

TABLE OF CONTENTS

1	QUICK GUIDE	9
2	BASIC FUNCTION	27
3	NAVIGATION SYSTEM	58
4	VOICE COMMAND SYSTEM	133
5	INFORMATION	147
6	LEXUS ENFORM WITH SAFETY CONNECT	169
	INDEX	199

Introduction

NAVIGATION SYSTEM OWNER'S MANUAL

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

The screen shots in this document and the actual screens of the navigation system differ depending on whether the functions and/or a contract existed and the map data available at the time of producing this document.

NAVIGATION SYSTEM

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

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

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

The system will provide both a visual map and audio instructions. The audio instructions will announce the distance remaining and the direction to turn in when approaching an intersection. These voice instructions will help you keep your eyes on the road and are timed to provide enough time to allow you to maneuver, change lanes or slow down.

Please be aware that all current vehicle navigation systems have certain limitations that may affect their ability to perform properly. The accuracy of the vehicle's position depends on satellite conditions, road configuration, vehicle condition or other circumstances. For more information on the limitations of the system, refer to pages 130 through 132.

TOYOTA MOTOR CORPORATION

IMPORTANT INFORMATION ABOUT THIS MANUAL

For safety reasons, this manual indicates items requiring particular attention with the following marks.

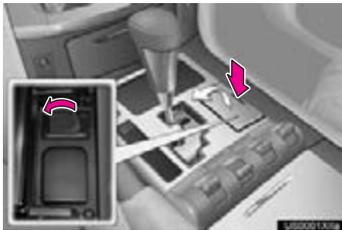
CAUTION

- This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

NOTICE

- This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.

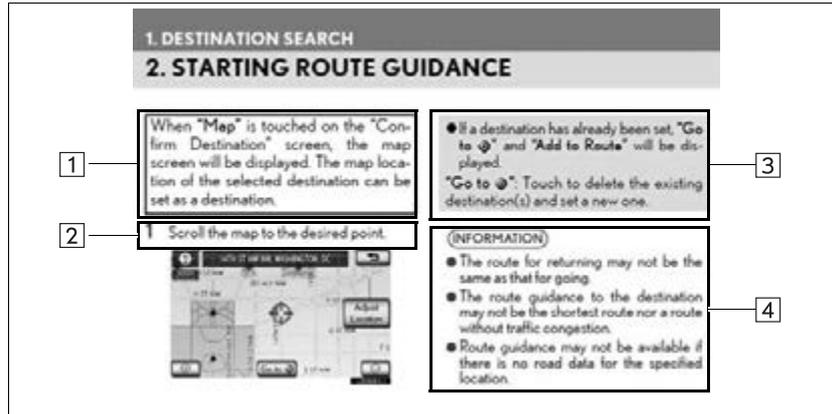
SYMBOLS USED IN ILLUSTRATIONS



Arrows indicating operations

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

HOW TO READ THIS MANUAL



No.	Name	Description
1	Operational Outlines	An outline of the operation is explained.
2	Main Operations	The steps of an operation are explained.
3	Related Operations	A main operation's supplementary operations are described.
4	Information	Useful information for the user is described.

SAFETY INSTRUCTION



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

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

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

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

For your safety, some functions may become inoperable when driving. Unavailable screen buttons are dimmed. Only when the vehicle is not moving, can the destination and route selection be done.

CAUTION

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

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

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

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. Under no circumstances is this system a substitute for the driver's personal judgement.

Use this system only in locations where it is legal to do so. Some states/provinces may have laws prohibiting the use of video and navigation screens next to the driver.

TABLE OF CONTENTS

1 QUICK GUIDE

1. NAVIGATION OPERATION	10
OVERVIEW BUTTON AND GUIDANCE SCREEN	10
REGISTERING HOME	12
REGISTERING PRESET DESTINATIONS.....	14
OPERATION FLOW: GUIDING THE ROUTE.....	16
SETTING HOME AS THE DESTINATION.....	17
2. FUNCTION INDEX	18
NAVIGATION SYSTEM FUNCTION INDEX.....	18
3. QUICK REFERENCE	20
"Destination" SCREEN.....	20
"Setup" SCREEN.....	22
"Information" SCREEN.....	24

2 BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION	28
INITIAL SCREEN	28
TOUCH SCREEN OPERATION	29
INPUTTING LETTERS AND NUMBERS/LIST SCREEN OPERATION.....	30
SCREEN ADJUSTMENT	33
MAP SCREEN OPERATION.....	35
2. SETUP	46
GENERAL SETTINGS	46
VOICE SETTINGS.....	56

3 NAVIGATION SYSTEM

1. DESTINATION SEARCH	60
DESTINATION SEARCH	60
STARTING ROUTE GUIDANCE	78
2. ROUTE GUIDANCE	82
ROUTE GUIDANCE SCREEN.....	82
TYPICAL VOICE GUIDANCE PROMPTS.....	85
DISTANCE AND TIME TO DESTINATION	88
SETTING AND DELETING DESTINATIONS.....	89
SETTING ROUTE.....	91
3. ADDRESS BOOK	100
NAVIGATION SETTINGS.....	100
4. SETUP	116
DETAILED NAVIGATION SETTINGS.....	116
VEHICLE SETTINGS.....	124
5. GPS (GLOBAL POSITIONING SYSTEM)	130
LIMITATIONS OF THE NAVIGATION SYSTEM	130

4 VOICE COMMAND SYSTEM

1. VOICE COMMAND SYSTEM OPERATION	134
VOICE COMMAND SYSTEM.....	134
NATURAL SPEECH INFORMATION (ENGLISH ONLY).....	140
EXPANDED VOICE COMMANDS.....	142
COMMAND LIST	143

5 INFORMATION

1. INFORMATION DISPLAY 148
MAP DATABASE VERSION AND
COVERAGE AREA 148

2. XM FUNCTION-OVERVIEW 150
XM SERVICES 150

3. XM FUNCTION OPERATION 153
XM Sports 153
XM Stocks 156
XM Fuel Prices 159
XM NavWeather™ 162
XM NavTraffic® 165

4. SETUP 168
XM SETTINGS 168

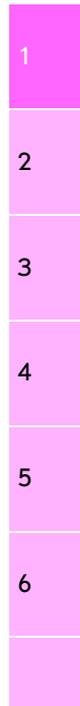
6 LEXUS ENFORM WITH SAFETY CONNECT

1. LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW 170
FUNCTIONAL OVERVIEW 170
TYPE A: FUNCTION ACHIEVED
BY USING A CELLULAR PHONE 171
TYPE B: FUNCTION ACHIEVED
BY USING DCM AND
THE NAVIGATION SYSTEM 176
TYPE C: FUNCTION ACHIEVED
BY USING DCM 179

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION 180
APPS 180
Destination Assist 187
eDestination 189
Lexus Insider 193

INDEX

ALPHABETICAL INDEX 200



1

QUICK GUIDE

1 NAVIGATION OPERATION

1. OVERVIEW BUTTON AND GUIDANCE SCREEN 10
2. REGISTERING HOME 12
3. REGISTERING PRESET DESTINATIONS 14
4. OPERATION FLOW: GUIDING THE ROUTE 16
5. SETTING HOME AS THE DESTINATION 17

2 FUNCTION INDEX

1. NAVIGATION SYSTEM FUNCTION INDEX 18

3 QUICK REFERENCE

1. "Destination" SCREEN 20
2. "Setup" SCREEN 22
3. "Information" SCREEN 24

1

2

3

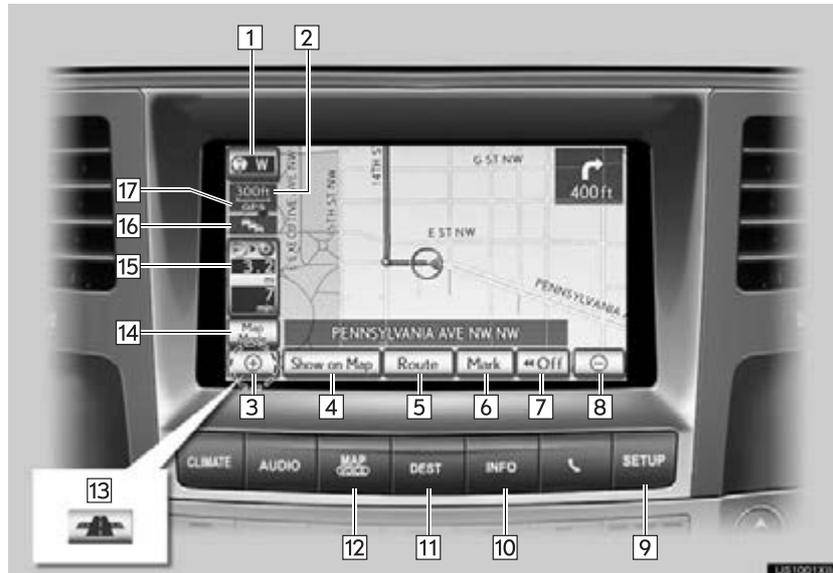
4

5

6

1. NAVIGATION OPERATION

1. OVERVIEW BUTTON AND GUIDANCE SCREEN



No.	Name	Function	Page
1	North-up or heading-up symbol	This symbol indicates whether the map orientation is set to north-up or heading-up. Touching this symbol changes the map orientation. Both north-up and heading-up symbols display the vehicles direction as a letter (e.g. N for north).	44
2	Scale indicator	This figure indicates the map scale.	43
3	Zoom in button	Touch to magnify the map scale.	43
4	"Show on Map"	Touch to browse information about guidance route, to set the POI (Point of Interest) icons to be displayed on the screen, or to record the route.	96, 166, 192
5	"Route"	Touch to change the route.	89, 91
6	"Mark"	Touch to register the current position or the cursor position as an address book entry.	36

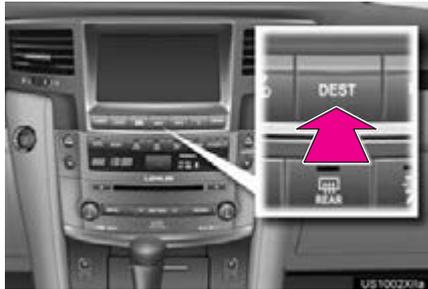
No.	Name	Function	Page
7	"◀◀ Off"	Touch to obtain a broader view. Some of the buttons on the screen will not be displayed. They are displayed again by touching "On ▶▶".	120
8	Zoom out button	Touch to reduce the map scale.	43
9	"SETUP" button	Press to display the "Setup" screen.	22, 33, 46, 56, 100, 116, 124, 168, 196
10	"INFO" button	Press to display the "Information" screen.	24, 148, 153, 156, 159, 162, 165, 180, 193
11	"DEST" button	Press to display the "Destination" screen.	12, 14, 16, 17, 20, 60, 187, 189
12	"MAP/VOICE" button	Press to repeat a voice guidance, cancel the map scroll, start guidance or display the current position.	35
13	Foot print map button	Touch to display the foot print map and the building information.	43
14	"Map Mode"	Touch to display the "Map Mode" screen.	40
15	Distance and time to destination	Displays the distance, estimated travel and arrival time to the destination.	88
16	XM indicator	This mark is displayed when XM information is received.	164, 166
17	"GPS" mark (Global Positioning System)	Whenever the vehicle is receiving signals from the GPS, this mark is displayed.	130

*: Press and hold the "PWR·VOL" knob for 3 seconds or more to turn off the screen and restart the navigation system. Do this when the vehicle-mounted device response is extremely slow.

1. NAVIGATION OPERATION

2. REGISTERING HOME

- 1 Press the "DEST" button.



- 2 Touch "Go Home".



If a home address has not been registered, it can be registered by touching "Go Home".

- 3 Touch "Yes".



- 4 There are 4 different methods to search your home. (See "DESTINATION SEARCH" on page 60.)

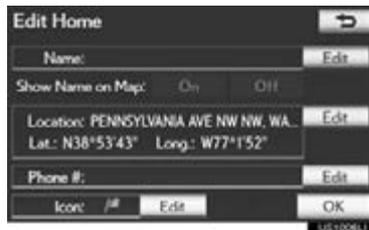


- 5 Touch "Enter".



The "Edit Home" screen is displayed.

6 Touch "OK".



Registration of home is complete.

Home can also be registered by touching "**Navigation**" on the "Setup" screen. (See "REGISTERING HOME" on page 101.)

The name, location, phone number and icon can be changed. (See "EDITING HOME" on page 102.)

The registered points can be used on the "Destination" screen. (See "DESTINATION SEARCH BY HOME" on page 61.)

1. NAVIGATION OPERATION

3. REGISTERING PRESET DESTINATIONS

- 1 Press the "DEST" button.



- 2 Touch one of the preset destination buttons.

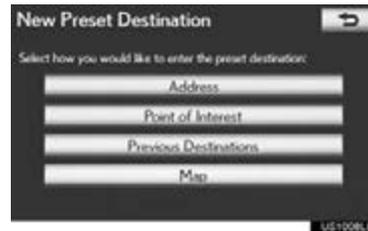


A preset destination can be set to any preset destination button that has not yet been set.

- 3 Touch "Yes".



- 4 There are 4 different methods to search preset destinations. (See "DESTINATION SEARCH" on page 60.)



- 5 Touch "Enter".



The "Edit Preset Destination" screen is displayed.

6 Touch "OK".



Registration of preset destinations is complete.

Preset destinations can also be registered by touching "**Navigation**" on the "Setup" screen. (See "REGISTERING PRESET DESTINATIONS" on page 103.)

The name, location, phone number and icon can be changed. (See "EDITING PRESET DESTINATIONS" on page 104.)

The registered points can be used on the "Destination" screen. (See "DESTINATION SEARCH BY PRESET DESTINATIONS" on page 61.)

1. NAVIGATION OPERATION

4. OPERATION FLOW: GUIDING THE ROUTE

- 1 Press the "DEST" button.



- 2 There are 11 different methods to search destinations. (See "DESTINATION SEARCH" on page 60.)

► Page 1



► Page 2



- 3 Touch "Go to" icon.



The navigation system performs a search for the route.

- 4 Touch "OK", and start driving.



Routes other than the one recommended can also be selected. (See "STARTING ROUTE GUIDANCE" on page 78.)

Guidance to the destination is displayed on the screen and can be heard via voice guidance.

1. NAVIGATION OPERATION

5. SETTING HOME AS THE DESTINATION

- 1 Press the "DEST" button.



- 2 Touch "Go Home".



"Go Home" can be used if your home address has been registered. (To register home, see "REGISTERING HOME" on page 101.)

Your home address is set as the destination. The navigation system performs a search for the route.

- 3 Touch "OK", and start driving.



Routes other than the one recommended can also be selected. (See "STARTING ROUTE GUIDANCE" on page 78.)

Guidance to the destination is displayed on the screen and can be heard via voice guidance.

2. FUNCTION INDEX

1. NAVIGATION SYSTEM FUNCTION INDEX

► Map

Displaying maps	Page
Viewing the map screen	10
Displaying the current position	35
Viewing the current position vicinity map	35
Changing the scale	43
Changing the map orientation	44
Displaying Points of Interest	96
Displaying the estimated travel/arrival time to the destination	88
Selecting the map mode	40
Deleting map screen buttons	120
Displaying traffic information	165

Searching destinations	Page
Searching the destination	60
Changing the selected search area	60
Operating the map location of the selected destination	78

► Route guidance

Before starting route guidance	Page
Setting the destination	78
Viewing alternative routes	80
Starting route guidance	78

Before starting or during route guidance	Page
Viewing the route	78
Adding destinations	89
Changing the route	91
Displaying the estimated travel/arrival time to the destination	88

During route guidance	Page
Pausing route guidance	95
Adjusting route guidance volume	57
Deleting the destination	90
Displaying the entire route map	92

► Useful functions

Address book	Page
Registering address book entries	105
Marking icons on the map	107

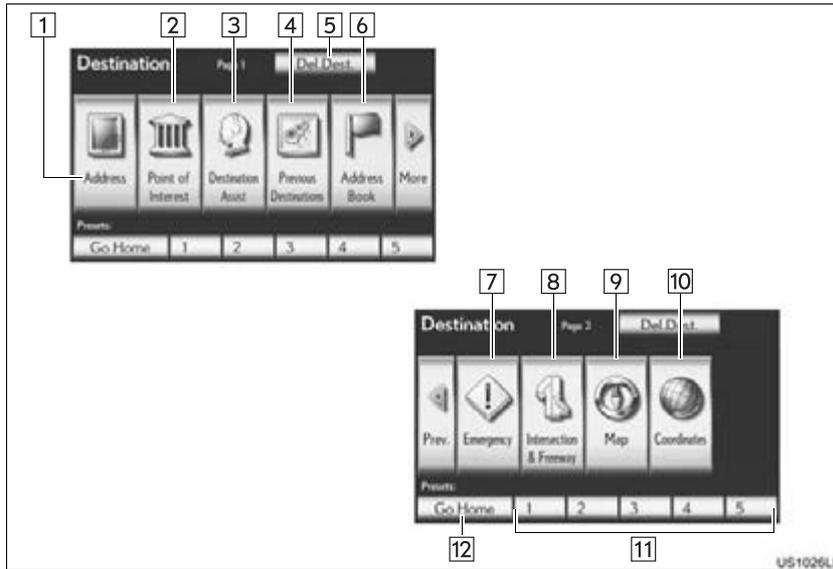
Information	Page
Displaying vehicle maintenance	124

Voice command system	Page
Operating the system with your voice	134

3. QUICK REFERENCE

1. "Destination" SCREEN

The "Destination" screen enables a destination search. Press the "DEST" button to display the "Destination" screen.



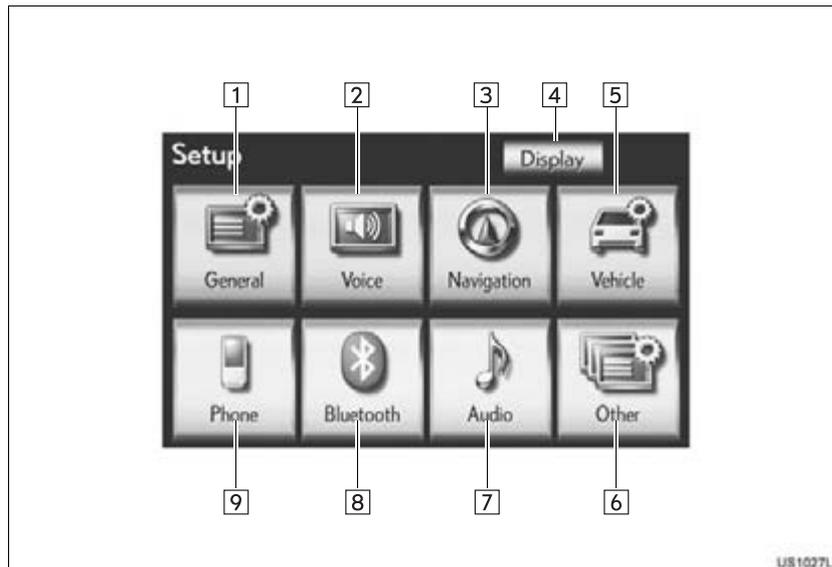
No.	Name	Function	Page
1	"Address"	Touch to input a house number and the street address using the input keys.	62
2	"Point of Interest"	Touch to select one of the POIs that have already been stored in the system's database.	65, 189
3	"Destination Assist"	Touch to provide you with live assistance finding destinations via the Lexus Enform with Safety Connect response center.	71, 187
4	"Previous Destinations"	Touch to select a destination from any of the last 100 previously set destinations and from the previous starting point.	72

No.	Name	Function	Page
5	"Del.Dest."	Touch to delete set destinations.	77
6	"Address Book"	Touch to select the desired location from a registered entry in "Address book". (To register address book entries, see "REGISTERING ADDRESS BOOK ENTRIES" on page 106.)	72
7	"Emergency"	Touch to select one of the 4 categories of emergency service points that have already been stored in the system's database.	73
8	"Intersection & Freeway"	Touch to enter the names of 2 intersecting streets or a freeway (interstate) entrance or exit. This is helpful if only the general vicinity, not the specific address, is known.	73
9	"Map"	Touch to enable setting a destination by touching a location on the map screen.	76
10	"Coordinates"	Touch to enter latitude and longitude coordinates.	76
11	Preset destination buttons	Touch to select one of the 5 preset destination points as a destination. If a preset destination point has not been registered, a message will be displayed asking if it is desirable to set a destination to the preset screen button. (To register a preset destination, see "REGISTERING PRESET DESTINATIONS" on page 103.)	61
12	"Go Home"	Touch to select your personal home address without having to enter the address each time. If a home address has not been registered, a message will be displayed and the setting screen will automatically appear. (To register home, see "REGISTERING HOME" on page 101.)	61

3. QUICK REFERENCE

2. "Setup" SCREEN

The items shown on the "Setup" screen can be set. Press the "SETUP" button to display the "Setup" screen.



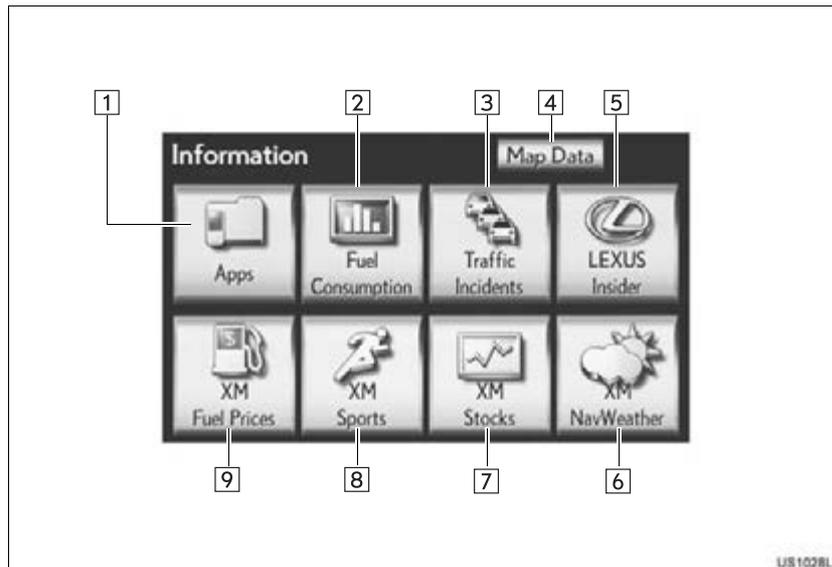
No.	Name	Function	Page
1	"General"	Touch to change the selected language, operation sound settings, automatic screen change, etc.	46
2	"Voice"	Touch to set the voice guidance settings.	56
3	"Navigation"	Touch to access the page which enables the setting of the average cruising speed, displayed screen contents, POI categories, etc.	100
4	"Display"	Touch to adjust the contrast and brightness of the screens, turn the display off, etc.	33
5	"Vehicle"	Touch to set vehicle information such as maintenance information.	124
6	"Other"	Touch to set Lexus Insider, XM Sports, XM Stocks and XM Fuel Prices.	168, 196
7	"Audio"	Touch to set iPod and HD Radio™ channel settings.	Owner's Manual
8	"Bluetooth**"	Touch to set Bluetooth® phones and Bluetooth® audio devices.	Owner's Manual
9	"Phone"	Touch to set the phone sound, phonebook and message settings.	Owner's Manual

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

3. QUICK REFERENCE

3. "Information" SCREEN

This screen can be used to display the XM satellite system, fuel consumption, etc. Press the "INFO" button to display the "Information" screen.



No.	Name	Function	Page
1	"Apps"	Touch to display the "Apps" screen.	180,183
2	"Fuel Consumption"	Touch to display the fuel consumption screen.	Owner's Manual
3	"Traffic Incidents"	Touch to display traffic incidents.	165
4	"Map Data"	Touch to display mapdata information.	148
5	"LEXUS Insider"	Touch to display the "LEXUS Insider" screen.	193
6	"XM NavWeather"	Touch to display weather information.	162
7	"XM Stocks"	Touch to display personally selected stocks information.	156
8	"XM Sports"	Touch to display personally selected sports teams information.	153
9	"XM Fuel Prices"	Touch to display current fuel prices and gas station locations information.	159

2

BASIC FUNCTION

1 BASIC INFORMATION BEFORE OPERATION

- 1. INITIAL SCREEN 28
- 2. TOUCH SCREEN OPERATION 29
- 3. INPUTTING LETTERS AND NUMBERS/LIST SCREEN OPERATION..... 30
- 4. SCREEN ADJUSTMENT 33
 - SCREEN SETTINGS ADJUSTMENT 33
- 5. MAP SCREEN OPERATION 35
 - CURRENT POSITION DISPLAY 35
 - SCREEN SCROLL OPERATION..... 35
 - SWITCHING THE SCREENS 40
 - MAP SCALE 43
 - FOOT PRINT MAP 43
 - ORIENTATION OF THE MAP 44
 - STANDARD MAP ICONS 45

2 SETUP

- 1. GENERAL SETTINGS..... 46
 - SCREENS FOR GENERAL SETTINGS..... 46
- 2. VOICE SETTINGS..... 56
 - SCREEN FOR VOICE SETTINGS 56

1

2

3

4

5

6

1. BASIC INFORMATION BEFORE OPERATION

1. INITIAL SCREEN

- 1 When the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode, the initial screen will be displayed and the system will begin operating.



- Images shown on the initial screen can be changed to suit individual preferences. (See page 52.)

CAUTION

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

- After a few seconds, the "CAUTION" screen will be displayed.

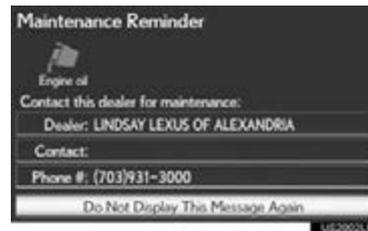


- After about 5 seconds, the "CAUTION" screen automatically switches to the map screen. (If a button other than the "MAP/VOICE" button is pressed, the function's corresponding screen will be displayed.)

MAINTENANCE INFORMATION

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

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



- This screen goes off if the screen is not operated for several seconds.
- To prevent this screen from being displayed again, touch "Do Not Display This Message Again".
- To register maintenance information, see "MAINTENANCE" on page 124.

1. BASIC INFORMATION BEFORE OPERATION

2. 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 beep sounds. (To set the beep sound, see page 46.)



NOTICE

- To prevent damaging the screen, lightly touch the screen buttons with your finger pad.
- Do not operate or rub the screen with a ballpoint pen, a mechanical pencil, finger nail, a pointy and/or hard object because this will damage the screen.
- Do not use objects other than your finger to touch the screen.
- When wiping the touch screen, it is advisable to wipe with a soft and dry cloth wrapped around the finger. Do not use chemical cleaners to clean the touch screen. Also, be careful not to apply excessive force on the screen.

INFORMATION

- 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.
- To operate the touch screen, press touch screen buttons properly with finger pad.
- When dew condensation occurs inside the touch screen, it is sometimes difficult to operate the display properly. In such case, please leave the screen untouched and do not operate the touch screen until dew condensation disappears.
- The displayed image may become darker and moving images may be slightly distorted when the screen is cold.
- In extremely cold conditions, the map may not be displayed and the data input by a user may be deleted. Also, the screen buttons may be harder than usual to depress.
- When the screen is viewed through polarized sunglasses, a rainbow pattern may appear on the screen due to optical characteristics of the screen. If this is disturbing, please operate the screen without polarized sunglasses.

2

BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

3. INPUTTING LETTERS AND NUMBERS/LIST SCREEN OPERATION

When searching for an address or name, or entering data, letters and numbers can be input via the screen.

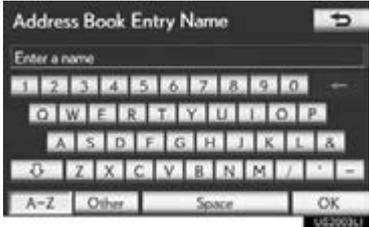
- Keyboard layout can be changed. (See page 51.)

- On certain letter entry screens, letters can be entered in upper or lower case.

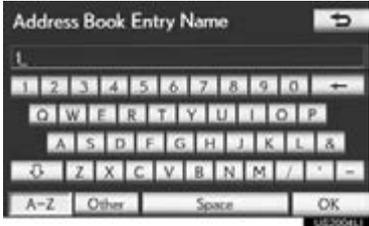
Icon	Function
	Touch to enter in lower case.
	Touch to enter in upper case.

TO INPUT LETTERS AND NUMBERS

- 1 Touch "A-Z" to display the alphabet keys.



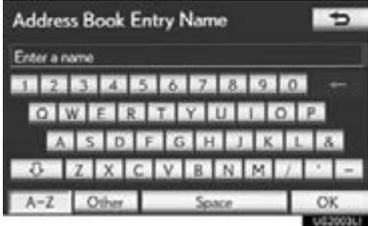
- 2 Touch the keys directly to enter letters or numbers.



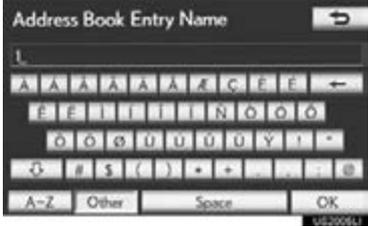
: Touch to erase one character. Touch and hold to continue erasing characters.

TO INPUT SYMBOLS

- 1 Touch "Other" to display symbol keys.



- 2 Touch the symbol keys directly to enter symbols.



: Touch to erase one symbol. Touch and hold to continue erasing symbols.

1. BASIC INFORMATION BEFORE OPERATION

TO DISPLAY THE LIST

- 1 Touch "OK" to search for an address or a name.



- Matching items from the database are listed even if the entered address or name is incomplete.
- The list will be displayed automatically if the maximum number of characters is entered or the number of matching items is 5 or less.

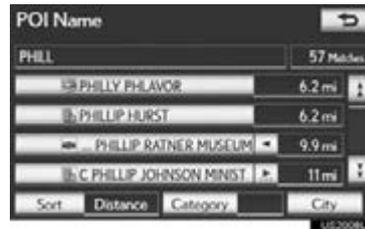


INFORMATION

- The number of matching items is shown on the right side of the screen. If the number of matching items is more than 999, the system displays "***" on the screen.

