and then activate the App Suite application.

- "Communication unsuccessful. Please try again."

Communication was disconnected.

After a few moments, retry the operation.

Entering keyword operation

A keyword can be entered to an application by the software keyboard or voice recognition function. For details about the functions and services provided by each application, refer to <http://www.lexus.com/enform/>.

- The keyboard layout can be changed. (→P.67)

Entering a keyword using the software keyboard

- 1 Press the "MENU" button on the Remote Touch.
 - 2 Select "Apps".
 - 3 Select the desired application screen button.
 - 4 Select the character entering space.
 - 5 Enter a search term, and then select "OK".
 - 6 Entering characters will be reflected on the character entering space.
- For details on operating the keyboard: →P.38

Entering a keyword using the voice recognition function

- 1 Press the "MENU" button on the Remote Touch.
 - 2 Select "Apps".
 - 3 Select the desired application screen button.
 - 4 Press the talk switch. (→P.180)
 - 5 Say the desired keyword.
- Completion of the keyword will be detected automatically.
- 6 Search results will be displayed on the screen.

Lexus Enform Destinations

Destination Assist

Destinations provide you with live assistance for finding destinations via the Lexus response center. You can request either a specific business, address, or ask for help locating your desired destination by category, such as restaurants, gas stations, shopping centers or other Points of Interest (POI).

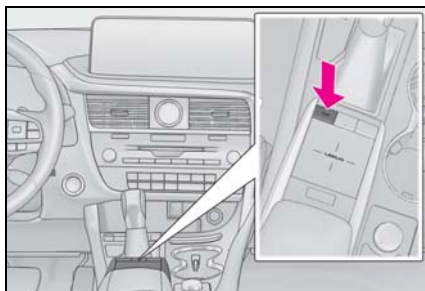
After you tell the agent your choice of destination, its coordinates are sent wirelessly to your vehicle's navigation system.

- The hands-free system cannot be used while Destination Assist is being used.

Make a call with Destination Assist

■ From the map screen

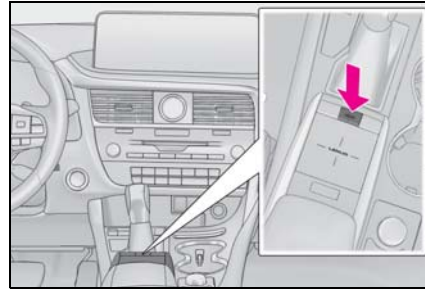
- 1 Press the "MAP" button on the Remote Touch.



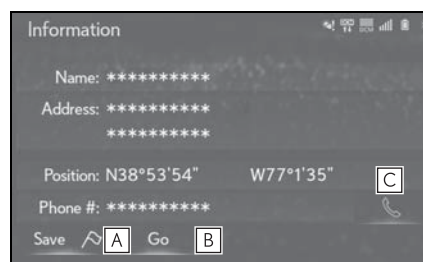
- 2 Select .
- 3 Follow the steps in "From the menu screen" from step 3. (→P.297)

■ From the menu screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Destination".
- 3 Select "Dest Assist".
- 4 When an agent comes on the line, tell the agent the address, business name, or the type of POI or service.
 - To adjust the call volume, select "-" or "+", or use the volume switch on the steering wheel during the call.
 - To hang up the phone, select "End" or press the  switch on the steering wheel.
- 5 After the agent helps you determine your location of choice, this screen is displayed. Select the screen button of the desired action.



- A Select to register as a memory point.
- B Select to set as a destination.

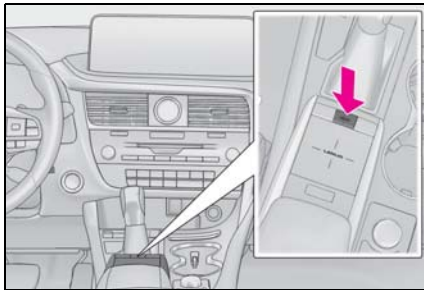
- ☐ Select to call the registered number.

