

Quick guide	• Overview	1
Basic function	• Information to be read before operation • Connecting the Bluetooth® device	2
Settings	• Bluetooth® settings • Other settings	3
Phone	• Operating the phone (Hands-free system for cellular phones)	4
Apps	• Apple CarPlay • Android Auto • SiriusXM Travel Link	5
Audio	• Listening to the radio • Enjoying music	6
Voice command system	• Operating the voice command system	7
Connected Services	• Safety connect • Remote connect	8
What to do if...	• Troubleshooting	9
Reference	• Certification	10
Index	• Search alphabetically	

2 TABLE OF CONTENTS

Introduction	4
Reading this manual	5

1 Quick guide

1-1. Basic function

Buttons overview	8
Home screen	9
Status icon	10
Settings screen	11

2 Basic function

2-1. Basic information before operation

Initial screen	14
Touch screen	15
Home screen	16
Entering letters and numbers/list screen operation	17
Screen adjustment	18

2-2. Connectivity settings

Connecting/Disconnecting a USB memory device/portable device	19
Registering/Connecting a Bluetooth® device	19

3 Settings

3-1. Bluetooth® settings

Bluetooth® settings	24
---------------------------	----

3-2. Other settings

General settings	29
Sound settings	36
Radio settings	37
Maintenance settings	40

4 Phone

4-1. Phone operation (Hands-free system for cellular phones)

Phone screen	42
Some basics	43
Calling on the Bluetooth® phone	46
Receiving on the Bluetooth® phone	48
Talking on the Bluetooth® phone	49
Bluetooth® phone message function	50

5 Apps

5-1. Before using applications

Before using applications	56
---------------------------------	----

5-2. Apple CarPlay

Apple CarPlay	59
---------------------	----

5-3. Android Auto

Android Auto	61
--------------------	----

5-4. SiriusXM Travel Link

SiriusXM Travel Link	63
----------------------------	----

6 Audio

6-1. Basic operation

Some basics	68
-------------------	----

6-2. Radio operation

AM radio/FM radio	71
SiriusXM Radio	75

6-3. Media operation

USB memory	81
iPod/iPhone	82
Bluetooth® audio	85
AUX	88

Android Auto	89	1
6-4. Audio remote controls		
Steering switches	91	
6-5. Tips for operating the audio system		2
Operating information.....	92	
7 Voice command system		3
7-1. Voice command system operation		4
Voice recognition system	98	
Command list	99	5
8 Connected Services		6
8-1. Connected Services overview		
Functional overview	104	7
Type A: Function achieved by using DCM	104	
Type B: Function achieved by using DCM and a smartphone	105	8
9 What to do if...		9
9-1. What to do if...		
Troubleshooting	108	10
10 Reference		
10-1. Reference		
Certification	118	
How to get the source code using the open source.....	124	
Index		
Alphabetical Index.....	126	

Introduction

Multimedia system owner's manual

This manual explains the operation of this 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 and connected services subscription status at the time this manual was produced.

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.

TOYOTA MOTOR CORPORATION

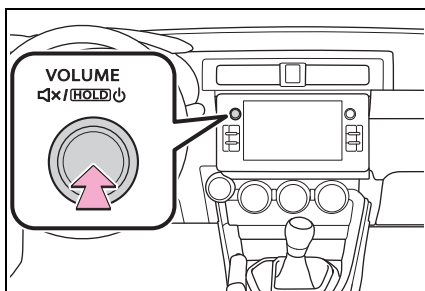
Reading this manual

Explains symbols used in this manual

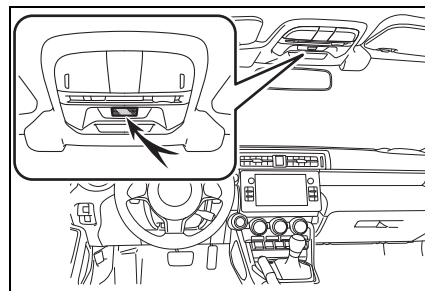
Symbols in this manual

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.



Symbols	Meanings
	Indicates the component or position being explained.

Safety instruction

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 peo-

ple 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.

Precautions for use

If a device that uses wireless communication is installed in the vehicle, functions using a Bluetooth device, the radio broadcast receiver, navigation system, etc. may not operate properly.

Quick guide

1

7

1

Quick guide

1-1. Basic function

Buttons overview..... 8

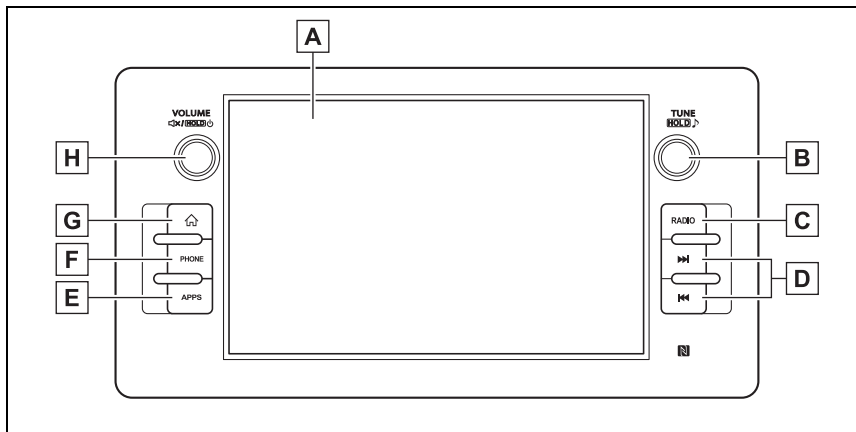
Home screen..... 9

Status icon10

Settings screen11

Buttons overview

Operations of each part



- A** By touching the screen with your finger, you can control the selected functions. (→P.15, 15)
- B** Turn the knob to select a radio station or skip to the next or previous track/file.
 - Press and hold the knob to display the sound customization screen. (→P.69)
- C** Press to display the radio screen. (→P.71, 75)
- D** Press to seek up or down for a radio station or to access a desired track/file. (→P.71, 75, 81, 82, 85, 89)
- E** Press to display the apps screen. (→P.56)
- F** Press to access the Bluetooth® hands-free system. (→P.42)
- G** Press to display the home screen. (→P.9)
- H** Turn the knob to adjust the volume.
 - Press and hold the knob until a message is displayed, and then select "OK" or wait a few seconds for the audio system to turn off. Press and hold the knob to turn the audio system on.
 - Press and hold the knob for 10 seconds or longer to restart the system.

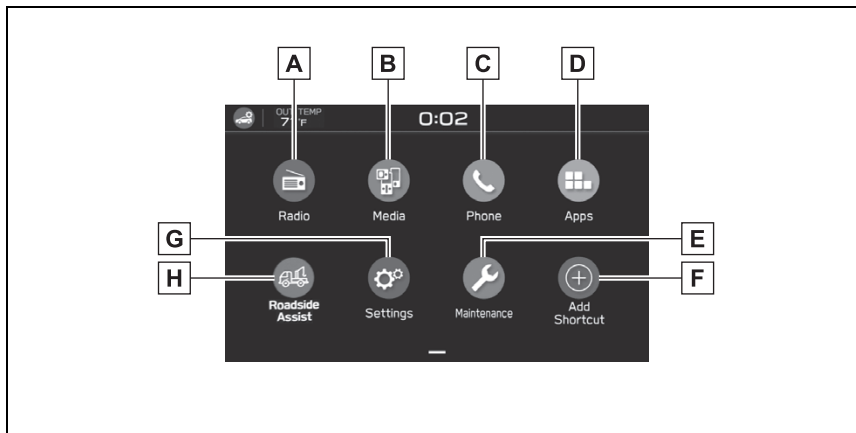
Home screen

1

Quick guide

Home screen operation

Press the  button to display the home screen.



- A** Select to display the radio screen. (→P.68)
- B** Select to display the media screen. (→P.68)
- C** Select to display the phone screen. (→P.42)
- D** Select to display the apps screen. (→P.56)
- E** Select to display the maintenance screen. (→P.40)
- F** Select to display the add shortcut screen. (→P.16)
- G** Select to display the settings screen. (→P.11)
- H** Select to display the roadside assist screen.*

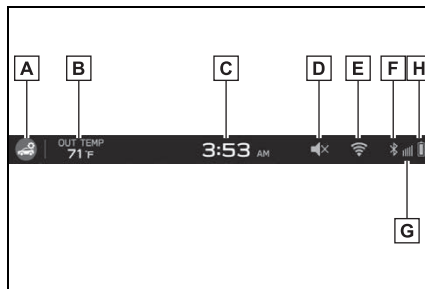
*: Refer to the "OWNER'S MANUAL".

- While Apple CarPlay or Android Auto is being used, an Apple CarPlay or Android Auto icon will be displayed on the home screen.

Status icon

Status icons are displayed at the top of the screen.

Status icon explanation



- A** Select to display the car settings screen.*
- B** Display an outside temperature.
- C** Display a current time.
Select to display the clock setting screen.*
- D** This icon is displayed when the audio system volume is mute.
- E** Display the level of Wi-Fi® reception.
- F** This icon is displayed when the Bluetooth® connection is established.
- G** Display the level of phone reception.
- H** Display the remaining of Bluetooth® device battery charge.

*: Refer to the "OWNER'S MAN-

UAL".

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.

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

► While using Wi-Fi® function.

Level	Indicators*
Poor	
Excellent	

*: When Wi-Fi® function is off, no item is displayed.

► While connected with cellular phone

Level	Indicators*
Poor	
Excellent	

*: If a cellular phone is not connected via Bluetooth®, this icon will not be 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.

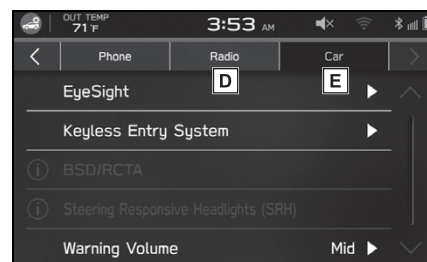
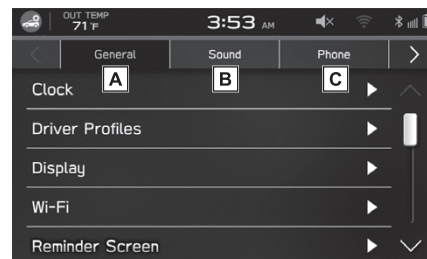
Remaining charge	Indicators
Empty	
Full	

Settings screen

Settings screen

Press the  button, then select "Settings" to display the settings screen.

Select the items to be set.



- A** Select to display the general settings screen. (→P.29)
- B** Select to display the sound settings screen. (→P.36)
- C** Select to display the phone settings screen. (→P.24)
- D** Select to display the radio settings screen. (→P.37)
- E** Select to display the car settings screen.*

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

2-1. Basic information before operationInitial screen..... **14**Touch screen..... **15**Home screen..... **16**Entering letters and numbers/list screen operation
..... **17**Screen adjustment **18****2-2. Connectivity settings**Connecting/Disconnecting a
USB memory device/portable device **19**Registering/Connecting a
Bluetooth® device **19**

Initial screen

When the engine switch is changed to ACC or ON, the initial screen will be displayed and the system will begin operating.

Caution screen

After a few seconds, the “CAUTION” screen will be displayed. Selecting “I Agree”, the caution screen switches to the next screen.

WARNING

- When the vehicle is stopped with the engine running, always apply the parking brake for safety.

Maintenance information

This system reminds users when to replace certain parts or components on the screen.

When the vehicle reaches a previously set driving distance or date, the maintenance reminder screen will be displayed when the system is turned on.

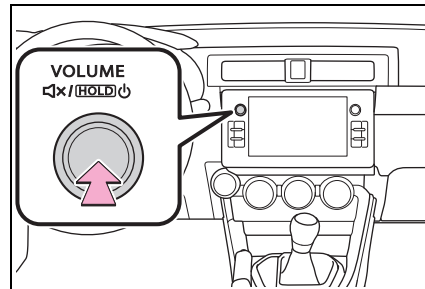
- To register maintenance information: →P.40

Restarting the system

If the touch screen becomes unresponsive during operation or if any other system error

occurs, the system can be restarted.

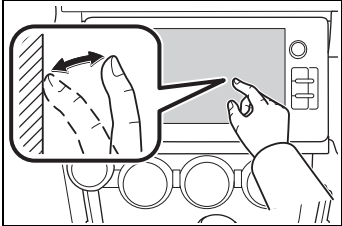
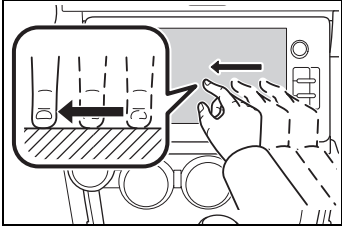
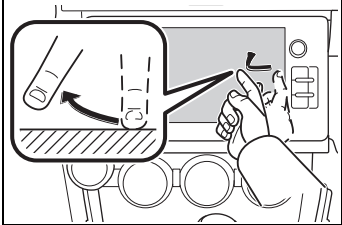
- 1 Press and hold the “VOLUME” knob for 10 seconds or longer.



Touch screen

Touch screen gestures

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

Operation method	Outline	Main use
	• Touch Quickly touch and release once.	• Changing and selecting various settings
	• Drag* Touch the screen with your finger, and move the screen to the desired position.	• Scrolling the lists
	• Swipe* Quickly move the screen by swiping with your finger.	• Scrolling the main screen page

*: The above operations may not be performed on all screens.

● Swipe operations may not be performed smoothly in high altitudes.

Touch screen operation

This system is operated mainly by the buttons on the screen. (Referred to as screen buttons in this manual.)

When a screen button is touched, a tone sounds. The tone sound can be adjusted. (→P.36)

- If the system does not respond to touching a screen button, move your finger away from the screen and then touch it again.
- Dimmed screen buttons cannot be operated.
- The displayed image may become darker and moving images may be slightly distorted when the screen is cold.
- When it is extremely cold, screens may not be displayed properly and the data input by a user may be deleted. Also, the screen buttons may not operate correctly.
- When  is displayed on the screen, select  to return to the previous screen.
- If the touch screen is operated while wearing gloves, it may be unresponsive or may not function properly.



NOTICE

- 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.
- Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the screen, as they may damage the touch screen.

Home screen

Home screen operation

Shortcut icons for various functions can be added to the home screen when the home screen shortcut function is turned on. (→P.29)

- 1 Press the  button.
- 2 Select "Add Shortcut".
- 3 Select the desired function.
- 4 Select the desired shortcut function.
- Depending on the function, select other items and enter necessary information.
- 5 Check that the shortcut icon is displayed on the home screen.

- When shortcuts are added, the home screen can be expanded to up to 3 pages. The page can be changed by swiping.

Moving and deleting shortcut icons

Users can rearrange the home screen buttons when the home screen shortcut function is turned on. (→P.29)

Moving shortcut icons

- 1 Select and hold the shortcut icon to enter edit mode.

- 2 Drag the button to the desired position.
- User can move buttons to another page by dragging them to the corresponding end of the screen if the number of buttons allows for multiple pages.
- 3 Press the  button to leave the edit mode.

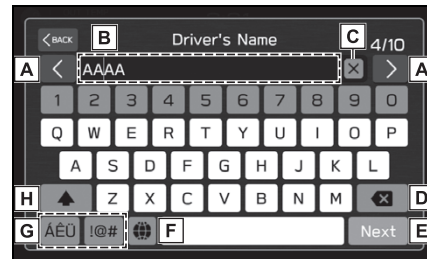
Deleting shortcut icons

- 1 Select and hold the shortcut icon to enter edit mode.
- 2 Drag the shortcut icon to "DRAG HERE TO DELETE" area.
- 3 Press the  button to leave the edit mode.

Entering letters and numbers/list screen operation

Entering letters and numbers

When entering data, letters and numbers can be entered via the screen.



- A** Select to move the cursor.
- B** Input field
 - The position of the cursor can be moved by selecting the desired location in the input field.
- C** Select to clear the input field.
- D** Select to erase one character.
- E** Select to enter the item.
- F** Select to change keyboard types.
- G** Select to enter symbols.
- H** Select to enter characters in lower case or in upper case.

- The appearance of the keyboard may change or the input method may be limited depending on the circumstances where the software keyboard is displayed.

List screen

The list screen can be scrolled by a swipe gesture.