LIST SCREEN OPERATION

When a list is displayed, use the appropriate screen button to scroll through the list.



2

BASIC FUNCTION

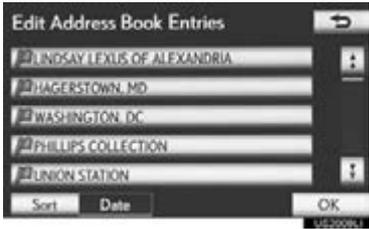
Icon	Function
	Touch to skip to the next or previous page.
	Touch and hold or to scroll through the displayed list.
	This indicates the displayed screen's position.
	If appears to the right of an item name, the complete name is too long to display. Touch to scroll to the end of the name.
	Touch to move to the beginning of the name.

1. BASIC INFORMATION BEFORE OPERATION

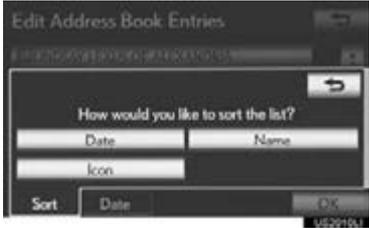
SORTING

The order of a list displayed on the screen can be rearranged.

1 Touch **"Sort"**.



2 Touch the desired sorting criteria.



Screen button	Function
"Distance"	Touch to sort in order of distance from the current position.
"Date"	Touch to sort in order of date.
"Category"	Touch to sort in order of category.
"Icon"	Touch to sort in order of icon.
"Name"	Touch to sort in order of name.
"Brand"	Touch to sort in order of brand name. (XM functions)
"Price"	Touch to sort in order of price. (XM functions)

1. BASIC INFORMATION BEFORE OPERATION

4. SCREEN ADJUSTMENT

The contrast and brightness of the screen display and the image the camera displays can be adjusted. The display can also be turned off, and/or changed to either day or night mode.

SCREEN SETTINGS ADJUSTMENT

ADJUSTING SCREEN DISPLAY AND CAMERA SETTINGS

- 1 Press the "SETUP" button.



- 2 Touch "Display".



- ▶ Adjusting the screen display



"Camera": Touch to adjust the image the camera displays.

- ▶ Adjusting the image the camera displays

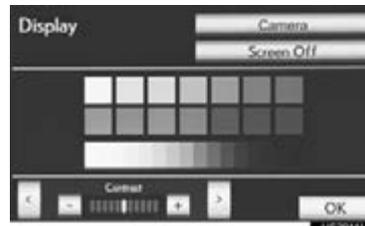


"Map Menu": Touch to return to the screen display settings.

CONTRAST AND BRIGHTNESS ADJUSTMENT

The contrast and brightness of the screen can be adjusted according to the brightness of your surroundings. The display can also be turned off.

- 1 Touch "<" or ">" to select the desired function ("Contrast" or "Brightness").



2

BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

2 Touch the desired screen button to adjust contrast and brightness.

Screen button	Function
"Contrast" "+"	Touch to strengthen the contrast of the screen.
"Contrast" "-"	Touch to weaken the contrast of the screen.
"Brightness" "+"	Touch to brighten the screen.
"Brightness" "-"	Touch to darken the screen.

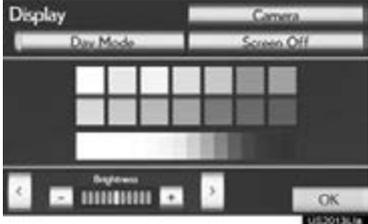
3 After adjusting the screen, touch "OK".

- The screen goes off when "Screen Off" is touched. To turn the "Display" screen back on, press any button. The selected screen appears.

CHANGING BETWEEN DAY AND NIGHT MODE

Depending on the position of the headlight switch, the screen changes to day or night mode.

1 To display the screen in day mode, even with the headlight switch on, touch "Day Mode" for brightness and contrast control.



- In the following conditions, the displays condition is not changed to night mode even if headlight switch is turned on:
 - The instrument panel light control switch is turned fully to the right.
 - The vehicle is in a bright area such as daytime.

INFORMATION

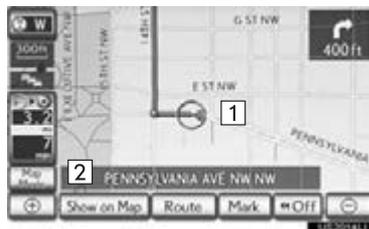
- If the screen is set to day mode with the headlight switch turned on, this condition is memorized even with the engine turned off.

1. BASIC INFORMATION BEFORE OPERATION

5. MAP SCREEN OPERATION

CURRENT POSITION DISPLAY

When starting the navigation system, the current position is displayed first. This screen displays the current position and a map of the surrounding area.



- The current position mark (1) appears in the center or bottom center of the map screen.
- A street name will appear on the bottom of the screen, depending on the scale of the map (2).
- The screen can be returned to this map screen that shows the current position at any time, from any screen by pressing the "MAP/VOICE" button.

- To correct the current position manually, see page 121.

INFORMATION

- While driving, the current position mark is fixed on the screen and the map moves.
- The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.

INFORMATION

- After battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.

SCREEN SCROLL OPERATION

When any point on the map is touched, that point moves to the center of the screen and is shown by the cursor mark (1).



- Use the scroll feature to move the desired point to the center of the screen for looking at a point on the map that is different from the current position.
- If a finger touches and holds the map screen, it will continue scrolling in that direction until the finger is removed.
- A street name, city name, etc. of the touched point will be shown, depending on the scale of the map (2). Distance from the current position to the cursor mark will also be shown (3).

2

BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

- After the screen is scrolled, the map remains centered at the selected location until another function is activated. The current position mark will continue to move along your actual route and may move off the screen. When the “MAP/VOICE” button is pressed, the current position mark returns to the center of the screen and the map moves as the vehicle proceeds along the designated route.
- When the scroll feature is used, the current position mark may disappear from the screen. Press the “MAP/VOICE” button to display the current position on the map screen.

TO SET THE CURSOR POSITION AS A DESTINATION

A specific point on the map can be set as a destination using the scroll function.

- 1 Touch “Enter”.



- The screen changes and displays the map location of the selected destination and the route preference. (See “STARTING ROUTE GUIDANCE” on page 78.)

TO REGISTER THE CURSOR POSITION AS AN ADDRESS BOOK ENTRY

Address book entry registration enables easy access to a specific point.

- 1 Touch “Mark”.



- 2 This screen is displayed.



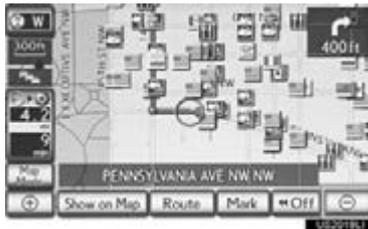
- The registered point is shown by  on the map.

- To change the icon or name, etc., see “EDITING ADDRESS BOOK ENTRIES” on page 106.

INFORMATION

- Up to 100 address book entries can be registered. If there is an attempt to register more than 100 address book entries, an error message will appear.

TO SEE INFORMATION ABOUT THE ICON WHERE THE CURSOR IS SET

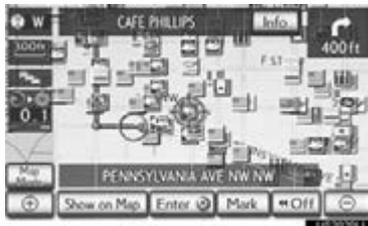


- To display information about an icon, set the cursor on it.

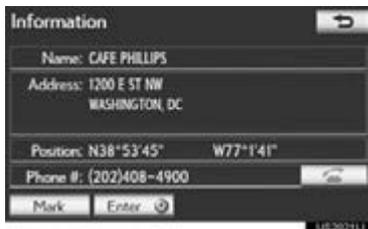
POI INFORMATION

When the cursor is set on a POI icon, the name and **“Info”** are displayed at the top of the screen.

- 1 Touch **“Info”**.



- 2 Information such as the name, address, position and phone number are displayed.



- If **“Enter”** is touched, the cursor position will be set as a destination.
- If a destination has already been set, **“Enter”** and **“Add to Route”** will be displayed.

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

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

- To register this POI as an address book entry, touch **“Mark”**. (See **“REGISTERING ADDRESS BOOK ENTRIES”** on page 106.)

- If  is touched, the registered phone number can be called.

- The desired POI can be displayed on the map screen. (See **“DISPLAY POI ICONS”** on page 96.)

1. BASIC INFORMATION BEFORE OPERATION

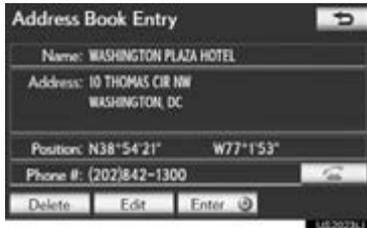
■ ADDRESS BOOK ENTRY INFORMATION

When the cursor is set on an address book entry icon, the name and “Info” are displayed at the top of the screen.

1 Touch “Info”.



2 Information such as the name, address, position and phone number are displayed.



● If “Enter” is touched, the cursor position will be set as a destination.

● If a destination has already been set, “Enter” and “Add to Route” will be displayed.

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

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

● To edit an address book entry, touch “Edit”. (See “EDITING ADDRESS BOOK ENTRIES” on page 106.)

● To delete an address book entry, touch “Delete”.

● If is touched, the registered phone number can be called.

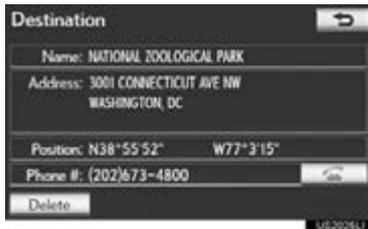
■ DESTINATION INFORMATION

When the cursor is set on a destination icon, the name and “Info” are displayed on the top of the screen.

- 1 Touch “Info”.



- 2 Information such as the name, address, position and phone number are displayed.



- To delete a destination, touch “Delete”.
- If  is touched, the registered phone number can be called.

■ XM NavTraffic® TEXT INFORMATION

When the XM NavTraffic® icon on the map screen is touched, the XM NavTraffic® information bar will appear on the upper part of the screen.

- 1 Touch “Info”.



- 2 Traffic information will be displayed on the screen.



- To display detailed traffic event information, touch “Detail”.



2 BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

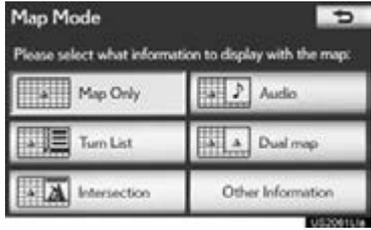
SWITCHING THE SCREENS

Any of the screen configurations can be selected.

1 Touch **"Map Mode"**.



2 Touch the screen buttons to select the desired configuration.



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

Screen button	Function
"Intersection"	Touch to display the intersection guidance screen or the guidance screen on the freeway. (See page 83.)
"Audio"	Touch to display the audio screen. (See page 41.)
"Dual map"	Touch to display the dual map screen. (See page 41.)
"Other Information"	Touch to display the following 3 screen configurations: "Compass", "Turn-by-Turn Arrow" and "Freeway Exit List".
"Compass"	Touch to display the compass mode screen. (See page 42.)
"Turn-by-Turn Arrow"	Touch to display the turn-by-turn arrow screen. (See page 84.)
"Freeway Exit List"	Touch to display the freeway exit list screen. (See page 82.)

Screen button	Function
"Map Only"	Touch to display the single map screen. (See page 41.)
"Turn List"	Touch to display the turn list screen. (See page 84.)

SCREEN CONFIGURATIONS

MAP ONLY

This is a regular map screen.



- The screen shows the single map.
- While on a different screen, touching **“Map Only”** will display the single map screen.

AUDIO

The audio screen and the map screen are displayed.



- Information on the current radio station or track is displayed.
- If a different screen is displayed, touch **“Audio”** on the **“Map Mode”** screen.
- For audio system operation, refer to **“Owner’s Manual”**.

DUAL MAP

The map screen can be split into two.



- This screen shows the dual map. The map on the left is the main map.
- While on a different screen, touching **“Dual map”** will display the dual map screen.

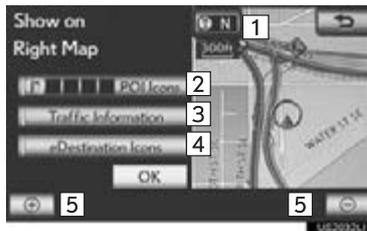
2

BASIC FUNCTION

■ EDITING RIGHT MAP

The right side map can be edited by touching any point on the right side map.

1 Touch the desired screen button.



● The following procedures can be performed on this screen:

No.	Function
1	Changing the orientation of the map
2	Displaying POI icons
3	Showing XM NavTraffic [®] information (See page 166.)
4	Displaying eDestination icons (See page 192.)
5	Changing the map scale

2 Touch "OK" when editing is completed.

● The screen returns to the dual map screen.

■ COMPASS

The current position is indicated with a compass.



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

● While on a different screen, touching "Compass" will display the compass mode screen.

INFORMATION

● The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates, and the compass, to make sure that the vehicle is headed in the direction of the destination.

● When the vehicle travels out of the coverage area, the guidance screen changes to the compass mode screen.

MAP SCALE

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



- The scale bar and indicator at the bottom of the screen indicate the map scale menu. The scale range is from 150 ft. (50 m) to 250 miles (400 km).
- Touch and hold or to continue changing the scale of the map screen.
- The scale of the map screen can be changed by touching the scale bar directly. This function is not available while driving.

INFORMATION

- The map scale is displayed under the north-up or heading-up symbol at the top left of the screen.
- When the map scale is at the maximum range of 250 miles (400 km), is not shown. When the map scale is at the minimum range of 150 ft. (50 m), is not shown. In areas where the foot print map is available the mapscale changes from to when at the minimum range.

FOOT PRINT MAP

For the area which is covered by the foot print map (Some areas in the following cities: Detroit, Chicago, N.Y., L.A), you can switch to the foot print map on a scale of 75 ft. (25 m).

TO SWITCH TO THE FOOT PRINT MAP

changes into when the map is scaled down to 150 ft. (50 m).

- 1 To display the foot print map, touch



- To delete the foot print map display, touch .

INFORMATION

- If the map or the current position is moved to the area which is not covered by the foot print map, the screen scale automatically changes to 150 ft. (50 m).
- On the foot print map, a one way street is displayed by .
- It is not possible to perform scrolling on the foot print map while driving.

Building footprints in the database were created and provided by MAPMASTER.

2

BASIC FUNCTION

1. BASIC INFORMATION BEFORE OPERATION

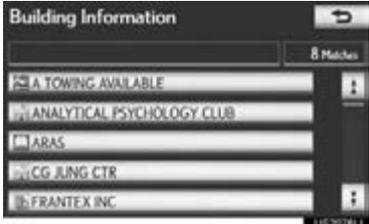
TO DISPLAY BUILDING INFORMATION

Information is available only for buildings for which information is recorded on the map data.

- 1 Touch "Info" while the foot print map is displayed.



- Details of POIs in some buildings may be displayed.
- For detailed POI information, touch the building name. You can see details of the selected POIs.



ORIENTATION OF THE MAP

The orientation of the map can be changed from north-up to heading-up by touching the orientation symbol at the top left of the screen.

- 1 Touch  or .

► North-up screen



► Heading-up screen



 : North-up symbol
Regardless of the direction of vehicle travel, north is always up.

 : Heading-up symbol
The direction of vehicle travel is always up.

- Both the north-up and heading-up symbols display the vehicles direction as a letter (e.g. N for north).

1. BASIC INFORMATION BEFORE OPERATION

STANDARD MAP ICONS

Icon	Name
	Island
	Park
	Industry
	Business facility
	Airport
	Military
	University
	Hospital
	Stadium
	Shopping mall
	Golf

2

BASIC FUNCTION

2. SETUP

1. GENERAL SETTINGS

Used for language selection and the on/off settings of operation sounds and automatic screen change.

SCREENS FOR GENERAL SETTINGS

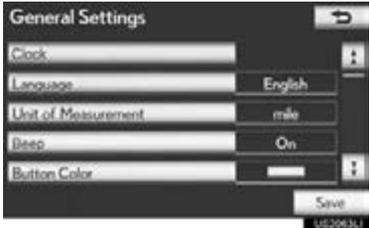
1 Press the "SETUP" button.



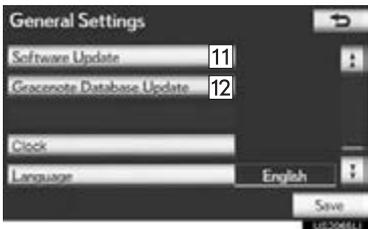
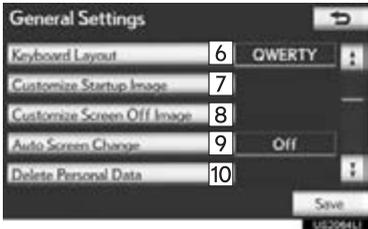
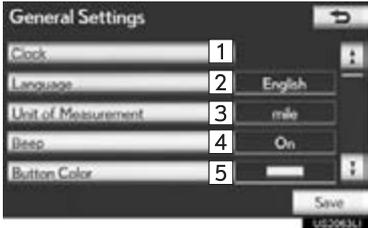
2 Touch "General".



3 Touch the items to be set.



4 Touch "Save".



● On this screen, the following functions can be performed:

No.	Function
1	Touch to change the time zone, select "On" or "Off" for daylight saving time and automatic adjustment of the clock. (See "CLOCK SETTINGS" on page 48.)
2	Touch to change the language. (See "SELECTING A LANGUAGE" on page 50.)
3	Touch to change the distance unit. (See "UNIT OF MEASUREMENT" on page 50.)
4	Touch to turn the sound beeps "On" or "Off" .
5	Touch to change the screen button color. (See "SELECTING A BUTTON COLOR" on page 51.)
6	Touch to change the keyboard layout. (See "SELECTING A KEYBOARD LAYOUT" on page 51.)
7	Touch to customize the opening image. (See "CHANGING THE STARTUP IMAGE" on page 52.)
8	Touch to customize the screen off image. (See "CHANGING THE SCREEN OFF IMAGE" on page 54.)

No.	Function
9	Touch to select "On" or "Off" for automatic screen changes from the audio/air conditioning control screen to the map screen. If "On" is selected, the screen will automatically return to the map screen from the audio/air conditioning control screen after 20 seconds.
10	Touch to delete personal data. (See "DELETING PERSONAL DATA" on page 55.)
11	Touch to update program versions. For details, contact your Lexus dealer.
12	Touch to update gracenote database versions. For details, contact your Lexus dealer.

2

BASIC FUNCTION

2. SETUP

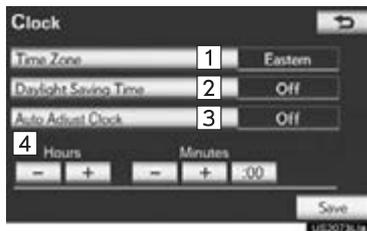
CLOCK SETTINGS

Used for changing time zones, the on/off settings of daylight saving time and automatic adjustment of the clock.

- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Clock".



- 4 Touch the items to be set.



- On this screen, the following functions can be performed:

No.	Function
1	Touch to change the time zone. (See "TIME ZONE" on page 49.)
2	Touch to select "On" or "Off" for daylight saving time.
3	Touch to select "On" or "Off" for automatic adjustment of the clock.
4	When "Auto Adjust Clock" is turned "Off", the clock can be manually adjusted. (See "MANUAL CLOCK SETTING" on page 49.)

- 5 Touch "Save".

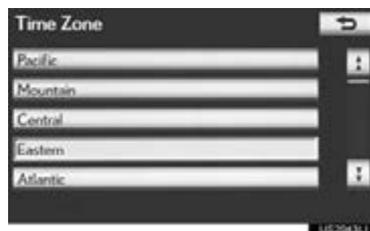
■ TIME ZONE

A time zone can be selected and GMT can be set.

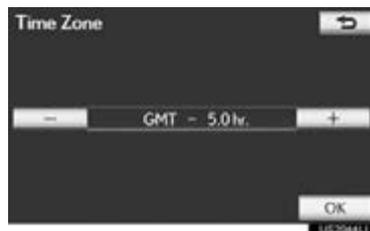
- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Clock" on the "General Settings" screen.
- 4 Touch "Time Zone".



- 5 Touch the desired time zone.



- If "Other" is touched, the zone can be adjusted manually. Touch "+" or "-" to adjust the time zone and then touch "OK".



- 6 Touch "Save".

■ MANUAL CLOCK SETTING

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

- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Clock" on the "General Settings" screen.
- 4 Touch the items to be set.



Screen button	Function
Hours "+", "-"	Touch "+" to set the time forward one hour and "-" to set the time back one hour.
Minutes "+", "-"	Touch "+" to set the time forward one minute and "-" to set the time back one minute.
Minutes ":00"	Rounds to the nearest hour*.

*: e.g. 1:00 to 1:29 → 1:00
1:30 to 1:59 → 2:00

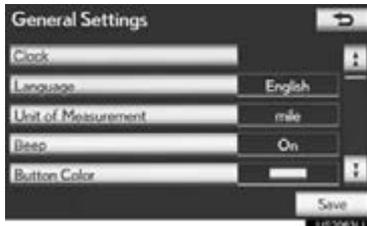
- 5 Touch "Save".

2. SETUP

SELECTING A LANGUAGE

The language can be changed.

- 1 Press the “SETUP” button.
- 2 Touch “General” on the “Setup” screen.
- 3 Touch “Language”.



- 4 Touch the desired screen button.



- 5 Touch “Yes”.
- The previous screen will be displayed.
- 6 Touch “Save”.

UNIT OF MEASUREMENT

Distance unit can be changed.

- 1 Press the “SETUP” button.
- 2 Touch “General” on the “Setup” screen.
- 3 Touch “Unit of Measurement”.



- 4 Touch “km” or “mile”.



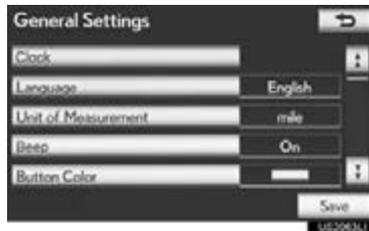
- 5 Touch “Save”.
- The previous screen will be displayed.

- This function is available only in English or Spanish. To change language, see “SELECTING A LANGUAGE” on page 50.

SELECTING A BUTTON COLOR

The color of the screen buttons can be changed.

- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Button Color".



- 4 Touch the desired screen button color.

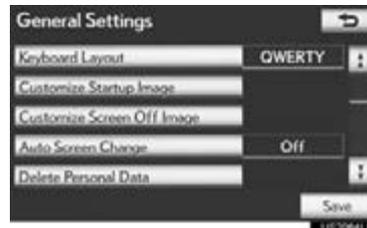


- The previous screen will be displayed.
- 5 Touch "Save".

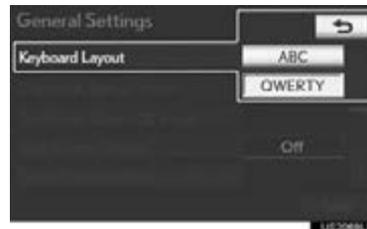
SELECTING A KEYBOARD LAYOUT

Keyboard layout can be changed.

- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Keyboard Layout".



- 4 Touch "ABC" or "QWERTY" of "Keyboard Layout" to select a keyboard layout.



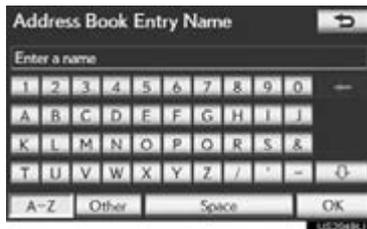
- The previous screen will be displayed.
- 5 Touch "Save".

2

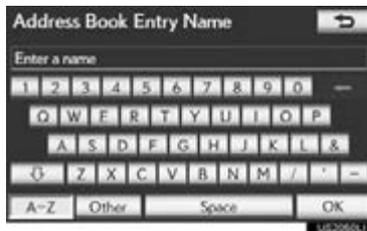
BASIC FUNCTION

■ LAYOUT TYPE

▶ “ABC” type



▶ “QWERTY” type



CHANGING THE STARTUP IMAGE

When the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode, the initial screen will be displayed.

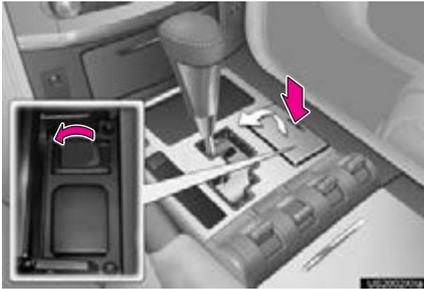
An image can be copied from a USB memory and used as the startup image. (For information regarding the opening image, see “INITIAL SCREEN” on page 28.)

INFORMATION

- When saving the images to a USB, name the folder that the startup image is saved to “StartupImage” and name the folder that the screen off image is saved to “DisplayOffImage”. If these folder names are not used, the navigation system cannot download the images. (The folder names are case sensitive.)
- The images file extension is JPG or JPEG.
- The images file name, including the file extension, can be up to 32 characters.
- Image files of 10 MB or less can be saved.
- Up to 3 images can be downloaded.

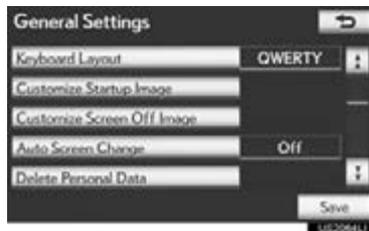
■ TRANSFERRING DATA

- 1 Press the lid, open the cover and connect a USB memory.



- Turn on the power of the USB memory if it is not turned on.

- 2 Press the "SETUP" button.
- 3 Touch "General" on the "Setup" screen.
- 4 Touch "Customize Startup Image".



- 5 Touch "Transfer".



- 6 Touch "Yes".

■ SETTING THE STARTUP IMAGE

- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Customize Startup Image" on the "General Settings" screen.
- 4 Touch the desired image.



- 5 Touch "Save".

■ DELETING TRANSFERRED IMAGES

- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Customize Startup Image" on the "General Settings" screen.
- 4 Touch "Delete All".



- 5 Touch "Yes".

2

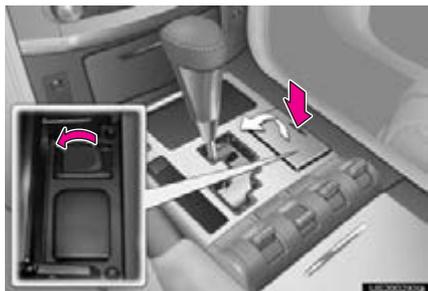
BASIC FUNCTION

CHANGING THE SCREEN OFF IMAGE

Touch **"Screen Off"** to turn off the screen. An image can be copied from a USB memory and can be set to display when **"Screen Off"** is touched. (For more information on **"Screen Off"**, see **"SCREEN ADJUSTMENT"** on page 33.)

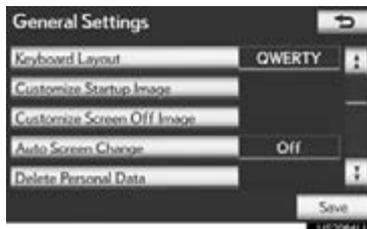
■ TRANSFERRING DATA

- 1 Press the lid, open the cover and connect a USB memory.



- Turn on the power of the USB memory if it is not turned on.

- 2 Press the **"SETUP"** button.
- 3 Touch **"General"** on the **"Setup"** screen.
- 4 Touch **"Customize Screen Off Image"**.



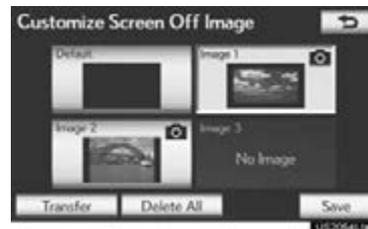
- 5 Touch **"Transfer"**.



- 6 Touch **"Yes"**.

■ SETTING THE SCREEN OFF IMAGE

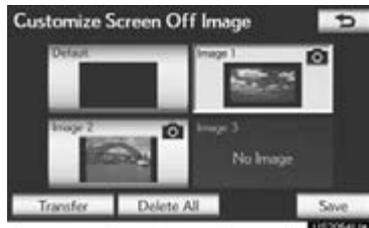
- 1 Press the **"SETUP"** button.
- 2 Touch **"General"** on the **"Setup"** screen.
- 3 Touch **"Customize Screen Off Image"** on the **"General Settings"** screen.
- 4 Touch the desired image.



- 5 Touch **"Save"**.

■ DELETING TRANSFERRED IMAGES

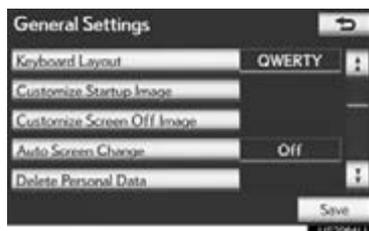
- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Customize Screen Off Image" on the "General Settings" screen.
- 4 Touch "Delete All".



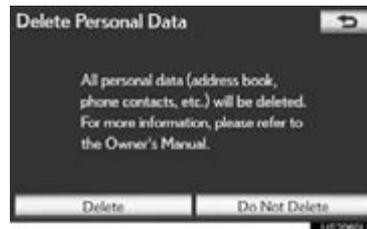
- 5 Touch "Yes".

■ DELETING PERSONAL DATA

- 1 Press the "SETUP" button.
- 2 Touch "General" on the "Setup" screen.
- 3 Touch "Delete Personal Data".



- 4 Touch "Delete".



- 5 Touch "Yes".

- The following personal data can be deleted or returned to their default settings:

- Maintenance conditions
- Maintenance information off setting
- Address book
- Areas to avoid
- Previous points
- Route guidance
- Route trace
- Phonebook data
- Call history data
- Speed dial data
- Bluetooth® phone data
- Phone sound settings
- Phone display settings
- Message settings
- Audio setting
- Bluetooth® audio setting
- Startup image data
- Screen off image data

INFORMATION

- This function is not available while driving.