Lexus Enform App Suite 2.0 settings

The settings of App Suite can be changed.

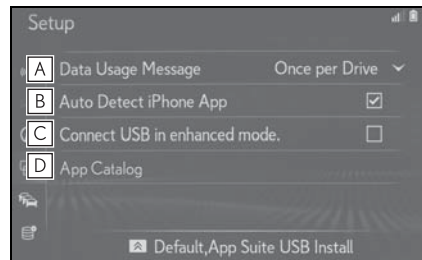
Displaying the Lexus Enform App Suite 2.0 settings screen

- 1 Press the "MENU" button on the Remote Touch.



- 2 Select "Setup".
- 3 Select  "Enform App Suite" on the sub menu.
- 4 Select the desired items to be set.

Lexus Enform App Suite 2.0 settings screen



- Select to set the pop up reminder for smartphone data usage.
- Select to detect iPhone app automatically on/off.
- Select to set the enhanced mode with connecting USB device on/off.
 - When an iPhone is connected while this setting is set to "On", communication with devices connected to other USB ports may not be possible. Also, depending on the device, charging may not be possible.
- Select to configure the Enform Apps menu layout (e.g. app order, which applications are activated, etc.). This updates a setting file stored on the Lexus Enform App Suite 2.0 Server, this settings file can also be updated from the navigation system, smartphone app and by web portal.

- By pressing the  button on the Remote Touch, following buttons can be displayed.

"Default": Select to reset all setup items.

"App Suite USB Install": Select to install the Apps via a USB memory device. For details, contact your Lexus dealer.

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For more information about the following items, see the "OWNER'S MANUAL".

- Air conditioning
- Energy monitor (RX450h/RX450hL)
- Fuel consumption
- Drive Mode customization
- PKSA (Parking Support Alert)
- PKSB (Parking Support Brake)

Map database information and updates

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Certification

- For vehicles sold in the U.S.A., Hawaii, Guam, Saipan and Puerto Rico

FCC ID: AJDK097

[For 2.4 GHz Radio Transmitters]

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This device complies with Part 15 of FCC Rules and Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

Information to User - Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

FEDERAL COMMUNICATIONS COMMISSION
SUPPLIER'S DECLARATION OF CONFORMITY

Product Name: In-vehicle equipment

Model Number: CVH-8898 CVH-9598

Responsible Party Name: PIONEER ELECTRONICS (USA), INC.
SERVICE SUPPORT DIVISION

Address: 2050 W. 190TH STREET, SUITE 100, TORRANCE,
CA 90504, U.S.A.

Phone: 1-800-421-1404

URL: <http://www.pioneerelectronics.com>

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION: The use of optical instruments with this product will increase eye hazard.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information to User - Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

FEDERAL COMMUNICATIONS COMMISSION
SUPPLIER'S DECLARATION OF CONFORMITY

Product Name: In-vehicle equipment

Model Number: GM-4298,GM-4698,GM-4798,GM-4898,
GM-4998,GM-5098,GM-5198,GM-5298,GM-5398

Responsible Party Name: PIONEER ELECTRONICS (USA), INC.

SERVICE SUPPORT DIVISION

Address: 2050 W. 190TH STREET, SUITE 100, TORRANCE,
CA 90504, U.S.A.

Phone: 1-800-421-1404

URL: <http://www.pioneerelectronics.com>

FCC ID: ACJ932AT1607

NOTE:

<§15.19(a)(3)> This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING:

<§15.21> Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION:

<§2.1091> Radio frequency radiation exposure information:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

FCC Warning:

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

- For vehicles sold in Canada

IC: 775E-K097

[For 2.4 GHz Radio Transmitters]

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

[Pour 2,4 GHz émetteurs radio]

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques

(RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

This device complies with Part 15 of FCC Rules and Innovation, Science, and Economic Development Canada licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage; (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE:

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie II) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

CAUTION:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

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