For details on the operation:

→P.15



- A** Select to skip to the next or previous page.
- B** This indicates the displayed screen's position.
Faster scrolling is possible by dragging the position indicator.
- C** Some lists contain character screen buttons which allow users to jump directly to list entries that begin with the same letter as the character screen button.
Every time the same character screen button is selected, the list starting with the subsequent character is displayed.

Screen adjustment

Adjusting brightness

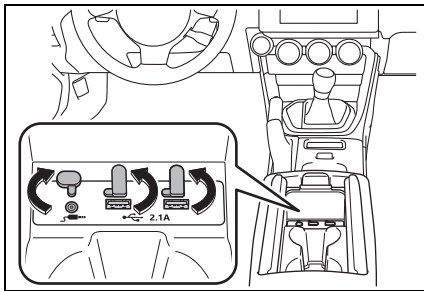
The brightness of the screen can be adjusted.

Refer to the "OWNER'S MANUAL" for details.

Connecting/Disconnecting a USB memory device/portable device

Connecting a device

1 Connect a device



- Turn on the power of the device if it is not turned on.
-
- Compatible USB memory device: →P.93
 - Compatible iPod/iPhone: →P.93
 - This unit does not support commercially available USB hubs.
 - By connecting a device such as a cellular phone, charging starts depending on the device.

Registering/Connecting a Bluetooth® device

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

Once the Bluetooth® phone/device has been registered, it is possible to use the hands-free system and the Bluetooth® audio system.

This operation cannot be performed while driving.

Registering a Bluetooth® phone/device for the first time

- 1 Turn the Bluetooth® connection setting of your Bluetooth® phone/device on.
- This function is not available when the Bluetooth® connection setting of your Bluetooth® phone/device is set to off.
- 2 Press the  button.

2

Basic function

20 2-2. Connectivity settings

3 Select “Yes” to register a Bluetooth® phone/device.

4 Follow the “STEPS 4 to 7” in “Registering a Bluetooth® phone/device”. (→P.24)



Profiles

This system supports the following services.

Bluetooth® Device	Spec.	Function	Requirements	Recommendations
Bluetooth® Phone/Device	Bluetooth® Specification	Registering a Bluetooth® phone/device	Ver. 2.1	Ver. 4.2

Bluetooth® Device	Profile	Function	Requirements	Recommendations
Bluetooth® Phone	HFP (Hands-Free Profile)	Hands-free system	Ver. 1.0	Ver. 1.7
	PBAP (Phone Book Access Profile)	Transferring the contacts	Ver. 1.0	Ver. 1.2
	MAP (Message Access Profile)	Bluetooth® phone message	-	Ver. 1.3
	SPP (Serial Port Profile)	APPS function	-	Ver. 1.2

Bluetooth® Device	Profile	Function	Require- ments	Recom- mendations
Bluetooth® Device	A2DP (Advanced Audio Distribu- tion Profile)	Bluetooth® audio system	Ver. 1.0	Ver. 1.3
	AVRCP (Audio/Video Remote Con- trol Profile)		Ver. 1.0	Ver. 1.6

2

Basic function

- If your cellular phone does not support HFP, registering the Bluetooth® phone or using PBAP, MAP or SPP profiles individually will not be possible.
- If the connected Bluetooth® phone/device version is older than recommended or incompatible, the Bluetooth® phone/device function may not work properly.
- If the application is not running smoothly or is unstable, disconnect and reconnect the Bluetooth® phone/device via Bluetooth® (→P.25) and/or USB cable (→P.19). If the problem continues, reboot the Bluetooth® phone/device.

3-1. Bluetooth® settings

Bluetooth® settings 24

3-2. Other settings

General settings 29

Sound settings 36

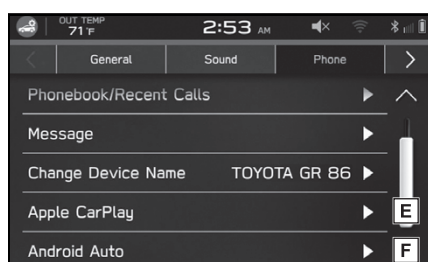
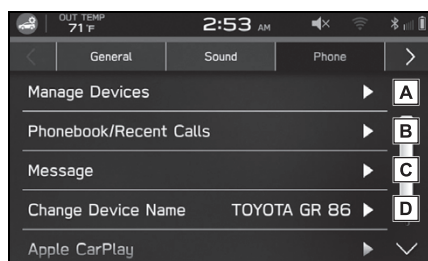
Radio settings 37

Maintenance settings 40

Bluetooth® settings

Phone settings screen

- 1 Press the  button.
- 2 Select "Settings".
- 3 Select "Phone".
- 4 Select the items to be set.



A Managing Bluetooth® phones/devices

Registering a Bluetooth® phone/device: →P.24

Connecting or disconnecting Bluetooth® phones/devices: →P.25

Deleting Bluetooth® phones/devices: →P.27

B Managing the contacts list

Setting phonebook/recent calls download: →P.27

Sorting the recent calls list and contacts list: →P.46

Deleting all favorites list: →P.47

C Setting the message: →P.50

D Changing the device name

E Setting Apple CarPlay: →P.60

F Setting Android Auto: →P.62

- "Manage Devices" screen can also be displayed by selecting "Manage Devices" or "Add Device" on the phone screen (→P.42) or Bluetooth® audio control screen (→P.85).

Registering a Bluetooth® phone/device

Up to 5 Bluetooth® phones/devices can be registered.

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

This operation cannot be performed while driving.

- 1 Display the phone settings screen. (→P.24)

- 2 Select "Manage Devices".

- 3 Select "Add".

- If a message appears, follow the guidance on the screen.

- 4 When this screen is displayed, search for the device name displayed on this

screen on the screen of your Bluetooth® phone/device.

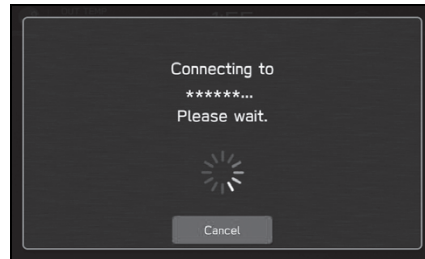


- “Cancel”: Select to cancel the registration.
 - For details on operating the Bluetooth® phone/device, see the manual that comes with it.
- 5** Register using your Bluetooth® phone/device.
- A PIN-code is not required for SSP (Secure Simple Pairing) compatible Bluetooth® phones/devices. Depending on the type of Bluetooth® phone/device being connected, a message confirming registration may be displayed on the Bluetooth® phone's/device's screen. Respond and operate the Bluetooth® phone/device according to the confirmation message.

- To re-register your Bluetooth® phone/device after having deleted it from the system, operate the Bluetooth® phone/device and register it after deleting the previously registered system information from the Bluetooth®

phone/device.

- 6** Check that the following pop-up screen may be displayed.



- “Cancel”: Select to cancel the registration.
 - If a confirmation message appears asking whether to transfer the phone's contact data to the system, select the appropriate button.
- 7** When the connection is completed, confirm that a connected device name is displayed.
- If an error message appears, follow the guidance on the screen to try again.
- When registering an NFC compatible device, registration is performed when the Bluetooth® phone/device is held against the NFC logo of the audio system until a connection is established.

3

Settings

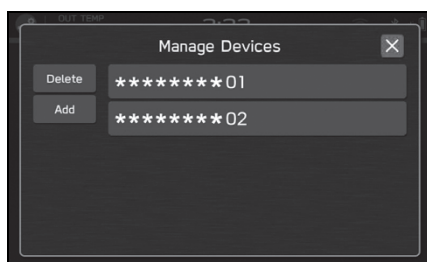
Connecting or disconnecting Bluetooth® phone/device

Up to 5 Bluetooth® phones/devices (Phones (HFP))

and devices (AVP)) can be registered.

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

- 1 Display the phone settings screen. (→P.24)
- 2 Select “Manage Devices”.
- 3 Select the Bluetooth® phone/device to be connected or disconnected.



- To disconnect the Bluetooth® phone/device, select “Yes”.
- “Connected” is displayed next to the currently connected Bluetooth® phone/device.
- If the desired Bluetooth® phone/device is not on the list, select “Add” to register the Bluetooth® phone/device. (→P.24)
- 4 Check that “Connected” is displayed next to the Bluetooth® phone/device when the connection is complete.
- If an error message appears, follow the guidance on the

screen to try again.

- It may take time if the Bluetooth® phone/device connection is carried out during Bluetooth® audio playback.
- Depending on the type of Bluetooth® phone/device being connected, it may be necessary to perform additional steps on the Bluetooth® phone/device.

Auto connection mode

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

- When the engine switch is changed to ACC or ON, the system searches for a nearby registered Bluetooth® phone/device.
- The system will connect with the registered Bluetooth® phone/device that was last connected, if it is nearby.

Connecting manually

When the auto connection has failed, it is necessary to connect Bluetooth® phones/devices manually.

Follow the “Connecting or disconnecting Bluetooth® phone/device”. (→P.25)

Reconnecting the Bluetooth® phone/device

If a Bluetooth® phone/device is disconnected due to poor reception from the Bluetooth® network when the engine switch is changed to ACC or ON, the system automatically reconnects the Bluetooth® phone/device.

- If a Bluetooth® phone/device is disconnected on purpose, such as turning it off, this does not happen. Reconnect the Bluetooth® phone/device manually.

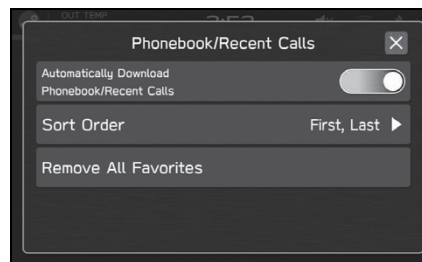
Deleting Bluetooth® phones/devices

- 1 Display the phone settings screen. (→P.24)
 - 2 Select “Manage Devices”.
 - 3 Select “Delete”.
 - 4 Select  for the Bluetooth® phone/device you wish to delete.
 - 5 Select “OK” when the confirmation message appears.
- The Bluetooth® phone/device will still contain information from this system even after the Bluetooth® phone/device has been deleted. Operate the Bluetooth® phone/device to delete the system information saved inside the Bluetooth® phone/device.

Setting phonebook/recent calls download

When this function is activated, the phonebook data of the connected Bluetooth® phone will be downloaded automatically.

- 1 Display the phone settings screen. (→P.24)
- 2 Select “Phonebook/Recent Calls”.
- 3 Select to turn “Automatically Download Phonebook/Recent Calls” on/off.



- The profile version of the connected Bluetooth® phone may not be compatible with downloading phonebook data. For details, contact your Toyota dealer.
- Up to 2000 contacts in the phonebook of the connected Bluetooth® phone can be downloaded. Up to 5 phone numbers registered to a contact can be downloaded.
- The notification setting on the Bluetooth® phone may need to be activated in order to download the phonebook. For details, check the instructions for the connected Bluetooth® phone. When the system's clock settings are set to auto, the auto-adjustment function and message function (→P.50)

will not function properly if the phonebook is not downloaded.

- The Bluetooth® phone's favorite list will not be downloaded automatically even after the phonebook data has been downloaded from the Bluetooth® phone. This system does not currently support transfer of data from the Bluetooth® phone favorites list. To add the Bluetooth® phone's favorites list to the system's favorites list, you need to register it through the system phonebook contacts list. (→P.47)

General settings

General settings screen

- 1 Press the  button.
- 2 Select "Settings".
- 3 Select "General".
- 4 Select the items to be set.



- A** "Clock":*
- B** "Driver Profiles": Select to set the Driver Profile function settings. (→P.30)
- C** "Display": Select to adjust the contrast, brightness, etc. of the display. (→P.30)

- D** "Wi-Fi": Select to set the Wi-Fi® function settings. (→P.32)
- E** "Reminder Screen": Select to turn the reminder screen ("Maintenance", "Birthday" and "Anniversary") on/off.
- F** "Meter Screen":*
- G** "Camera":*
- H** "Language":*
- I** "Home Screen Shortcuts": Select to turn the home screen shortcuts function on/off. (→P.16)
- J** "Birthday List": Select to set the birthday list settings. (→P.31)
- K** "Anniversary List": Select to set the anniversary list settings. (→P.32)
- L** "Software Update": Select to update system software versions. (→P.34)
- M** "Factory Data Reset": Select to reset all setup items. The audio system restarts automatically after resetting factory data. To complete the reset process, turn the engine switch to Off after the audio system has restarted, and then turn to ACC or ON after approximately 3 minutes.
- N** "System Information": Select to display the system infor-

mation.

- 0 "Free/Open Source Software Information": Select to display the free/open source software information.

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

Setting Driver Profiles

A user name and the display language can be linked to a registered Bluetooth® phone.

Adding a Driver Profile

- 1 Display the general settings screen. (→P.29)
- 2 Select "Driver Profiles".
- 3 Select "Add".
- 4 Select a desired language.
- 5 Select "NEXT".
- 6 Select "Driver's Name".
- 7 Enter a name.
- 8 Select "NEXT".
- 9 Select a desired Bluetooth® phone.
- When registering a new Bluetooth® phone, select "Add Phone" and follow the "STEPS 4 to 7" in "Registering a Bluetooth® phone/device". (→P.24)
- 10 Select "Finish".

Selecting a Driver Profile

- 1 Display the general settings screen. (→P.29)
- 2 Select "Driver Profiles".
- 3 Select the desired driver.

Editing a Driver Profile

- 1 Display the general settings screen. (→P.29)
- 2 Select "Driver Profiles".
- 3 Select "Edit".
- 4 Select a desired driver profile name to edit.

Deleting a Driver Profile

- 1 Display the general settings screen. (→P.29)
- 2 Select "Driver Profiles".
- 3 Select "Edit".
- 4 Select  for the driver profile name you wish to delete.
- 5 Select "OK".

Screen Adjustment

In addition to turning the screen off, linking of the screen brightness to the operation of the instrument panel light control dial can be turned on/off, and adjustment of the brightness and contrast of the screen can be performed independently from the instrument panel lights.

Selecting a Screen Off

- 1 Display the general settings screen. (→P.29)
- 2 Select "Display".
- 3 Select "Display Off".

● To turn it on, press and hold "VOLUME" knob.

Setting Brightness Dial

When "Brightness Dial" is on, the brightness of the screen can be adjusted using the instrument panel light control dial.

- 1 Display the general settings screen. (→P.29)
- 2 Select "Display".
- 3 Select to turn "Brightness Dial" on/off.

● For details about the instrument panel light control dial, refer to the "OWNER'S MANUAL".

Adjusting the Brightness/Contrast

- 1 Display the general settings screen. (→P.29)
- 2 Select "Display".
- 3 Select "Brightness/Contrast" to adjust the "Brightness" or "Contrast".

Select "Default" to revert to the factory setting.

● When "Brightness Dial" is on, only the contrast can be adjusted.

Setting Birthday Lists

If a birthday is approaching, a message will be shown when the engine switch is changed to ON. This function can be set to on or off by "Reminder Screen". (→P.29)

Adding a Birthday List

- 1 Display the general settings screen. (→P.29)
- 2 Select "Birthday List".
- 3 Select "Add".
- 4 Enter the name.
- 5 Select "Next".
- 6 Enter the date.
- 7 Select "OK".

● A maximum of 5 birthdays can be stored.

Editing a Birthday List

- 1 Display the general settings screen. (→P.29)
- 2 Select "Birthday List".
- 3 Select "Edit".
- 4 Select a desired birthday list name to edit.

Deleting a Birthday List

- 1 Display the general settings screen. (→P.29)
- 2 Select "Birthday List".
- 3 Select "Edit".

- 4 Select  for the birthday list name you wish to delete.

Setting Anniversary Lists

If a anniversary is approaching, a message will be shown when the engine switch is changed to ON. This function can be set to on or off by "Reminder Screen". (→P.29)

Adding a Anniversary List

- 1 Display the general settings screen. (→P.29)
- 2 Select "Anniversary List".
- 3 Select "Add".
- 4 Enter the name.
- 5 Select "Next".
- 6 Enter the date.
- 7 Select "OK".

- A maximum of 5 anniversaries can be stored.

Editing a Anniversary List

- 1 Display the general settings screen. (→P.29)
- 2 Select "Anniversary List".
- 3 Select "Edit".
- 4 Select a desired anniversary list name to edit.