2

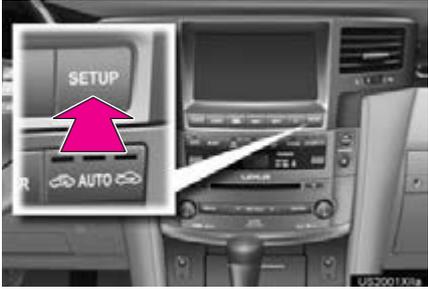
BASIC FUNCTION

2. SETUP

2. VOICE SETTINGS

Voice guidance can be set.

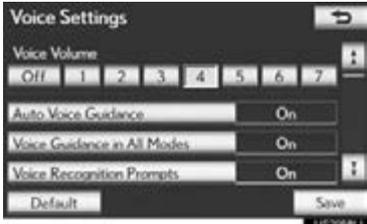
1 Press the "SETUP" button.



2 Touch "Voice".

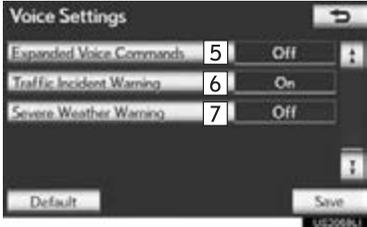
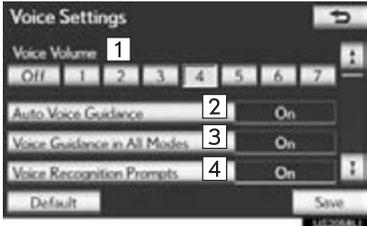


3 Touch the items to be set.



4 Touch "Save".

SCREEN FOR VOICE SETTINGS



● On this screen, the following functions can be performed:

No.	Function
1	The voice guidance volume can be adjusted or switched off. (See "VOICE VOLUME" on page 57.)
2	Voice guidance during route guidance can be set to "On" or "Off".
3	Voice guidance during audio system use can be set to "On" or "Off".
4	Voice recognition prompts can be set to "On" or "Off". This setting can also be changed on the "Shortcut Menu" screen. (See page 134.)
5	When "On" is selected, the audio/video and air conditioning systems can be operated using voice commands.

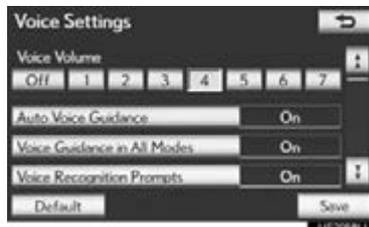
No.	Function
6	When using the traffic information function, voice guidance can be set to "On" or "Off". (See "TRAFFIC INCIDENT WARNING" on page 57.)
7	When using the XM NavWeather™ function, the severe weather warning can be set to "On" or "Off".

- To reset all setup items, touch "Default".

VOICE VOLUME

The voice guidance volume can be adjusted or switched off.

- 1 Press the "SETUP" button.
- 2 Touch "Voice" on the "Setup" screen.
- 3 Select the desired level by touching the appropriate number.

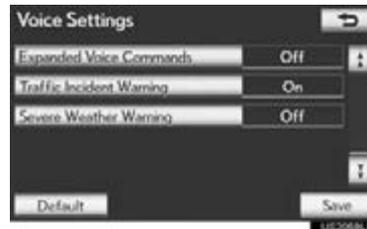


- If voice guidance is not needed, touch "Off" to disable the feature.
- 4 Touch "Save".

TRAFFIC INCIDENT WARNING

Traffic congestion information can be received via voice guidance while being guided to the desired destination.

- 1 Press the "SETUP" button.
- 2 Touch "Voice" on the "Setup" screen.
- 3 Touch "On" of "Traffic Incident Warning".



- 4 Touch "Save".

INFORMATION

- When the "Traffic Information" indicator is dimmed, "Avoid Traffic", "Traffic Incident Warning" and "Show Free Flowing Traffic" will not operate.

3

NAVIGATION SYSTEM

1 DESTINATION SEARCH

1. DESTINATION SEARCH.....	60
SELECTING THE SEARCH AREA	60
DESTINATION SEARCH BY HOME.....	61
DESTINATION SEARCH BY PRESET DESTINATIONS.....	61
DESTINATION SEARCH BY "Address"	62
DESTINATION SEARCH BY "Point of Interest"	65
DESTINATION SEARCH BY "Destination Assist"	71
DESTINATION SEARCH BY "Previous Destinations"	72
DESTINATION SEARCH BY "Address Book"	72
DESTINATION SEARCH BY "Emergency"	73
DESTINATION SEARCH BY "Intersection & Freeway"	73
DESTINATION SEARCH BY "Map"	76
DESTINATION SEARCH BY "Coordinates"	76
DELETING SET DESTINATIONS.....	77
2. STARTING ROUTE GUIDANCE	78

3

NAVIGATION SYSTEM

2 ROUTE GUIDANCE

- 1. ROUTE GUIDANCE SCREEN 82
- 2. TYPICAL VOICE GUIDANCE PROMPTS 85
- 3. DISTANCE AND TIME TO DESTINATION 88
- 4. SETTING AND DELETING DESTINATIONS 89
 - ADDING DESTINATIONS 89
 - REORDERING DESTINATIONS 89
 - DELETING DESTINATIONS 90
- 5. SETTING ROUTE 91
 - DETOUR SETTING 91
 - ROUTE OVERVIEW 92
 - ROUTE PREFERENCE 93
 - PAUSING AND RESUMING GUIDANCE 95
 - SHOW ON MAP 96
 - ROUTE TRACE 99

3 ADDRESS BOOK

- 1. NAVIGATION SETTINGS 100
 - SETTING UP THE "Home" 101
 - SETTING UP THE "Preset Destinations" 103
 - SETTING UP THE "Address Book" 105
 - SETTING UP THE "Areas to Avoid" 110
 - DELETING PREVIOUS DESTINATIONS 114

4 SETUP

- 1. DETAILED NAVIGATION SETTINGS 116
 - SCREENS FOR NAVIGATION SETTINGS 116
- 2. VEHICLE SETTINGS 124
 - MAINTENANCE 124
 - VEHICLE CUSTOMIZATION 129

5 GPS (GLOBAL POSITIONING SYSTEM)

- 1. LIMITATIONS OF THE NAVIGATION SYSTEM 130

1

2

3

4

5

6

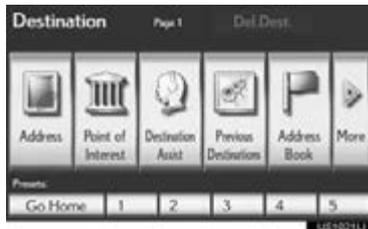
1. DESTINATION SEARCH

1. DESTINATION SEARCH

1 Press the "DEST" button.



2 This screen is displayed.



- One of 11 different methods can be used to search a destination. (See pages 61 through 76.)

INFORMATION

- When searching a destination, the response to the screen button may be slow.

SELECTING THE SEARCH AREA

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

1 Touch "Change State/Province" to display a list of the states/provinces/territories of the United States and Canada.



- For map database information and updates, see "MAP DATABASE VERSION AND COVERAGE AREA" on page 148.
- If a state (province) has not been selected yet, "Select State/Province" is displayed.

2 Touch the desired state (province).



- The previous screen will be displayed.

DESTINATION SEARCH BY HOME

- 1 Press the "DEST" button.
- 2 Touch "Go Home".



- Your home address is set as the destination. The navigation system performs a search for the route.

- 3 Touch "OK".

- To use this function, it is necessary to set a home address. (To register home, see page 101.)

INFORMATION

- If a home address has not been registered, a message confirming if it is desirable to set a home will be displayed, and the setting screen will appear.
- Guidance starts from the current position to the set home address if "OK" is touched even while driving.

DESTINATION SEARCH BY PRESET DESTINATIONS

- 1 Press the "DEST" button.
- 2 Touch any of the preset destination buttons (1-5) on the "Destination" screen.



- The selected preset destination point is set as the destination. The navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)

- 3 Touch "OK".

- To use this function, it is necessary to set preset destinations to the preset screen buttons (1-5). (See "REGISTERING PRESET DESTINATIONS" on page 103.)

INFORMATION

- If a preset destination point has not been registered, a message confirming if it is desirable to set a preset destination will be displayed, and the setting screen will appear.
- Guidance starts from the current position to the preset destination point if "OK" is touched even while driving.

3

NAVIGATION SYSTEM

1. DESTINATION SEARCH

DESTINATION SEARCH BY "Address"

There are 2 methods to search a destination by address:
(a) Search by city
(b) Search by street address

- 1 Press the "DEST" button.
- 2 Touch "Address" on the "Destination" screen.
- 3 Touch a screen button to select the desired search method.



SELECTING A CITY TO SEARCH

- 1 Press the "DEST" button.
- 2 Touch "Address" on the "Destination" screen.
- 3 Touch "City".



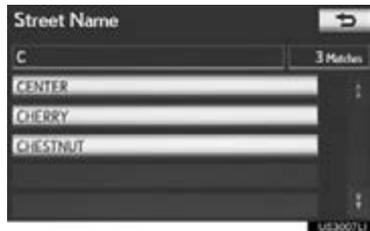
- 4 Input a city name.
- 5 Touch the screen button of the desired city name from the displayed list.



- 6 Input the street name and touch “OK”.



- 7 When the desired street name is found, touch the corresponding screen button.



- When the desired street name is selected, the “Confirm Destination” screen may be displayed. If “Go” is touched on the “Confirm Destination” screen, the navigation system performs a search for the route. (See “STARTING ROUTE GUIDANCE” on page 78.)

- 8 Input a house number.



- If the same address exists in more than one city, the current screen changes to the address list screen.

SEARCHING FROM THE LAST 5 CITIES

- 1 Touch “Last 5 Cities”.



- 2 Touch the screen button of the desired city name from the displayed list.



- The current screen changes to the screen for inputting a street name. (See “SELECTING A CITY TO SEARCH” on page 62.)

INFORMATION

- If the navigation system has never been used, this function will not be available.

3 NAVIGATION SYSTEM

1. DESTINATION SEARCH

SEARCH BY STREET ADDRESS

- 1 Press the "DEST" button.
- 2 Touch "Address" on the "Destination" screen.
- 3 Touch "Street Address".



- 4 Touch numbers directly on the screen to input the house number.

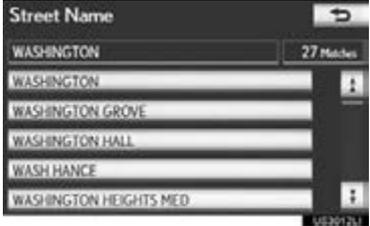


- After inputting the house number, touch "OK" to display the screen for inputting the street name.

- 5 Input the street name and touch "OK".



- 6 When the desired street name is found, touch the corresponding screen button.



- When the desired street name is selected, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)

- If the same address exists in more than 1 city, a screen requesting the city name to be input or selected will be displayed.

- 7 Input a city name.



- 8 Touch the screen button of the desired city name from the displayed list.



INFORMATION

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

DESTINATION SEARCH BY "Point of Interest"

There are 4 methods to search a destination by Points of Interest:

- (a) Search by name
 - (b) Search by category
 - (c) Search by phone #
 - (d) Search by eDestination
- 1 Press the "DEST" button.
 - 2 Touch "Point of Interest" on the "Destination" screen.
 - 3 Touch a screen button to select the desired search method.



SEARCH BY "Name"

- 1 Press the "DEST" button.
- 2 Touch "Point of Interest" on the "Destination" screen.
- 3 Touch "Name" on the "Point of Interest" screen.
- 4 Input the name of the POI.



- 5 Touch the screen button of the desired destination.



- When the desired destination is selected, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)
- When inputting the name of a specific Point of Interest, and there are 2 or more sites with the same name, the list screen is displayed.

3 NAVIGATION SYSTEM

1. DESTINATION SEARCH

- 6 Touch the screen button of the desired destination.



- If the same name exists in more than one city, a search can be performed more easily using “City” or “Category”. (See “SELECTING A CITY TO SEARCH” on page 62 and “SELECTING FROM THE CATEGORIES” on page 67.)

- The desired Point of Interest can be displayed on the map screen. (See “DISPLAY POI ICONS” on page 96.)

INFORMATION

- To search for a facility name using multiple search words, put a space between each word.

■ SELECTING A CITY TO SEARCH

- 1 Touch “City”.

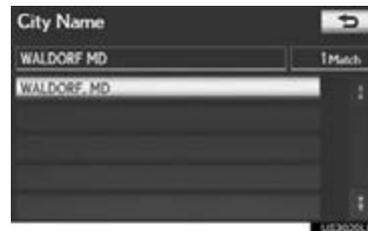


- 2 Input the city name.



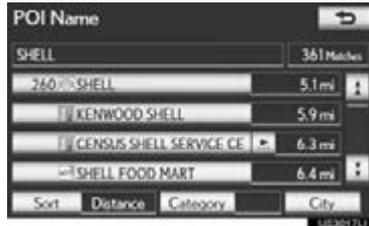
- To cancel the city setting, touch “Any City”.

- 3 Touch the screen button of the desired city name from the displayed list.

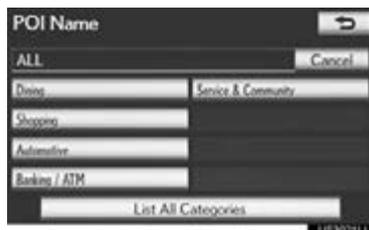


SELECTING FROM THE CATEGORIES

1 Touch “Category”.



2 Touch the screen button of the desired category.



- If the desired POI category is on the screen, touch its screen button to display a detailed list of the POI category.
- If the desired POI category is not on the screen, touch “List All Categories” to list all POI categories.



- When the desired category is touched, the POI name list screen is displayed.

SEARCH BY “Category”

The destination can be set by touching the search point and the POI category.

- 1 Press the “DEST” button.
- 2 Touch “Point of Interest” on the “Destination” screen.
- 3 Touch “Category”.



4 This screen is displayed.



- Set the search point by one of the following methods:
 - Set the search point from near the current position
 - Set the search point from along the selected route
 - Set the search point from near a city center
 - Set the search point from near a destination

INFORMATION

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

3 NAVIGATION SYSTEM

1. DESTINATION SEARCH

■ SETTING THE SEARCH POINT FROM NEAR HERE

- 1 Touch **“Near Here”**.
 - The search point is set at the current position, and the “POI Category” screen will be displayed. (See page 69.)

■ SETTING THE SEARCH POINT FROM ALONG MY ROUTE

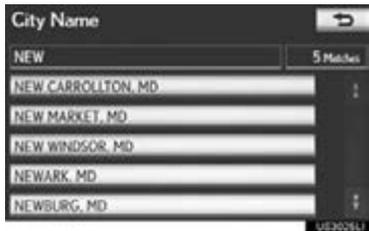
- 1 Touch **“Along My Route”**.
 - The search point is set and the “POI Category” screen will be displayed. (See page 69.)

■ SETTING THE SEARCH POINT FROM NEAR CITY CENTER

- 1 Touch **“Near a City Center in XX*”**.
- 2 Input the city center name.



- 3 Touch the screen button of the desired city center name.



- The search point is set and the “POI Category” screen will be displayed. (See page 69.)

■ SELECTING FROM THE LAST 5 CITIES

- 1 Touch **“Near a City Center in XX*”**.
- 2 Touch **“Last 5 Cities”**.



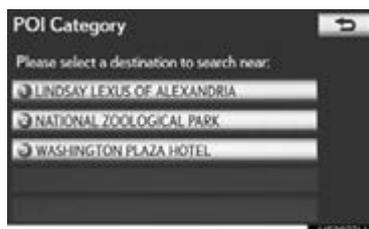
- 3 Touch the screen button of the desired city center name.



- The search point is set and the “POI Category” screen will be displayed. (See page 69.)
- *: XX represents the selected search area name.

■ SETTING THE SEARCH POINT FROM NEAR A DESTINATION

- 1 Touch **"Near a Destination"**.
- 2 Touch the screen button of the desired destination.

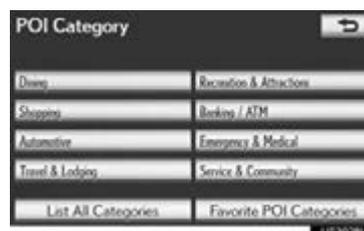


- The search point is set and the "POI Category" screen will be displayed. (See page 69.)

■ TO SEARCH FOR POIs NEAR THE SEARCH POINT

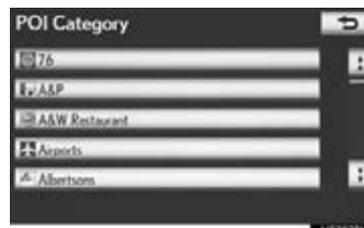
When the search point is set, the "POI Category" screen will be displayed.

- 1 Touch the desired POI category.



- If the desired POI category is not on the screen, touch **"List All Categories"** to list all POI categories.
- If **"Favorite POI Categories"** is touched, a search can be performed using the 6 POIs that have been previously set. For more details, see "POI CATEGORY CHANGE (SELECT POI ICONS)" on page 119.

- 2 Touch the desired POI category from the list.



3

NAVIGATION SYSTEM

1. DESTINATION SEARCH

3 Touch the screen button of the desired item.



- When the desired item is selected, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)

SEARCH BY "Phone #"

- 1 Press the "DEST" button.
- 2 Touch "Point of Interest" on the "Destination" screen.
- 3 Touch "Phone #" on the "Point of Interest" screen.
- 4 Input a phone number.



- 5 After inputting a phone number, touch "OK".
- When a phone number is input, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)
 - If there is more than one site with the same number, the following screen will be displayed.



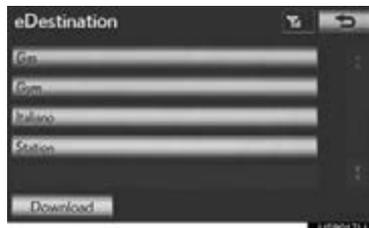
- To set an address book entry as a destination using the phone number, the number must already be registered with the address book entry. (See page 109.)

INFORMATION

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

SEARCH BY "eDestination"

- 1 Press the "DEST" button.
 - 2 Touch "Point of Interest" on the "Destination" screen.
 - 3 Touch "eDestination" on the "Point of Interest" screen.
- With the eDestination feature, you can go online, via the Lexus.com owner's Web site, to select and organize destinations of your choice and then wirelessly send them to your vehicle's navigation system. You can store up to 200 locations online to access and update at any time. Your locations can be organized into up to 20 folders. (See "eDestination" on page 189.)

**DESTINATION SEARCH BY "Destination Assist"**

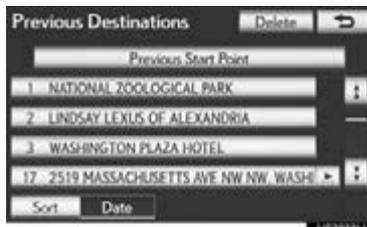
- 1 Press the "DEST" button.
 - 2 Touch "Destination Assist" on the "Destination" screen.
- Destination Assist provides you with live assistance for finding destinations via the Lexus Enform with Safety Connect response center. You can request either a specific business, address, or ask for help locating your desired destination by category, such as restaurants, gas stations, shopping centers or other points of interest (POI). After you tell the agent your choice of destination, its coordinates are sent wirelessly to your vehicle's navigation system. (See "Destination Assist" on page 187.)



1. DESTINATION SEARCH

DESTINATION SEARCH BY “Previous Destinations”

- 1 Press the “DEST” button.
- 2 Touch “**Previous Destinations**” on the “Destination” screen.
- 3 Touch the screen button of the desired destination.



- The previous starting point and up to 100 previously set destinations are displayed on the screen.

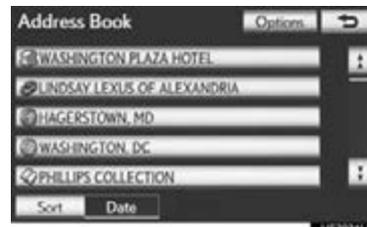
“**Delete**”: Touch to delete the previous destination. (To delete previous destinations, see page 77.)

- When the desired destination is selected, the “Confirm Destination” screen may be displayed. If “**Go**” is touched on the “Confirm Destination” screen, the navigation system performs a search for the route. (See “STARTING ROUTE GUIDANCE” on page 78.)

- The list of previous destinations can also be deleted by touching “**Delete Previous Dest.**” on the “Navigation Settings” screen when the vehicle is stopped. (See “DELETING PREVIOUS DESTINATIONS” on page 114.)

DESTINATION SEARCH BY “Address Book”

- 1 Press the “DEST” button.
- 2 Touch “**Address Book**” on the “Destination” screen.
- 3 Touch the screen button of the desired address book entry.



- A list of registered address book entries is displayed.

“**Options**”: Touch to register or edit address book entries. (See page 106.)

- When the desired address book entry is selected, the “Confirm Destination” screen may be displayed. If “**Go**” is touched on the “Confirm Destination” screen, the navigation system performs a search for the route. (See “STARTING ROUTE GUIDANCE” on page 78.)

DESTINATION SEARCH BY "Emergency"

- 1 Press the "DEST" button.
- 2 Touch "Emergency" on the second page of the "Destination" screen.
- The display changes to a screen to select police stations, dealers, hospitals or fire stations.
- 3 Touch the desired emergency category.



- The selected emergency category is displayed.
- 4 Touch the screen button of the desired destination.



- When the desired destination entry is selected, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)

INFORMATION

- The navigation system does not guide in areas where route guidance is unavailable. (See page 131.)
- The emergency function can be used even while driving.
- While driving, only the currently displayed items and the items on the next page can be viewed.

DESTINATION SEARCH BY "Intersection & Freeway"

There are 2 methods to search a destination by Intersection & Freeway:

- (a) Search by intersection
- (b) Search by freeway

- 1 Press the "DEST" button.
- 2 Touch "Intersection & Freeway" on the second page of the "Destination" screen.
- 3 Touch a screen button to select the desired method.



3

NAVIGATION SYSTEM

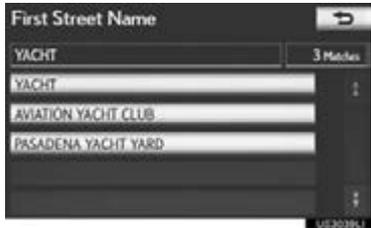
1. DESTINATION SEARCH

SEARCH BY "Intersection"

- 1 Press the "DEST" button.
- 2 Touch "Intersection & Freeway" on the second page of the "Destination" screen.
- 3 Touch "Intersection" on the "Intersection & Freeway" screen.
- 4 Input the name of the first intersecting street which is located near the destination to be set, and touch "OK".



- 5 Touch the screen button of the desired item.



- 6 Input the name of the second intersecting street.

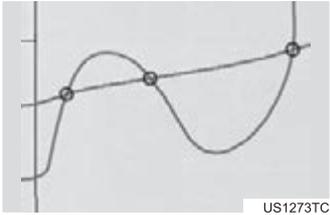


- 7 Touch the screen button of the desired item.



- When the desired item is selected, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)

INFORMATION



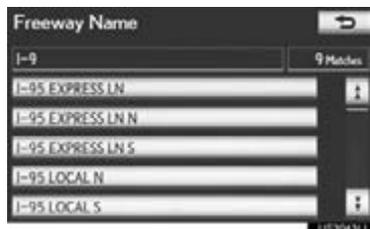
- If the same 2 streets cross at more than 1 intersection, the screen changes and displays the menu to select the city name where the streets intersect. Select the city, and the map location of the selected destination and the route preference. (See "STARTING ROUTE GUIDANCE" on page 78.)

SEARCH BY "Freeway Entrance / Exit"

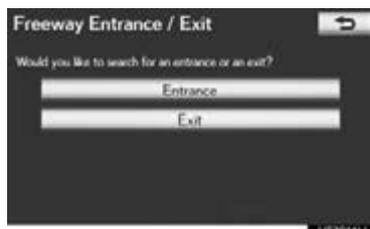
- 1 Press the "DEST" button.
- 2 Touch "Intersection & Freeway" on the second page of the "Destination" screen.
- 3 Touch "Freeway Entrance / Exit" on the "Intersection & Freeway" screen.
- 4 Input a freeway name.



- 5 Touch the screen button of the desired freeway.



- 6 Select a freeway "Entrance" or "Exit".



- 7 Input a freeway entrance or exit name, and touch "OK".



- 8 Touch the screen button of the desired entrance or exit name.



- When the desired entrance or exit is selected, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)

INFORMATION

- Be sure to use the complete name of the freeway or highway, including the hyphen, when entering the destination. Freeways and interstates use an "I" (I-405). US highways use the state designation before the number (CA-118).

3 NAVIGATION SYSTEM

1. DESTINATION SEARCH

DESTINATION SEARCH BY "Map"

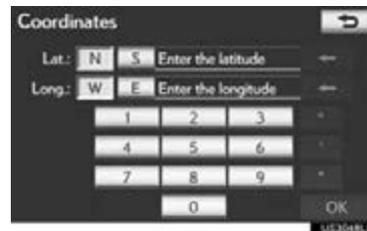
- 1 Press the "DEST" button.
- 2 Touch "Map" on the second page of the "Destination" screen.
- 3 Scroll the map to the desired point.



- 4 Touch "Go to".
 - The navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)
 - Guidance starts if "OK" is touched even while driving. However, the cursor cannot be moved.

DESTINATION SEARCH BY "Coordinates"

- 1 Press the "DEST" button.
- 2 Touch "Coordinates" on the second page of the "Destination" screen.
- 3 Input the latitude and the longitude.



- 4 After inputting the latitude and longitude, touch "OK".
 - When the desired screen button is selected, the "Confirm Destination" screen may be displayed. If "Go" is touched on the "Confirm Destination" screen, the navigation system performs a search for the route. (See "STARTING ROUTE GUIDANCE" on page 78.)

DELETING SET DESTINATIONS

A set destination can be deleted.

- 1 Press the **"DEST"** button.
- 2 Touch **"Del.Dest."** on the **"Destination"** screen.
- When more than 1 destination is set, a list will be displayed on the screen.
- 3 Touch the destination to be deleted.



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

- 4 Touch **"Yes"** to delete the destination(s).



- A message appears to confirm the request to delete.
 - If **"Yes"** is touched, the data cannot be recovered. If more than 1 destination has been set, the system will recalculate the route(s) to the set destination(s) as necessary.
 - If **"No"** is touched, the previous screen will be displayed.
- Set destinations can also be deleted by touching **"Route"**. (See **"DELETING DESTINATIONS"** on page 90.)

1. DESTINATION SEARCH

2. STARTING ROUTE GUIDANCE

When “Map” is touched on the “Confirm Destination” screen, the map screen will be displayed. The map location of the selected destination can be set as a destination.

1 Scroll the map to the desired point.



“Adjust Location”: Touch to adjust the position in smaller increments.



- When an arrow facing the desired point is touched, the map scrolls in that direction.
- When the screen button is released, the scrolling stops.

2 Touch “Go to”.

- The system starts route search and displays recommended routes.

- If a destination has already been set, “Go to” and “Add to Route” will be displayed.

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

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

“Info”: If this screen button is displayed on the top of the screen, touch it to view items such as name, address, position and phone number.

3 To start guidance, touch “OK”.



No.	Function
1	Current position
2	Destination point
3	Type of route and its distance
4	Distance of the entire route

No.	Function
5	Touch to display a list of the turns required to reach the destination.
6	Touch to select the desired route from 3 possible routes. (See page 80.)
7	Touch to change the route. (See page 81.)

- Guidance can be paused or resumed. (See "PAUSING AND RESUMING GUIDANCE" on page 95.)
- If "OK" is touched until a beep sounds, demo mode will start. Press the "MAP/VOICE" button to end demo mode.

**CAUTION**

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

INFORMATION

- The route for returning may not be the same as that for going.
- The route guidance to the destination may not be the shortest route nor a route without traffic congestion.
- Route guidance may not be available if there is no road data for the specified location.
- When setting the destination on a map with a scale larger than 0.5 miles (800 m), the map scale changes to 0.5 miles (800 m) automatically. If this occurs, set the destination again.
- If a destination that is not located on a road is set, the vehicle will be guided to the point on a road nearest to the destination. The road nearest to the point selected is set as the destination.

1. DESTINATION SEARCH

3 ROUTES SELECTION

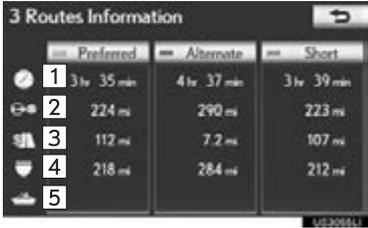
1 Touch **“3 Routes”** to select the desired route from 3 routes.



2 Touch **“Preferred”, “Alternate”** or **“Short”** to select the desired route.



No.	Function
1	Touch to display the recommended route. This route is indicated by an orange line.
2	Touch to display the alternative route. This route is indicated by a purple line.
3	Touch to display the route that is the shortest distance to the set destination. This route is indicated by a green line.
4	Touch to display the information shown below about each of the 3 routes.



No.	Function
1	Time necessary for the entire trip
2	Distance of the entire trip
3	Toll road
4	Freeway
5	Ferry

EDIT ROUTE

Conditions for the route to the destination can be set again.

1 Touch "Edit Route".



2 This screen is displayed.



No.	Function	Page
1	Touch to add destinations.	89
2	Touch to delete destinations.	90
3	Touch to reorder destinations.	89
4	Touch to display the choices available when setting the conditions the system uses to determine the route to the destination.	93

INFORMATION

- Even if the "Freeways" indicator is dimmed, the route cannot avoid including a freeway in some cases.
- If the calculated route includes a trip by ferry, the route guidance shows a sea route. After you travel by ferry, the current position may be incorrect. Upon reception of GPS signals, it is automatically corrected.

2. ROUTE GUIDANCE

1. ROUTE GUIDANCE SCREEN

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

SCREEN LAYOUT



No.	Function
1	Distance to the next turn and an arrow indicating the turning direction
2	Guidance route
3	Current position
4	Distance and travel/arrival time to the destination
5	Current street name

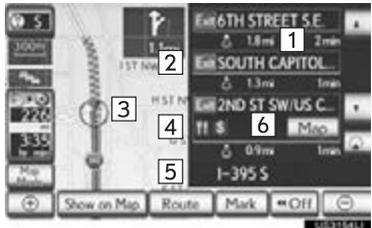
INFORMATION

- If the vehicle goes off the guidance route, the route is searched again.
- For some areas, the roads have not been completely digitized in our database. For this reason, the route guidance may select a road that should not be traveled on.
- When arriving at the set destination the destination name will be displayed on the top of the screen. Touching "Off" clears the display.

DURING FREEWAY DRIVING

During freeway driving, the freeway exit information screen will be displayed.

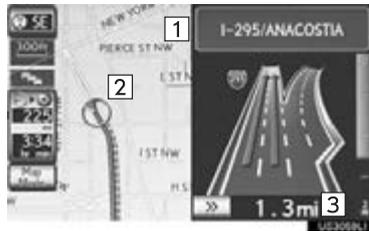
This screen displays the distance to the next junction/exit, or POIs in the vicinity of the freeway exit.



No./Icon	Function
1	Distance from the current position to the exit or junction
2	Exit number and junction name
3	Current position
4	Points of Interest that are close to a freeway exit
5	Current street name
6	Touch to display the selected map of the exit vicinity.
	Touch to scroll to farther junctions or exits.
	Touch to scroll to closer junctions or exits.
	Touch to display the closest 3 junctions or exits.

**WHEN APPROACHING A
FREEWAY EXIT OR
JUNCTION**

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



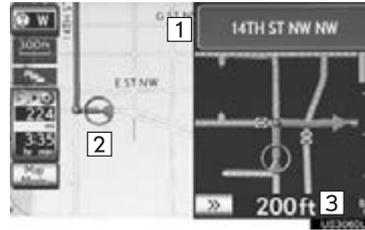
No.	Function
1	Next street name
2	Current position
3	Distance from the current position to the exit or junction

: Touch to hide the freeway guidance screen.

- Touch “Intersection”, or press the “MAP/VOICE” button, to change back to the freeway guidance screen.

**WHEN APPROACHING AN
INTERSECTION**

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



No.	Function
1	Next street name
2	Current position
3	Distance to the intersection

: Touch to hide the intersection guidance screen.

- Touch “Intersection”, or press the “MAP/VOICE” button, to change back to the intersection guidance screen.

3
NAVIGATION SYSTEM

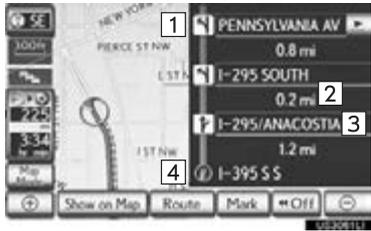
2. ROUTE GUIDANCE

OTHER SCREENS

TURN LIST SCREEN

On this screen, the list of turns on the guidance route can be viewed.

- 1 Touch **“Turn List”** during guidance to display the turn list.



No.	Function
1	Turn direction
2	Distance between turns
3	Next street or destination name
4	Current street name

ARROW SCREEN

On this screen, information about the next turn on the guidance route can be viewed.

- 1 Touch **“Turn-by-Turn Arrow”** during guidance to display the arrow screen.

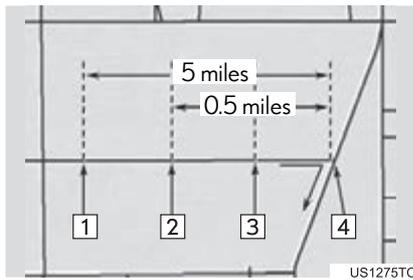


No.	Function
1	Exit number or street name
2	Turn direction
3	Distance to the next turn
4	Current street name

2. ROUTE GUIDANCE

2. TYPICAL VOICE GUIDANCE PROMPTS

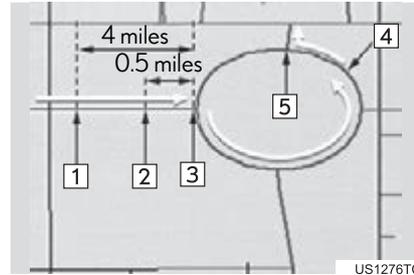
As the vehicle approaches an intersection, or point, where maneuvering the vehicle is necessary, the system's voice guidance will provide various messages.



No.	Voice guidance
1	"Proceed about 5 miles to Main street."
2	"In half of a mile, right turn onto Main street."
3	"Next right."/ "Right turn ahead."
4	(Beep sound only)

INFORMATION

- The street names may not be pronounced correctly or clearly due to the text-to-speech function.
- On freeways, interstates or other highways with higher speed limits, the voice guidance will be made at earlier points than on city streets in order to allow time to maneuver the vehicle.

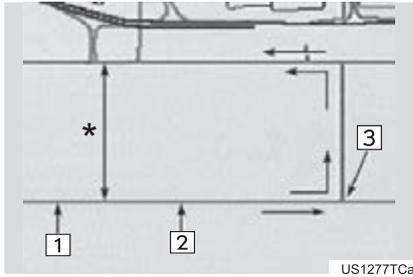


No.	Voice guidance
1	"Proceed about 4 miles to the traffic circle."
2	"In half of a mile, traffic circle ahead and then the 3rd exit onto Main street."
3	"The 3rd exit ahead."
4	"The exit ahead."
5	(Beep sound only)

3

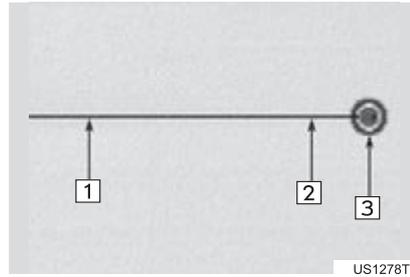
NAVIGATION SYSTEM

2. ROUTE GUIDANCE



*: The system indicates a U-turn if the distance between two one-way roads (of opposite directions) is less than 50 ft. (15 m) in residential areas or 164 ft. (50 m) in non-residential areas.

No.	Voice guidance
1	"In half of a mile, make a legal U-turn."
2	"Make a legal U-turn ahead."
3	(Beep sound only)



● The system announces the approach to the final destination.

No.	Voice guidance
1	"In half of a mile, your destination is ahead."
2	"Your destination is ahead."
3	"You have arrived at your destination. The route guidance is now finished."

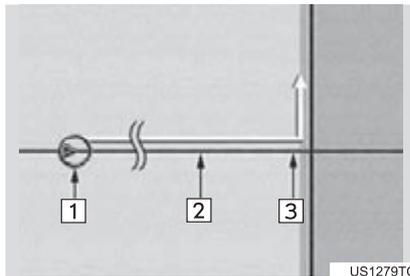
- If a voice guidance command cannot be heard, press the "MAP/VOICE" button to hear it again.
- To adjust the voice guidance volume, see "VOICE VOLUME" on page 57.

INFORMATION

- If the system cannot determine the current position correctly (in cases of poor GPS signal reception), the voice guidance may be early or late.

■ ROUTES INCLUDING IPD ROADS

Even when on IPD roads (roads that are not completely digitized in our database), you will be guided along the searched route via voice guidance.



- After it has made a route calculation, the system will advise the user whether IPD roads are included in the route or not.
- The portion of the route that covers IPD roads is indicated by light blue.

No.	Voice guidance
1	"On the way to your destination, there will be roads with incomplete data."
2	"In half of a mile, left turn."
3	"Next left. Upcoming roads have incomplete data. Please carefully observe the local traffic restrictions, as they may not match the navigation guidance."

- IPD roads are roads that are not yet completely digitized in our database. However, their geometry, name and administrative coding are already known.

⚠ CAUTION

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

2. ROUTE GUIDANCE

3. DISTANCE AND TIME TO DESTINATION

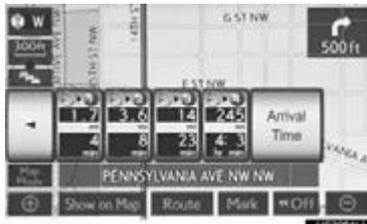
When the vehicle is on the guidance route, the distance and the estimated travel/arrival time to the destination are displayed. When the vehicle is not on the guidance route, the distance and direction of the destination are displayed.

When driving on the guidance route with more than 1 destination set, the distance and estimated travel/arrival time from the current position to each destination are displayed.

- 1 Touch the screen button indicated by the arrow.



- 2 Touch the number screen button to display the desired destination.



- The distance, estimated travel time and estimated arrival time from the current position to the selected destination are displayed.

Icon	Function
	Estimated travel time is displayed.
	Estimated arrival time is displayed.
	Touch to switch to estimated arrival time.
	Touch to switch to estimated travel time.
	Displayed while driving off the guidance route. The destination direction is indicated by an arrow.

INFORMATION

- When the vehicle is on the guidance route, the distance measured along the route is displayed. Travel time and arrival time are calculated based on the set vehicle speed information. (See "DRIVING SPEEDS" on page 117.) However, when the vehicle is not on the guidance route, the distance is the linear distance between the current position and the destination.

2. ROUTE GUIDANCE

4. SETTING AND DELETING DESTINATIONS

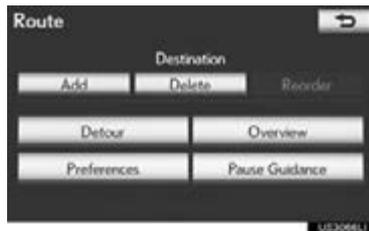
ADDING DESTINATIONS

Destinations can be added and routes can be searched again.

- 1 Touch "Route".



- 2 Touch "Add".



- 3 Input an additional destination in the same way as a destination search. (See "DESTINATION SEARCH" on page 60.)
- 4 Touch the desired "Add Destination Here" to insert the new destination into the route.



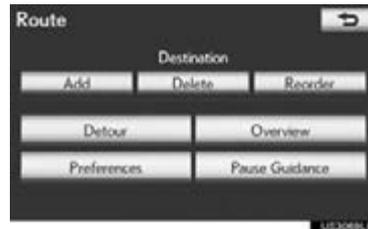
REORDERING DESTINATIONS

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

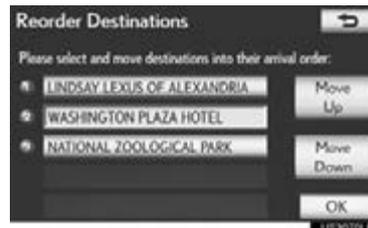
- 1 Touch "Route".



- 2 Touch "Reorder".



- 3 Touch the desired destination and touch "Move Up" or "Move Down" to change the arrival order.



- 4 Touch "OK".
 - 5 After selecting the destinations, touch "OK".
- The system searches for the guidance route again, and displays the entire route.

3

NAVIGATION SYSTEM

2. ROUTE GUIDANCE

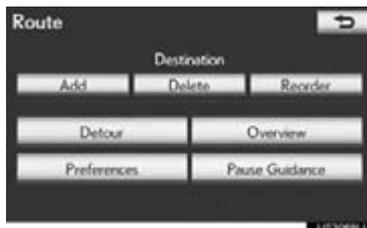
DELETING DESTINATIONS

A set destination can be deleted.

1 Touch **"Route"**.



2 Touch **"Delete"**.



● When more than 1 destination is set, a list will be displayed on the screen.

3 Touch the destination to be deleted.



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

● A message appears to confirm the request to delete.

4 Touch **"Yes"** to delete the destination(s).

● If **"Yes"** is touched, the data cannot be recovered. If more than 1 destination has been set, the system will recalculate the route(s) to the set destination(s) as necessary.

● If **"No"** is touched, the previous screen will be displayed.

2. ROUTE GUIDANCE

5. SETTING ROUTE

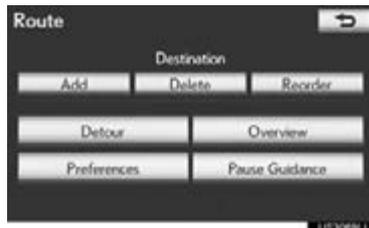
DETOUR SETTING

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

- 1 Touch "Route".



- 2 Touch "Detour".



- 3 Touch a screen button to select the desired detour distance.

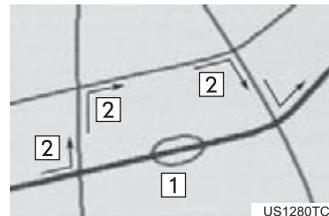


"1 mile (km)", "3 miles (km)" or "5 miles (km)": Touch one of these screen buttons to start the detour process. After detouring, the system returns to the original guidance route.

"Whole Route": Touch to make the system calculate an entire new route to the destination.

"Around Traffic": Touch to make the system search for the route based on the traffic congestion information received from XM NavTraffic®. For details, see "XM NavTraffic®" on page 165.

INFORMATION



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

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

2 This route indicates the detour suggested by the system.

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

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

3

NAVIGATION SYSTEM

2. ROUTE GUIDANCE

ROUTE OVERVIEW

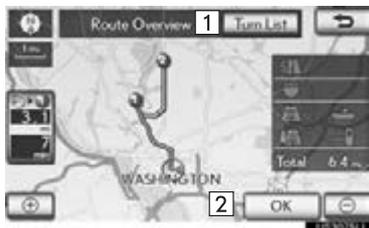
- 1 Touch "Route".



- 2 Touch "Overview".



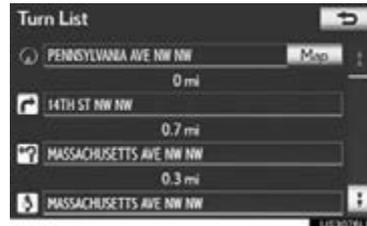
- 3 The entire route from the current position to the destination is displayed.



No.	Function
1	Touch to display a list of the turns required to reach the destination.
2	Touch to start guidance.

TURN LIST

- 1 Touch or to skip to the next page of the list of roads. Touch and hold or to scroll through the list of roads.



: This mark indicates the direction in which you should turn at the intersection.

"Map": The selected point is displayed on the map screen.



INFORMATION

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

ROUTE PREFERENCE

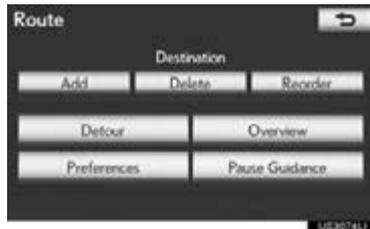
TO SELECT ROUTE TYPE

The Preferred, Short or Alternative route can be selected.

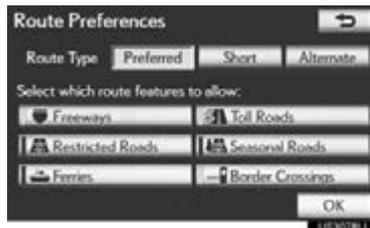
1 Touch "Route".



2 Touch "Preferences".



3 Touch "Preferred", "Short" or "Alternate" and touch "OK".



4 The entire route from the starting point to the destination is displayed.



"OK": Touch to start guidance.

"Edit Route": Touch to change a route. (See page 81.)

3 NAVIGATION SYSTEM

TO SELECT ROUTE FEATURES

A number of choices are available when setting the conditions the system uses to determine the route to the destination.

1 Touch "Route".

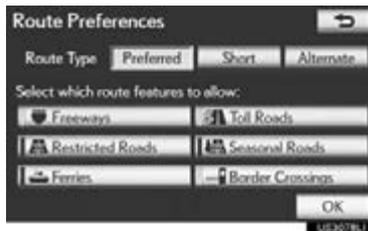


2. ROUTE GUIDANCE

- 2 Touch **“Preferences”** to display conditions that can be selected when the system determines the route to the destination.



- 3 Select the desired route preference by touching the screen button.



- The system will avoid using routes that include items whose indicators are off.
- 4 After selecting the desired route preference, touch **“OK”**.

STARTING ROUTE FROM ADJACENT ROAD

The route guidance can be started from an adjacent road.
(e.g. When route guidance is set on the freeway, but the vehicle is driven parallel along the freeway.)

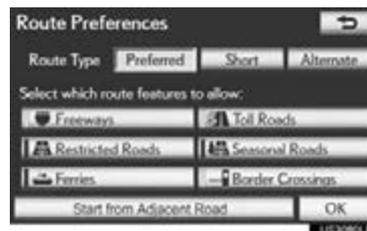
- 1 Touch **“Route”**.



- 2 Touch **“Preferences”**.



- 3 Touch **“Start from Adjacent Road”**.



INFORMATION

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

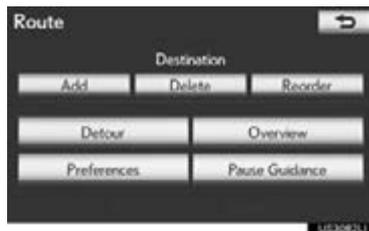
PAUSING AND RESUMING GUIDANCE

TO PAUSE GUIDANCE

1 Touch "Route".



2 Touch "Pause Guidance".



- The screen will return to the current position map without route guidance.

INFORMATION

- Without route guidance, "Pause Guidance" cannot be used.

TO RESUME GUIDANCE

1 Touch "Route".



2 Touch "Resume Guidance".



- The map screen, with the current position displayed, will be returned to.

3 NAVIGATION SYSTEM

SHOW ON MAP

DISPLAY POI ICONS

POI icons such as gas stations and restaurants can be displayed on the map screen. Their location can also be set as a destination and used for route guidance.

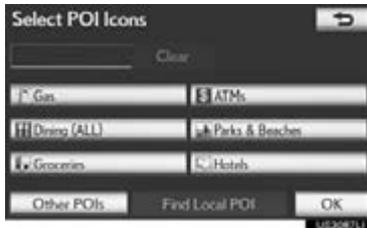
- 1 Touch "Show on Map".



- 2 Touch "Select POI" to display a particular type of POI icon on the screen.



- When the POI icons to be displayed on the map screen have already been set, "Change POI" is displayed.

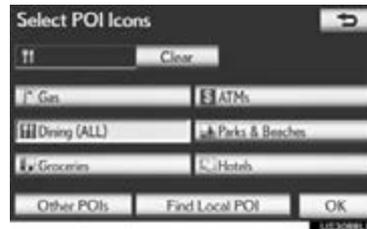


- A screen with a limited choice of Points of Interest will be displayed. (To change the displayed POI list, see page 119.)

SELECTING POI ICONS TO BE DISPLAYED

Up to 5 categories of icons can be displayed on the map screen.

- 1 Touch the desired Point of Interest category to display POI location icons on the map screen.



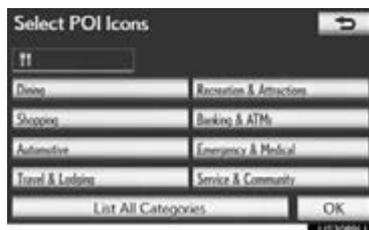
- By touching the desired POI category and then touching "OK", the selected POI icons are displayed on the map screen.

- To turn off the Points of Interest icons on the map screen, touch "Clear".

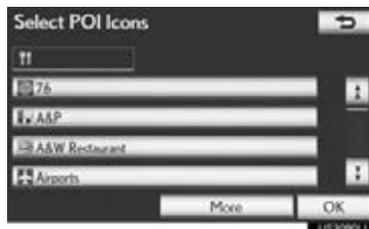
"Other POIs": Touch to display other Points of Interest categories if the desired Points of Interest cannot be found on the limited choice screen.

"Find Local POI": Touch to search for the nearest POIs. Then select one of the categories. The system will list the points within 200 miles (320 km). (See page 97.)

- 2 Touch **“Other POIs”** on the **“Select POI Icons”** screen.
- When a POI category is selected from either the limited list or the complete list, the icons of those locations will be displayed on the map screen.
- 3 Touch the desired POI categories.



- The selected category’s icon will appear on the top left of the screen.
- By touching the desired POI category and then touching **“OK”**, the selected POI icons are displayed on the map screen.
- If the desired POI category is not on the screen, touch **“List All Categories”** to list all POI categories.

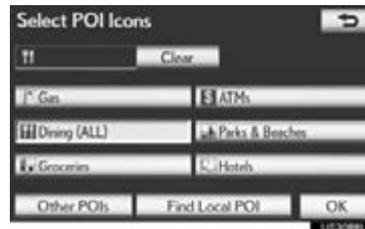


- Touch the desired POI categories from the list.
 - The selected category icon appears on the top left of the screen.
 - By touching the desired POI category and then touching **“OK”**, the selected POI icons are displayed on the map screen.
 - To return to the POI category selection screen, touch **“More”**.

TO DISPLAY THE LOCAL POI LIST

Points of Interest that are within 200 miles (320 km) of the current position will be listed from among the selected categories.

- 1 Touch **“Find Local POI”**.



- 2 Touch the screen button of the desired Point of Interest.



- The selected Points of Interest are displayed on the map screen.
- “Near...”:** Touch to search for Points of Interest near the current position or along the route.

3 NAVIGATION SYSTEM

2. ROUTE GUIDANCE

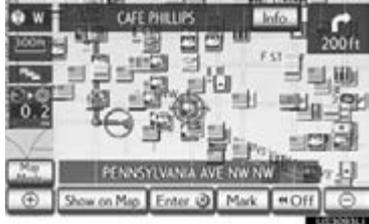


No.	Function
1	Touch to display the list of Points of Interest near the current position.
2	Touch to display the list of Points of Interest along the route.

TO SET A POI AS A DESTINATION

One of the Point of Interest icons can be selected on the map screen as a destination and can be used for route guidance.

- 1 Directly touch the desired Point of Interest icon to set it as a destination.



- The map will shift so that the icon is centered on the screen and overlaps with the cursor. At this time, the distance from the current position is displayed on the screen. The distance shown is measured as a straight line from the current position to the POI.

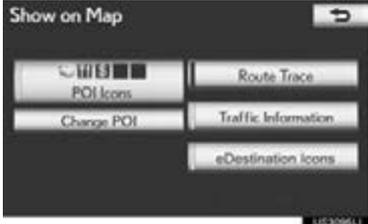
- 2 When the desired Point of Interest overlaps with the cursor, touch **“Enter”**.
- The screen changes and displays the map location of the selected destination and route preference. (See **“STARTING ROUTE GUIDANCE”** on page 78.)

TO HIDE POI ICONS

- 1 Touch **“Show on Map”**.



- 2 Touch **“POI Icons”**.



- The **“POI Icons”** indicator is dimmed.
- The map screen will be displayed with the POI icons hidden.
- To display the POI icons again, touch **“POI Icons”** on the **“Show on Map”** screen.

ROUTE TRACE

Up to 124 miles (200 km) of the traveled route can be stored and retraced on the display.

INFORMATION

- This feature is available when the map scale is more than 30 miles (50 km).

TO START RECORDING THE ROUTE TRACE

- 1 Touch "Show on Map".



- 2 Touch "Route Trace".



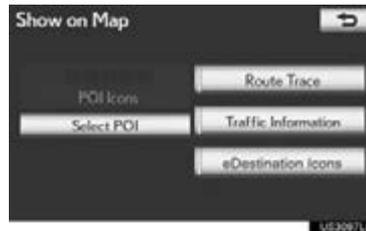
- The "Route Trace" indicator is highlighted.

TO STOP RECORDING THE ROUTE TRACE

- 1 Touch "Show on Map".



- 2 Touch "Route Trace".



- Touching "Yes" stops recording and the route trace remains displayed on the screen.
- Touching "No" stops recording and the route trace is erased.

3

NAVIGATION SYSTEM

3. ADDRESS BOOK

1. NAVIGATION SETTINGS

Points or areas on the map can be registered.

The registered points can be used on the "Destination" screen. (See "DESTINATION SEARCH BY HOME" on page 61, and "DESTINATION SEARCH BY "Address Book"" on page 72.)

Registered areas to avoid, will be avoided when the system searches for a route.

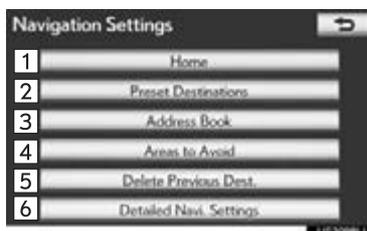
- 1 Press the "SETUP" button.



- 2 Touch "Navigation".



- 3 Touch the desired items to be set.



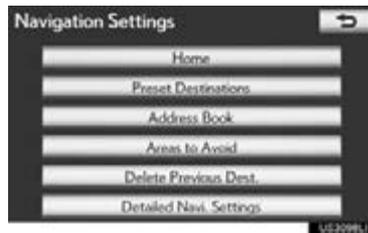
- On this screen, the following operations can be performed:

No.	Function	Page
1	Touch to set home.	101
2	Touch to set preset destinations.	103
3	Touch to set the address book.	105
4	Touch to set areas to avoid.	110
5	Touch to delete previous destinations.	114
6	Touch to set detailed navigation settings.	116

SETTING UP THE "Home"

If home has been registered, that information can be recalled by touching "Go Home" on the "Destination" screen. (See "DESTINATION SEARCH BY HOME" on page 61.)

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Home".



- 4 Touch the desired screen button.



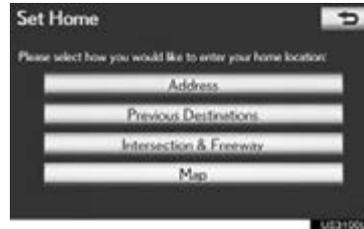
No.	Function	Page
1	Registering home	101
2	Editing home	102
3	Deleting home	102

REGISTERING HOME

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Home" on the "Navigation Settings" screen.
- 4 Touch "Set Home".



- 5 Touch the desired screen button and enter the location in the same way as for a destination search. (See "DESTINATION SEARCH" on page 60.)



- When registration of home is completed, the "Edit Home" screen will be displayed.

- 6 Touch "OK".

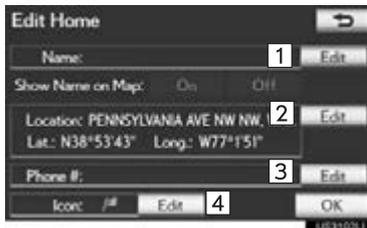
- To edit registered information, see "EDITING HOME" on page 102.

EDITING HOME

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Home" on the "Navigation Settings" screen.
- 4 Touch "Edit".



- 5 Touch "Edit" next to the item to be edited.



No.	Function	Page
1	To edit the home name. The name can be displayed on the map.	108
2	To edit location information.	108
3	To edit the phone number.	109
4	To change the icon to be displayed on the map.	107

"Show Name on Map": The name of a home can be set to be displayed on the map by touching "On" or "Off". (See page 108.)

- 6 Touch "OK".

DELETING HOME

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Home" on the "Navigation Settings" screen.
- 4 Touch "Delete".

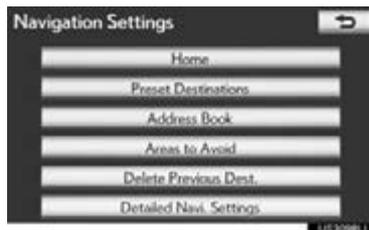


- 5 Touch "Yes" to delete home and touch "No" to cancel the deletion.

SETTING UP THE “Preset Destinations”

If preset destination has been registered, that information can be recalled by using “Preset Destinations” on the “Navigation Settings” screen. (See “DESTINATION SEARCH BY PRESET DESTINATIONS” on page 61.)

- 1 Press the “SETUP” button.
- 2 Touch “Navigation” on the “Setup” screen.
- 3 Touch “Preset Destinations”.



- 4 Touch the desired screen button.



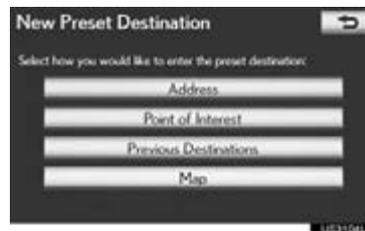
No.	Function	Page
1	Registering a preset destination	103
2	Editing a preset destination	104
3	Deleting a preset destination	105

REGISTERING PRESET DESTINATIONS

- 1 Press the “SETUP” button.
- 2 Touch “Navigation” on the “Setup” screen.
- 3 Touch “Preset Destinations” on the “Navigation Settings” screen.
- 4 Touch “Set”.



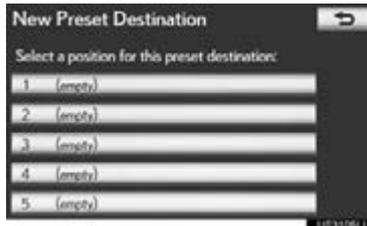
- 5 Touch the desired screen button and enter the location in the same way as for a destination search. (See “DESTINATION SEARCH” on page 60.)



3 NAVIGATION SYSTEM

3. ADDRESS BOOK

- 6 Touch a position for this preset destination.



- When registration of a preset destination is completed, the "Edit Preset Destination" screen will be displayed.

- 7 Touch "OK".

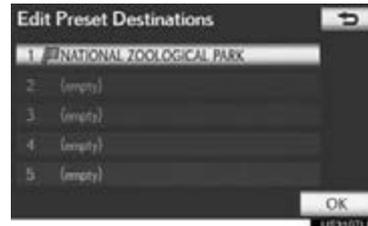
- To edit registered information, see "EDITING PRESET DESTINATIONS" on page 104.

EDITING PRESET DESTINATIONS

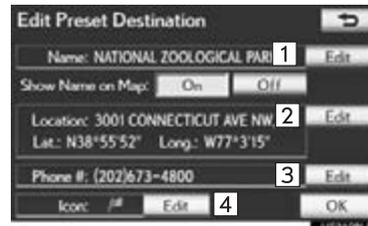
- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Preset Destinations" on the "Navigation Settings" screen.
- 4 Touch "Edit".



- 5 Touch the screen button of the desired preset destination.



- 6 Touch "Edit" next to the item to be edited.



No.	Function	Page
1	To edit the preset destination name. The name can be displayed on the map.	108
2	To edit location information.	108
3	To edit the phone number.	109
4	To change the icon to be displayed on the map.	107

"Show Name on Map": The name of a preset destination can be set to be displayed on the map by touching "On" or "Off". (See page 108.)