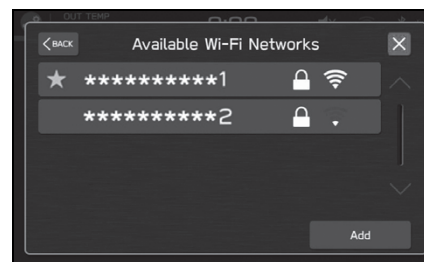
Deleting a Anniversary List

- 1 Display the general settings screen. (→P.29)
- 2 Select "Anniversary List".
- 3 Select "Edit".
- 4 Select  for the anniversary list name you wish to delete.

Setting Wi-Fi® connection

Connecting to a Wi-Fi® network

- 1 Display the general settings screen. (→P.29)
- 2 Select "Wi-Fi".
- 3 Select "Available Wi-Fi Networks".
- 4 Select the desired network.



- When a network with  is selected and the password entry screen is displayed, enter the password, and then select "OK".

Setting up a connection quickly

If a Wi-Fi® device is Wi-Fi® Protected Setup compatible, it can be connected to more quickly.

- 1** Display the general settings screen. (→P.29)
- 2** Select “Wi-Fi”.
- 3** Select “Wi-Fi Protected Setup”.
- 4** Select “PIN Setup” or “Push Button Setup” as determined by the device.
- 5** Operate the Wi-Fi® device to connect.
 - When “PIN Setup” is selected: Enter the displayed PIN code into the Wi-Fi® network device.
 - When “Push Button Setup” is selected: Push the WPS button on the Wi-Fi® network device.

Adding a Wi-Fi® network

Available networks which are not displayed by searching can be added.

- 1** Display the general settings screen. (→P.29)
- 2** Select “Wi-Fi”.
- 3** Select “Available Wi-Fi Networks”.
- 4** Select “Add”.

- 5** Select “Wi-Fi Name (SSID)”.
- 6** Enter the network name.
- 7** Select “OK”.
- 8** Select “Security”.
- 9** Select the security type.
- 10** Select “Start Connection”.
 - When a password is required, enter the password. Select “OK”.

Deleting a Wi-Fi® network

- 1** Display the general settings screen. (→P.29)
- 2** Select “Wi-Fi”.
- 3** Select “Wi-Fi” to turn the Wi-Fi® function off.
- 4** Select “Registered Wi-Fi Networks”.
- 5** Select “Delete”.
- 6** Select  for the Wi-Fi® network you wish to delete.
- 7** Select “OK”.

! WARNING

- Use Wi-Fi® devices only when safe and legal to do so.

**WARNING**

- This system 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.

Supported Wi-Fi[®] network specifications

The system can connect to a Wi-Fi[®] network that supports the following standards.

- Communication standards:
 - 802.11b
 - 802.11g
 - 802.11n (2.4GHz)
- Security:
 - WPA[™]
 - WPA2[™]

● WPA and WPA2 are registered

mark of the Wi-Fi Alliance[®].

- When using a mobile router or tethering function of a smart-phone, you may wish to mind the upper limits of data usage. If exceeded, additional communication cost may be charged.

Updating the system

Please ask your dealer to update the system software^{*1}.

You may also update the system software via Wi-Fi[®]. The update process involves downloading and installing a software update^{*2}. Note that system functionality will be restricted during installation.

^{*1}: Please check with your dealer for specific details on the update content.

^{*2}: Depending on the software update content, your radio station presets and volume settings may be reset by the update process.

- Update using Wi-Fi[®] may not be available in some countries.

Download update

- 1 Press the  button.
- 2 Select "Settings".
- 3 Select "General".
- 4 Select "Clock".
- 5 Select "Time Setting".
- 6 Select "Sync With Phone".

- 7** Connect to a Wi-Fi® network. (→P.32)
- 8** Display the general settings screen. (→P.29)
- 9** Select “Software Update”.
- 10** Select “Update”.
- 11** Select “Check for Updates”.
 - “Cancel”: Select to stop checking for available updates.
 - If “Automatically Check for Updates” is on, updates will automatically be checked for and, if available, a message will be displayed. If a message is displayed, select “OK” and proceed to the next step.
 - If “Automatically Download Updates” is on, updates will automatically be downloaded. After the download has completed, a message will be displayed. Select “OK” to start installation and proceed to STEP 3 in “Update installation”. (→P.35)
- 12** Select “Download Now” to begin downloading the update (if available).
 - “Cancel”: Select to stop the update process.
 - The download status progress is displayed in the category area.
 - If the update procedure fails, refer to the “Troubleshooting” section. (→P.108)

Update installation



NOTICE

- Park your vehicle in a safe place when installing the update.
- The following system functions are restricted during the update installation.
 - It will not be possible to use general system functions.
 - Only the rear view camera image will be displayed. Or the image will disappear temporarily.

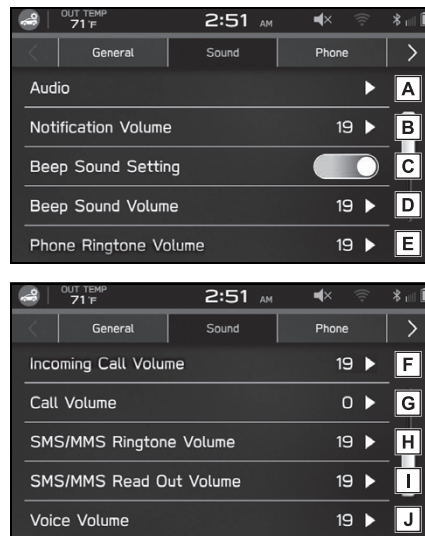
- 1** Download any available updates.
 - 2** Select “Install Now” to start installing the update.
 - Installation will take several minutes.
-
- During software update installation, the screen may flicker. However, this is not a malfunction.
- 3** When installation is complete, select “OK” on the confirmation message.
 - If the update procedure fails, refer to the “Troubleshooting” section. (→P.108)
 - 4** Turn the engine switch to Off and exit the vehicle.
 - 5** Close the driver’s door and lock the doors, then move at least 10 feet (3 m) away from the vehicle to prevent the key from interfering.

- 6 After at least 5 minutes have elapsed, start the engine again.
- The new software will be applied.

Sound settings

Sound settings screen

- 1 Press the  button.
- 2 Select "Settings".
- 3 Select "Sound".
- 4 Select the items to be set.



A Select to audio settings

"Sound Customization": Select to display the sound customization screen. (→P.69)

"Sound Restorer": Select to turn the sound restorer function on/off.

This function plays compressed audio with quality near original sound by adding the complement signal of high tone.

"Virtual Bass": Select to set the virtual bass function.

This function corrects the bass sound by adding harmonic sound.

"Dynamic Beat Enhancer": Select to set the dynamic beat enhancer

function.

This function expands the dynamic range lost in data compression and creates a sharp beat sound.

“Speed Volume Control”: Select to set the speed volume.

The system adjusts to the optimum volume and tone quality according to vehicle speed to compensate for increased vehicle noise.

“AUX Volume Gain”: Select to set AUX volume gain.

- B** Select to adjust the interrupt guidance volume.
- C** Select to turn the tone sound on/off.
- D** Select to adjust the tone sound volume.
- E** Select to adjust the ringtone volume.
- F** Select to adjust the volume of a received call.
- G** Select to adjust the call volume.
- H** Select to adjust the SMS/MMS ringtone volume.
- I** Select to adjust the SMS/MMS read out volume.
- J** Select to set the voice recognition prompts volume.

Radio settings

Radio settings screen

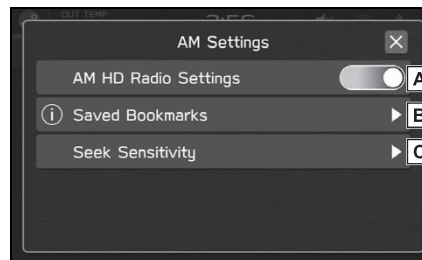
- 1 Press the  button.
- 2 Select “Settings”.
- 3 Select “Radio”.

3

Settings

Setting AM/FM radio

- 1 Display the radio settings screen. (→P.37)
- 2 Select “AM” or “FM”.
- 3 Select the desired item to be set.



- A** Select to turn the HD Radio mode on/off.
- B** Select to display the saved bookmark list. (→P.37)
- C** Select to set seek sensitivity of AM band as “DX (Distance)” or “LO (Local)”.*

*: AM radio only

Displaying the bookmark details

Cover art/track title/artist/album name are displayed for bookmarked tracks.

A QR code containing the track title/artist/album name can be displayed.

- 1 Display the AM settings screen or FM settings screen. (→P.37)
- 2 Select “Saved Bookmarks”.
- 3 Select the desired bookmark.

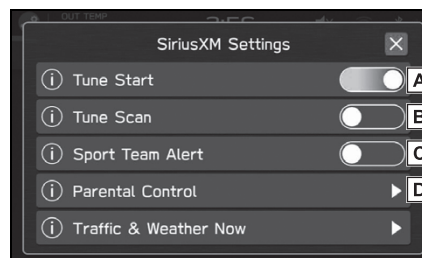
Deleting the bookmark

- 1 Display the AM settings screen or FM settings screen. (→P.37)
 - 2 Select “Saved Bookmarks”.
 - 3 Select “Edit”.
 - 4 Select  for the bookmark you wish to delete.
 - 5 Select “OK”.
- Deleting the bookmark can also be deleted select to  from the bookmark details screen.

Setting the SiriusXM® Radio

- 1 Display the radio settings screen. (→P.37)
- 2 Select “SiriusXM”.

- 3 Select the desired item to be set.



- A** When this function is on, channels registered as Smart Favorites will be cached, and when the channel is changed, the song on that channel can be listened to from the beginning.
- B** Select to enable/disable the search function for channels registered to Smart Favorites.
- C** Select to turn the “Sport Team Alert” on/off. (→P.79)
- D** Select to set the parental control passcode and locked channels. (→P.38, 39)

Setting the parental control passcode

- 1 Display the SiriusXM settings screen. (→P.38)
- 2 Select “Parental Control”.
- 3 Select “OK” when the confirmation message appears.
- 4 Enter the 4 digits passcode.
- 5 Select “OK”.

Adding the locked channels

- 1 Display the SiriusXM settings screen. (→P.38)
- 2 Select "Parental Control".
- 3 Enter the 4 digits passcode.
- 4 Select "OK".
- 5 Select "Channel Lockout Selection".
- "Lock All Mature Channels": Select to lock all mature channels.
- To add the locked channels, it is necessary to set the "Lock All Mature Channels" to off.
- 6 Select "Add".
- 7 Select the desired channel to be set.
- 8 Select "BACK".

Changing the parental control passcode

- 1 Display the SiriusXM settings screen. (→P.38)
- 2 Select "Parental Control".
- 3 Enter the 4 digits passcode.
- 4 Select "OK".
- 5 Select "Change Passcode".
- 6 Enter the 4 digits current passcode.
- 7 Select "OK".
- 8 Enter the 4 digits new passcode.

- 9 Select "OK".

Deleting the locked channel

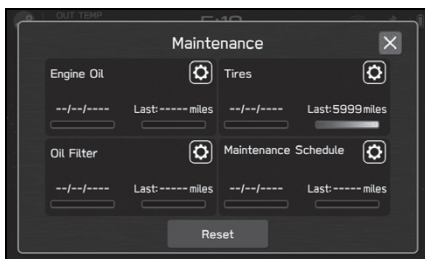
- 1 Display the SiriusXM settings screen. (→P.38)
- 2 Select "Parental Control".
- 3 Enter the 4 digits passcode.
- 4 Select "OK".
- 5 Select "Channel Lockout Selection".
- To delete the locked channels, it is necessary to set the "Lock All Mature Channels" to off.
- 6 Select "Edit".
- 7 Select  for the channel you wish to delete.
- 8 Select "OK".
- 9 Select "BACK".

Maintenance settings

When approaching the set maintenance reminder notification date or notification distance, a message will be displayed when the engine switch is changed to ON. This function can be set to on or off by “Reminder Screen”. (→P.29)

Maintenance settings screen

- 1 Press the  button.
- 2 Select “Maintenance”.
- Maintenance reminders can be set.



Engine oil setting

- 1 Select  (“Engine Oil”).
- 2 Select “Notification Date” or “Notification Distance (Remaining)” of the reminder.
- 3 After entering the notification date or notification distance, select “Set”.
- 4 Select .

Oil Filter setting

The setting procedure is the same as Engine oil setting, but select the “Oil Filter” item in step 1.

Tires setting

The setting procedure is the same as Engine oil setting, but select the “Tires” item in step 1.

Maintenance Schedule setting

The setting procedure is the same as Engine oil setting, but select the “Maintenance Schedule” item in step 1.

- Select “Reset” to reset each setting.
- Select “Update” to revert to the default value.

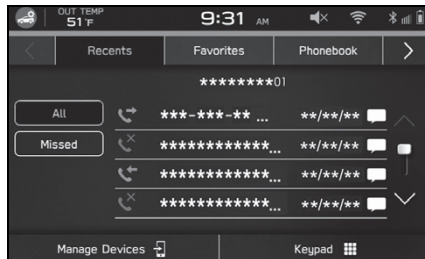
4-1. Phone operation	
(Hands-free system for cellular phones)	
Phone screen.....	42
Some basics	43
Calling on the Bluetooth®	
phone	46
Receiving on the Bluetooth®	
phone	48
Talking on the Bluetooth®	
phone	49
Bluetooth® phone message	
function.....	50

Phone screen

Phone screen operation

The phone screen can be accessed with the following methods:

- Press the  button, and then select “Phone”.
- Press the  button.



Phone operation

The following functions can be used on phone operation:

- Registering a Bluetooth® phone/device: →P.19
- Calling on the Bluetooth® phone: →P.46
- Receiving on the Bluetooth® phone: →P.48
- Talking on the Bluetooth® phone: →P.49

Message function

The following function can be used on message function:

- Using the Bluetooth® phone

message function: →P.50

Setting up a phone

The following function can be made in the system:

- Setting the Bluetooth® phone/device: →P.24

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.

- If your cellular phone does not support Bluetooth®, this system cannot function. Certain functions may not be available depending on the type of cellular phone.
- 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.
- When using the hands-free function and other Bluetooth® functions at the same time, the following problems may occur:
 - The Bluetooth® connection may be cut.
 - Noise may be heard when playing back voice with the Bluetooth® function.
- The other party's voice will be heard from the front speakers. The audio 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.
 - Driving with a window open.
 - When air from the ventilator blows directly toward 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.

4

Phone



WARNING

- While driving, do not use a cellular phone or connect the Bluetooth® phone.
- This system 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® phones, 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.19)

■ Bluetooth® phone condition display

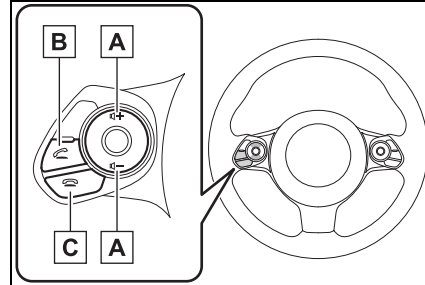
The condition of the Bluetooth® phone appears on the upper right side of the screen. (→P.10)

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

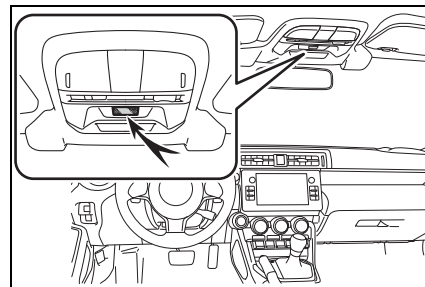
- Press the side to increase the volume.
- Press the side to decrease the volume.

B Off hook switch

C On hook switch

■ Microphone

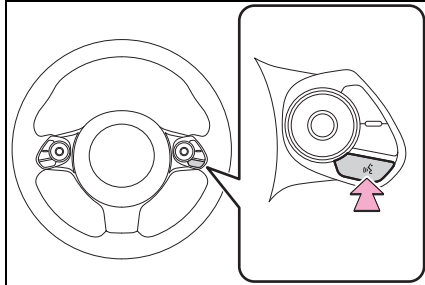
The microphone is used when talking on the phone.

**NOTICE**

- Do not touch and put a sharp object to the microphone. It may cause failure.

Voice recognition system

Press this switch to operate the voice recognition system.



- Contact data
- Call history data
- Favorites data
- All phone settings

● Once reset, the data and settings will be erased. Pay close attention when resetting the data.