- 7 Touch "OK".

DELETING PRESET DESTINATIONS

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Preset Destinations" on the "Navigation Settings" screen.
- 4 Touch "Delete".



- 5 Touch the preset destination to be deleted.



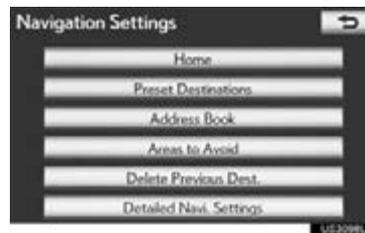
Screen button	Function
"Select All"	Touch to select all preset destinations.
"Unselect All"	Touch to cancel the "Select All" function.

- 6 Touch "Delete".
- 7 Touch "Yes" to delete the preset destination and touch "No" to cancel the deletion.

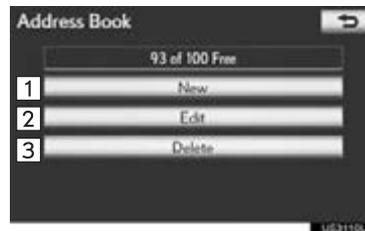
SETTING UP THE "Address Book"

Points or areas on the map can be registered.

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Address Book".



- 4 Touch the desired screen button.

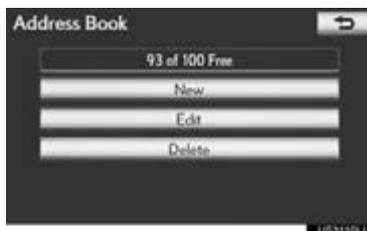


No.	Function	Page
1	Registering address book entries	106
2	Editing address book entries	106
3	Deleting address book entries	109

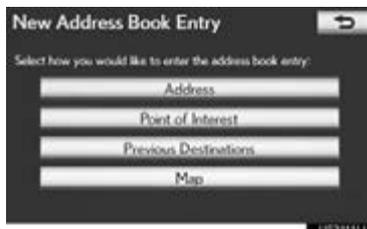
3. ADDRESS BOOK

REGISTERING ADDRESS BOOK ENTRIES

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Address Book" on the "Navigation Settings" screen.
- 4 Touch "New".



- 5 Touch the desired screen button and enter the location in the same way as for a destination search. (See "DESTINATION SEARCH" on page 60.)



- After the address book entry has been registered, the "Edit Address Book Entry" screen will be displayed.

- 6 Touch "OK".

- To edit registered information, see "EDITING ADDRESS BOOK ENTRIES" on page 106.

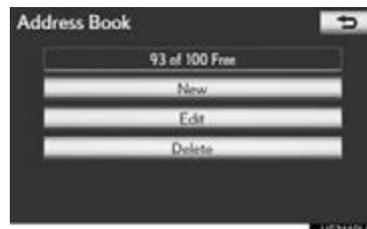
INFORMATION

- Up to 100 address book entries can be registered.

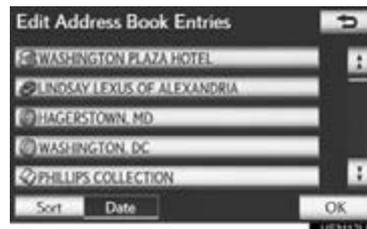
EDITING ADDRESS BOOK ENTRIES

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

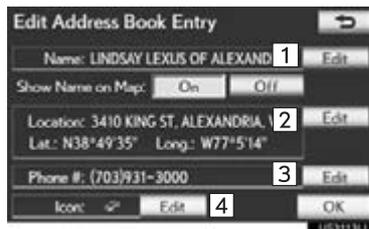
- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Address Book" on the "Navigation Settings" screen.
- 4 Touch "Edit".



- 5 Touch the screen button of the desired address book entry.



- 6 Touch “Edit” next to the item to be edited.



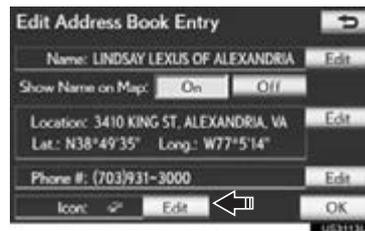
No.	Function	Page
1	To edit the address book entry name. The name can be displayed on the map.	108
2	To edit location information.	108
3	To edit the phone number.	109
4	To change the icon to be displayed on the map.	107

“Show Name on Map”: The name of an address book entry can be set to be displayed on the map by touching “On” or “Off”. (See page 108.)

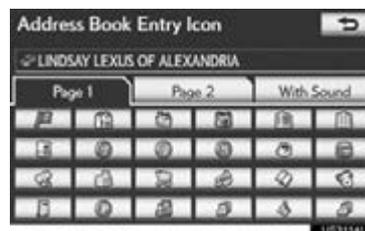
- 7 Touch “OK”.

■ TO CHANGE “Icon”

- 1 Touch “Edit”.



- 2 Touch the desired icon.

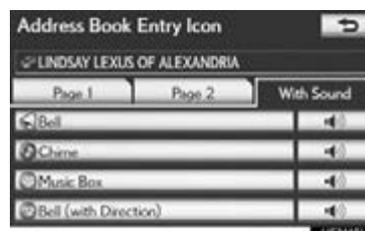


- Change pages by touching the “Page 1”, “Page 2” or “With Sound” tab.

■ SOUND ICONS

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

- 1 Touch the “With Sound” tab on the “Address Book Entry Icon” screen.
- 2 Touch the desired sound icon.



- The next screen appears when “Bell (with Direction)” is touched.

3 NAVIGATION SYSTEM

3. ADDRESS BOOK

- 3 Touch either  or  to adjust the direction. Touch "OK".

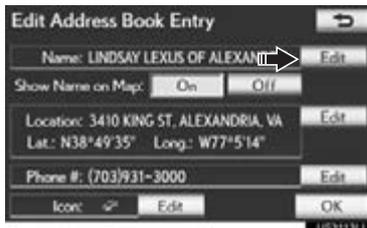


INFORMATION

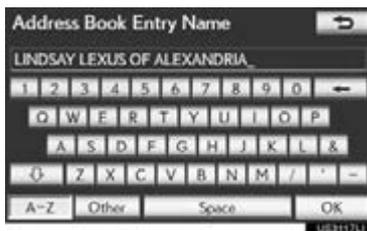
- The bell sounds only when the vehicle approaches this point in the direction that has been set.

■ TO CHANGE "Name"

- 1 Touch "Edit".



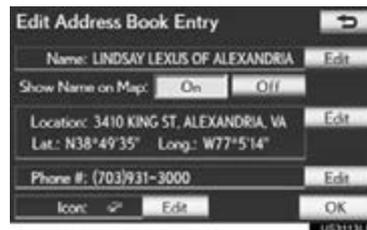
- 2 Enter the name using the alphanumeric keys.



- Up to 32 characters can be entered.
- 3 Touch "OK".
- The previous screen will be displayed.

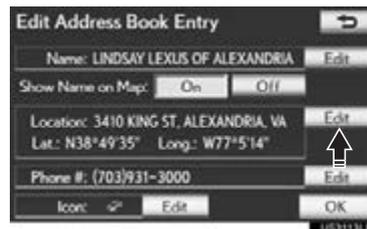
■ DISPLAYING ADDRESS BOOK ENTRY NAMES

- 1 Touch "On" to display the name on the map and touch "Off" to not display it.



■ TO CHANGE "Location"

- 1 Touch "Edit".



- 2 Touch one of the 8 directional screen buttons to move the cursor to the desired point on the map.

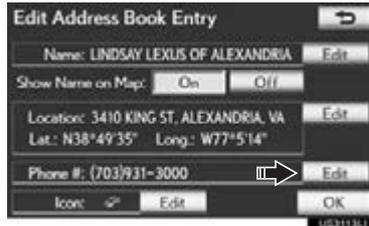


- 3 Touch "OK".

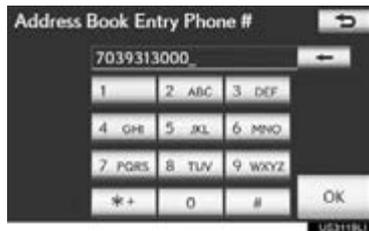
- The previous screen will be displayed.

TO CHANGE “Phone #” (PHONE NUMBER)

1 Touch “Edit”.



2 Enter the number using the number keys.



3 Touch “OK”.

- The previous screen will be displayed.

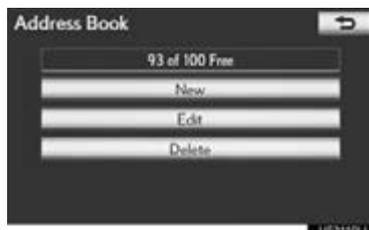
DELETING ADDRESS BOOK ENTRIES

1 Press the “SETUP” button.

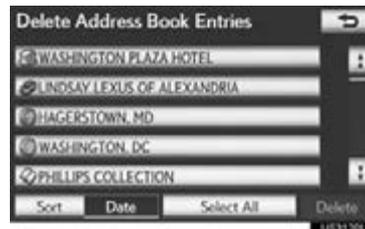
2 Touch “Navigation” on the “Setup” screen.

3 Touch “Address Book” on the “Navigation Settings” screen.

4 Touch “Delete”.



5 Touch the address to be deleted.



Screen button	Function
“Select All”	Touch to select all registered addresses.
“Unselect All”	Touch to cancel the “Select All” function.

6 Touch “Delete”.

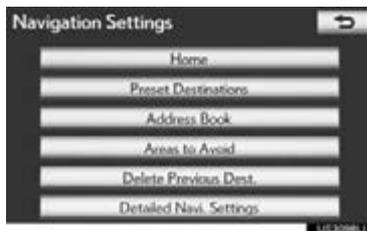
7 Touch “Yes” to delete the address book and touch “No” to cancel the deletion.

3 NAVIGATION SYSTEM

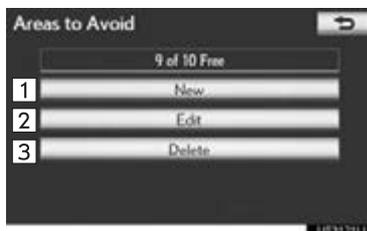
SETTING UP THE “Areas to Avoid”

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

- 1 Press the “SETUP” button.
- 2 Touch “Navigation” on the “Setup” screen.
- 3 Touch “Areas to Avoid”.



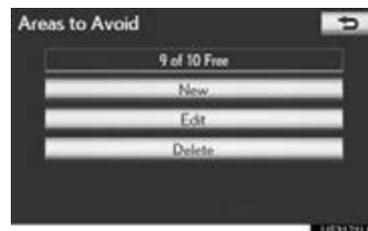
- 4 Touch the desired screen button.



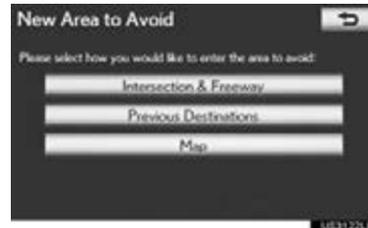
No.	Function	Page
1	Registering areas to avoid	110
2	Editing areas to avoid	111
3	Deleting areas to avoid	114

REGISTERING AREAS TO AVOID

- 1 Press the “SETUP” button.
- 2 Touch “Navigation” on the “Setup” screen.
- 3 Touch “Areas to Avoid” on the “Navigation Settings” screen.
- 4 Touch “New”.



- 5 Touch the desired screen button and enter the location in the same way as for a destination search, or display the map of the area to be avoided. (See “DESTINATION SEARCH” on page 60.)



- 6 Scroll the map to the desired point.



“Adjust Location”: Touch to adjust the position in smaller increments.

- 7 Touch **“Enter”**.

- 8 Touch either  or  to change the size of the area to be avoided.



- 9 Touch **“OK”**.

- When registration of an area to avoid is completed, the “Area to Avoid” screen will be displayed.

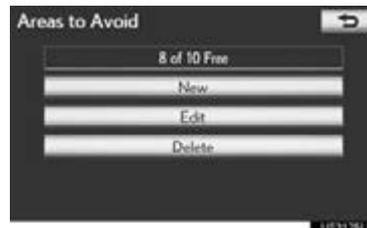
INFORMATION

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

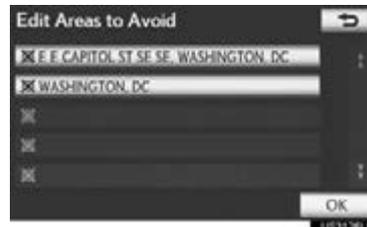
EDITING AREA TO AVOID

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

- 1 Press the **“SETUP”** button.
- 2 Touch **“Navigation”** on the “Setup” screen.
- 3 Touch **“Areas to Avoid”** on the “Navigation Settings” screen.
- 4 Touch **“Edit”**.



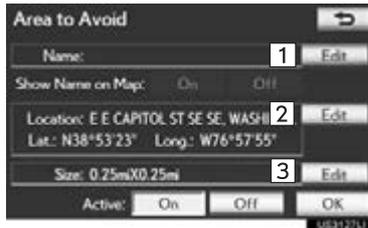
- 5 Touch the area to be avoided.



3

NAVIGATION SYSTEM

- 6 Touch “Edit” next to the item to be edited.



No.	Function	Page
1	To edit the name of the area to avoid. The name can be displayed on the map.	112
2	To edit area location.	113
3	To edit area size.	113

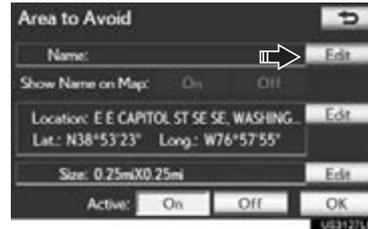
“Show Name on Map”: The name of an area to be avoided that may be displayed on the map by touching “On” or “Off”. (See page 112.)

“Active”: To turn on or off the area to avoid feature. To turn on the feature, touch “On” on the “Area to Avoid” screen. To turn off the feature, touch “Off” on the “Area to Avoid” screen.

- 7 Touch “OK”.

■ TO CHANGE “Name”

- 1 Touch “Edit”.



- 2 Enter the name using the alphanumeric keys.



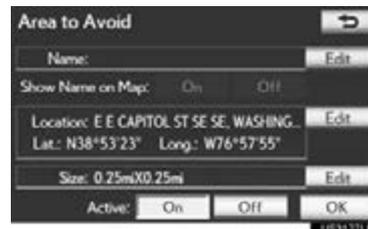
- Up to 32 characters can be entered.

- 3 Touch “OK”.

- The previous screen will be displayed.

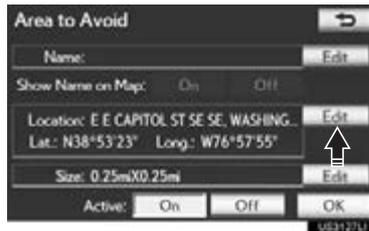
■ DISPLAYING NAMES OF AREAS TO BE AVOIDED

- 1 Touch “On”, next to “Show Name on Map”, to display the area to be avoided name on the map. Touch “Off” to not display it.



■ TO CHANGE “Location”

- 1 Touch “Edit”.



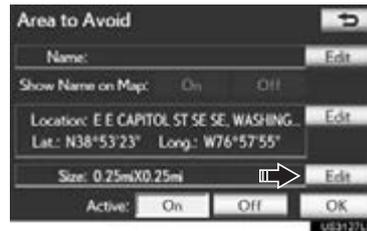
- 2 Touch one of the 8 directional screen buttons to move the cursor  to the desired point on the map.



- 3 Touch “OK”.
 - The previous screen will be displayed.

■ TO CHANGE “Size”

- 1 Touch “Edit”.



- 2 Touch either  or  to change the size of the area to be avoided.



- 3 Touch “OK”.
 - The previous screen will be displayed.

3. ADDRESS BOOK

DELETING AREAS TO AVOID

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Areas to Avoid" on the "Navigation Settings" screen.
- 4 Touch "Delete".



- 5 Touch the area to be deleted.



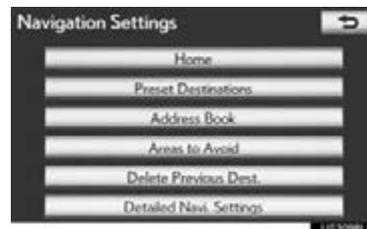
Screen button	Function
"Select All"	Touch to select all registered areas to avoid.
"Unselect All"	Touch to cancel the "Select All" function.

- 6 Touch "Delete".
- 7 Touch "Yes" to delete the area(s) and touch "No" to cancel the deletion.

DELETING PREVIOUS DESTINATIONS

Previous destinations can be deleted.

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Delete Previous Dest."



- 4 Touch the previous destination to be deleted.



Screen button	Function
"Select All"	Touch to select all previous destinations.
"Unselect All"	Touch to cancel the "Select All" function.

- 5 Touch **"Delete"**.
- 6 Touch **"Yes"** to delete the destination(s) and touch **"No"** to cancel the deletion.

4. SETUP

1. DETAILED NAVIGATION SETTINGS

Settings are available for driving speeds, favorite POI categories, automatic screen change, "◀◀ Off" function, etc.

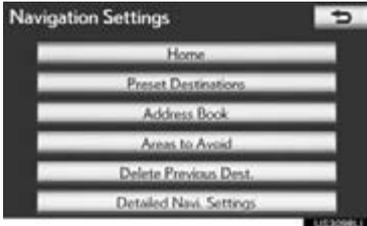
1 Press the "SETUP" button.



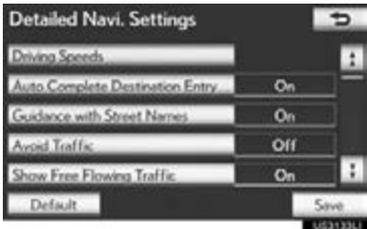
2 Touch "Navigation".



3 Touch "Detailed Navi. Settings".

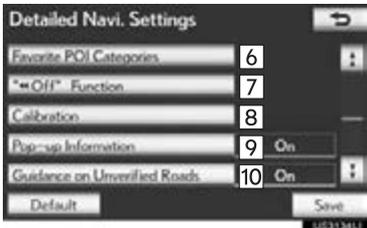
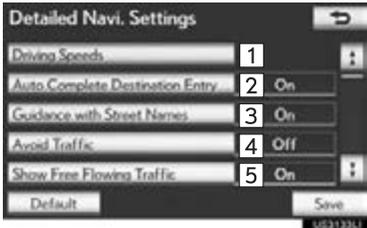


4 Touch the items to be set.



5 Touch "Save".

SCREENS FOR NAVIGATION SETTINGS



- On this screen, the following functions can be performed:

No.	Function
1	Touch to set the average cruising speed. (See "DRIVING SPEEDS" on page 117.)
2	Touch to set the automatic input function to "On" or "Off".
3	Touch to set the voice guidance for the next street name to "On" or "Off" during route guidance.
4	Touch to set the automatic reroute of the guidance route to avoid heavy congestion to "On" or "Off". (See "AUTO AVOID TRAFFIC" on page 118.)
5	Touch to set the indication of freely flowing traffic by the arrow to "On" or "Off". (See "SHOW FREE FLOWING TRAFFIC" on page 119.)
6	Touch to set displayed POI icon categories. (See "POI CATEGORY CHANGE (SELECT POI ICONS)" on page 119.)
7	Touch to set screen buttons to be displayed on the map screen when "◀◀Off" is selected. (See "SCREEN LAYOUT FUNCTION ("◀◀Off" Function)" on page 120.)

No.	Function
8	Touch to adjust the current position mark manually. Miscalculation of the distance caused by tire replacement can also be adjusted. (See "CURRENT POSITION/TIRE CHANGE CALIBRATION" on page 121.)
9	Touch to set the display of pop-up information to "On" or "Off". (See "POP-UP INFORMATION" on page 122.)
10	Touch to set IPD road guidance to "On" or "Off". (For information on IPD roads, see page 87.)

- To reset all setup items, touch "Default".

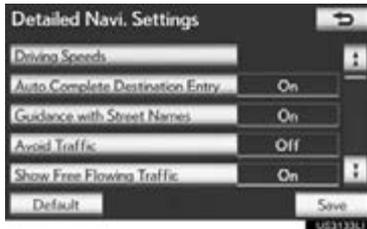
DRIVING SPEEDS

The speed that is used for the calculation of the estimated travel time and estimated arrival time can be set.

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Detailed Navi. Settings" on the "Navigation Settings" screen.

4. SETUP

4 Touch "Driving Speeds".



5 Touch "<" or ">" to set the average vehicle speeds for "Residential", "Main Streets" and "Freeways".



- To set the default speeds, touch "Default".
 - To use settings based on traffic information, touch "Consider Traffic Info."
- 6 After setting of the desired speeds is completed, touch "Save".

INFORMATION

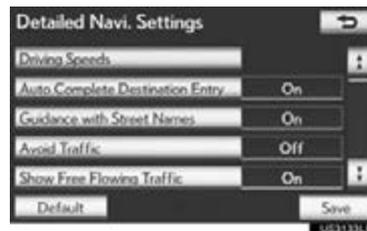
- The displayed time to the destination is the approximate driving time that is calculated based on the selected speeds and the actual position along the guidance route.
- The time shown on the screen may vary greatly depending on progress along the route, which may be affected by conditions such as traffic jams and construction work.
- Up to 99 hours 59 minutes can be displayed.

AUTO AVOID TRAFFIC

The guidance route automatically changes to another route to avoid heavy congestion when "Avoid Traffic" is turned on.

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Detailed Navi. Settings" on the "Navigation Settings" screen.

4 Touch "Avoid Traffic".



5 Touch "On" or "Off".

6 Touch "Save".

- When congestion information about the guidance route has been received, a screen will appear to ask if it is desirable to reroute to avoid the congestion.
- Touch "Yes" to reroute. Another route to avoid the congestion will appear.
- Touch "No" if it is not desirable to reroute.

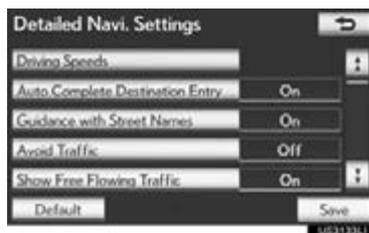
INFORMATION

- When the "Traffic Information" indicator is dimmed, "Avoid Traffic", "Traffic Incident Warning" and "Show Free Flowing Traffic" will not operate.

SHOW FREE FLOWING TRAFFIC

Free flowing traffic can be shown by an arrow when **“Show Free Flowing Traffic”** is turned on.

- 1 Press the **“SETUP”** button.
- 2 Touch **“Navigation”** on the **“Setup”** screen.
- 3 Touch **“Detailed Navi. Settings”** on the **“Navigation Settings”** screen.
- 4 Touch **“Show Free Flowing Traffic”**.



- 5 Touch **“On”** or **“Off”**.
- 6 Touch **“Save”**.

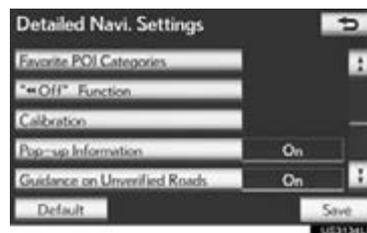
INFORMATION

- When the **“Traffic Information”** indicator is dimmed, **“Avoid Traffic”**, **“Traffic Incident Warning”** and **“Show Free Flowing Traffic”** will not operate.

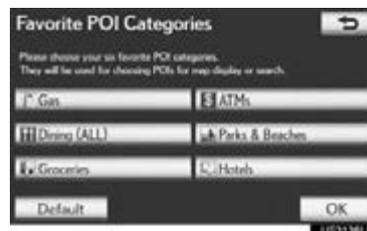
POI CATEGORY CHANGE (SELECT POI ICONS)

Select up to 6 POI icons to be displayed on the map screen.

- 1 Press the **“SETUP”** button.
- 2 Touch **“Navigation”** on the **“Setup”** screen.
- 3 Touch **“Detailed Navi. Settings”** on the **“Navigation Settings”** screen.
- 4 Touch **“Favorite POI Categories”**.

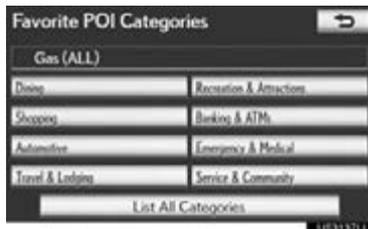


- 5 Touch the category to be changed.



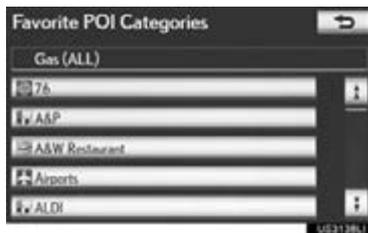
4. SETUP

6 Touch the desired group.



- If the desired POI category is not on the screen, touch **“List All Categories”** to list all POI categories.

7 Touch the desired category.



- The screen returns to the first page of the **“Favorite POI Categories”** screen.

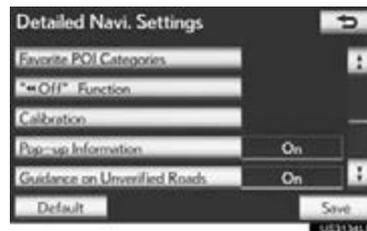
8 Touch **“OK”**.

SCREEN LAYOUT FUNCTION (“◀◀Off” Function)

Each screen button and current street name on the map screen can be displayed or hidden.

- 1 Press the **“SETUP”** button.
- 2 Touch **“Navigation”** on the **“Setup”** screen.
- 3 Touch **“Detailed Navi. Settings”** on the **“Navigation Settings”** screen.

4 Touch **“◀◀Off” Function**.



5 Touch the screen buttons to be turned off. The selected screen buttons will be dimmed.

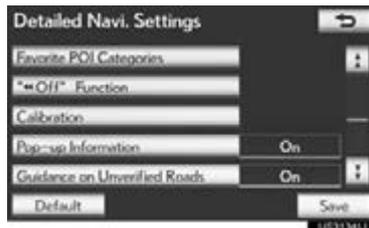


- To set the setting as a default, touch **“Default”**.
- 6 Touch **“OK”**.
 - The previous screen will be displayed.
 - 7 Touch **“Save”**.

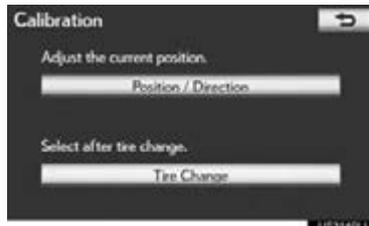
CURRENT POSITION/TIRE CHANGE CALIBRATION

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

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Detailed Navi. Settings" on the "Navigation Settings" screen.
- 4 Touch "Calibration".



- 5 Touch the desired screen button.

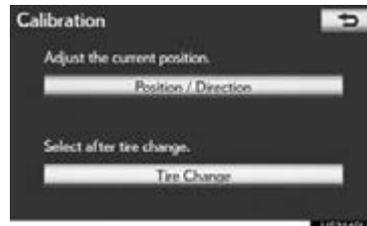


- For additional information on the accuracy of a current position, see "LIMITATIONS OF THE NAVIGATION SYSTEM" on page 130.

POSITION/DIRECTION CALIBRATION

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

- 1 Touch "Position / Direction".



- 2 Touch one of the 8 directional screen buttons to move the cursor to the desired point on the map.



- 3 Touch "OK".

3

NAVIGATION SYSTEM

4. SETUP

- 4 Touch either  or  to adjust the direction of the current position mark.

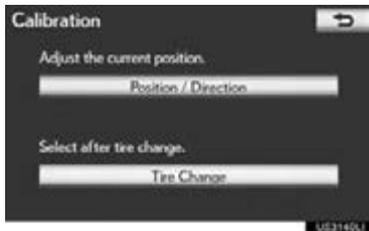


- 5 Touch "OK".
 ● The map will be displayed.

■ TIRE CHANGE CALIBRATION

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

- 1 To perform the distance calibration procedure, touch "Tire Change".



- The message appears and the quick distance calibration is automatically started. A few seconds later, a map will be displayed.

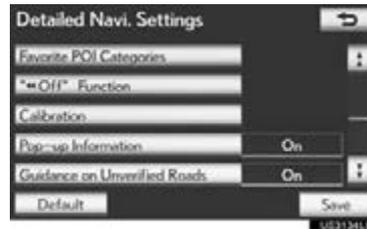
○ INFORMATION

- If this procedure is not performed when the tires are replaced, the current position mark may be incorrectly displayed.

POP-UP INFORMATION

When "Pop-up information" is turned on, pop-up information will be displayed.

- 1 Press the "SETUP" button.
- 2 Touch "Navigation" on the "Setup" screen.
- 3 Touch "Detailed Navi. Settings" on the "Navigation Settings" screen.
- 4 Touch "Pop-up Information".

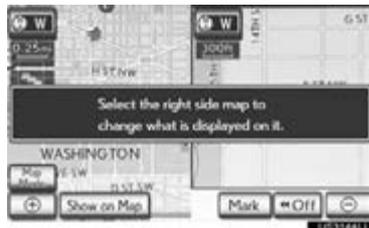


- 5 Touch "On" or "Off".
 - 6 Touch "Save".
- When "Pop-up Information" is turned off, the following messages will not be displayed.

- ▶ This message appears when the map is displayed POI icons and the map scale is over 0.5 miles (800 m).



- ▶ This message appears when the map is switched to dual map screen mode.



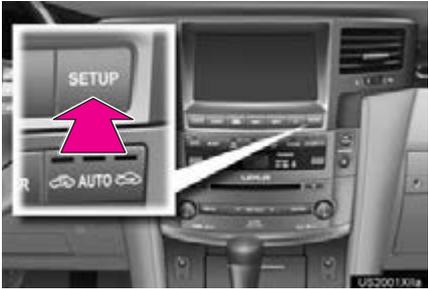
4. SETUP

2. VEHICLE SETTINGS

MAINTENANCE

When the navigation system is turned on, the "Maintenance Reminder" screen displays when it is time to replace a part or certain components. (See page 28.)