- The voice recognition system and its list of commands can be operated. (→P.98)

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
 - All phone 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, reset all setup items. (→P.29)

- The following data in the system can be reset:

Calling on the Bluetooth® phone

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

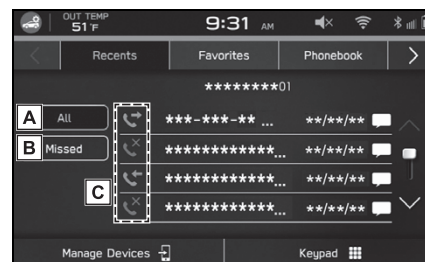
- 1 Display the phone screen. (→P.42)
- 2 Select the desired method to call from.
 - By recent calls list: →P.46
 - By favorites list: →P.47
 - By keypad*: →P.47
 - By contacts list: →P.47
 - By SMS/MMS: →P.53
 - By voice recognition system: →P.98

*: The operation cannot be performed while driving.

- If Siri is activated on an iPhone which is connected to the system via Bluetooth®, an active call screen of the connected iPhone will be displayed. The iPhone can be operated using Siri.

By recent calls list

- 1 Display the phone screen. (→P.42)
- 2 Select “Recents”, and then select the desired contact.
 - The outgoing call screen is displayed.



A Select to display all latest call history items.

B Select to display missed calls.

C Displays the call type icons.

 : Missed call

 : Incoming call

 : Outgoing call

- When a phone number registered in the contact list is received, the name is displayed.

- International phone calls may not be made depending on the type of cellular phone you have.

Sorting the phonebook list

The order of the phonebook list can be sorted by first name or last name.

- 1 Display the phone settings screen. (→P.24)

- 2 Select "Phonebook/Recent Calls".
- 3 Select "Sort Order".
- 4 Select the desired sorting criteria.

By favorites list

Calls can be made using registered contacts which can be selected from a contact list.

For details on registering contacts: →P.47

Up to 15 contact lists can be registered in the favorites list.

- 1 Display the phone screen. (→P.42)
- 2 Select "Favorites", and then select the desired contact.
- 3 Select  next to the desired number.
- The outgoing call screen is displayed.

- This system's favorites list and that of your Bluetooth® phone are not synchronized. This system does not currently support transfer of favorites list data from the Bluetooth® phone. To add the Bluetooth® phone's favorites list to the system's favorites list, you need to register it through the system phonebook contacts list. (→P.47)

Deleting all favorites list

- 1 Display the phone settings screen. (→P.24)

- 2 Select "Phonebook/Recent Calls".
- 3 Select "Remove All Favorites".
- 4 Select "OK".

By keypad

- 1 Display the phone screen. (→P.42)
- 2 Select "Keypad".
- 3 Enter the phone number.
- 4 Select "Call".
- The outgoing call screen is displayed.

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

By contacts list

Calls can be made by using contact data which is downloaded from the connected Bluetooth® phone.

- 1 Display the phone screen. (→P.42)
- 2 Select "Phonebook", and then select the desired contact.
- When ☆ is selected, ☆ changes to ★ (yellow).
- The number is registered in the favorites list. (→P.47)
- Each time the symbol is

selected, the symbol changes between ☆ and ★ (yellow).

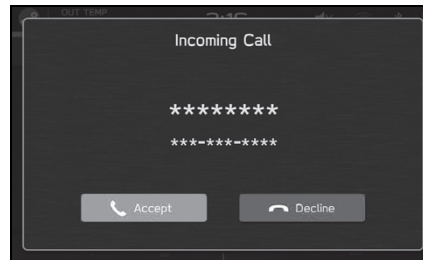
- 3 Select  next to the desired number.
 - Numbers may include Home, Work, Mobile and Other as categories depending on the phonebook data of the connected cellular phone.
 - The outgoing call screen is displayed.
-
- Up to 2000 contacts can be downloaded and displayed on the phonebook screen. (Up to 5 phone numbers per contact will be downloaded.)
 - When “Automatically Download Phonebook/Recent Calls” is set to on, contacts is downloaded automatically. (→P.27)

Receiving on the Bluetooth® phone

When a call is received, the incoming call screen pops up with sound.

Incoming calls

- 1 Select “Accept” or press the  switch on the steering wheel to talk on the phone.



To refuse to receive the call:
Select “Decline” or press the  switch on the steering wheel.

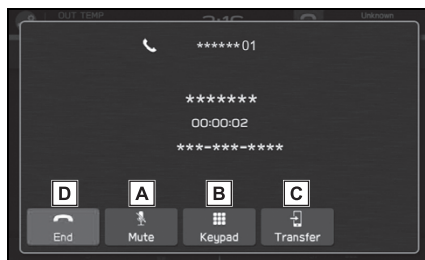
To adjust the volume of a received call: Turn the “VOLUME” knob, or use the volume control switch on the steering wheel.

-
- During international phone calls, the other party’s name or number may not be displayed correctly depending on the type of cellular phone you have.
 - The ringtone volume can also be set from the sound settings screen. (→P.36)

Talking on the Bluetooth® phone

While talking on the phone, this screen is displayed. The operations outlined below can be performed on this screen.

Call screen operation



- A** Select to mute your voice to the other party.
- B** Select to enter the desired numbers/output tones.
- C** Select to transfer the call. Select “Transfer” to change from a hands-free call to a cellular phone call. Select “Transfer Back” to change from cellular phone call to hands-free call.
- D** Select to hang up the phone.

- 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 cellular phone you have.

- For the operation of the cellular phone, see the manual that comes with it.
- Turn the “VOLUME” knob, or use the volume control switch on the steering wheel to adjust the volume of the other party's voice.
- ▶ In the case of accepting an interrupt incoming call during a call

The first call is put on hold.

- “Swap”: Select to change parties.
- Each time “Swap” or name area is selected, or press the  switch on the steering wheel, the party who is on hold will be switched.
- ▶ When using another function during a call

By pressing , the active call screen will be minimized and other functions can be used.

- When the active call screen is minimized, only the call ending operation can be performed.
- By pressing , the active call screen will be maximized.

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 message inbox.

If the phone does not support the message function, this function cannot be used.

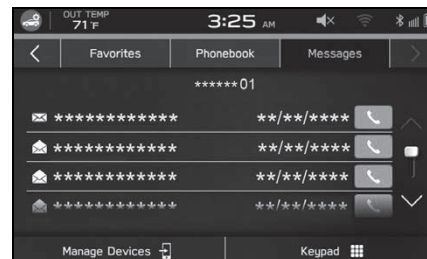
Depending on the Bluetooth® phone type, the screen display may differ, and it may not be possible to use certain functions.

To use this function, it is necessary to set the phonebook download function to on. (→P.27)

- Depending on the model of your Bluetooth® phone, the setting of the connected phone may need to be changed. (ex: For iOS or other models, the notification setting may need to be activated.) For details, check the instructions for the connected Bluetooth® phone.

Displaying the message screen

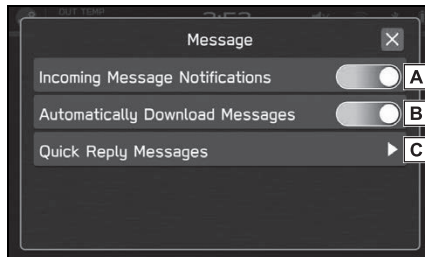
- 1 Display the phone screen. (→P.42)
- 2 Select "Messages".
- 3 Check that the message inbox screen is displayed.



- : Unread message icon
- Receiving a message: →P.51
- Checking messages: →P.51
- Replying to a message (quick reply): →P.52
- Sending a new short message: →P.52
- Calling the message sender: →P.53

Setting the message

- 1 Display the phone settings screen. (→P.24)
- 2 Select "Message".

3 Select the items to be set.

- A** Select to set the incoming message notification pop-up on/off.
- B** Select to set automatically download messages on/off.
- C** Select to edit quick reply messages. (→P.52)

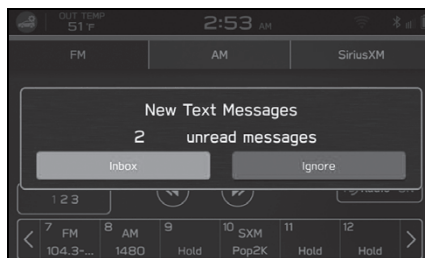
Receiving a message

When an SMS/MMS is received, the incoming message screen pops up with sound and is ready to be operated on the screen.

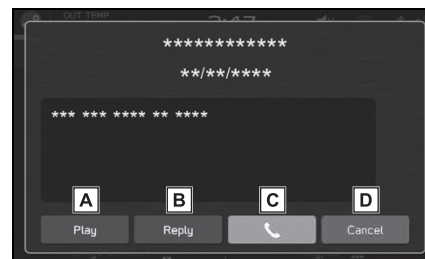
1 Select "Play".

- Select "Ignore" to not open the message.
- If there are any unread messages

The following screen is displayed.



- "Inbox": Select to display the message inbox screen.
 - "Ignore": Select to not open the message.
- 2** The following screen is displayed.



- A** Select to have messages read out.
- Select "Stop" to stop the message read out.
- B** Select to reply the message. (→P.52)*
- C** Select to call the message sender.
- D** Select to close this screen.

*: Depending on the Bluetooth® phone that is connected to the audio system, this function is not available.

- Depending on the cellular phone used for receiving messages, or its registration status with the system, some information may not be displayed.

Checking messages

- 1** Display the message inbox screen. (→P.50)
- 2** Select the desired message from the list.

4

Phone

3 Check the message. (→P.51)

- Depending on the type of Bluetooth® phone being connected, it may be necessary to perform additional steps on the phone.
- Only received messages on the connected Bluetooth® phone can be displayed.
- The text of the message is not displayed while driving.
- Turn the “VOLUME” knob, or use the volume control switch on the steering wheel to adjust the message readout volume.

**Replying to a message
(quick reply)***

*: Depending on the Bluetooth® phone that is connected to the audio system, this function is not available.

- 1 Display the message inbox screen. (→P.50)
 - 2 Select the desired message from the list.
 - 3 Select “Reply”.
 - 4 Select the desired message.
 - 5 Select “Send”.
 - “Change”: Select to change the message.
 - “Cancel”: Select to cancel sending the message.
-
- 10 messages have already been stored.

Sending a new short message

- 1 Display the favorites detail screen (→P.47), the recent calls list screen (→P.46) or the contact detail screen (→P.47).
- 2 Select  next to the desired number.
- 3 Select the desired message.
- 4 Select “Send”.
- “Change”: Select to change the message.
- “Cancel”: Select to cancel sending the message.

Editing the quick reply message

- ▶ Editing the message in the phone settings screen
- 1 Display the phone settings screen. (→P.24)
- 2 Select “Message”.
- 3 Select “Quick Reply Messages”.
- 4 Select “Edit”.
- 5 Select the desired message.
- 6 Enter the message.
- 7 Select “OK”.
- ▶ Editing the message in the message screen
- 1 Display the message inbox screen. (→P.50)

- 2 Select the desired message from the list.
- 3 Select "Reply".
- 4 Select  next to the desired message.
- 5 Enter the message.
- 6 Select "OK".

Deleting the quick reply message

- 1 Display the phone settings screen. (→P.24)
- 2 Select "Message".
- 3 Select "Quick Reply Messages".
- 4 Select "Edit".
- 5 Select  next to the desired message.

Adding the quick reply message

- 1 Display the phone settings screen. (→P.24)
- 2 Select "Message".
- 3 Select "Quick Reply Messages".
- 4 Select "Add".
- 5 Enter the message.
- 6 Select "OK".

Calling the message sender

Calls can be made to an

SMS/MMS message sender's phone number.

- 1 Display the message inbox screen. (→P.50)
 - 2 Select  next to the desired sender.
- The outgoing call screen is displayed.

5-1. Before using applications

Before using applications 56

5-2. Apple CarPlay

Apple CarPlay 59

5-3. Android Auto

Android Auto 61

5-4. SiriusXM Travel Link

SiriusXM Travel Link 63

Before using applications

Precautions to be aware of when using applications are shown below.

In this chapter, iPhone or Android devices will be referred to as a smartphone.

- Depending on the application, certain functions are not available while driving for reasons of safety.
- In order to maximize signal reception, performance and precision of the smartphone, please ensure the smartphone is placed as close to the system as possible, while ensuring it is stowed and secure while driving.
- When connecting your smartphone via USB, use the original cables provided with your smartphone or equivalent third-party (certified) cables.
- When the engine switch is changed to ACC or ON, the battery of the connected smartphone is charged.
- If connecting your smartphone via USB, smartphone may not be recognized when the engine switch is changed to ACC or ON. In this case, remove the smartphone and reconnect it.
- The accuracy of the displayed information or the signal reception performance depends on the smartphone or the connected device, and its wireless connection.
- For operating the smartphone, see the instruction manual that comes with it.
- Follow the specific operation procedures for the smartphone application.
- When connecting the device via Bluetooth®, the communication speed may become slower than via USB.
- If the application is not running smoothly or is unstable, disconnect and reconnect the smartphone via Bluetooth® (→P.25) and/or USB cable (→P.19). If the problem continues, reboot the smartphone.

WARNING

- Do not connect smartphone or operate the controls while driving.
- Be sure to park the vehicle in a safe place before connecting or operating the smartphone.

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.
- If connecting your smartphone via USB, do not insert foreign objects into the USB port as this may damage the smartphone or its terminal.

Settings required to use applications

In order to use an application on this system, the application must be installed on your smartphone.

- Search and download the application from your smartphone app.
 - iPhone: App Store via iTunes
 - Android device: Google Play Store
 - Create an account and login to the application on the smartphone.
-
- Please use the latest version of the application.
 - Apple CarPlay does not require an application to be installed. Refer to “Apple CarPlay” for details on Apple CarPlay operation. (→P.59)

About app-based connected content

Requirements for using the connected content services of the application on this system.

- The latest version of the system is compatible with connected content application(s) for the smartphones, and is downloaded to your smartphone.
 - A current account with a wireless content service provider.
 - A smartphone data plan: If the data plan for your smartphone does not provide for unlimited data usage, additional charges from your carrier may apply for accessing app-based connected content via 3G, 4G, Wi-Fi®, or 4G LTE wireless networks.
-
- Connection to the internet via 3G, 4G, Wi-Fi®, or 4G LTE networks.
-
- Changes to product specifications may result in differences between the content of the manual and features of the product.
 - Be careful not to exceed the data usage limits for your smartphone. Doing so will result in additional data usage charges from your phone carrier.
 - Limitations:
 - Access to app-based connected content will depend on the availability of wireless cellular and/or Wi-Fi® network coverage for the purpose of allowing your smartphone to connect to the internet.
 - Service availability may be geographically limited by region. Consult the wireless connected content service provider for additional information.
 - Ability of this product to access connected content is subject to change without notice and could be affected by any of the following: compatibility issues with future firmware versions of the smartphone; compatibility issues with future versions of the connected content application(s) for the smartphone; changes to or discontinuation of the connected content application(s) or service by its provider.
 - Since some applications use signals from GPS satellites and wireless communication lines, they may not work properly in the following locations.
 - In tunnels
 - In underground parking lots
 - Outside wireless communication range, such as some countryside areas
 - Where the wireless communication network is congested, or where communications are

restricted

- Depending on the circumstances and environment, the signal may be weak or not be received. In such cases, an error may occur.
- Communication and phone call charges for smartphones should be paid by the wireless subscriber.
- If you lose the data in a smartphone or other device while using it with the system, no compensation will be given for the lost data.
- TOYOTA MOTOR CORPORATION does not guarantee content provided by the application.
- The application may not work due to factors on smartphones, smartphone applications or stations. TOYOTA MOTOR CORPORATION accepts no responsibility for this.

Apple CarPlay

Apple CarPlay can be used to view Apple Maps, play music, and place calls by connecting an Apple CarPlay device to the system. Supported applications can also be run.

- For details on the services or the operations, check the Apple CarPlay site (<https://www.apple.com/ios/carplay/>).

To use the Apple CarPlay application, connect an Apple CarPlay device to the USB port.

When using the application, read the precautions indicated in “Before using applications”. (→P.56)

- Use an undamaged genuine USB cable when using this function.
- Enable Apple CarPlay in the Apple CarPlay device's restriction settings before using this function.

Connecting the Apple CarPlay device

- 1 Connect an Apple CarPlay device to the USB port. (→P.19)
 - 2 Check the confirmation message, and then select “Yes”.
- The Apple CarPlay screen will be displayed.

- If “No” is selected, Apple CarPlay will not start, and the device will be recognized as an iPod/iPhone. (→P.82)
- If “Don't show again.” is selected, the confirmation message will not be displayed again.
If the connected device cannot be used as an Apple CarPlay device, change the Apple CarPlay device connection settings. (→P.60)

Overview

Select “Apple CarPlay” on the home screen or the apps screen (→P.8, 9) to display the Apple CarPlay screen.

Control screen*



- A** Displays the application buttons.
Select to start the application.
- B** Select to change the home screen of Apple CarPlay.

*: The displayed screen will differ depending on the connected Apple CarPlay device.

■ About the supported devices

This system compatible with iOS 13.2 or later are supported.

Selecting device to connect to Apple CarPlay

Whether a registered device connects as an Apple CarPlay device or an iPod/iPhone can be set.

This setting can be changed only if “Don’t show again.” was selected on the confirmation message displayed when an Apple CarPlay device was connected.

- 1 Display the phone settings screen. (→P.24)
- 2 Select “Apple CarPlay”.
- 3 Select “Device List”.
- 4 Select “Edit”.
- 5 Select  for the desired Apple CarPlay device.
- 6 Select “OK”.

Deleting the Apple CarPlay device

This setting can be changed only if “Don’t show again.” was selected on the confirmation message displayed when an Apple CarPlay device was connected.

- 1 Display the phone settings screen. (→P.24)
- 2 Select “Apple CarPlay”.
- 3 Select “Device List”.
- 4 Select “Edit”.
- 5 Select  next to the desired device name.
- 6 Select “Yes”.
- 7 Select “OK”.

Android Auto

Android Auto can be used to view Google Maps, play music, and place calls by connecting your Android device to the system, using USB cable and Bluetooth®. Supported applications can also be used.

- For details on the services or the operations, check the Android Auto site (<https://www.android.com/auto/>) and (<https://support.google.com/androidauto/>).

To use the Android Auto application, connect your Android device to the USB port.

When using the application, read the precautions indicated in “Before using applications”. (→P.56)

- Use an undamaged genuine USB cable when using this function.
- To use this function, check to make sure that your Android device is set to accept connection with a new vehicle.
- Depending on the model, the talk-back volume of the voice recognition function of Android Auto may differ from the volume setting of other functions. Set the volume to a level that is easy to hear.

Connecting the Android Auto device

- 1 Connect an Android Auto device to the USB port. (→P.19)
- 2 Check the confirmation message, and then select “Yes”.
 - The Android Auto screen will be displayed.
 - If “No” is selected, Android Auto will not start.
 - If “Don’t show again.” is selected, the confirmation message will not be displayed again.

If the connected device cannot be used as an Android Auto device, change the Android Auto device connection settings. (→P.62)

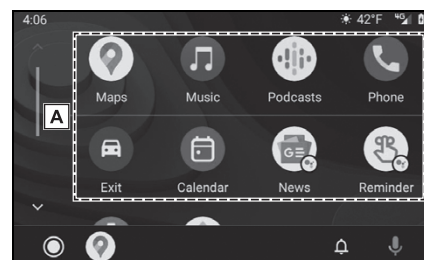
5

Apps

Overview

Select “Android Auto” on the home screen or the apps screen (→P.8, 9) to display the Android Auto screen.

Control screen*



- A** Displays the application buttons.
Select to start the application.

*: The displayed screen will differ depending on the connected Android Auto device.

■ About the supported devices

This system compatible with Android 8.1 or later are supported.

Enabling auto show of Android Auto screen

Automatic display of the Android Auto screen when an Android device is connected to the system via USB, can be enabled/disabled.

- 1 Display the phone settings screen. (→P.24)
- 2 Select "Android Auto".
- 3 Turn "Auto Show Connected Device" on.

Selecting Android devices to connect to Android Auto

Whether a registered Android device connects as an Android Auto device or a USB memory device can be set.

- 1 Display the phone settings screen. (→P.24)
- 2 Select "Android Auto".
- 3 Select "Device List".

- 4 Select "Edit".

- 5 Select  for the desired Android device.

Deleting the Android Auto device

- 1 Display the phone settings screen. (→P.24)
- 2 Select "Android Auto".
- 3 Select "Device List".
- 4 Select "Edit".
- 5 Select  next to the desired device name.
- 6 Select "Yes".
- 7 Select "OK".

SiriusXM Travel Link*

*: SiriusXM U.S. satellite and data services are available only in the 48 contiguous USA and DC. SiriusXM satellite service is also available in Canada; see www.siriusxm.ca.

Data service information, which is comprised of sports information, weather information, stock information, parking information and fuel information, can be received via the SiriusXM® Radio.

To receive the data service information in the vehicle, a subscription to the SiriusXM® Radio Service is necessary following a free trial. (→P.76)

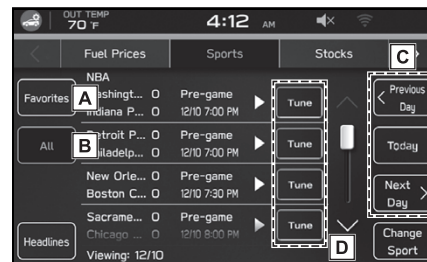
Content that uses the SiriusXM® Radio Service is reset when personal information is initialized by selecting “Factory Data Reset” at the “General settings screen”. (→P.29)

● Information available on the SiriusXM Travel Link services can be registered, within limited numbers.

Displaying sports information

Sports information such as games and results, the status of games still in progress, and future game schedules can be displayed.

- 1 Press  button.
- 2 Select “Travel Link”.
- 3 Select “Sports”.
- 4 Check that sports information is displayed.



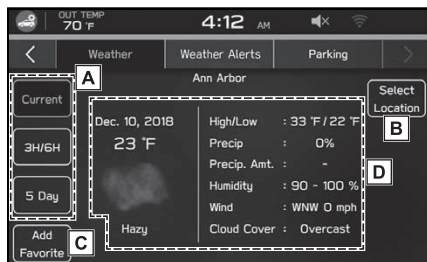
- A Select to display the favorite teams information.
“Favorite Team”: Select to register, edit or select your favorite team.
- B Select to display all information for a selected sport.
“Headlines”: Select to display the headlines.
“Change Sport”: Select to change the sport.
- C Select to change the displayed information.
- D Select to listen to a broadcast.

5
Apps

Displaying weather information

Weather forecasts, forecast temperature or highest/lowest temperature, and the chances of precipitation, etc. can be displayed in weather information.

- 1 Press  button.
- 2 Select "Travel Link".
- 3 Select "Weather".
- 4 Check that weather information is displayed.



- A Select to switch the timing of the displayed forecast.
- B Select to change the region which information will be displayed. The region can be selected from registered favorites or a full list of regions.
- C Select to add the currently displayed location as a favorite.
- D Weather information is displayed.

Displaying weather alerts

Weather alerts can be displayed.

- 1 Press  button.
- 2 Select "Travel Link".
- 3 Select "Weather Alerts".
- 4 Check that weather alerts are displayed.



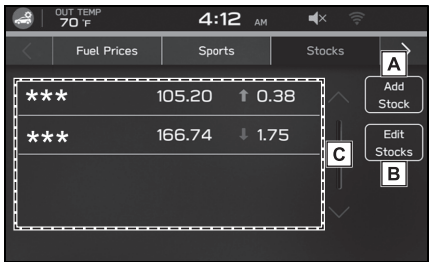
- A Select to sort weather alerts by priority.
- B Select to sort weather alerts by distance.
- C Select to change the region which information will be displayed. The region can be selected from registered favorites or a full list of regions.
- D Select to add the favorite regions list.
- E Select to set the alert types, zone and notifications.
- F Weather alerts are displayed.

Displaying stocks information

Company names, stock prices, and price fluctuations can be displayed in stock information. Fluctuations greater than zero are displayed with green arrows, and fluctuations less than zero are displayed with red arrows.

- 1 Press  button.
- 2 Select "Travel Link".
- 3 Select "Stocks".

- 4 Check that stock information is displayed.



- A Select to add stocks.
- B Select to delete stocks.
- C Stock information is displayed.

Displaying fuel information

Gas station information can be displayed. When Bluetooth® is enabled on your cellular phone, calls can be placed if the displayed information screen contains phone number information.

- 1 Press  button.
- 2 Select “Travel Link”.
- 3 Select “Fuel Prices”.
- 4 Check that fuel information is displayed.



- A Select to sort the display

order of gas stations by price.*

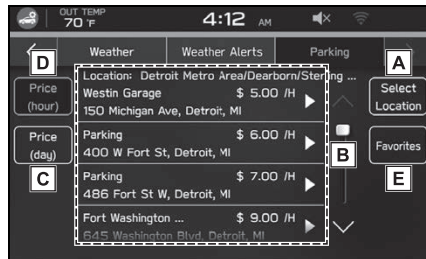
- B Select to sort the display order of gas stations by brand.
- C Select to change the location for which fuel information is displayed.
- D Select to set the fuel type.
- E Select to change the country which information will be displayed.
- F Select to display information about a gas station and be able to add it to favorites.
- G Select to display the favorite gas stations list.

*: Not available when “US & CAN” is selected for countries for which information is displayed

Displaying parking information

Parking information can be displayed. When Bluetooth® is enabled on your cellular phone, calls can be placed if the displayed information screen contains phone number information.

- 1 Press  button.
- 2 Select “Travel Link”.
- 3 Select “Parking”.
- 4 Check that parking information is displayed.



- A** Select to change the region which information will be displayed.
- B** Select to display information about a parking lot and be able to add it to favorites.
- C** Select to sort parking lots by price per day.
- D** Select to sort parking lots by price per hour.
- E** Select to display the favorite parking lots list.

6-1. Basic operation	
Some basics	68
6-2. Radio operation	
AM radio/FM radio	71
SiriusXM Radio	75
6-3. Media operation	
USB memory	81
iPod/iPhone	82
Bluetooth® audio	85
AUX	88
Android Auto	89
6-4. Audio remote controls	
Steering switches	91
6-5. Tips for operating the audio system	
Operating information	92

Some basics

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

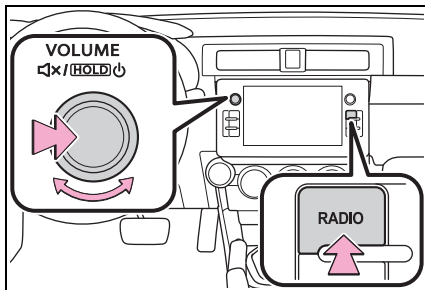
Your audio system works when the engine switch is changed to ACC or ON.



NOTICE

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

Turning the system on and off



- “VOLUME” knob: Press and hold until a message is displayed, and then select “OK” or wait a few seconds for the audio system to turn off. Press and hold to turn the system on again. The system will turn on with the last audio source used. Turn this knob to adjust the volume. Press to mute the audio system.

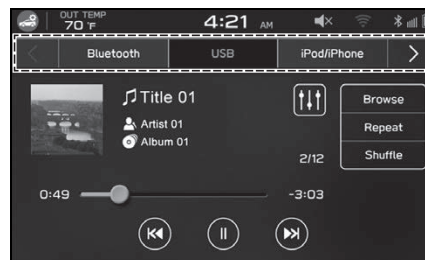
-  button: Press to display screen buttons for the radio.

- The audio system will remain off if you change the position of engine switch Off to ACC/ON while the audio system is off. If you had set the volume to mute, the audio system will remain mute and the track will start playing from where it was last stopped.

Selecting an audio source

- 1 Press the  button and select the “Media”, or press the  button.
- 2 Select the desired audio source.

► Media screen



► Radio screen



- Each time  button is pressed, the radio modes can also be changed.

Sound settings

■ Displaying the sound customization screen

- 1 Press the  button.
- 2 Select "Settings".
- 3 Select "Sound".
- 4 Select "Audio".
- 5 Select "Sound Customization".

■ Equalizer settings

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 Display the "Sound Customization" screen. (→P.69)
- 2 Select "Equalizer".
- 3 Set the desired item.

► Type A



- A** Select the sliders to adjust low-pitched tones.
- B** Select the sliders to adjust mid-pitched tones.

- C** Select the sliders to adjust high-pitched tones.
- D** Select to reset all setup items.

► Type B



- A** Select the sliders to adjust low-pitched tones.
- B** Select the sliders to adjust mid-pitched tones.
- C** Select the sliders to adjust high-pitched tones.
- D** Select to turn the powerful mode on/off.
- E** Select to reset all setup items.

■ Balance/Fader settings

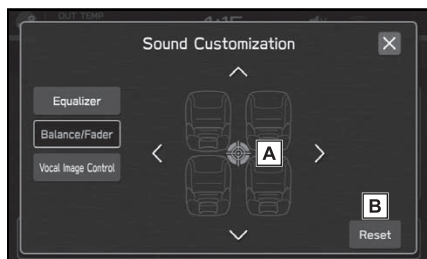
A good balance of the left and right stereo channels and of the front and rear sound levels is also important.

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 Display the "Sound Customization" screen. (→P.69)

70 6-1. Basic operation

- 2 Select "Balance/Fader".
- 3 Adjust to the desired position.

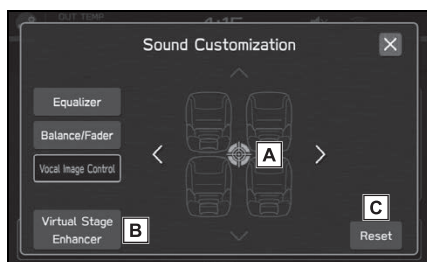


- A Select the icon to adjust sound balance.
- B Select to reset the adjusted position.

■ Vocal Image Control settings

Extract only vocal sound from whole sound and adjust volume balance of it.

- 1 Display the "Sound Customization" screen. (→P.69)
- 2 Select "Vocal Image Control".
- 3 Adjust to the desired position.



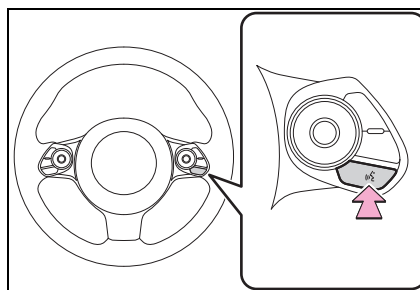
- A Select the icon to adjust vocal image control.
- B Select to set the virtual stage enhancer function.
This function adjusts the sounds to the high realistic surround sound by enhanc-

ing the vocals. When this setting is on, the front and rear setting of "Vocal Image Control" cannot be set.

- C Select to reset the vocal image control settings.

Voice recognition system

- 1 Press this switch to operate the voice recognition system.



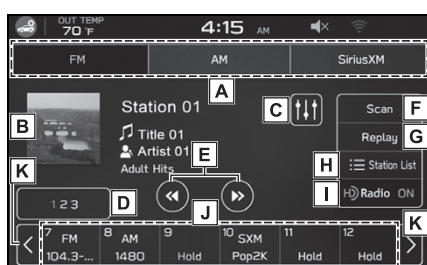
- The voice recognition system and its list of commands can be operated. (→P.98)

AM radio/FM radio

Overview

The FM/AM radio operation screen can be accessed by selecting “FM” or “AM” on the radio control screen. (→P.68)

Control screen



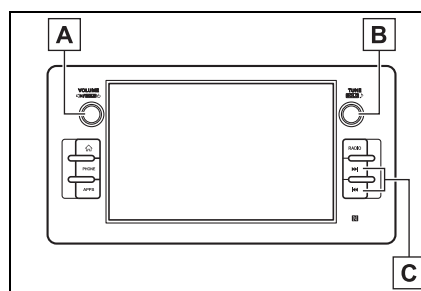
- A** Select to change radio modes.
- B** Press and hold to save a specific song to your Bookmark List. (→P.37)
- C** Select to display the sound customization screen. (→P.69)
- D** Select to change multicast channels available* (→P.73)
- E** Select to step up/down frequencies. Select and hold to seek frequencies.
- F** Select to scan for receivable stations/channels. The scan will continue until selected again.
- G** Select to display the cache

radio operation buttons. (→P.74)

- H** Select to display a list of receivable stations. (→P.72)
- I** Select to turn HD Radio mode on/off.
- J** Select to tune to preset stations/channels. The preset station list can be scrolled by swiping the list.
- K** Select to scroll the list of preset buttons.

*: FM Radio only

Control panel



- A** Turn to adjust the volume. Press to mute the audio system. Press and hold to turn the audio system off, and press and hold to turn it on again.
- B** Turn to step up/down frequencies. Press and hold to display the sound customization screen. (→P.69)
- C** Press to seek up/down available stations/channels.