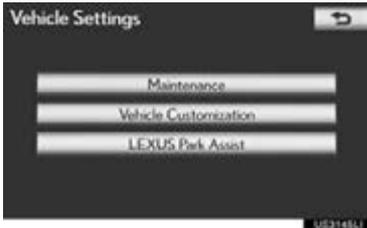
- 1 Press the "SETUP" button.



- 2 Touch "Vehicle".



- 3 Touch "Maintenance".



- 4 Touch the desired screen button.



- Setting maintenance information. (See page 124.)
- Setting dealer. (See page 126.)

MAINTENANCE INFORMATION SETTING

- 1 Press the "SETUP" button.
- 2 Touch "Vehicle" on the "Setup" screen.
- 3 Touch "Maintenance" on the "Vehicle Settings" screen.
- 4 Touch the desired screen button.



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

Screen button	Function
"Engine oil"	Replace engine oil
"Oil filter"	Replace engine oil filter
"Rotation"	Rotate tires
"Tires"	Replace tires
"Battery"	Replace battery
"Brake pad"	Replace brake pads
"Wipers"	Replace wiper blades
"Coolant"	Replace coolant
"Brake oil"	Replace brake fluid
"Trans. fluid"	Replace transmission fluid
"Service"	Scheduled maintenance
"Air filter"	Replace air filter
"Personal"	New information items can be created separately from provided ones.
"Delete All"	Touch to cancel all conditions which have been input.
"Reset All"	Touch to reset the item which has satisfied a condition.

Screen button	Function
"Set Dealer"	Touch to register dealer information. (See "DEALER SETTING" on page 126.)
"Dealer Info."	Touch to edit dealer information. (See "DEALER SETTING" on page 126.)
"Reminder"	When this screen button is touched, the indicator is illuminated. The system is set to give maintenance information with the "Maintenance Reminder" screen. (See page 28.)

3
NAVIGATION SYSTEM

5 Input the conditions.



4. SETUP

No.	Function
1	Touch to input the next maintenance date.
2	Touch to input the driving distance until the next maintenance check.
3	Touch to cancel the date and distance conditions.
4	Touch to reset the date and distance conditions.

- 6 Touch "OK".
- The screen then returns to the "Maintenance" screen.

INFORMATION

- For scheduled maintenance information, refer to "Scheduled Maintenance Guide" or "Owner's Manual Supplement".
- Depending on driving or road conditions, the actual date and distance maintenance should be performed may differ from the stored date and distance in the system.

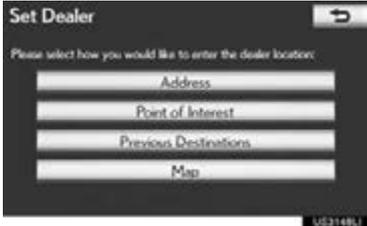
DEALER SETTING

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

- Press the "SETUP" button.
- Touch "Vehicle" on the "Setup" screen.
- Touch "Maintenance" on the "Vehicle Settings" screen.
- Touch "Set Dealer".

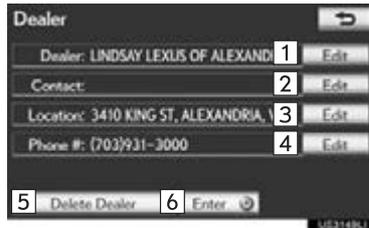


- If a dealer has not been registered, enter the location of a dealer in the same way as for a destination search. (See "DESTINATION SEARCH" on page 60.)



- When "Set Dealer" registration is finished, the "Dealer" screen is displayed.

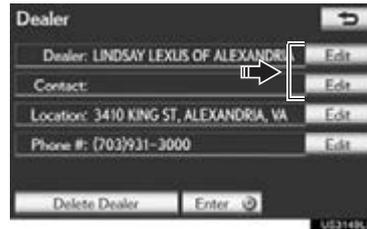
- 6 Touch “Edit” next to the item to be edited.



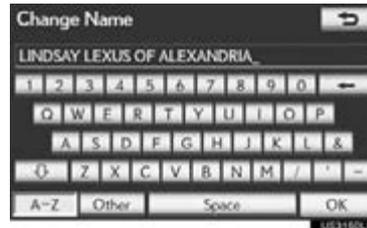
No.	Function
1	Touch to enter the name of a dealer. (See page 127.)
2	Touch to enter the name of a dealer member. (See page 127.)
3	Touch to set the location. (See page 128.)
4	Touch to enter the phone number. (See page 128.)
5	Touch to delete the dealer information displayed on the screen.
6	Touch to set the displayed dealer as a destination. (See “STARTING ROUTE GUIDANCE” on page 78.)

■ TO EDIT “Dealer” OR “Contact”

- 1 Touch “Edit” next to “Dealer” or “Contact”.



- 2 Enter the name using the alphanumeric keys.



- Up to 32 characters can be entered.
- 3 Touch “OK”.
- The previous screen will be displayed.

4. SETUP

■ TO EDIT "Location"

- 1 Touch "Edit" next to "Location".



- 2 Touch one of the 8 directional screen buttons to move the cursor to the desired point on the map screen.



- 3 Touch "OK".
 - The previous screen will be displayed.

■ TO EDIT "Phone #" (PHONE NUMBER)

- 1 Touch "Edit" next to "Phone #".



- 2 Enter the number using number keys.

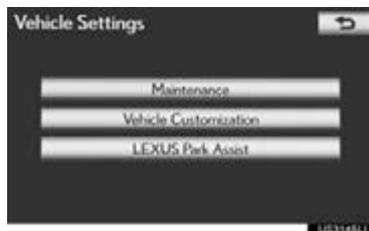


- 3 Touch "OK".
 - The previous screen will be displayed.

VEHICLE CUSTOMIZATION

Vehicle settings can be changed.

- 1 Press the "SETUP" button.
- 2 Touch "Vehicle" on the "Setup" screen.
- 3 Touch "Vehicle Customization".



- 4 Touch the desired items to be set.
 - For a list of the settings that can be changed, refer to "Owner's Manual".
- 5 After changing the settings, touch "Save". A message indicating that the settings are being saved will appear. Do not perform any other operations while this message is displayed.

! CAUTION

- When performing the customization procedure, ensure that there is sufficient ventilation in the vehicle and surrounding area. If there is insufficient ventilation, exhaust gases may collect and enter the vehicle. Exhaust gases include harmful carbon monoxide (CO) and inhaling them may lead to death or a serious health hazard.

I INFORMATION

- To avoid discharging the battery, perform the customization procedure with the engine running.

3

NAVIGATION SYSTEM

5. GPS (GLOBAL POSITIONING SYSTEM)

1. LIMITATIONS OF THE NAVIGATION SYSTEM

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

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



When the vehicle is receiving signals from satellites, the “GPS” mark appears at the top left of the screen.

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

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

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

NOTICE

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

- Accurate current position may not be shown in the following cases:
 - When driving on a small angled Y-shaped road.
 - When driving on a winding road.
 - When driving on a slippery road such as in sand, gravel, snow, etc.
 - When driving on a long straight road.
 - When motorway and surface streets run in parallel.
 - After moving by ferry or vehicle carrier.
 - When a long route is searched during high speed driving.
 - When driving without setting the current position calibration correctly.
 - After repeating a change of direction by going forward and backward, or turning on a turntable in a parking lot.
 - When leaving a covered parking lot or parking garage.
 - When a roof carrier is installed.
 - When driving with tire chains installed.
 - When the tires are worn.
 - After replacing a tire or tires.
 - When using tires that are smaller or larger than the factory specifications.
 - When the tire pressure in any of the 4 tires is not correct.
- If the vehicle cannot receive GPS signals, the current position can be adjusted manually. For information on setting the current position calibration, see page 121.
- Inappropriate route guidance may occur in the following cases:
 - When turning at an intersection off the designated route guidance.
 - If you set more than 1 destination but skip any of them, auto reroute will display a route returning to the destination on the previous route.
 - When turning at an intersection for which there is no route guidance.
 - When passing through an intersection for which there is no route guidance.
 - During auto reroute, the route guidance may not be available for the next turn to the right or left.
 - During high speed driving, it may take a long time for auto reroute to operate. In auto reroute, a detour route may be shown.
 - After auto reroute, the route may not be changed.
 - If an unnecessary U-turn is shown or announced.
 - If a location has multiple names and the system announces 1 or more of them.
 - When a route cannot be searched.
 - If the route to your destination includes gravel, unpaved roads or alleys, the route guidance may not be shown.
 - Your destination point might be shown on the opposite side of the street.
 - When a portion of the route has regulations prohibiting the entry of the vehicle that vary by time or season or other reasons.
 - The road and map data stored in the navigation system may not be complete or may not be the latest version.

5. GPS (GLOBAL POSITIONING SYSTEM)

- After replacing a tire, implement the operation described in "TIRE CHANGE CALIBRATION". (See page 122.)

INFORMATION

- This navigation system uses tire turning data and is designed to work with factory-specified tires for the vehicle. Installing tires that are larger or smaller than the originally equipped diameter may cause inaccurate display of the current position. The tire pressure also affects the diameter of the tires, so make sure that the tire pressure of all 4 tires is correct.

4

VOICE COMMAND SYSTEM

1 VOICE COMMAND SYSTEM OPERATION

- 1. VOICE COMMAND SYSTEM 134
 - STEERING SWITCHES FOR THE VOICE COMMAND SYSTEM 134
 - VOICE COMMAND SYSTEM OPERATION 134
- 2. NATURAL SPEECH INFORMATION (ENGLISH ONLY) 140
- 3. EXPANDED VOICE COMMANDS 142
- 4. COMMAND LIST 143

1

2

3

4

5

6

1. VOICE COMMAND SYSTEM OPERATION

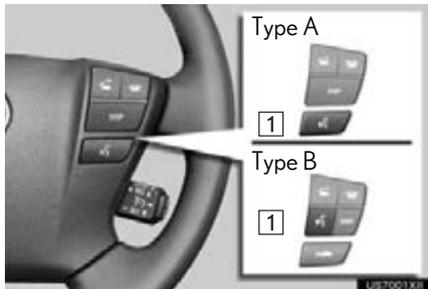
1. VOICE COMMAND SYSTEM

The voice command system enables the navigation, audio/video, hands-free and air conditioning systems to be operated using voice commands. The operating procedures of voice commands from the "Shortcut Menu" screen are explained here.

INFORMATION

- Commands that are not displayed in the "Shortcut Menu" screen can be operated from the "Main Menu" screen.

STEERING SWITCHES FOR THE VOICE COMMAND SYSTEM



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

VOICE COMMAND SYSTEM OPERATION

- 1 Press the talk switch.
 - After the "Shortcut Menu" screen has been displayed, voice guidance will commence.
 - Voice guidance for the voice command system can be skipped by pressing the talk switch.
- 2 After a beep sounds, say the command of your choice.



- Voice commands are marked with . Some commonly used commands are displayed on the screen.
- By saying "Next page" or "Previous page", or by touching "Next Pg. / Prev. Pg.", the screen will display the commands displayed on the page in the background.
- Saying "Main menu" or touching "Main Menu" when the "Shortcut Menu" screen is displayed will display the "Main Menu" screen.
- Registered POIs, registered names in the phonebook etc., can be said in the place of the "<>" next to the commands. (See page 143.)
For example: Say "Find nearby dining", "Call John" etc.

- Saying “**Help**” prompts voice guidance to offer examples of commands and operation methods.

3 Say the command displayed on the screen.



- If a desired outcome is not shown, or if no selections are available, perform one of the following to return to the previous screen:
 - Say “**Go back**”.
 - Touch “**Go Back**”.
- To cancel voice recognition, touch “**Cancel**”, or press and hold the talk switch.

INFORMATION

- If the navigation system does not respond or the confirmation screen does not disappear, press the talk switch and try again.
- If a voice command cannot be recognized within 6 seconds, voice guidance will say “Pardon?” (“Command not recognized.” will be displayed on the screen) and voice command reception will restart.
- If a voice command cannot be recognized 2 consecutive times, the voice command guidance system will say “Paused. To restart voice recognition, push the talk switch. To cancel voice recognition, push and hold the talk switch.” Voice recognition will then be suspended. Touch “**Cancel**” or “**Go Back**”.
- The voice recognition prompt can be set to on or off when “**Voice Prompts**” is touched. This setting can also be changed on the “Voice Settings” screen. (See page 56.)
- When “**Voice Prompts**” is touched, voice recognition will be temporarily suspended. Press the talk switch again.
- Voice guidance can be canceled by setting voice prompts to off. Use this setting when it is desirable to say a command immediately after pressing the talk switch and hearing a beep.

1. VOICE COMMAND SYSTEM OPERATION

MICROPHONE

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



INFORMATION

- 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.
 - The roof or windows are open.
 - Passengers are talking while voice commands are spoken.
 - The air conditioning speed is set high.
 - The air conditioning vents are turned towards the microphone.
- In the following conditions, the system may not recognize the command properly and using voice commands may not be possible:
 - The command is incorrect or unclear. Note that certain words, accents or speech patterns may be difficult for the system to recognize.
 - There is excessive background noise, such as wind noise.

VOICE COMMAND EXAMPLE: SEARCHING FOR A ROUTE TO YOUR HOME

- 1 Press the talk switch.
- 2 Say "Go home".
 - A confirmation screen will be displayed showing the recognition results.
- 3 Say "Yes" or touch "Yes".
 - The system starts searching for a route to your home.



- When the voice command is recognized, the map of the area around the home address will be displayed and route guidance to the home address will begin.
- If a home address is not registered, voice guidance will say "Your home is not set. Please try again after setting a home location." and you will be prompted to enter a home address. (See page 101.)

VOICE COMMAND EXAMPLE: PERFORMING A DESTINATION SEARCH BY ADDRESS

- 1 Press the talk switch.
- 2 Say **"Enter an address"**.
 - If the destination's state/province has not been set or is not contained in the voice command recognition list, the screen to input a state/province will be displayed.



- Some areas cannot be recognized by the voice recognition system.

- For information regarding the state/province setting to perform a destination search by address, see "SELECTING THE SEARCH AREA" on page 60.

- 3 Say **"<city name>"**.
 - Say the desired city name that belongs to the set state in the place of the "<".
 - Say **"Change State"** to change the set voice recognition state.

- 4 Say **"<street name>"**.

- Say the desired full street name, or main body of the street name that belongs to the set state in the place of the "<".
- The voice command recognition is designed to recognize the main body of the official street name.

For example, if the official street name is **"East Main Street"**, the voice command recognition will recognize **"Main"**.

- 5 Say **"<house number>"**.

- Say the desired number, cardinal/intercardinal direction etc. in the place of the "<".

For example: Say **"West 555"**.

- Inputting the house number can be skipped.

- 6 Say **"Start guidance"** or **"Show map"**. Alternatively, touch **"Start Guidance"** or **"Show Map"**.



- After this, follow the voice guidance and search for a destination route by voice command operation.

4

VOICE COMMAND SYSTEM

INFORMATION

- Even if the state set using voice recognition is different from the set state in the “Address” screen (which was set when a destination was set manually), the set state in the “Address” screen will not change. (For more information on the “Address” screen, see “SELECTING THE SEARCH AREA” on page 60.)
- The house number voice recognition conditions are outlined below:
 - Numerals: 10 digits or less
 - Numerals and cardinal/intercardinal direction or a hyphen and numerals: A total of 9 digits or less (Do not say “and”.)
 - Cardinal/Intercardinal direction or a hyphen and numerals: A total of 9 digits or less (Do not say “and”.)
 - Numerals are recognized as single digits only.
 - The cardinal/intercardinal direction and hyphens are only recognized once.
 - The following cardinal/intercardinal directions can be recognized: North, East, West, South, North East, North West, South East and South West.
- When inputting the house number is skipped and the recognized candidate list has multiple entries and so forth, the full street name may need to be recognized. If this occurs, say the full street name. For example, say “*East Main Street*” and “*East Main Street*” will be recognized.

**VOICE COMMAND
EXAMPLE: SEARCH FOR A
TRACK USING ARTIST NAME
OR ALBUM NAME**

- 1 Press the talk switch.
 - “Play Artist <name>” and “Play Album <name>” are displayed in the “Shortcut Menu” screen.
 - 2 Say “*Play artist <name>*” or “*Play album <name>*”.
 - Say the desired artist name or album name in the place of the “<>”.
 - A confirmation screen will be displayed showing the recognition results. If multiple matching items are found, a selection screen will be displayed.
- When “Play Artist <name>” is used to play music, the first track is selected randomly. For operations beyond playing music, refer to “Owner’s Manual”.
- 3 Say “*Yes*” or touch “*Yes*”.
 - The system starts playing music.



- Music recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information visit www.gracenote.com.



INFORMATION

- A USB memory or iPod must be connected to enable track searching and playback. For details, refer to "Owner's Manual".
- When a USB memory or iPod is connected, recognition data is created so tracks can be searched using voice commands.
- Recognition data is updated under the following conditions:
 - When the USB memory or iPod data has changed.
 - When the voice recognition language is changed. (See page 50.)
- While the recognition data is being created or being updated, a track search cannot be performed using a voice command.
- While "Play Music" is displayed in the "Shortcut menu" screen, say "**Play music**" to display the music screen from which searching for a track using a voice command can be performed.
- When "Play Music" is dimmed in the "Shortcut Menu" screen, it is not possible to search for a track using a voice command. In this situation, reduce the amount of music data in the USB memory or iPod and update the recognition data to enable searching by voice command.

1. VOICE COMMAND SYSTEM OPERATION

2. NATURAL SPEECH INFORMATION (ENGLISH ONLY)

Due to natural language speech recognition technology, this system enables recognition of a command when spoken naturally. However, the system cannot recognize every variation of each command. In some situations, it is possible to omit the command for the procedure and directly state the desired operation. Not all voice commands are displayed in the short cut menu.

INFORMATION

- The "Set a Destination", "Use the Phone", "Play Music" and "Get Information" commands displayed on the "Shortcut Menu" screen can be operated using natural language speech recognition technology.
- If the command cannot be recognized completely, the command input screen will be displayed. (Search results will be shown based on the part of the command that was recognized.)

EXPRESSION EXAMPLES FOR EACH FUNCTION

Command	Expression examples
"Go Home"	<i>Let's go home. Take me home.</i>
"Enter an Address"	<i>I wanna enter an address, please. Put in an address.</i>
"Find Nearby <POI category>"	<i>Find nearby <Restaurants> for me. I need to see the nearby <Restaurants>.</i>
"Call Destination Assist"	<i>Call assistance. Assist.</i>
"Call <name> <type>"	<i>Get me <Robert Brown>. I need to call <Robert Brown> at <Work> right away.</i>
"Dial <number>"	<i>Please dial the number <3334445555>. Ring <3334445555>.</i>
"Play Artist <name>"	<i>Play the artist <XXXXX>. I'd like to hear the band <XXXXX>.*</i>
"Play Album <name>"	<i>Play album <XXXXX>. Music from album <XXXXX>.*</i>

*: Say the desired artist name or album name in the place of the "<>".

Command	Expression examples
"Traffic"	<i>How's the traffic? Check the traffic.</i>
"Weather"	<i>What's the weather like? Let's get a forecast.</i>
"Sports Scores"	<i>Team scores. How are my favorite teams doing?</i>
"Stock Quotes"	<i>Stock quotes. How are my stocks doing?</i>
"Fuel Prices"	<i>Let's check fuel prices. Find the cheapest gas prices.</i>
"Lexus Insider"	<i>Show Lexus Insider. Get me Lexus Insider.</i>

INFORMATION

- Commands that are not displayed in the "Shortcut Menu" screen can be accessed from the main menu.
- For example, to make an "International Call", say "**Main menu**" while the "Shortcut Menu" screen is being displayed. Then say "**Use the phone**" followed by saying the desired number, e.g. "**123456789**".

1. VOICE COMMAND SYSTEM OPERATION

3. EXPANDED VOICE COMMANDS

Touching “On” next to “Expanded Voice Commands” on the “Voice Settings” screen enables voice command operation of the audio/video and air conditioning system. (See page 56.) For more information on operations that can be controlled using expanded voice commands, refer to “COMMAND LIST”. (See page 143.)

VOICE COMMAND EXAMPLE: TURN THE AUDIO SYSTEM ON

- 1 Press the talk switch.
- 2 Say “Audio on”.



INFORMATION

- Commands relating to operation of the audio/video and air conditioning systems can only be performed when the audio and air conditioning systems are turned on.
- Expanded voice commands can be recognized when the “Shortcut Menu” screen is displayed.

1. VOICE COMMAND SYSTEM OPERATION

4. COMMAND LIST

Recognizable voice commands and their actions are shown below.

- All commands are listed in the table.
 - For devices that are not installed in the vehicle, the related commands will not be displayed in the "Shortcut Menu" screen. Also, according to conditions, other commands may not be displayed in the "Shortcut Menu" screen.
 - The functions available may vary according to the navigation system installed.
- Voice recognition language can be changed. (See "SELECTING A LANGUAGE" on page 50.)

▶ "Set a Destination"

Command	Action	Shortcut Menu
"Find Nearby <POI category>"	Displays a list of <POI category* ¹ > near the current position.	○
"Enter an Address"	Enables setting a destination by saying the address.	○
"Go Home"	Displays the route to home.	○
"Call Destination Assist"	Connects Lexus Enform with Safety Connect response center.	—
"Destination by Phone Number"* ²	Enables setting a destination by saying the phone number.	—

*¹: For example; Gas stations, Restaurants, etc.

*²: To use this function, say "**Main menu**" and then "**Set a destination**" while the "Shortcut Menu" screen is being displayed.

4

VOICE COMMAND SYSTEM

1. VOICE COMMAND SYSTEM OPERATION

▶ “Use the Phone” (For details, refer to “Owner’s Manual”.)

Command	Action	Shortcut Menu
“Call <name> <type>”	Calls made by saying a name from the phone-book. For example: Say “ <i>Call John Smith</i> ”, “ <i>Call John Smith, mobile</i> ” etc.	○
“Dial <number>”	Calls made by saying the phone number. For example: Say “ <i>Dial 911</i> ”, “ <i>Dial 5556667777</i> ” etc.	○
“International Call” ^{*1}	Calls international numbers by saying the phone number.	—

^{*1}: To use this function, say “*Main menu*” and then “*Use the phone*” while the “Shortcut Menu” screen is being displayed.

▶ “Play Music”

Command	Action	Shortcut Menu
“Play Artist <name>”	Plays tracks by the selected artist. For example: Say “ <i>Play artist <XXXXX></i> ” ^{*1}	○
“Play Album <name>”	Plays tracks from the selected album. For example: Say “ <i>Play album <XXXXX></i> ” ^{*1}	○
“Play Song <name>” ^{*2}	Plays the selected track. For example: Say “ <i>Play song Summertime</i> ”, “ <i>Play song Concerto in A Major</i> ” etc.	—
“Play Playlist <name>” ^{*2}	Plays tracks from the selected playlist. For example: Say “ <i>Play playlist My Favorite Songs</i> ”, “ <i>Play Playlist Classic Hits</i> ” etc.	—

^{*1}: Say the desired artist name or album name in the place of the “<>”.

^{*2}: To use this function, say “*Main menu*” and then “*Play music*” while the “Shortcut menu” screen is being displayed.

▶ "Get Information"

Command	Action	Shortcut Menu
"Traffic"	Displays the traffic incident list.	○
"Weather"	Displays weather information.	○
"Sports Scores"	Displays the sports list.	○
"Stock Quotes"	Displays the stocks list.	○
"Fuel Prices"	Displays the fuel prices list.	○
"Lexus Insider"	Displays the Lexus insider list.	—

▶ Select audio mode

When Expanded Voice Commands are turned "On". (See page 142.)

Command	Action	Shortcut Menu
"Radio"	Sets the audio mode to radio.	○
"AM"	Selects the AM band.	○
"FM"	Selects the FM band.	○
"Satellite radio"	Selects the satellite radio mode.	○
"Disc"	Selects the disc audio mode.	○
"Auxiliary"	Selects the auxiliary audio mode.	○
"Bluetooth* audio"	Selects the Bluetooth® audio mode.	○
"iPod"	Selects the iPod audio mode.	○
"USB audio"	Selects the USB audio mode.	○
"Audio on"	Turns the audio system on.	○
"Audio off"	Turns the audio system off.	○

4

VOICE COMMAND SYSTEM

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

1. VOICE COMMAND SYSTEM OPERATION

▶ Climate command

When Expanded Voice Commands are turned "On". (See page 142.)

Command	Action	Shortcut Menu
"Automatic climate control"	Turns air conditioning on and off.	○
"Warmer"	Turns temperature up.	○
"Cooler"	Turns temperature down.	○

INFORMATION

- Commands that have a "○" in the Shortcut Menu column can be recognized from the "Shortcut Menu" screen.
- Commands that have a "—" in the Shortcut Menu column can only be recognized from the screen that they are displayed in.

5

INFORMATION

1 INFORMATION DISPLAY

- 1. MAP DATABASE VERSION AND COVERAGE AREA 148
 - MAP INFORMATION 148
 - CERTIFICATION 149

2 XM FUNCTION-OVERVIEW

- 1. XM SERVICES 150

3 XM FUNCTION OPERATION

- 1. XM Sports 153
 - RECEIVE SPORTS INFORMATION 153
 - XM Sports SETTINGS – ADD OR DELETE TEAMS 154
- 2. XM Stocks 156
 - RECEIVE STOCK DATA 156
 - XM Stocks SETTINGS – ADD OR DELETE STOCKS 157
- 3. XM Fuel Prices 159
 - SHOW XM Fuel Prices INFORMATION 159
 - VIEW DETAILED FUEL PRICE INFORMATION 159
 - XM Fuel Prices SETTINGS 160
- 4. XM NavWeather™ 162
 - SHOW XM NavWeather™ INFORMATION 162
 - WEATHER INFORMATION 163
 - WEATHER WARNINGS 164
 - XM NavWeather™ INDICATOR 164
- 5. XM NavTraffic® 165
 - SHOW TRAFFIC EVENT 165
 - SHOW XM NavTraffic® INFORMATION 166

4 SETUP

- 1. XM SETTINGS 168

1

2

3

4

5

6

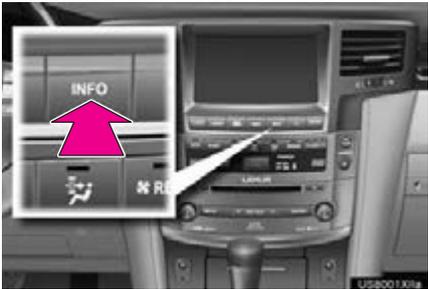
1. INFORMATION DISPLAY

1. MAP DATABASE VERSION AND COVERAGE AREA

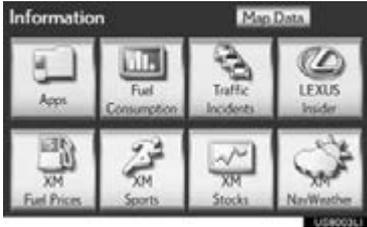
MAP INFORMATION

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

1 Press the "INFO" button.



2 Touch "Map Data".



● The "Map Information" screen will be displayed.

INFORMATION

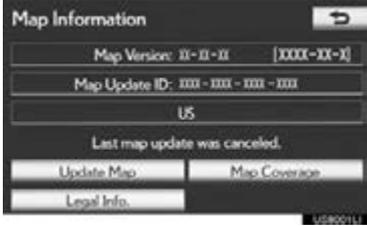
- Map data updates are available for a fee. Contact your Lexus dealer for further information.
- The "Map Information" screen displays **1** "Map Version" and **2** "Map Update ID". This data is needed to perform a map data update.



LEGAL INFORMATION

Legal information related to the map data can be displayed.

- 1 Press the "INFO" button.
- 2 Touch "Map Data" on the "Information" screen.
- 3 Touch "Legal Info."



● The "Legal Information" screen will be displayed.

MAP COVERAGE

Map data coverage areas can be displayed.

- 1 Press the "INFO" button.
- 2 Touch "Map Data" on the "Information" screen.
- 3 Touch "Map Coverage".



- The "Map Data Coverage" screen will be displayed.

CERTIFICATION

- ▶ For vehicles sold in Canada

- This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.
- Le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- This device complies with RSS-310 of Industry Canada. Operation is subject to the condition that this device does not cause harmful interference.
- Cet appareil est conforme au CNR-310 d'Industrie Canada. Son exploitation est autorisée sous réserve que l'appareil ne cause pas de brouillage préjudiciable.

5

INFORMATION

2. XM FUNCTION-OVERVIEW

1. XM SERVICES

XM services are subscription-based XM Satellite Radio services to provide convenient features to subscribers.

- With an active XM subscription, the following features are available:
 - XM Sports*¹ (See page 153.)
 - XM Stocks*¹ (See page 156.)
 - XM Fuel Prices*² (See page 159.)
 - XM NavWeather™*² (See page 162.)
 - XM NavTraffic®*² (See page 165.)

*¹: Available at no extra charge with an active XM Satellite Radio subscription.

*²: Available via separate XM subscription(s).

SUBSCRIPTION(S)

- XM NavTraffic®, XM NavWeather™ and XM TravelLink require separate XM subscription(s). XM Sports*, XM Stocks* and XM Fuel Prices are available with an XM TravelLink subscription. After a 90-day trial, you must contact XM and set up the appropriate XM subscription(s) to continue receiving these services.

*: XM Sports and XM Stocks are included with an XM Satellite Radio subscription.

AVAILABILITY OF SERVICE(S)

- The XM NavTraffic® service is available in the contiguous 48 U.S. states and Canada.
- The XM NavWeather™, XM Sports, XM Stocks and XM Fuel Prices services are available in the contiguous 48 U.S. states.

ACTIVATION OF SERVICE(S)

- To receive XM NavTraffic®, XM NavWeather™, XM Sports, XM Stocks and XM Fuel Prices services, the XM service must be activated. To activate the service, call the XM Listener Care Center at 1-877-515-3987.
- Customers should have their radio ID ready. The radio ID can be found by selecting "CH 000" on the radio. For details, refer to "Owner's Manual".

INFORMATION

- For further details about the service, contact your Lexus dealer.
- XM Satellite Radio is responsible for all fees and services, which are subject to change.