6

Audio

- The radio automatically changes to stereo reception when a stereo broadcast is received.
- When the HD Radio mode is on, the radio automatically tunes to an HD Radio signal in AM or FM where available.

Registering a station as a preset

Multiple stations can be registered as presets.

- 1 Tune to the desired station.
 - 2 Select and hold one of the desired preset station buttons.
- To change the preset station to a different one, follow the same procedure.

Selecting a station from the list

A station list can be displayed.

- 1 Select "Station List".
- "Update": Select to update the station list.
- ▶ FM Radio only
- 2 Select the desired list.
- "All": Select to display all stations.
- "Genres": Select to display categories.
- 3 Select the desired station.

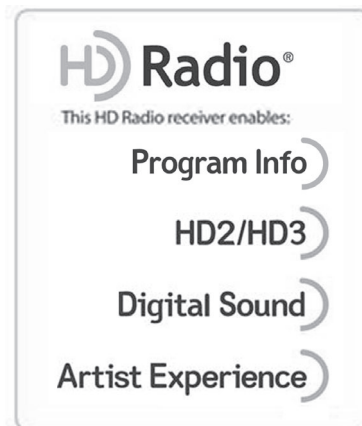
Radio broadcast data system

This audio system is equipped with Radio Broadcast Data Systems (RBDS).

RBDS mode allows text messages to be received from radio stations that utilize RBDS transmitters.

RBDS features are available only when listening to an FM station that broadcasts RBDS information.

Available HD Radio™ technology



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.

■ Multicast

On the FM radio frequency most digital stations have additional programs on one FM station.

- 1 Select

1 2 3.

.
- Each time

1 2 3.

 is selected, the channel can be changed.

Digital Sound

- HD Radio™ Technology improves the audio quality of your local stations and delivers a crystal clear digital signal to your receiver. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like clear digital.

HD2/HD3

- FM stations can provide additional digital-only audio programming on HD2/HD3 Channels.
- EXAMPLE:

101.1 HD1
101.1 HD2
101.1 HD3

- HD Radio™ stations can be pre-set.
- An orange  will be displayed on the screen when in digital. The  will first appear in a gray color indicating the digital station is being acquired. Once the digital signal is acquired, the logo will change to a bright orange color.
- The song title and artist name will appear on the screen when available by the radio station. The radio station can send album pictures when available.
- As a user works through the analog radio stations, (where applicable) the radio receiver will automatically tune from an analog signal to a digital signal within 5 seconds.

Program Info

- Program info provides song name, artist, station ID, and other relevant data to your receiver.

Artist Experience

- Visual images of album cover art and station logos are broadcasted with the audio to your receiver, such as Album Art, historical photographs, still art from live broadcasts, station logos, among other related content.



- Allows HD Radio receivers to store content (songs/programs and data) in a buffer. Playback shall start at any point in the buffer and shall continue until the end of the buffer or until the user has selected to stop playback. Live Pause has the ability to store both analog and digital content in the buffer.

Caching radio programs

A radio program can be cached and played back in a time-shifted manner.

■ 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. To

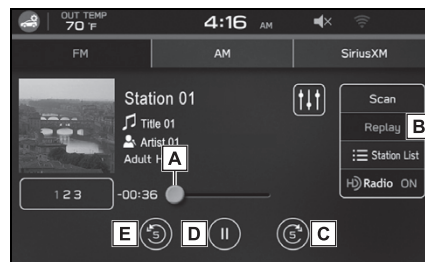
manually operate the cache operation: (→P.74)

- The system can store up to 30 minutes. Cached data will be erased when the radio mode or station is changed or when the audio system is turned off.

■ Playing back the cache manually

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

- 1 Select "Replay". (→P.71)
- 2 Select the desired cache radio operation button.



- A** Shows the current playback location.
The playback location can be changed by dragging the sliders.
- B** Select to display the preset stations/channels. (→P.71)
- C** Select: Skips forward 5 seconds.
Select and hold: Fast forwards continuously.
- D** Pauses or plays the radio broadcast.
- E** Select: Skips backward 5 seconds.

Select and hold: Fast rewinds continuously.

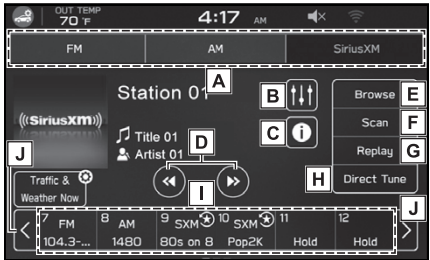
- The time displayed on the bar scale may differ from the actual time.

SiriusXM Radio

Overview

The SiriusXM[®] control screen can be accessed by selecting “SiriusXM” on the radio control screen. (→P.68)

Control screen



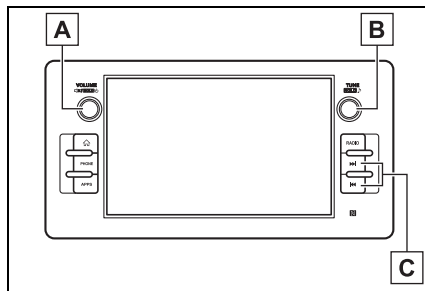
- A** Select to change radio modes.
- B** Select to display the sound customization screen. (→P.69)
- C** Select to display the channel information.
- D** Select to step up/down channels.
- E** Select to search channels. (→P.79)
- F** “Scan”: Select to search subscribed channels.
“Tune Scan”: Select to search channels registered to Smart Favorites.
This function can be enabled/disabled by the Tune Scan setting on the SiriusXM

settings screen. (→P.38)

- G** Select to display the cache radio operation buttons. (→P.78)
- H** Select to search channels by entering the channel number.
- I** Select to tune to preset stations/channels.
The preset station list can be scrolled by swiping the list.
★ : Indicates a channel which has been registered as a Smart Favorite.
Up to 10 channels can be registered as Smart Favorites, in the order they are registered as a preset.
- J** Select to scroll the list of preset buttons.

● Tune Scan is not designed for short tracks.

Control panel



- A** Turn to adjust the volume.
Press to mute the audio system.
Press and hold to turn the audio system off, and press and hold to turn it on again.

- B** Turn to step up/down channels.
Press and hold to display the sound customization screen. (→P.69)
- C** Press to seek up/down available channels.

How to subscribe to SiriusXM® Radio

To listen to a SiriusXM broadcast in the vehicle, a subscription to SiriusXM service is necessary following a free trial.

A SiriusXM® Radio is a tuner designed exclusively to receive broadcasts provided under a separate subscription.

The SXM service is only available in the U.S. and Canada.

How to subscribe

SiriusXM audio services require a subscription sold separately, or as a package, by Sirius XM Radio Inc.

Subscription Details: Your SiriusXM service will automatically stop at the end of your trial unless you decide to purchase another subscription. If you decide to continue service, the paid subscription plan you choose will automatically renew thereafter, and you will be charged the rate in effect at that

time and according to your chosen payment method. Fees and taxes may apply. All fees and programming are subject to change.

- For complete information on subscription rates, to review the SiriusXM Customer Agreement, or to subscribe to SiriusXM Radio please refer to the following:

► U.S.A.

Refer to www.siriusxm.com or call

To Subscribe: 1-877-447-0011.

To Cancel: 1-866-635-2349.

► Canada

Refer to www.siriusxm.ca or call

To Subscribe/Cancel:

1-877-209-0079.

Explicit Language Notice —

Channels with frequent explicit language are indicated with an “XL” preceding the channel name. Channel blocking is available for SiriusXM® Radio receivers by notifying SiriusXM at;

U.S.A. Customers:

Visit www.siriusxm.com or calling

1-877-447-0011

Canadian Customers:

Visit www.siriusxm.ca or calling

1-877-209-0079

-
- SiriusXM® Radio Services —
Descriptions
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

With the SiriusXM All Access package, you can enjoy over 150 channels including commercial-free music, plus sports, news, talk, comedy, entertainment and more inside your vehicle. Plus, streaming is included so you can listen 200+ channels online, on the app, and at home on a wide variety of connected devices, plus over 5,000 hours of On Demand shows, performances and interviews.

Did you know? SiriusXM also delivers a wide variety of services to certain vehicles' entertainment and navigation systems such as Traffic, Weather, Sports Scores, Movie Listings, Fuel Prices, Stock Prices and more. For a list of available features in your vehicle, visit siriusxm.com/infotainment and get the most out of your driving experience.

RADIO OPERATION

Look for the Sirius, XM, SXM, Band, SAT, AUX, Radio or Source button and you're in.

If you can't hear us, it's easy to get started:

- Locate your Radio ID/ESN 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.
- Canadian Customers:
- Locate your Radio ID/ESN 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**

- 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 which is 8 alphanumeric characters. The radio ID is required when activating SiriusXM Satellite Services or when reporting a problem.

The radio ID can be checked by tuning to channel "000".

Presetting a channel

Multiple stations can be registered as presets.

- 1 Tune to the desired channel.
- 2 Select and hold one of the desired preset station buttons.

- To change the preset station to a different one, follow the same procedure.

Caching radio programs

A radio program can be cached and played back in a time-shifted manner.

The program that is currently being listened to can be cached.

■ Playing back the cache

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

- 1 Select "Replay". (→P.75)
- 2 Select the desired cache radio operation button.



- A** Shows the current playback location.
The playback location can be changed by dragging the sliders.
- B** Select to display the preset stations/channels. (→P.75)
- C** Select: Access the desired program. Skips forward through program.
Select and hold: Fast forwards continuously.

- D** Pauses or plays the radio broadcast.
- E** Select: Access the desired program.
Skips back through program. Select and hold: Fast rewinds continuously.

- The time displayed on the bar scale may differ from the actual time.

Selecting a channel from the list

- 1 Select "Browse".
- 2 Select the desired list, and then select the desired channel.



- A** Select to display the all channels list.
- B** Select to display categories channel list. (→P.79)
- C** Select to set teams for notifying the user of games starting and SportsFlash. (→P.79)
- D** Select to display the TuneMix channel. (→P.80)

■ Selecting from categories channel list

- 1 Select "Categories".

- 2 Select the desired genre.
- 3 Select the desired channel.

Setting teams for notifications

By registering teams, a pop-up screen appears notifying listeners of information on the game progress and so on. You can return to the original point in the regular broadcast by exiting the pop-up screen.

To use this function, turn "Sport Team Alert" on in SiriusXM settings screen. (→P.38)

■ Adding teams

- 1 Select "Browse".
- 2 Select "Favorite Teams".
- 3 Select "Add".
- 4 Select the desired league.
- 5 Select the desired team.

■ Editing the list

- 1 Select "Favorite Teams".
- 2 Select "Edit".
- 3 Select for the item you wish to delete.
- 4 Select "OK".

■ Setting pop-up alerts

Pop-up alerts can be set to display on the screen.

- 1 Select "Favorite Teams".
- 2 Select for the desired team.

- 3 Select the desired item to be set.
- 4 Select "Save".

Setting TuneMix channels

If multiple channels for which TuneMix is possible have been registered as TuneMix channels, songs from these channels can be listened to randomly.

■ Registering channels

- 1 Select "Browse".
- 2 Select "TuneMix".
- 3 Select "Add".
- 4 Select the desired channels.

■ Listening to TuneMixed channels

- 1 Select the desired items on the "TuneMix" screen.

■ Editing the TuneMix

- 1 Select "Edit" on the "TuneMix" screen.
- 2 Select the desired item to be set.
- : Select to delete the item.
- 3 Select "OK".
- 4 Select the desired channels.

-
- The TuneMix name cannot be changed.

USB memory

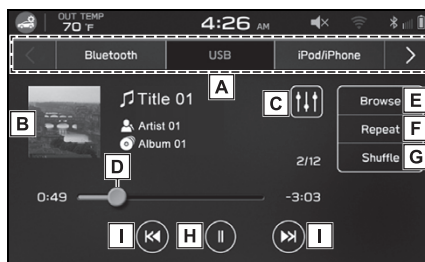
Audio files on a USB memory device can be played back.

Overview

The USB Audio/Video playback screen can be accessed with the following methods:

- Connect a USB memory device. (→P.19)
- Select “USB” on the media control screen. (→P.68)

Control screen



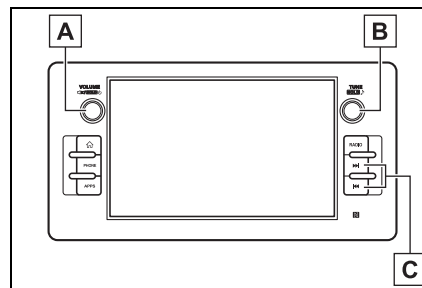
- A** Select to switch between other media sources.
- B** Displays cover art.
- C** Select to display the sound customization screen. (→P.69)
- D** Shows progress.
The playback location can be changed by dragging the sliders.
- E** Select to search for a track.
Playback modes can be

changed.

- F** Changes between repeat all tracks* → repeat current album/folder → repeat current track → cancel repeat each time this button is selected.
- G** Select to enable/disable random playback for the tracks currently playing from the USB memory device.
- H** Select to pause/play.
- I** Select to change the track.
Select and hold to fast forward/rewind.

*: Operable when “Folders” is selected for playback mode

Control panel



- A** Turn to adjust the volume.
Press to mute the audio system.
Press and hold to turn the audio system off, and press and hold to turn it on again.
- B** Turn to change the track.
Press and hold to display the sound customization screen.

(→P.69)

- C** Press to change a track.
Press and hold to fast forward/rewind.

- Depending on the device or music file being played, the cover art may not be displayed.



WARNING

- Do not operate the player's controls or connect the USB memory device while driving.



NOTICE

- 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.

iPod/iPhone

When an iPod/iPhone is connected, you can play iPod/iPhone music files. On this unit, you can perform operations such as selecting a file from a list or changing to the random playback mode.

Connecting the iPod/iPhone

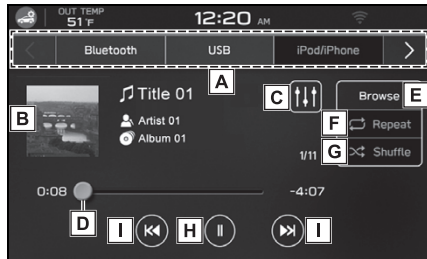
- 1 Connect an iPod/iPhone to the USB port. (→P.19)
 - 2 Check the confirmation message, and then select "No".
- If "Don't show again." is selected, the confirmation message will not be displayed again.
If the connected iPhone is recognized as an Apple CarPlay device, select the device from the Apple CarPlay device list to remove the check mark. (→P.60)

Overview

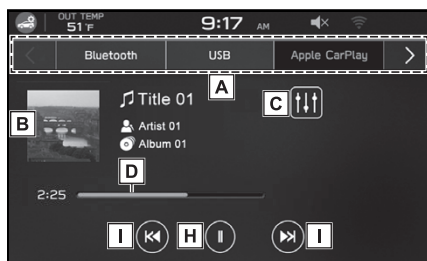
Select "iPod/iPhone" on the media control screen. (→P.68)

Control screen

- When not connected as an Apple CarPlay device



- When connected as an Apple CarPlay device

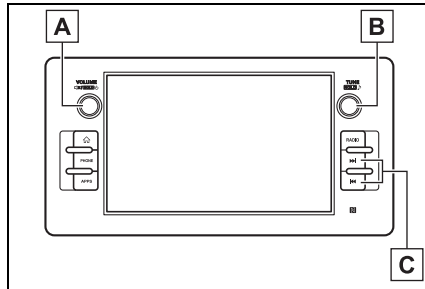


- A** Select to switch between other media sources.
- B** Displays cover art.
- C** Select to display the sound customization screen. (→P.69)
- D** Shows progress.
When not connected as an Apple CarPlay device: The

playback location can be changed by dragging the sliders.

- E** Select to search for a track. Playback modes can be changed.
- F** Changes between repeat current album → repeat current track → cancel repeat each time this button is selected.
- G** Select to enable/disable random playback for the tracks currently playing on the iPod/iPhone.
- H** Select to pause/play.
- I** Select to change the track. Select and hold to fast forward/rewind.
- J** Select to rewind the current content item in fixed intervals.*
- K** Select to fast forward the current content item in fixed intervals.*

*: Display when playing Audiobooks or Podcasts

Control panel

- A** Turn to adjust the volume.
Press to mute the audio system.
Press and hold to turn the audio system off, and press and hold to turn it on again.
- B** Turn to change the track.
Press and hold to display the sound customization screen. (→P.69)
- C** Press to change a track.
Press and hold to fast forward/rewind.

- When an iPod/iPhone is connected using an undamaged genuine iPod/iPhone cable, battery of the iPod/iPhone will be charged.
- When playing music on an iPod/iPhone, operate connect it to the system using an undamaged genuine iPod/iPhone cable and operate the iPod/iPhone from the system. Certain functions may not be available if connected using other methods. Furthermore, depending on the connected iPod/iPhone, certain functions may not be available.
- Depending on the iPod/iPhone or music file being played, the cover art may not be displayed.
- When an iPod/iPhone is con-

nected and the audio source is changed to iPod/iPhone mode, the iPod/iPhone will resume playing from the same point it was last used.

- Tracks selected by operating a connected iPod/iPhone may not be recognized or displayed properly.

WARNING

- Do not operate the player's controls or connect the iPod/iPhone while driving.

NOTICE

- 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.

Bluetooth® audio

The Bluetooth® audio system enables users to play music files stored on Bluetooth® devices through the vehicle speakers via wireless communication.

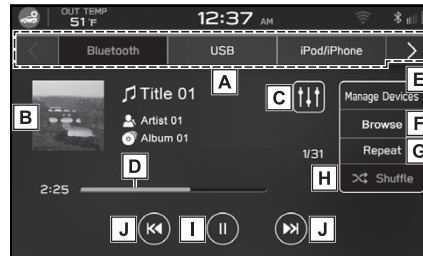
This audio system supports Bluetooth®, a wireless data system capable of playing portable audio music without cables. If your device does not support Bluetooth®, the Bluetooth® audio system will not function.

Overview

The Bluetooth® audio control screen can be accessed by selecting “Bluetooth” on the media control screen. (→P.68)

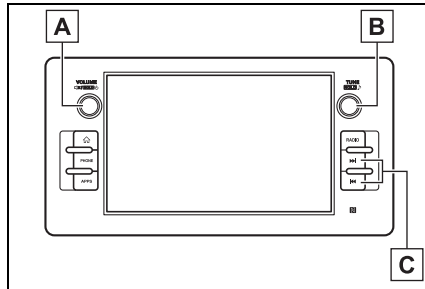
Depending on the type of portable player connected, some functions may not be available and/or the screen may look differently than shown in this manual.

Control screen



- A** Select to switch between other media sources.
- B** Displays cover art.
- C** Select to display the sound customization screen. (→P.69)
- D** Shows progress.
- E** Select to display the “Manage Devices” screen. (→P.87)
- F** Select to search for a track. Playback modes can be changed.
- G** Changes between repeat current album/folder → repeat current track → cancel repeat each time this button is selected.
- H** Select to enable/disable random playback for the tracks currently playing on the Bluetooth® device.
- I** Select to pause/play.
- J** Select to change the track. Select and hold to fast forward/rewind.

Control panel



- A** Turn to adjust the volume.
Press to mute the audio system.
Press and hold to turn the audio system off, and press and hold to turn it on again.
- B** Turn to change the track.
Press and hold to display the sound customization screen. (→P.69)
- C** Press to change a track.
Press and hold to fast forward/rewind.

- Depending on the Bluetooth® device that is connected to the system, the music may start playing when selecting **II** 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.
- 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 Bluetooth® network when the engine switch is changed to ACC or ON, the system will automatically reconnect to the portable player.
- If the Bluetooth® device is disconnected on purpose, such as it was turned off, this does not happen. Reconnect the portable player manually.
- 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.29)
- Depending on the Bluetooth® device or music file being played, the cover art may not be displayed.
- If the Bluetooth® device does not play automatically when connected, device operation may be necessary.
- Operability of all Bluetooth® devices with this system is not guaranteed.
- Depending on the Bluetooth® device connected, irregularities, such as disabled operation of the audio system, inconsistent display with the connected device, longer time required for audio playback, may result.
- Depending on the music playback application of a Bluetooth® device, the Bluetooth® audio may not operate properly.

- If the specifications or profile of the connected Bluetooth® device is lower than recommended or not compatible, the Bluetooth® device may not function properly.
- If a Bluetooth® device is enclosed by metal object or in a remote area away from the vehicle's Bluetooth® module, sound quality of the playback may be deteriorated or the wireless communication may be severed.


WARNING

- Do not operate the player's controls or connect to the Bluetooth® audio system while driving.
- This system 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 Select "Manage Devices" on the Bluetooth® audio control screen.
 - 2 For more information: →P.24
- ▶ Selecting a registered device
 - 1 Select "Manage Devices" on the Bluetooth® audio control screen.
 - 2 Select the Bluetooth® device to be connected.

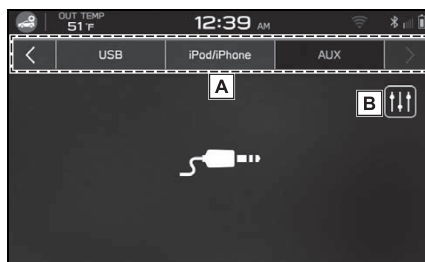
AUX

Overview

The AUX control screen can be accessed with the following methods:

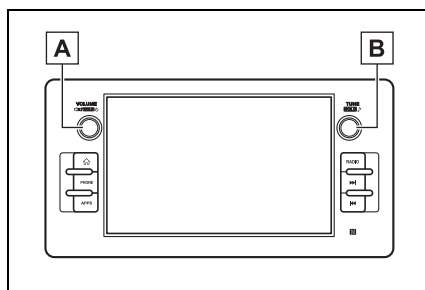
- Connect a portable audio device. (→P.19)
- Select “AUX” on the media control screen. (→P.68)

Control screen



- A** Select to switch between other media sources.
- B** Select to display the sound customization screen. (→P.69)

Control panel



- A** Turn to adjust the volume.

Press to mute the audio system.

Press and hold to turn the audio system off, and press and hold to turn it on again.

- B** Press and hold to display the sound customization screen. (→P.69)

! WARNING

- Do not operate the player's controls or connect the portable audio device while driving.

! NOTICE

- Do not leave portable audio device in the vehicle. The temperature inside the vehicle may become high, resulting in damage to the 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.

Android Auto*

*: When connected as an Android Auto device

Audio files on an Android Auto device can be played back.

Connecting an Android Auto device

- 1 Connect an Android Auto device to the USB port. (→P.19)
- 2 Check the confirmation message, and then select “Yes”.
 - If “Don’t show again.” is selected, the confirmation message will not be displayed again.
 If the connected Android device is not recognized as an Android Auto device, select the check box for the device on the Android Auto device list. (→P.62)

Overview

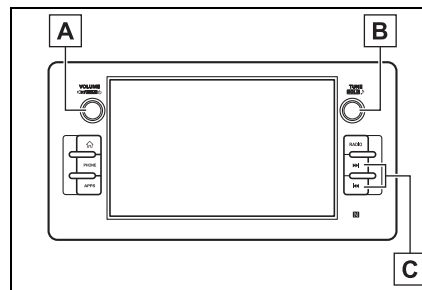
Select “Android Auto” on the media control screen. (→P.68)

Control screen



- A** Select to switch between other media sources.
- B** Displays cover art.
- C** Select to display the sound customization screen. (→P.69)
- D** Shows progress.
- E** Select to pause/play.
- F** Select to change the track.

Control panel



- A** Turn to adjust the volume.
Press to mute the audio system.
Press and hold to turn the audio system off, and press and hold to turn it on again.
- B** Turn to change the track.
Press and hold to display the

sound customization screen.
(→P.69)

 Press to change a track.

- Depending on the device or music file being played, the cover art may not be displayed.

**WARNING**

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

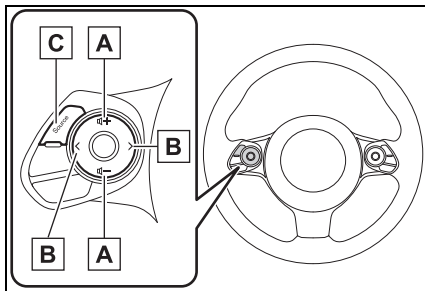
**NOTICE**

- 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.

Steering switches

Steering switch operation

Some parts of the audio system can be controlled using the steering wheel controls.



A Volume control switch

Mode	Operation/function
Volume	Press: Volume up/down
	Press and hold: Volume up/down continuously

B Seek switch

Mode	Operation/function
AM/FM, SiriusXM®	Press: Preset station/channel up/down
	Press and hold: Scan and stop at the first received station when the switch is released

Mode	Operation/function
USB, iPod/iPhone, Bluetooth® audio, Apple Car-Play	Press: Change a track/file
	Press and hold: Fast forward/rewind
Android Auto	Press: Change a track

C “Source” switch

Mode	Operation/function
All	Press: Turn on the audio system or change the audio source mode
	Press and hold: Turn off the audio system

Operating information

- The use of a cellular phone inside or near the vehicle may cause a noise from the speakers of the audio system which you are listening to. However, this does not indicate a malfunction.

**NOTICE**

- To avoid damage to the audio system, be careful not to spill beverages over the audio system.

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® Radio.
- Alternation or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.

USB memory device

- USB communication formats: USB 2.0 LS (1.5 Mbps)/FS (12 Mbps)/HS (480 Mbps)
- File formats: FAT 32
- Correspondence class: Mass storage class

iPod/iPhone

The following iPod touch and iPhone devices can be used with this system.

Made for

- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Max
- iPhone XS
- iPhone XR
- iPhone X
- iPhone 8 Plus
- iPhone 8
- iPhone 7 Plus
- iPhone 7
- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPhone 6 Plus
- iPhone 6
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPod touch (6th generation)

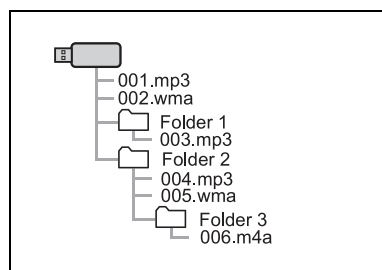
- This system only supports audio playback.
- Depending on difference between models or software versions etc., some models might be incompatible with this system.

File information

Codec	Description	Channels	Container/ Extension
MPEG-4 AAC LC	8-48 kHz sampling rate 8-320 kbps CBR, VBR	Mono and stereo	.m4a, .aac
MPEG-4 HE AAC	16-48 kHz sampling rate 8-320 kbps CBR, VBR	Mono and stereo	.m4a, .aac
MPEG-4 HE AAC v2	16-48 kHz sampling rate 8-320 kbps CBR, VBR	Mono and stereo	.m4a, .aac
MP3	8-48 kHz sampling rate 8-320 kbps CBR, VBR	Mono, Stereo, and Joint	.mp3
WMA2/7/8/ 9/9.1/9.2	16-48 kHz sampling rate 8-320 kbps CBR, VBR	Mono and stereo	.wma
PCMWAVE	8000, 16000, and 44100 Hz sampling frequency 8 bit and 16 bit	Mono and stereo	.wav
FLAC	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz sampling rate 16 bit and 24 bit	Mono and stereo	.flac
ALAC	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz sampling rate 16 bit and 24 bit	Mono and stereo	.m4a

- The player is compatible with VBR (Variable Bit Rate).
- MP3 (MPEG Audio Layer 3), WMA (Windows Media Audio) and AAC (Advanced Audio Coding) are audio compression standards.
- This system can play AAC/AAC+ v2/MP3/WMA files on USB memory device, and Bluetooth® device.
- When naming an AAC/AAC+ v2/MP3/WMA file, add an appropriate file extension (.mp3/.wma/.m4a).
- This system plays back files with .mp3/.wma/.m4a file extensions as AAC/AAC+ v2/MP3/WMA files respectively. To prevent noise and playback errors, use the appropriate file extension.

- 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 folder name, file name 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 file name and artist name.
- 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, USB memory device recorded with a bit rate of at least 128 kbps are recommended.
- m3u playlists are not compatible with the audio device.
- MP3i (MP3 interactive) and MP3PRO formats are not compatible with the audio device.
- When playing back files recorded as VBR (Variable Bit Rate) files, the play time will not be correctly displayed if the fast forward or rewind operations are used.
- It is not possible to check folders that do not include AAC/AAC+ v2/MP3/WMA files.
- AAC/AAC+ v2/MP3/WMA files in folders up to 3 levels deep can be played. However, the start of playback may be delayed when using USB memory device containing numerous levels of folders. For this reason, we recommend creating USB memory device with no more than 2 levels of folders.



- The play order of a USB memory device may change depending on the personal computer and AAC/AAC+ v2/MP3/WMA encoding software that were used.
- 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. This product is protected by certain intellectual property rights of Microsoft Corporation and third parties. Use or distribution of such technology outside of this product is prohibited without a license

from Microsoft or an authorized Microsoft subsidiary and third parties.

- 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.

Voice command system

7

97

7-1. Voice command system operation

Voice recognition system	98
Command list	99

7

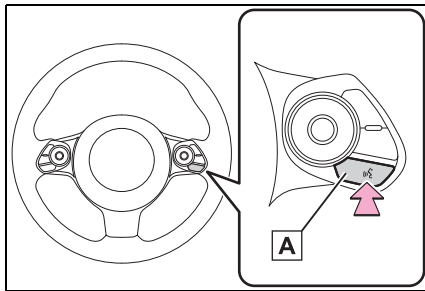
Voice command system

Voice recognition system

The voice recognition system enables the audio, hands-free systems, etc. to be operated using voice commands. Refer to the command list for samples of voice commands. (→P.99)

Using the voice recognition system

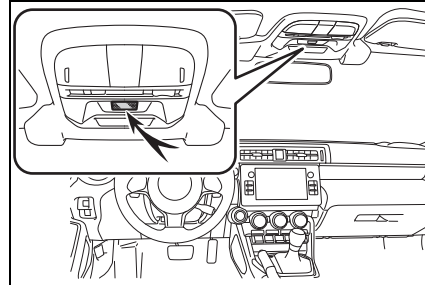
Steering switch



A Talk switch

- Press the talk switch to start the voice recognition system.
- To cancel voice recognition, press and hold the talk switch.

Microphone



- It is unnecessary to speak directly into the microphone when giving a command.



NOTICE

- Do not touch and put a sharp object to the microphone. It may cause failure.
- This function or part of this function may not be available in some languages and countries.
- Wait for the confirmation beep before speaking a command.
- Voice commands may not be recognized if:
 - Spoken too quickly.
 - Spoken at a low or high volume.
 - Driving with a window open.
 - Passengers are talking while voice commands are spoken.
 - The air conditioning speed is set high.
 - When air from the ventilator blows directly toward 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.

Voice recognition system operation

- 1 Press the talk switch.
- After the voice recognition top screen has been displayed, speech guidance will commence.
- 2 Say the command.



- When selecting "Help" or saying "Help", all commands supported by the system are listed.
- If a category name is selected, the selected category command list will be displayed.
- To cancel voice recognition, select , or press and hold the talk switch.
- Turn the "VOLUME" knob, or use the volume control switch on the steering wheel to adjust the speech guidance volume.

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 in the vehicle, the related commands will not be displayed in the screen. Also, according to conditions, other commands may not be displayed in the screen.
- The functions available may vary according to the system installed.
- If the system language is changed on the general settings screen, the language of the voice recognition function will also change. Refer to the "OWNER'S MANUAL" for details.