XM RADIO SERVICES – DESCRIPTIONS

■ RADIO AND ENTERTAINMENT

XM offers more than 170 satellite radio channels of commercial-free music and premier sports, news, talk, and entertainment. XM is broadcast via satellites to millions of listeners across the continental United States. XM subscribers listen to XM on satellite radio receivers for the car, home, and portable use. More information about XM is available online at www.siriusxm.com (U.S.A.) or www.xmradio.ca (Canada).

■ INFOTAINMENT AND DATA SERVICES

XM offers a variety of advanced Infotainment and data services.

XM RADIO SERVICES – SUBSCRIPTION INSTRUCTIONS

For XM Services requiring a subscription (such as XM Radio, and some Infotainment & data services), the following paragraph shall be included.

Required XM Radio and some Infotainment & data services monthly subscriptions sold separately after trial period. Subscription fee is consumer only. All fees and programming subject to change. Subscriptions are subject to the Customer Agreement available at www.siriusxm.com (U.S.A.) or www.xmradio.ca (Canada). XM service only available in the 48 contiguous United States and 10 Canadian provinces. © 2011 Sirius XM Radio Inc. Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. All other marks, channel names and logos are the property of their respective owners.

For more information, program schedules, and to subscribe or extend subscription after complimentary trial period; more information is available at:

- ▶ U.S.A. Customers
Visit www.siriusxm.com or call 1-877-515-3987
- ▶ Canadian Customers
Visit www.xmradio.ca or call 1-877-515-3987

5

INFORMATION

XM RADIO SERVICES – LEGAL DISCLAIMERS AND WARNINGS

Fees and Taxes – Subscription fee, taxes, one time activation fee, and other fees may apply. Subscription fee is consumer only. All fees and programming subject to change. Subscriptions subject to Customer Agreement available at www.siriusxm.com (U.S.A.) or www.xmradio.ca (Canada). XM service only available in the 48 contiguous United States and Canada*.

*: Canada – some deterioration of service may occur in extreme northern latitudes. This is beyond the control of XM Satellite Radio.

Explicit Language Notice – Channels with frequent explicit language are indicated with an “XL” preceding the channel name. Channel blocking is available for XM Satellite Radio receivers by notifying XM at;

- ▶ U.S.A. Customers
Visit www.siriusxm.com or calling 1-877-515-3987
- ▶ Canadian Customers
Visit www.xmradio.ca or calling 1-877-515-3987

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 XM Satellite Radio System or that support the XM website, the Online 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 XM receivers only and not XM Ready devices.

3. XM FUNCTION OPERATION

1. XM Sports

XM Sports is a service included with an XM Satellite Radio subscription. This service is also available with an XM Travellink subscription. With this service, you can receive updates via the navigation system on your personally selected sports teams.

- 1 Press the "INFO" button.



- 2 Touch "XM Sports".



- The "XM Sports" screen is displayed.
- The following operations can be performed:
 - Sports information can be received. (See page 153.)
 - XM Sports settings can be set. (See page 154.)

RECEIVE SPORTS INFORMATION

The desired teams must be added in order to receive information. (See page 154.)

- 1 Press the "INFO" button.
- 2 Touch "XM Sports" on the "Information" screen.
- 3 Touch the desired team to receive information.



- Teams for which there is no current data available will be dimmed and you will not be able to select them.
- 4 Touch the individual information item to hear it, or touch "Read All" to hear all available information for that team.



- The selected information will be read out in its entirety.

5

INFORMATION

XM Sports SETTINGS – ADD OR DELETE TEAMS

To input your personalized XM Sports team.

- 1 Press the “INFO” button.
- 2 Touch “XM Sports” on the “Information” screen.
- 3 Touch “Options”.



- 4 Perform each setting according to the procedures outlined on the following pages.



- Personalized XM Sports teams can also be input from the “Setup” screen. (See “XM SETTINGS” on page 168.)

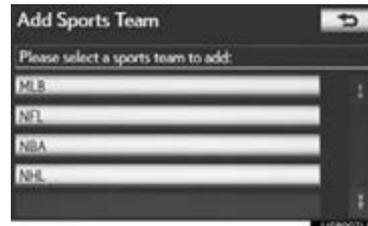
ADD SPORTS TEAM

- 1 Touch “Add Sports Team”.

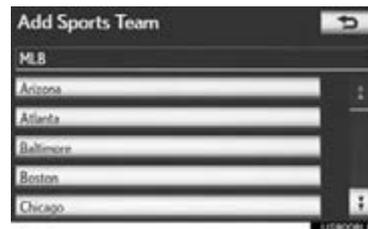


- Up to 5 teams can be added and saved in the system for which information will be received. The desired teams can be changed at any time. Teams must be added one at a time.

- 2 Touch the desired sporting league of the team.



- 3 Touch the name of the desired team to be added from the list that appears.



- 4 Touch “Yes” to confirm or “No” to cancel.

DELETE SPORTS TEAMS

- 1 Touch "Delete Sports Teams".



- 2 Touch the individual sports team to be deleted or touch "Select All" to delete all the teams, and touch "Delete".



- 3 Touch "Yes" to confirm or "No" to cancel.

5

INFORMATION

3. XM FUNCTION OPERATION

2. XM Stocks

XM Stocks is a service included with an XM Satellite Radio subscription. This service is also available with an XM TravelLink subscription. With this service, you can receive updates via the navigation system on your personally selected stocks.

- 1 Press the "INFO" button.



- 2 Touch "XM Stocks".

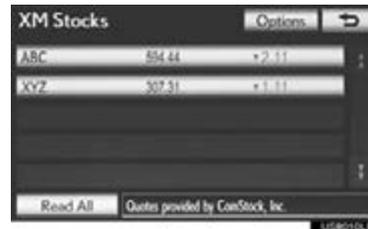


- The "XM Stocks" screen is displayed.
- The following operations can be performed:
 - Stock data can be received. (See page 156.)
 - XM Stocks setting can be set. (See page 157.)

RECEIVE STOCK DATA

You must first add your desired stocks prior to receiving data. (See page 157.)

- 1 Press the "INFO" button.
- 2 Touch "XM Stocks" on the "Information" screen.
- 3 Touch an individual stock to hear its related data, or touch "Read All" to hear the data for all the stocks saved in the system.



- The selected data will be read out in its entirety.
- Stock data may be delayed by approximately 20 minutes.

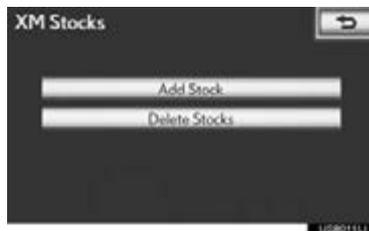
XM Stocks SETTINGS – ADD OR DELETE STOCKS

To input your personalized XM Stocks settings.

- 1 Press the “INFO” button.
- 2 Touch “XM Stocks” on the “Information” screen.
- 3 Touch “Options”.



- 4 Perform each setting according to the procedures outlined on the following pages.



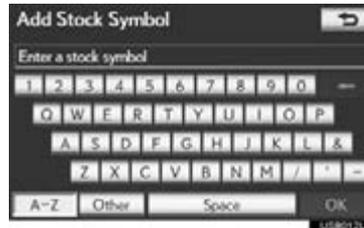
- Personalized XM Stocks settings can also be input from the “Setup” screen. (See “XM SETTINGS” on page 168.)

ADD STOCK

- 1 Touch “Add Stock”.



- 2 Input the desired stock symbol.



- 3 When finished, touch “OK”.

- Up to 10 individual stock symbols can be added and saved in the system for which information will be received. Stocks must be input one at a time. To enter a stock, the symbol of the desired stock must be known.

5

INFORMATION

DELETE STOCKS

- 1 Touch "Delete Stocks".



- 2 Touch the individual stock to be deleted or touch "Select All" to delete all the stocks, and touch "Delete".



- 3 Touch "Yes" to confirm or "No" to cancel.

3. XM FUNCTION OPERATION

3. XM Fuel Prices

XM Fuel Prices is a service included with an XM TravelLink subscription. It enables the navigation system to display current fuel prices and gas station locations, which can be set as a destination if desired.

SHOW XM Fuel Prices INFORMATION

- 1 Press the "INFO" button.

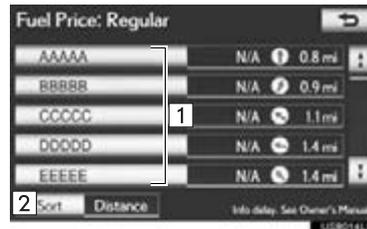


- 2 Touch "XM Fuel Prices".



- The "Fuel Price" screen is displayed.

XM Fuel Prices SCREEN



- 1 Gas station name
- 2 Sort

VIEW DETAILED FUEL PRICE INFORMATION

- 1 Press the "INFO" button.
- 2 Touch "XM Fuel Prices" on the "Information" screen.
- 3 Touch the desired gas station from the list.



- The location of the selected gas station will be displayed on the map screen.

5 INFORMATION

3. XM FUNCTION OPERATION

4 Touch "Info".



- When the map scale is at the maximum range of 0.5 miles (800 m), is not shown. When the map scale is at the minimum range of 150 ft. (50 m), is not shown.



"Mark": Touch to mark the selected gas station on the map screen.

"Go to": Touch to set the selected gas station as a destination with route directions.

"Add to Route": Touch to add the selected gas station as a destination.

"Detail": Touch to read the selected gas station's information.

- If is touched, the registered phone number can be called.

INFORMATION

- The information displayed is received via satellite radio. Depending on the time the information is received, the displayed information may not be up to date.

XM Fuel Prices SETTINGS

The desired fuel type, preferred brand, and show prices reported can be registered.

REGISTER FUEL TYPE

1 Press the "SETUP" button.



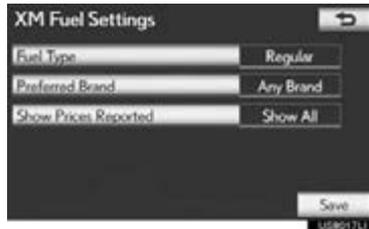
2 Touch "Other".



3 Touch "XM Fuel Prices".



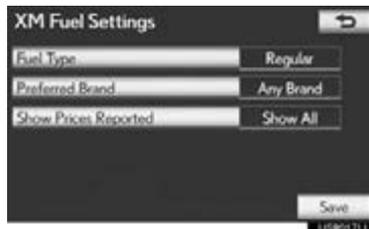
- 4 Touch "Fuel Type".



- 5 Touch the desired fuel type.
 - "Premium", "Midgrade", "Regular" or "Diesel" can be selected.
- 6 Touch "Save".

REGISTER PREFERRED BRAND

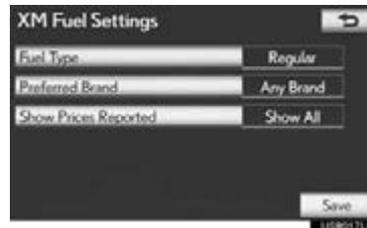
- 1 Press the "SETUP" button.
- 2 Touch "Other" on the "Setup" screen.
- 3 Touch "XM Fuel Prices" on the "Other Settings" screen.
- 4 Touch "Preferred Brand".



- 5 Touch the preferred brand.
- 6 Touch "Save".

REGISTER SHOW PRICES REPORTED

- 1 Press the "SETUP" button.
- 2 Touch "Other" on the "Setup" screen.
- 3 Touch "XM Fuel Prices" on the "Other Settings" screen.
- 4 Touch "Show Prices Reported".



- 5 Touch the desired period.
 - "Last 24 Hours", "Last 2 Days" or "Show All" can be selected.
 - If "Show All" is selected, information about gas stations which fuel prices are not provided is also displayed on the list.
- 6 Touch "Save".

5

INFORMATION

3. XM FUNCTION OPERATION

4. XM NavWeather™

The subscription-based XM NavWeather™ service allows the navigation system to display weather information on the map screen.

- The following operations can be performed:
 - Show XM NavWeather™ information: Weather forecast information is displayed on the map screen. (See page 162.)
 - Weather information: Weather information for the selected city is displayed. (See page 163.)
 - Weather warnings: Weather warnings issued within a radius of approximately 15 miles (25 km) or 7.8 miles (12.5 km) around the vehicle are displayed on the warning screen. (See page 164.)

SHOW XM NavWeather™ INFORMATION

- 1 Press the "INFO" button.



- 2 Touch "XM NavWeather".



- The "XM NavWeather" screen is displayed.

XM NavWeather™ SCREEN



1 "Info."

- When the city icon is touched, "Info." is displayed on the map screen. Touching this screen button displays the "Forecast" screen. (See page 163.)

2 City icon

- When this screen button is touched, city names and "Info." are displayed on the upper part of the screen.

3 "Forecast"

- When this screen button is touched, the city selection screen is displayed.



- Touch a city to display weather information. Weather information of the selected city will be displayed. (See page 163.)

4 "Current Location"

- When "Current Location" is touched, the current position is displayed.

5 Zoom in/out screen button

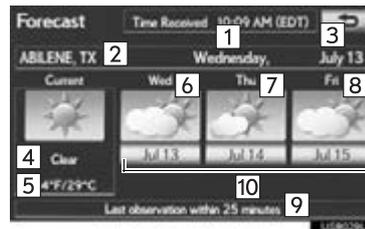
- The scale of the map can be changed. Three zoom levels can be selected; 16 miles (26 km), 30 miles (48 km) and 60 miles (97 km).

6 Weather icons and grids

- Inclement weather information is displayed on the map using weather icons and grids. Touching an icon shows the related information at the top of the screen.

Icon	Weather
	Tornado
	Hurricane
	Storm
	Flood
	Winter
	Wind
	Extremes
	Other
	Hail storm
	Severe thunderstorm
	Heavy fog
	Heavy freezing rain/ice
	Heavy snow
	Heavy rain

WEATHER INFORMATION

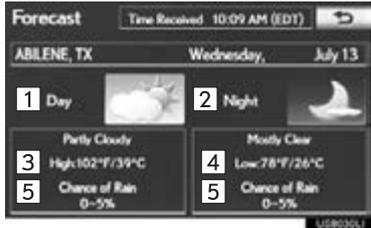


No.	Function
1	Received time
2	City name
3	Today's date
4	Current weather
5	Current temperature
6	Today's weather
7	Tomorrow's weather
8	Day after tomorrow's weather
9	Observed time (Time elapsed since last update)
10	Specified day's weather

5 INFORMATION

3. XM FUNCTION OPERATION

- When the specified day's weather screen button is touched, weather information for a specified day is displayed.



No.	Function
1	Daytime weather
2	Nighttime weather
3	Maximum temperature
4	Minimum temperature
5	Precipitation probability

WEATHER WARNINGS

Weather warnings issued within a radius of approximately 15 miles (25 km) or 7.8 miles (12.5 km) around the vehicle are displayed on the warning screen.



“Weather Map”: When this screen button is touched, the “XM NavWeather” screen is displayed.

“OK”: When this screen button is touched, the screen returns to the map of the current position.

XM NavWeather™ INDICATOR



- When an XM NavWeather™ warning is issued within the vicinity, the XM NavWeather™ indicator will appear on the map screen.

3. XM FUNCTION OPERATION

5. XM NavTraffic®

The subscription-based XM NavTraffic® service allows the navigation system to display traffic information on the map screen.

The following operations can be performed:

- Show XM NavTraffic® Information: Traffic information is displayed on the map screen. (See page 166.)
- Auto Avoid Traffic: If any heavy congestion or moderate traffic has been detected on the guidance route, it may be possible for you to select another route offered by the system. (See page 118.)
- Traffic Incident Warning: Traffic congestion information is provided using voice guidance. (See page 57.)
- Show Free Flowing Traffic: Freely flowing traffic is shown by the arrow on the map. (See page 119.)

INFORMATION

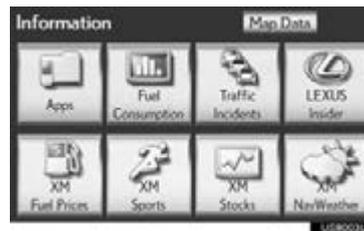
- When the “Traffic Information” indicator is dimmed, “Avoid Traffic”, “Traffic Incident Warning” and “Show Free Flowing Traffic” will not operate.

SHOW TRAFFIC EVENT

- 1 Press the “INFO” button.



- 2 Touch “Traffic Incidents”.



- A list of current traffic incidents is displayed along with information on the incident's distance and position relative to the vehicle.

- 3 Touch the desired traffic event.



“On Current Route”: Touch to display the traffic congestion information for the selected route, the road which the current vehicle is on. If a route has not been set, “On Current Road” will be displayed.

5

INFORMATION

3. XM FUNCTION OPERATION

4 This screen is displayed.



- Guidance route traffic information is displayed on the screen. Touch “Detail” to display detailed traffic event information.



SHOW XM NavTraffic® INFORMATION

1 Touch “Show on Map”.



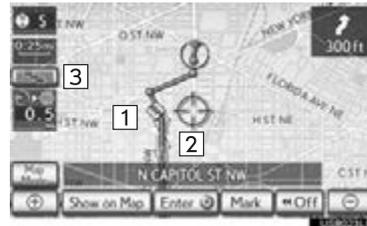
2 Touch “Traffic Information”.



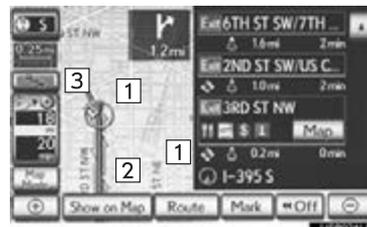
- The “Traffic Information” indicator is highlighted.

3 XM NavTraffic® information is displayed on the map screen.

▶ On the map screen



▶ On the freeway information screen



1 XM NavTraffic® icon

- When any traffic information is received, the XM NavTraffic® icon will appear on the map screen. Touching the XM NavTraffic® icon on the screen will start voice guidance for the traffic information. (See page 39.)
- When the XM NavTraffic® icon is selected, voice guidance for the traffic information will start even if "Off" for "Traffic Incident Warning" is selected.

2 XM NavTraffic® information arrow

- When any XM NavTraffic® information is received, the XM NavTraffic® information arrow will appear on the map screen. The color of the arrow changes depending on the traffic information received.

Color	Function
Red	Heavy congestion
Yellow	Moderate traffic
Green	Freely flowing traffic

3 XM NavTraffic® indicator

- When any XM NavTraffic® information is received, the XM NavTraffic® indicator will appear on the screen. The color of the indicator changes depending on the traffic information received.

Color	Function
White	Traffic information has been received.
Yellow	Traffic restriction information on the guidance route has been received (screen button*).
Red	Congestion information on the guidance route has been received (screen button*).

*: Touching the XM NavTraffic® indicator will start voice guidance.

5

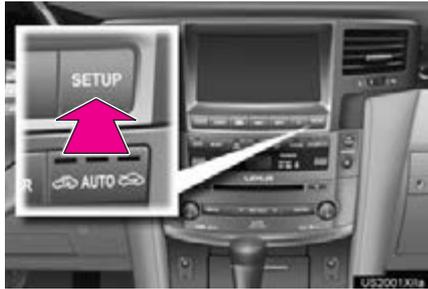
INFORMATION

4. SETUP

1. XM SETTINGS

Used for changing settings for XM Sports, XM Stocks and XM Fuel Prices.

- 1 Press the "SETUP" button.



- 2 Touch "Other".



- 3 Touch the item to be set.



- On this screen, the following functions can be performed:

No.	Function	Page
1	Touch to set XM Sports.	153
2	Touch to set XM Stocks.	156
3	Touch to set XM Fuel Prices.	159

6

LEXUS ENFORM WITH SAFETY CONNECT

1	LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW	
1.	FUNCTIONAL OVERVIEW	170
2.	TYPE A: FUNCTION ACHIEVED BY USING A CELLULAR PHONE.....	171
	BEFORE USING THE FUNCTION	173
	PREPARATION BEFORE USING APPS.....	174
3.	TYPE B: FUNCTION ACHIEVED BY USING DCM AND THE NAVIGATION SYSTEM	176
	BEFORE USING THE FUNCTION	177
4.	TYPE C: FUNCTION ACHIEVED BY USING DCM	179

2	LEXUS ENFORM WITH SAFETY CONNECT OPERATION	
1.	APPS	180
	ACTIVATING "APPS"	180
	LINKING "APPS" AND NAVIGATION LOCAL FUNCTION	183
	INPUTTING KEYWORD OPERATION	185
2.	Destination Assist	187
	MAKE A CALL WITH Destination Assist	187
3.	eDestination	189
	DOWNLOAD eDestinations	189
	RETRIEVE AN eDestination	191
	SHOW eDestination ICONS.....	192
4.	Lexus Insider	193
	VIEW AND PLAY RECEIVED Lexus Insider MESSAGES.....	193
	NEW MESSAGE NOTIFICATION.....	195
	Lexus Insider SETTINGS	196

1

2

3

4

5

6

1. LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW

1. FUNCTIONAL OVERVIEW

Lexus Enform with Safety Connect is a generic name for Apps, Destination Assist, eDestination, Lexus Insider, and Safety Connect.

- The functions included in Lexus Enform with Safety Connect are classified into the following three types.

Type A: Function achieved by using a cellular phone

Type B: Function achieved by using an embedded cellular device in the vehicle (DCM: Data Communication Module) and the navigation system

Type C: Function achieved by using DCM

Function	Type
Apps	Type A
Destination Assist	Type B
eDestination	Type B
Lexus Insider	Type B
Safety Connect	Type C

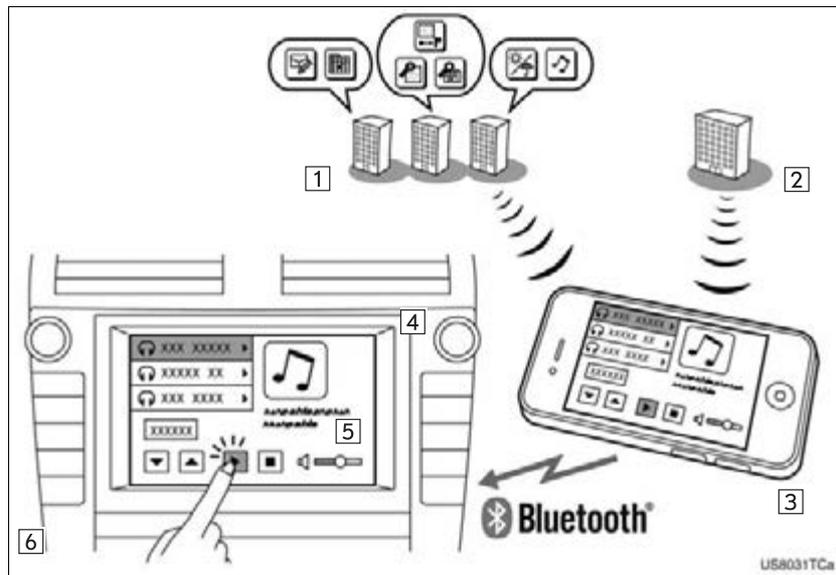
- Each function is available in the following areas.
 - Apps is available in the 48 states, D.C. and Alaska.
 - Destination Assist and eDestination are available in the contiguous 48 states and D.C.
 - Lexus Insider is available in the contiguous 48 states and Canada.
 - Safety Connect is available in the United States (except Hawaii) but is not available in Canada.

1. LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW

2. TYPE A: FUNCTION ACHIEVED BY USING A CELLULAR PHONE

Of the functions included with Lexus Enform with Safety Connect, only Apps can be achieved by using a cellular phone.

Apps is a service that enables the usable contents of a cellular phone to be displayed on and operated from the navigation screen. Before Apps can be used, a few settings need to be performed. (See page 174.)



6

LEXUS ENFORM WITH SAFETY CONNECT

1. LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW

No.	Name	Function
1	Contents provider	Provides contents to the navigation system via a cellular phone.
2	Application server	Provides applications to the navigation system via a cellular phone.
3	Cellular phone*	Using the Apps application, communication is relayed between the navigation system, the application server and the contents provider.
4	Application player	Runs applications on the navigation system. The navigation system is equipped with an application player.
5	Applications ("Apps")	Displays and sounds the usable contents from the contents providers via a cellular phone on the application player.
6	Navigation system	Contents received, via a cellular phone, from the contents provider servers are displayed on the navigation screen.

*: For known compatible phones, refer to <http://www.lexus.com/bluetooth/>.

BEFORE USING THE FUNCTION

SUBSCRIPTION

- Apps will be available on a trial period included upon purchase of a new vehicle. User registration is required to start using the service. (See page 175.)
- When a trial period has elapsed after purchasing a new vehicle, a fee will be charged to renew the contract.*
- Services requiring a separate contract can also be used.*

*: For details, refer to <http://www.lexus.com/enform/> or call 1-800-255-3987.

AVAILABILITY OF SERVICE

- Apps is available in the 48 states, D.C. and Alaska.

INFORMATION

- When using Apps, depending on the details of your cellular phone contract, data usage fees may apply. Confirm data usage fees before using this service.
- In this section, the required operations to activate "Apps", connect a cellular phone to the navigation system and registration steps for Apps are explained. For details regarding Apps operations and each of the "Apps", refer to <http://www.lexus.com/enform/>.

INITIALIZING PERSONAL DATA

The personal data used in "Apps" can be reset. (See "DELETING PERSONAL DATA" on page 55.)

- The following personal data can be deleted and returned to their default settings:
 - Downloaded contents
 - Radio stations that were listened to
 - Input history

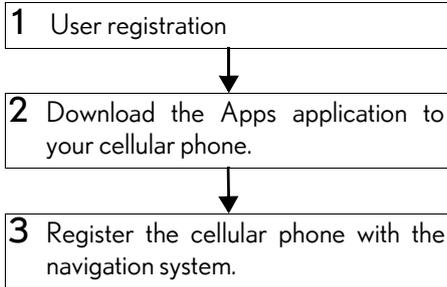
INFORMATION

- Once initialized, data will be erased. Pay close attention when initializing the data.

PREPARATION BEFORE USING APPS

SETTINGS REQUIRED TO USE APPS

Perform the settings in the following order.



In order to use Apps, the following settings must first be performed:

- User registration with the service contract (See page 174.)
- Download the Apps application onto your cellular phone, and login to the application. (See page 175.)
- Register the cellular phone that the Apps application was downloaded to with the navigation system. (See page 175.)
- Register a Bluetooth® phone with the hands-free system. (For detailed information about registration and settings, refer to "Owner's Manual, Registering a Bluetooth® phone".)

USER REGISTRATION

When purchasing the vehicle, an email address is registered at your Lexus dealer. If your email address was not registered at your Lexus dealer, your email address can be registered at the Apps website. A user registration guidance email containing a web address will be sent.

- 1 Perform user registration from the designated web address.

INFORMATION

- If your email address was not registered at your Lexus dealer when the vehicle was purchased, an email address can be registered at <http://www.lexus.com/enform/>.

REGISTERING THE APPS APPLICATION

- 1 Download the Apps application using your cellular phone.
- 2 Run the Apps application on your cellular phone.
- 3 Enter a user name and password into the Apps application. Login to the application.

INFORMATION

- "Apps" can only be used when the Apps application has been downloaded to your cellular phone and the application is running.
- Apps operational procedures can also be confirmed by visiting <http://www.lexus.com/enform/>.
- In order to use "Apps", it is necessary to run the Apps application, enter your user name and password and display the main menu on the cellular phone.
- An iPhone cannot be connected via Bluetooth® and USB connection at the same time. However, it is possible to recharge an iPhone while using Apps by connecting via USB. The system uses the connection method that was used last. Therefore, if connected via USB after Bluetooth® connection, it is necessary to reconnect the iPhone via Bluetooth®.

1. LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW

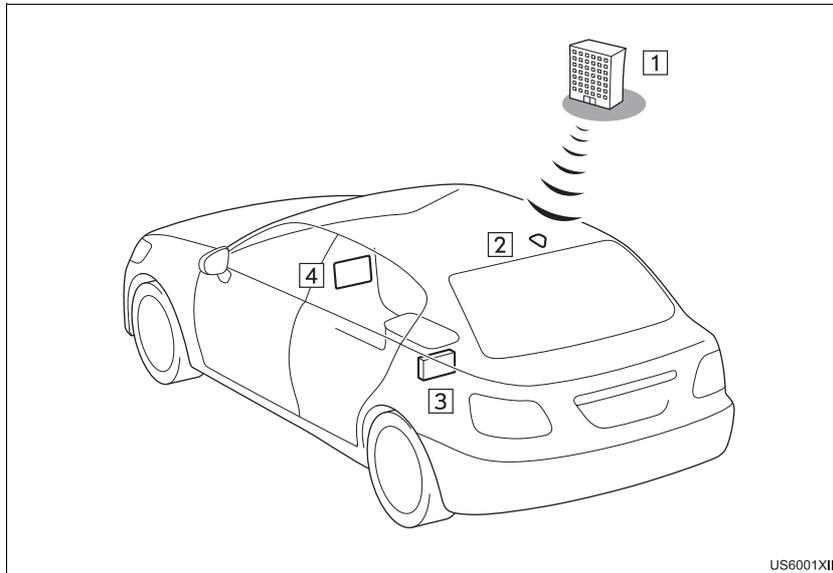
3. TYPE B: FUNCTION ACHIEVED BY USING DCM AND THE NAVIGATION SYSTEM

Of the functions included with Lexus Enform with Safety Connect, Destination Assist, eDestination, and Lexus Insider can be achieved by making DCM cooperate with the navigation system.

These are subscription-based telematics services that use Global Positioning System (GPS) data, embedded cellular technology to provide safety and security as well as convenience features to subscribers.

The services are supported by Lexus' designated response center, which operates 24 hours per day, 7 days per week.

The services are available by subscription on select, telematics hardware-equipped vehicles.



US6001XII

No.	Name	No.	Name
1	Lexus' designated response center	3	DCM
2	TEL, GPS antenna	4	Navigation system

BEFORE USING THE FUNCTION

SUBSCRIPTION

- After you have signed the Telematics Subscription Service Agreement and are enrolled, you can begin receiving services. A variety of subscription terms is available for purchase. Contact your Lexus dealer, call 1-800-25-LEXUS (1-800-255-3987), or select the “**Destination Assist**” (See page 187.) in your vehicle for further subscription details.