- The notations used in the commands are as follows.
- <○○○>: Numbers, titles, or names to be spoken

Command list**■ Phone commands**

Voice command	Function
Call a contact	Places a call to the spoken contact name and phone type of the contact from the phonebook
Call <name> <phone type>	Places a call to the spoken contact name and phone type of the contact from the phonebook
Pair phone	Displays "Manage Devices" screen
Send a text by contact	Sends the preset message to the spoken contact name and phone type of the contact from the phonebook
Dial a number	Places a call to the spoken phone number
Dial <number>	Places a call to the spoken phone number
Call back	Places a call to the phone number of the latest incoming call
Redial	Places a call to the phone number of the latest outgoing call

Voice command	Function
Show messages	Displays received text messages
Show recent calls	Displays the call history screen
Send a text to <number>	Sends a text message to the spoken phone number
Send a text by recent calls	Sends a text message by the recent call list
Send a text to <name> <phone type>	Sends a text message to the spoken contact name and phone type of the contact from the phonebook

■ Music commands

Voice command	Function
Turn music on	Turns music on
Turn music off	Turns music off
Play song <name>	Plays the selected song
Play artist <name>	Plays tracks from the selected artist
Play playlist <name>	Plays tracks from the selected playlist
FM radio	Switches to FM radio
AM radio	Switches to AM radio

Voice command	Function
Sirius XM	Switches to SiriusXM® Radio
iPod	Switches to iPod/iPhone
Radio frequency	Tunes radio frequency
Go to a preset	Selects a preset
Channel <name>	Switches to a selected satellite radio channel
Play genre <name>	Plays tracks from the selected genre
Play album <name>	Plays tracks from the selected album
Play composer <name>	Plays tracks from the selected composer
Play audiobook <name>	Plays the selected audiobook
Play podcast <name>	Plays the selected podcast
Browse genre <name>	Displays the list of artists of genre
Browse artist <name>	Displays the list of albums of the artist
Browse album <name>	Displays the list of songs of the album
Browse playlist <name>	Displays the list of playlist

Voice command	Function
Browse composer <name>	Displays the list of albums from the composer
Browse songs	Displays the list of songs
Browse audio-books	Displays the list of audiobooks
Browse podcasts	Displays the list of podcasts
Auxiliary	Switches source to auxiliary
USB	Switches source to USB
Bluetooth audio	Switches source to Bluetooth® audio
Tune to <frequency> AM	Tunes AM radio frequency
Tune to <frequency> FM	Tunes FM radio frequency
Tune to FM <frequency> HD <subchannel>	Tunes FM radio frequency
Listen to a radio genre - FM radio -	Selects a radio genre
Listen a <genre> FM station	Selects a radio genre
Tune to preset <number>	Selects a preset
Tune to channel number	Selects a satellite radio channel
Satellite channel <number>	Selects a satellite radio channel

● Depending on the device, your

102 7-1. Voice command system operation

iPod/iPhone may not work when operated via voice recognition.

■ Apps commands

Voice command	Function
Launch <app name>	Changes screen to selected application
Weather	Changes screen to SiriusXM Travel Link Weather
Weather alert	Changes screen to SiriusXM Travel Link Weather Alerts
Parking	Changes screen to SiriusXM Travel Link Parking
Sports	Changes screen to SiriusXM Travel Link Sports
Go to CarPlay	Changes screen to Apple CarPlay
Go to Android Auto	Changes screen to Android Auto
Stocks	Changes screen to SiriusXM Travel Link Stocks
Fuel prices	Changes screen to SiriusXM Travel Link Fuel Prices

Voice command	Function
Show weather for a city	Changes screen to SiriusXM Travel Link Weather
Show weather forecast for <city name>	Changes screen to SiriusXM Travel Link Weather

Connected Services

8

103

8-1. Connected Services overview

Functional overview 104

Type A: Function achieved
by using DCM..... 104

Type B: Function achieved
by using DCM and a
smartphone 105

8

Connected Services

Functional overview

Toyota Connected includes Safety Connect and Remote Connect.*

*: Vehicles with DCM

Functional overview

- The functions included are classified into the following two types.
- Type A: Function achieved by using DCM
- Type B: Function achieved by using DCM and a smartphone

Function	Type
Safety Connect	Type A
Remote Connect, Service Connect	Type B

- Each function is available in the following areas:
 - Safety Connect is available in the contiguous United States, Washington D.C., Alaska, Hawaii and Canada.
 - Remote Connect is available in the contiguous United States, Washington D.C., Alaska, Hawaii and Canada.
 - Service Connect is available in the contiguous United States, Washington D.C., Alaska, Hawaii and Canada.
- Connected services functionality is dependent upon network reception level and signal strength.

Type A: Function achieved by using DCM

The functionality of Safety Connect is made possible by the use of a DCM.

For details, refer to “OWNER’S MANUAL”.

Safety Connect

- 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://regulation.subaru.co.jp/oss/>
- Exposure to radio frequency signals:
The Toyota audio multimedia 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 Toyota audio multimedia system complies with the FCC guidelines in addition to those standards.
- Contact with the Toyota response center is dependent upon the telematics device being in operative condition and GPS satellite signal reception, which can limit the ability to reach the Toyota 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 Toyota response center offers support in multiple languages.
- Select 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 1-800-331-4331 in the United States and 1-888-869-6828 in Canada and following the prompts for Safety Connect.
- For further details about the service, contact your Toyota dealer.
- Toyota audio multimedia functions are not subject to section 255 of the Telecommunications Act and the system is not TTY compatible.

Type B: Function achieved by using DCM and a smart-phone

The functionality of Remote Connect and Service Connect are made possible by the use of a DCM and a smartphone.

For details about these services, refer to <https://www.toyota.com/connected-services>.

Remote Connect

Remote Connect is a smart-phone application that lets you view and remotely control certain aspects of your vehicle.

■ Subscription

- After you sign the Telematics Subscription Service Agreement (see the Safety Connect section in "OWNER'S MANUAL"), download the Toyota mobile app from your smart-phone'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 Toyota dealer, or call 1-800-331-4331 for further subscription details.

■ **Availability of function**

- Remote Connect is available in the contiguous United States, Washington D.C., Alaska, Hawaii and Canada.
- Availability of functions of the Remote Connect is dependent on network reception level.



WARNING

- Operating Remote Connect incorrectly may lead to unforeseen accidents or malfunctions. Check the vehicle condition and assume full responsibility before using.

- Remote Connect should only be used by authorized users.
- Laws in some communities may require that the vehicle be within view of the user when operating Remote Connect. In some states, use of Remote Connect may violate state or local laws. Before using Remote Connect, check your state and local laws.
- Any malfunction of the vehicle should be repaired by your Toyota dealer.
- Remote Connect is designed to work at temperatures above approximately -22 °F (-30 °C). This specification is related to the Remote Connect 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 <https://www.toyota.com/connected-services> in the United States and

<https://www.toyota.ca/connected> in Canada.

Service Connect

Service Connect uses DCM to collect and transmit vehicle data that allows Toyota to provide:

- Vehicle Health Report (VHR)
- Maintenance Notifications
- Vehicle Alert Notifications

■ **Availability of function**

- Service Connect is available in the contiguous United States, Washington D.C., Alaska, Hawaii and Canada.
- Availability of functions of the Service Connect is dependent on network reception level.

What to do if...

9

107

9-1. What to do if...

Troubleshooting 108

9

What to do if...

Troubleshooting

Troubleshooting issues common to this system

Symptom	Cause	Action
The touch screen becomes unresponsive during operation.	An error has occurred in the system.	Press and hold the "VOLUME" knob for 10 seconds or longer to reset the system.
The sound suddenly stops working.		
Only the background is displayed on the screen and no icons appear.		
The sound of radio or connected media stops working.	When Apple CarPlay/Android Auto is used, a smartphone application, such as camera, is operated.	Terminate either Apple CarPlay/Android Auto or the operated smartphone application.

Radio operation

Symptom	Cause	Action
Mismatch of time alignment- a user may hear a short period of programming replayed or an echo, stutter or skip.	The radio stations analog and digital volume is not properly aligned or the station is in ball-game mode.	None, radio broadcast issue. A user can contact the radio station.
Sound fades, blending in and out.	Radio is shifting between analog and digital audio.	Reception issue, may clear-up as the vehicle continues to be driven. Turning the indicator of the HD Radio button off can force radio in an analog audio.
Audio mute condition when an HD2/HD3 multicast channel had been playing.	The radio does not have access to digital signals at the moment.	This is normal behavior, wait until the digital signal returns. If out of the coverage area, seek a new station.

Symptom	Cause	Action
Audio mute delay when selecting an HD2/HD3 multicast channel pre-set.	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.	This is normal behavior, wait for the audio to become available.
Text information does not match the present song audio.	Data service issue by the radio broadcaster.	Broadcaster should be notified.
No text information shown for the present selected frequency.	Data service issue by the radio broadcaster.	Broadcaster should be notified.

Phone

If there is a problem with the hands-free system or a Bluetooth® phone, first check the table below.

► When using the hands-free system with a Bluetooth® phone

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
The hands-free system or Bluetooth® phone does not work.	The connected Bluetooth® phone may not be a compatible Bluetooth® cellular phone.	For a list of specific Bluetooth® phones which operation has been confirmed on this system. Refer to https://www.toyota.com/audio-multimedia in the United States, https://www.toyota.ca/connected in Canada, and http://www.toyotapr.com/audio-multimedia in Puerto Rico, to find approved Bluetooth® phones for this system.	*	P.20
	The Bluetooth® version of the connected cellular phone may be older than the specified version.	Use a cellular phone with Bluetooth® version 2.1 or higher. Recommended: Ver. 4.2 or higher	*	P.20

*: For details, refer to the owner's manual that came with the cellular phone.

► When registering/connecting a cellular phone

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
A cellular phone cannot be registered.	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.27
A Bluetooth® connection cannot be made.	Another Bluetooth® phone is already connected.	Manually connect the cellular phone you wish to use to this system.	-	P.25
	Bluetooth® function is not enabled on the cellular phone.	Enable the Bluetooth® function on the cellular phone.	*	-

*: For details, refer to the owner's manual that came with the cellular phone.

112 9-1. What to do if...

► When making/receiving a call

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
A call cannot be made/received.	Your vehicle is in a "No Service" area.	Move into the service area.	-	-

► When using the phonebook

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
Phonebook data cannot be transferred automatically.	The profile version of the connected cellular phone may not be compatible with transferring phonebook data.	For a list of specific Bluetooth® phones which operation has been confirmed on this system. Refer to https://www.toyota.com/audio-multimedia in the United States, https://www.toyota.ca/connected in Canada, and http://www.toyotapr.com/audio-multimedia in Puerto Rico, to find approved Bluetooth® phones for this system.	*	P.20
	Automatic contact transfer function on this system is set to off.	Set automatic contact transfer function on this system to on.	-	P.27

*: For details, refer to the owner's manual that came with the cellular phone.

► When using the Bluetooth® message function

Symptom	Likely cause	Solution	Page	
			Cellu- lar phone	This system
Messages cannot be viewed.	Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).	*	-

*: For details, refer to the owner's manual that came with the cellular phone.

► In other situations

Symptom	Likely cause	Solution	Page	
			Cellular phone	This system
Even though all conceivable measures have been taken, the symptom status does not change.	The cellular phone is not close enough to this system.	Bring the cellular phone closer to this system.	-	-
	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.

Updating the system

If a problem occurs when attempting to perform a system update, refer to the following table.

Symptom	Cause	Solution
“A software download error occurred. Please try again.” is displayed.	The set time of the clock and actual time differ greatly.	Set the clock to the correct time. Move the vehicle to an area where cellular phone reception is good.
	An error occurred at the server. (Server cannot respond temporarily due to maintenance, etc.)	Wait for the server to return to normal.
“No server response. Please try again.” is displayed.	Communication between the Wi-Fi [®] access point and server has been lost.	Check that the Wi-Fi [®] access point can connect to the internet and perform the update in an area with low electrical noise.
“Download has paused due to poor download speed.” is displayed.	The connection between the system and the Wi-Fi [®] access point is weak or has been lost.	Use another Wi-Fi [®] access point or use a mobile router or tethering function of a smartphone to try an update again.
“Connection failed. Unable to check for updates because no active internet connection has been detected.” is displayed.	The connection between the system and the Wi-Fi [®] access point is weak or has been lost.	Use another Wi-Fi [®] access point or use a mobile router or tethering function of a smartphone to try an update again.

10-1.Reference

Certification 118

How to get the source code
using the open source
..... 124

Certification**SiriusXM® radio**

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SiriusXM data service

Neither SiriusXM nor TOYOTA MOTOR CORPORATION is responsible for any errors or inaccuracies in the SiriusXM data services or its use in vehicle.

Radio wave communications

- ▶ U.S.A.
- FCC ID: HYQDNNS114
- 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 oper-

ate the equipment.

- **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.

- **Co-location:**

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

- ▶ **Canada**

- 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.

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.

- **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.

ATTENTION: exposition aux radiofréquences

- Cet équipement est conforme aux limites d'exposition aux rayonnements d'ISDE établies pour un environnement non contrôlé ainsi que la norme CNR-102 de la réglementation d'ISDE relative à 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.

Bluetooth®



- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by TOYOTA MOTOR CORPORATION and DENSO Corporation is under license. Other trademarks and trade names are those of their respective owners.

iPhone/iPod



- 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, Lightning and

App Store are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

Apple CarPlay



- 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, iPhone, iPod, iPod touch and Apple CarPlay are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

Android Auto

androidauto

- Android Auto is a trademark of Google LLC.

Gracenote

Gracenote, the Gracenote logo and logotype are either a registered trademark or a trademark of Gracenote, Inc. in the United States and/or other countries.

gracenote
a nielsen company

Safety Connect

Cellular
FCC ID: LHJ-BL28NA003
IC: 2807E-BL28NA003

Wi-Fi
FCC ID: LHJ-STRLNK2P
IC: 2807E-STRLNK2P

This device complies with Part 15, Part 22(H), Part 24(E) and Part 27 of the FCC Rules. The FCC ID for this device is LHJ-STRLNK2P. It also contains a certified module with FCC ID: LHJ-BL28NA003.

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

REMARQUE

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, et, and
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution: Exposure to Radio Frequency Radiation

1. To comply with the Canadian RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

2. To comply with RSS 102 RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

Attention: exposition au rayonnement radiofréquence

1. Pour se conformer aux exigences de conformité RF canadienne l'exposition, cet appareil et son antenne ne doivent pas être co-localisés ou fonctionnant en conjonction avec une autre antenne ou transmetteur.

2. Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparation d'au moins 20 cm doit être maintenue entre l'antenne de cet appareil et toutes les personnes.

Others

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<https://www.denso.com/global/en/opensource/ivi/toyota/>

Index

125

Alphabetical Index..... 126

Alphabetical Index

A

Add Shortcut button (Home screen)9
AM radio71
Android Auto61, 89
Apple CarPlay59
APPS button8
Apps button (Home screen)9
Audio
 Audio source68
 Operating information.....92
 Some basics.....68
 Sound settings69
 Turning the system on and off 68
 Voice recognition system70
Audio source68
AUX.....88

B

Before using applications56
Bluetooth® audio.....85
Bluetooth® phone message function.....50
Bluetooth® settings.....24
Buttons overview8

C

Call screen operation.....49
Calling methods on the Bluetooth® phone46
Calling on the Bluetooth® phone46
 By contacts list47
 By favorites list47
 By keypad47
 By recent calls list46
Car settings (Settings screen) 11
Car Settings button (Home screen)10
Command list99

D

DCM104, 105

E

Entering letters and numbers/list screen operation.....17
 Entering letters and numbers .17
 List screen18

F

FM radio.....71
Functional overview104

G

General settings29
General settings (Settings screen).....11

H

HOME button.....8, 16
Home screen9, 16
 Home screen operation9

I

Initial screen.....14
 Caution screen14
 Maintenance information14
 Restarting the system.....14
iPod/iPhone.....82

M

Maintenance button (Home screen).....9
Media button (Home screen)9
Microphone44

P**Phone**

Phone screen	42
Phone screen operation	42
Registering/Connecting a Bluetooth® phone	44
Some basics.....	43
PHONE button	8
Phone button (Home screen)	9
Phone settings (Settings screen)	11
POWER VOLUME knob	8, 68

R**Radio**

AM radio/FM radio.....	71
SiriusXM Radio	75
Radio button	8
Radio button (Home screen)	9
Radio settings	37
Radio settings (Settings screen)	11
Receiving on the Bluetooth® phone	48
Incoming calls	48
Registering/Connecting a Bluetooth® device	20
Profiles	20
Registering a Bluetooth® phone for the first time	19
Remote Connect	105

S

Screen adjustment	18
SEEK/TRACK button	8
Service Connect	106
Setting	
Bluetooth® settings	24
General settings	29
Radio settings	37

Sound settings.....	36
Settings button (Home screen) .	9
Settings screen	11
SiriusXM Radio	75
SiriusXM Travel Link	63
Sound settings	36
Sound settings (Settings screen)	11
Status icon	10
Status icon explanation	10
Steering switch	91
Talk switch	98

T

Talking on the Bluetooth® phone	49
Touch screen	15
Touch screen gestures	15
Touch screen operation	15
Troubleshooting	108
Updating the system.....	114
TUNE knob	8

U

USB memory	81
-------------------------	----

V

Voice recognition system	98
Using the voice recognition system	98

For more information about the following items, see the "OWNER'S MANUAL".

- Roadside Assistance
- Vehicle customization settings

128

· Safety Connect