AVAILABILITY OF SERVICE(S)

- Destination Assist and eDestination will function in the contiguous 48 states and D.C. These services may also function in Hawaii and limited areas of Alaska for vehicles that contain map data for those states. They will not function in Canada or in other countries outside the United States.
- Lexus Insider will function in the contiguous 48 states and Canada. They will not function in Hawaii, Alaska, or countries outside of the U.S. other than Canada.

ACTIVATION OF SERVICE(S)

- Enrollment in Lexus Enform with Safety Connect (via your dealership) is required to activate all services.

- Certification for Lexus Enform with Safety Connect

FCC ID: O9EGTM1
FCC ID: O6Y-CDMRF101

NOTE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

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

1. LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW

INFORMATION

- Exposure to radio frequency signals:
The Lexus Enform with Safety Connect system installed in your vehicle is 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]
- Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).
- The design of Lexus Enform with Safety Connect complies with the FCC guidelines in addition to those standards.

INFORMATION

- Available beginning Fall 2009 on select Lexus models. Contact with the Lexus Enform with Safety Connect response center is dependent upon the telematics device being in operative condition, cellular connection availability, navigation map data, and GPS satellite signal reception, which can limit the ability to reach the response center or receive support. Enrollment and Telematics Subscription Service Agreement required. A variety of subscription terms is available; charges vary by subscription term selected.
- The Lexus Enform with Safety Connect response center will offer support in multiple languages.
- Select Lexus Enform with Safety Connect-subscribed vehicles are capable of communicating vehicle information, triggering owner reminder notifications. Owners who do not wish to have their vehicle transmit this information can opt out of the service at the time of enrollment or by calling 1-800-255-3987 and follow the prompt for Lexus Enform with Safety Connect.
- For further details about the service, contact your Lexus dealer.
- Lexus Enform with Safety Connect services are not subject to section 255 of the Telecommunications Act and the device is not TTY compatible.

1. LEXUS ENFORM WITH SAFETY CONNECT-OVERVIEW

4. TYPE C: FUNCTION ACHIEVED BY USING DCM

Of the functions included with Lexus Enform with Safety Connect, Safety Connect can be achieved by using DCM.
For details, refer to "Owner's Manual".

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

1. APPS

ACTIVATING "APPS"

Each time "Apps" is activated, the system checks for updates. When there are no updates available, the main menu screen will be displayed right after a screen indicating that updates are being checked for has been displayed.

ACTIVATING "APPS"

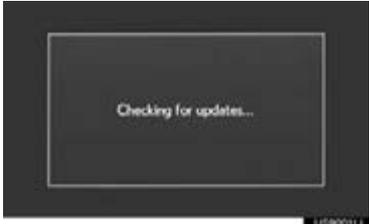
1 Press the "INFO" button.



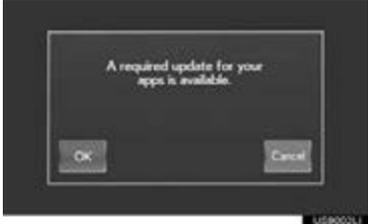
2 Touch "Apps".



3 A screen indicating that updates are being checked for will be displayed.

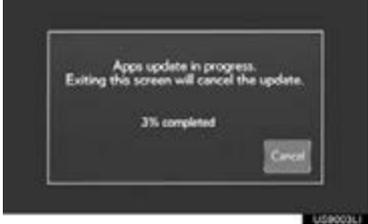


4 Touch "OK".



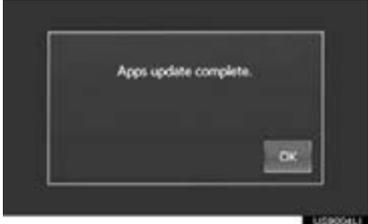
- To cancel updating, touch "Cancel".
- After touching "Cancel", the "Information" screen will be displayed.
- The "Information" screen will also be displayed if updating fails.

5 A screen indicating that an update is in progress will be displayed.



- To stop updating, touch "Cancel".
- After touching "Cancel", the "Information" screen will be displayed.
- The "Information" screen will also be displayed if updating fails.

6 Touch "OK".



2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

- 7 When updating is complete, the main menu screen will be displayed.



- The screen shown above is only an example. The actual screen may be different.
- For details about the function and service of each application displayed in the main menu, refer to <http://www.lexus.com/enform/>.

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

IF A MESSAGE APPEARS ON THE SCREEN

When problems occur starting up the application player, a message will appear on the screen. Referring to the table below to identify the problem, take the suggested corrective action.

Message	Display conditions	Corrective action
"This feature is unavailable during an emergency call."	Safety Connect is being implemented.	After Safety Connect is finished, perform the operation again.
"This feature is unavailable while transferring contacts."	Contacts are being transferred manually from the phonebook.	When the transfer of contacts is complete, perform the operation.
"There is a problem with the Bluetooth* connection. For troubleshooting assistance, please visit lexus.com or call 1-800-255-3987."	The cellular phone cannot be connected.	Refer to http://www.lexus.com/enform/ to confirm if the phone is compatible or not.
"This feature is unavailable during a handsfree call."	A hands-free call is in progress.	After the hands-free call is finished, perform the operation.
"To use the services, an active application needs to be running on your phone. For more information, please visit lexus.com ."	The Apps application cannot be connected to Bluetooth* SPP.	Refer to http://www.lexus.com/enform/ to confirm if the phone is Bluetooth* SPP compatible or not, and then activate the Apps application.
"Communication error. Please try again."	Communication was disconnected.	After a few moments, retry the operation.

*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

LINKING "APPS" AND NAVIGATION LOCAL FUNCTION

The navigation system's setting a destination and making a hands-free call can be performed via "Apps" of Apps.

1 Press the "INFO" button.



2 Touch "Apps".



3 A screen indicating that updates are being checked for will be displayed.



4 When updating is complete, the main menu screen will be displayed.



- The screen shown above is only an example. The actual screen may be different.
- For details about the function and service of each application displayed in the main menu, refer to <http://www.lexus.com/enform/>.

INFORMATION

- Some parts of "Apps" can be adjusted using the switches on the steering wheel.

SETTING A DESTINATION USING "APPS"

Locations that were searched using "Apps" can be set as a destination.

- 1 Touch "Map".



- 2 Touch "Go to".



- 3 To start guidance, touch "OK".



- For the operation of the route guidance screen and the function of each screen button, see "STARTING ROUTE GUIDANCE" on page 78.

MAKING A PHONE CALL USING "APPS"

Phone calls can be made to locations which were searched using "Apps".

- 1 Touch "Call".



- 2 Touch "Yes".



- To cancel making a phone call, touch "Cancel".

- 3 A screen indicating that a call is in progress will be displayed.



- For phone operation and the function of each screen button, refer to "Owner's Manual".

INPUTTING KEYWORD OPERATION

A keyword can be input to “Apps” by the software keyboard or voice recognition function.

- The keyboard layout can be changed. (See page 51.)

INPUTTING A KEYWORD USING THE SOFTWARE KEYBOARD

- 1 Touch the character input space.



- 2 Touch the screen buttons to input the desired characters, and then touch “OK”.



- 3 Input characters will be reflected on the character input space.



- For details on operating the keyboard, see “INPUTTING LETTERS AND NUMBERS/LIST SCREEN OPERATION” on page 30.

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

INPUTTING A KEYWORD USING THE VOICE RECOGNITION FUNCTION

Voice recognition is a function that uses the center's database to enable the use of the voice recognition function.

1 Touch the microphone screen button.



2 When this screen is displayed, say the desired keyword.



Completion of saying the keyword will be detected automatically.

3 Search results will be displayed on the screen.



The screen shown above is only an example. The actual screen may be different.

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

2. Destination Assist

Destination Assist provides you with live assistance for finding destinations via the Lexus Enform with Safety Connect response center. You can request either a specific business, address, or ask for help locating your desired destination by category, such as restaurants, gas stations, shopping centers or other points of interest (POI).

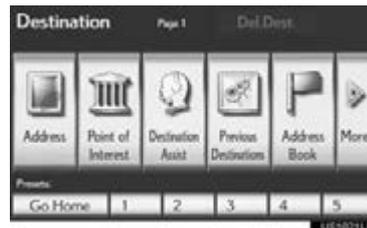
After you tell the agent your choice of destination, its coordinates are sent wirelessly to your vehicle's navigation system.

MAKE A CALL WITH Destination Assist

- 1 Press the "DEST" button.



- 2 Touch "Destination Assist".



- "Destination Assist" screen is displayed on the screen.

6

LEXUS ENFORM WITH SAFETY CONNECT

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

- 3 When an agent comes on the line, tell the agent the address, business name, or the type of POI or service you would like to locate.



- To adjust the call volume, select “-” or “+” on the “Destination Assist” screen, or use the volume switch on the steering wheel during the call.
- You can end the call at any time by selecting “Disconnect” on the “Destination Assist” screen or the steering-wheel phone on-hook (hang-up) switch.

- 4 After the agent helps you determine your location of choice, this screen is displayed.

Touch the button of the screen for the appropriate action.



“**Mark**”: To mark the POI on the navigation map.

“**Map**”: To display the POI on the navigation map.

“**Go**”: To set the POI as a destination with route directions.

“**Detail**”: To read the POI notes you entered online, if any.

: To call on the phone.

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

3. eDestination

With the eDestination feature, you can go online, via the Lexus.com owner's Web site, to select and organize destinations of your choice and then wirelessly send them to your vehicle's navigation system. You can store up to 200 locations online to access and update at any time.

- Your locations can be organized into up to 20 personalized folders.

INFORMATION

- You must first go online at www.lexus.com/drivers/ to view the Owners site where you will need to register and log in. After this, you can create your personalized folders containing the locations you wish to send to your vehicle. (See Lexus Enform with Safety Connect Guide for more information.)

DOWNLOAD eDestinations

After updating your eDestination folders online, you will need to download the information to update the data in the vehicle.

- 1 Press the "DEST" button.



- 2 Touch "Point of Interest".



6

LEXUS ENFORM WITH SAFETY CONNECT

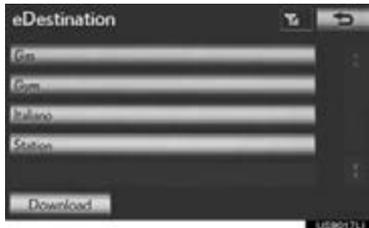
2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

3 Touch “eDestination”.



● “eDestination” screen is displayed on the screen.

4 Touch “Download”.



5 Touch “Yes” to confirm or “No” to cancel download.

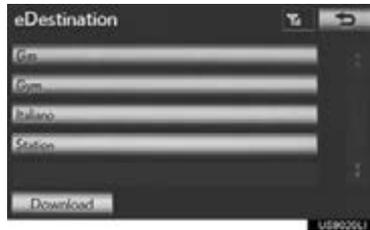


● When “Yes” is touched, your most recent online eDestination data will be loaded to the navigation system.

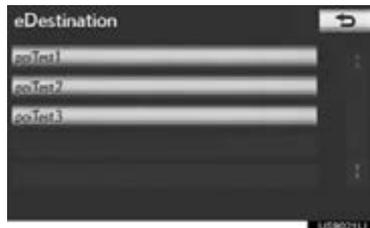


RETRIEVE AN eDestination

- 1 Press the “DEST” button.
- 2 Touch “Point of Interest” on the “Destination” screen.
- 3 Touch “eDestination” on the “Point of Interest” screen.
- 4 Touch the desired eDestination folder.



- 5 Touch the desired location.



- 6 Touch the button of the screen for the appropriate action.



“Mark”: To mark the POI on the navigation map.

“Map”: To display the POI on the navigation map.

“Go”: To set the POI as a destination with route directions.

“Detail”: To read the POI notes you entered online, if any.

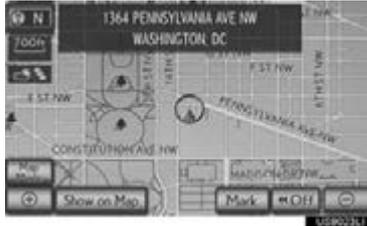
: To call on the phone.

6

LEXUS ENFORM WITH SAFETY CONNECT

SHOW eDestination ICONS

1 Touch "Show on Map".



2 Touch "eDestination Icons".



● "eDestination Icons" indicator is highlighted.

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

4. Lexus Insider

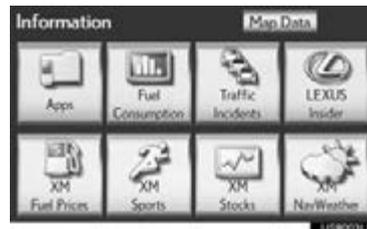
Lexus Insider is an optional service that can send audio messages, or articles, to participating owners' vehicles via the navigation system. Potential Lexus Insider subjects might include, for example, Lexus vehicle technology tips, updates on regional Lexus events, or audio excerpts from Lexus Magazine articles. Up to 20 articles can be stored at a time. You may opt out of receiving Lexus Insider messages at any time. (See page 195.)

VIEW AND PLAY RECEIVED Lexus Insider MESSAGES

- 1 Press the "INFO" button.



- 2 Touch "LEXUS Insider".



- "LEXUS Insider" screen is displayed on the screen.

- 3 Touch the desired article title from the Lexus Insider menu to play that broadcast or touch "Read All" to listen to all stored Lexus Insider broadcasts.



- When you touch "Read All", "Stop" is displayed. To stop listening to the broadcast, touch "Stop".
- To disrupt the audio read of Lexus Insider, press the "MODE" switch on the steering wheel or press "AUDIO" button on the audio system.

6

LEXUS ENFORM WITH SAFETY CONNECT

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

ABOUT ICONS

- Icons appear at the left of the Lexus Insider story titles and indicate the following:

Icon	Article
	Unread article
	Previously read article
	Article with downloadable Point of Interest (POI)

LISTEN TO ANOTHER ARTICLE

- 1 After touching an individual article, you can then touch **“Next”** or **“Previous”** to listen to another article.



- You can also use the “^” or “v” switch on the steering wheel to move to the previous or next article.
- To stop listening to the broadcast, touch **“Stop”** or press **“PWR-VOL”** knob on the audio system.

DOWNLOAD A POI

Some Lexus Insider stories will contain a downloadable POI relevant to the content.

- 1 If it contains a POI, you can touch **“Enter”** to download it to the navigation system.
- 2 You can touch the **“Go to”** button to set the POI as a destination with route directions.



DELETE Lexus Insider ARTICLE

- 1 Touch **"Delete"** on the "LEXUS Insider" screen.



- 2 Touch the individual article title that you would like to delete or **"Select All"**.



- 3 Touch **"Delete"**.
- 4 Touch **"Yes"**.

NEW MESSAGE NOTIFICATION

When the vehicle is first powered on and a new Lexus Insider article is available, a notification will appear on the navigation screen.

The notice will appear for only approximately 6 seconds unless you choose one of the options listed.

- 1 When the new message notification appears, you can touch any of the following options.



"Listen Now":

Plays newly received Lexus Insider article(s).

"Listen Later":

Removes notification screen without playing articles. Notification will be displayed again when the vehicle is next powered on.

6

LEXUS ENFORM WITH SAFETY CONNECT

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

Lexus Insider SETTINGS

To change Lexus Insider settings, notification, and opt in or out of article receipt.

- 1 Press the "SETUP" button.



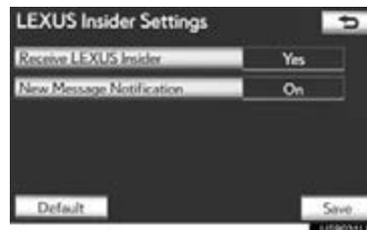
- 2 Touch "Other".



- 3 Touch "LEXUS Insider".



- 4 "LEXUS Insider Settings" screen is displayed on the screen.

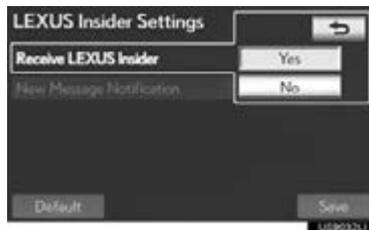


- Please refer to the following pages for each setting.

2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

RECEIVE/OPT OUT OF Lexus Insider

- 1 Touch **"Receive LEXUS Insider"**.
- 2 Touch **"Yes"** to receive Lexus Insider articles or **"No"** to opt out of receiving articles.



- 3 Touch **"Save"**.

NEW MESSAGE NOTIFICATION

Automatic notification of new Lexus Insider articles is available and is the default setting.

- 1 Touch **"New Message Notification"**.
- 2 Touch **"On"** or **"Off"**.



- 3 Touch **"Save"**.

6

LEXUS ENFORM WITH SAFETY CONNECT

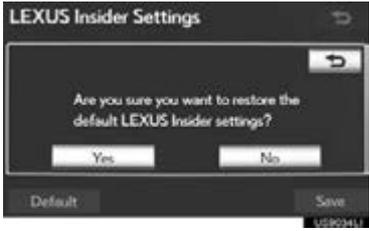
2. LEXUS ENFORM WITH SAFETY CONNECT OPERATION

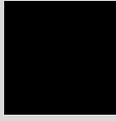
RESTORE THE DEFAULT Lexus Insider SETTINGS

1 Touch "Default".



2 Touch "Yes" to confirm or "No" to cancel.





INDEX

1

2

3

4

5

6



ALPHABETICAL INDEX

A

Adding destinations.....	89
Address book.....	105
Address book entries	105

B

Basic function.....	28
Brightness.....	33

C

Clock settings	48
Color.....	51
Command list.....	143
Contrast	33
Current position calibration.....	121
Current position display	35

D

Deleting destinations.....	90
Deleting personal data	55
Deleting previous destinations.....	114
Deleting set destinations.....	77
DEST button.....	10
“Destination” screen	20
Destination search.....	60
By “Address”	62
By “Address Book”	72
By “Coordinates”	76
By “Destination Assist”	71
By “Emergency”	73
By home	61
By “Intersection & Freeway”	73
By “Map”	76
By “Point of Interest”	65
By preset destinations.....	61
By “Previous Destinations”	72
Selecting the search area	60
Detailed navigation settings	116
Detour setting.....	91
Distance and time to destination	88

E

Emergency.....	73
Expanded voice commands	142

F

Foot print map	43
Function index.....	18

G

General settings	46
GPS (Global Positioning System)	10, 130



H

Heading-up screen 44
Home12, 17, 61, 101

I

INFO button10
Information 148
"Information" screen..... 24
Inputting letters and numbers..... 30

K

Keyboard layout.....51

L

Language 50
Lexus Enform with Safety Connect170
 Apps180
 Destination Assist.....187
 eDestination.....189
 Lexus Insider.....193
Limitations of the navigation system 130
List screen operation.....30

M

Manual clock setting 49
Map.....76
Map database information
 and updates.....204
Map database version and
 coverage area 148
Map icons..... 45
Map scale..... 43
MAP/VOICE button.....10

N

Natural speech information140
Navigation system..... 60
North-up screen44

O

Operation flow: Guiding the route..... 16
Orientation of the map.....44
Overview button and guidance screen 10

P

Pausing guidance95
POI icons96
Point of Interest65
Preset destinations..... 14, 61
Previous destinations.....72

Q

Quick guide10
Quick reference20

R

Registering home 12
Registering preset destinations..... 14
Reordering destinations89
Resuming guidance.....95
Route guidance78
Route guidance screen82
Route overview92
Route preference93
Route trace.....99



ALPHABETICAL INDEX

S

Screen adjustment	33
Screen Off	33
Screen scroll operation	35
Screen settings adjustment	33
Screens for navigation settings	116
Setting home as the destination	17
Setting up the "Address Book"	105
Setting up the "Areas to Avoid"	110
Setting up the "Home"	101
Setting up the "Preset Destinations"	103
SETUP button	10
"Setup" screen	22
Show on map	96
Standard map icons	45
Starting route guidance	78
Steering switches	134
Switching the screens	40

T

Time zone	49
Tire change calibration	121
Touch screen operation	29
Traffic incidents	165
Typical voice guidance prompts	85

V

Vehicle settings	124
Maintenance	124
Vehicle customization	129
Voice command system	134
Steering switches for the voice command system	134
Voice settings	56
Voice volume	57

X

XM Fuel Prices	159
Show XM Fuel Prices information	159
View detailed fuel price information	159
XM Fuel Prices settings	160
XM NavTraffic®	165
Show traffic event	165
Show XM Navtraffic® information	166
XM NavWeather™	162
Show XM NavWeather™ information	162
Weather information	163
Weather warnings	164
XM NavWeather™ indicator	164
XM settings	168
XM Sports	153
Receive sports information	153
XM Sports settings	154
XM Stocks	156
Receive stock data	156
XM Stocks settings	157

Z

Zoom in button	10
Zoom out button	10



Map database information and updates

This system uses the maps of DENSO.

END USER LICENSE AGREEMENT

PLEASE READ THIS AGREEMENT CAREFULLY BEFORE USING THE NAVIGATION SYSTEM

THIS IS A LICENSE AGREEMENT FOR YOUR COPY OF THE SPATIAL MAP DATABASE, INCLUDING LOCATION CODES AND RELATED PRODUCTS (COLLECTIVELY, THE "DATABASE"), USED IN THE NAVIGATION SYSTEM. BY USING THE NAVIGATION SYSTEM AND THE DATABASE, YOU ACCEPT AND AGREE TO BE BOUND BY ALL TERMS AND CONDITIONS SET FORTH BELOW.

LICENSE GRANT

DENSO CORPORATION ("DENSO"), as a licensed distributor of the DATABASE, grants to you a non-exclusive, non-perpetual license to use your copy of the DATABASE for your personal use or for your use in your business' internal operations and not for any other purpose. This license does not include the right to grant sub-licenses.

OWNERSHIP

The DATABASE and the copyrights and intellectual property and neighboring rights therein are owned by Tele Atlas North America, Inc. ("TANA") and its licensors. This Agreement does not transfer any title or interest in the DATABASE, except for the license to use the DATABASE according and subject to the terms and conditions of this Agreement. You shall not alter, obscure or remove any copyright notices, trademark notices or other restrictive legends relating to the DATABASE.

The DATABASE comprises confidential and proprietary information and materials of TANA. Accordingly, you shall hold the DATABASE in confidence and trust. You shall take reasonable steps to protect the DATABASE from misappropriation or misuse. You shall not extract stand-alone data from or publish any part of the DATABASE without the prior written consent of TANA and its licensors.

LIMITATIONS ON USE

The DATABASE is restricted for use in the specific system for which it was created. Except to the extent explicitly permitted by mandatory laws, you may not extract or reutilize any portion of the contents of the DATABASE, nor reproduce, copy, duplicate, modify, adapt, translate, disassemble, decompile, or reverse engineer any portion of the DATABASE.

TRANSFER

You may not transfer the DATABASE to third parties, except together with the system for which it was created, provided that you do not retain any copy of the DATABASE, and provided that the transferee agrees to all terms and conditions of this AGREEMENT.

DISCLAIMER OF WARRANTY

THE DATABASE IS PROVIDED ON AN "AS IS" AND "WITH ALL FAULTS BASIS" AND DENSO AND TANA (AND THEIR LICENSORS AND SUPPLIERS) EXPRESSLY DISCLAIM ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, SATISFACTORY QUALITY, ACCURACY, TITLE AND FITNESS FOR A PARTICULAR PURPOSE. NO ORAL OR WRITTEN ADVICE OR INFORMATION PROVIDED BY DENSO OR TANA (OR ANY OF THEIR LICENSORS, AGENTS, EMPLOYEES OR THIRD PARTY PROVIDERS) SHALL CREATE A WARRANTY, AND YOU ARE NOT ENTITLED TO RELY ON ANY SUCH ADVICE OR INFORMATION. THIS DISCLAIMER OF WARRANTIES IS AN ESSENTIAL CONDITION OF THIS AGREEMENT.

LIMITATION OF LIABILITY

IN NO EVENT SHALL DENSO OR TANA (OR THEIR LICENSORS OR SUPPLIERS) BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR EXEMPLARY DAMAGES ARISING OUT OF THIS AGREEMENT OR YOUR USE OF THE DATABASE, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR COSTS OF COVER, LOSS OF USE OR BUSINESS INTERRUPTION OR THE LIKE, REGARDLESS OF WHETHER THE PARTY WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

IN NO EVENT WILL THE TOTAL LIABILITY OF DENSO OR TANA (OR THEIR LICENSORS OR SUPPLIERS) EXCEED THE AMOUNTS PAID BY YOU FOR THE DATABASE.

WARNINGS

The DATABASE comprises facts and information from government and other sources reflecting circumstances in existence before you received the DATABASE, which may contain errors and omissions. Accordingly, the DATABASE may contain inaccurate or incomplete information due to the passage of time, changing circumstances, and due to the nature of the sources used. The DATABASE does not include or reflect information relating to, among other things, neighborhood safety; law enforcement; emergency assistance; construction work; road or lane closures; vehicle or speed restrictions; road slope or grade; bridge height, weight or other limits; road or traffic conditions; special events; traffic congestion; or travel time.

U.S. GOVERNMENT RIGHTS

If you are an agency, department, or other entity of the United States Government, or funded in whole or in part by the United States Government, then use, duplication, reproduction, release, modification, disclosure or transfer of this commercial product and accompanying documentation, is restricted in accordance with the LIMITED or RESTRICTED rights as described in DFARS 252.227-7014(a)(1) (JUN 1995) (DOD commercial computer software definition), DFARS 227.7202-1 (DOD policy on commercial computer software), FAR 52.227-19 (JUN 1987) (commercial computer software clause for civilian agencies), DFARS 252.227-7015 (NOV 1995) (DOD technical data - commercial items clause); FAR 52.227-14 Alternates I, II, and III (JUN 1987) (civilian agency technical data and noncommercial computer software clause); and/or FAR 12.211 and FAR 12.212 (commercial item acquisitions), as applicable. In case of conflict between any of the FAR and DFARS provisions listed herein and this Agreement, the construction that provides greater limitations on the Government's rights shall control.

Contractor/manufacture is Tele Atlas North America, Inc., 11 Lafayette Street, Lebanon, NH 03766-1445. Phone: 603.643. 0330. The DATABASE is made by Tele Atlas North America, Inc. ALL RIGHTS RESERVED. For purpose of any public disclosure provision under any federal, state or local law, it is agreed that the DATABASE is a trade secret and a proprietary commercial product and not subject to disclosure.

If you are an agency, department, or other entity of any State government, the United States Government or any other public entity or funded in whole or in part by the United States Government, then you hereby agree to protect the DATABASE from public disclosure and to consider the DATABASE exempt from any statute, law, regulation, or code, including any Sunshine Act, Public Records Act, Freedom of Information Act, or equivalent, which permits public access and/or reproduction or use of the Licensed Products. In the event that such exemption is challenged under any such laws, this Agreement shall be considered breached and any and all right to retain any copies or to use of the DATABASE shall be terminated and considered immediately null and void. Any copies of the DATABASE held by you shall immediately be destroyed.

If any court of competent jurisdiction considers this clause void and unenforceable, in whole or in part, for any reason, this Agreement shall be considered terminated and null and void, in its entirety, and any and all copies of the DATABASE shall immediately be destroyed.

END-USER TERMS

The data ("Data") is provided for your personal, internal use only and not for resale. It is protected by copyright, and is subject to the following terms and conditions which are agreed to by you, on the one hand, and DENSO CORPORATION ("DENSO") and its licensors (including their licensors and suppliers) on the other hand.

© 2009* NAVTEQ. All rights reserved.

* original publication date

NAVTEQ holds a non-exclusive license from the United States Postal Service® to publish and sell ZIP+4® information.

©United States Postal Service® 2009*. Prices are not established, controlled or approved by the United States Postal Service®. The following trademarks and registrations are owned by the USPS: United States Postal Service, USPS, and ZIP+4.
*original publication date

TERMS AND CONDITIONS

Personal Use Only. You agree to use this Data together with vehicle navigation system for the solely personal, non-commercial purposes for which you were licensed, and not for service bureau, time-sharing or other similar purposes. Accordingly, but subject to the restrictions set forth in the following paragraphs, you may copy this Data only as necessary for your personal use to (i) view it, and (ii) save it, provided that you do not remove any copyright notices that appear and do not modify the Data in any way. You agree not to otherwise reproduce, copy, modify, decompile, disassemble or reverse engineer any portion of this Data, and may not transfer or distribute it in any form, for any purpose, except to the extent permitted by mandatory laws. Multi-disc sets may only be transferred or sold as a complete set as provided by DENSO and not as a subset thereof.

Restrictions. Except where you have been specifically licensed to do so by DENSO, and without limiting the preceding paragraph, you may not (a) use this Data with any products, systems, or applications installed or otherwise connected to or in communication with vehicles, capable of vehicle navigation, positioning, dispatch, real time route guidance, fleet management or similar applications; or (b) with or in communication with any positioning devices or any mobile or wireless-connected electronic or computer devices, including without limitation cellular phones, palmtop and handheld computers, pagers, and personal digital assistants or PDAs.

Warning. The Data may contain inaccurate or incomplete information due to the passage of time, changing circumstances, sources used and the nature of collecting comprehensive geographic data, any of which may lead to incorrect results.

No Warranty. This Data is provided to you "as is," and you agree to use it at your own risk. DENSO and its licensors (and their licensors and suppliers) make no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, usefulness, use or results to be obtained from this Data, or that the Data or server will be uninterrupted or error-free.

Disclaimer of Warranty: DENSO AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) DISCLAIM ANY WARRANTIES, EXPRESS OR IMPLIED, OF QUALITY, PERFORMANCE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. Some States, Territories and Countries do not allow certain warranty exclusions, so to that extent the above exclusion may not apply to you.

Disclaimer of Liability: DENSO AND ITS LICENSORS (INCLUDING THEIR LICENSORS AND SUPPLIERS) SHALL NOT BE LIABLE TO YOU: IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES, DIRECT OR INDIRECT, WHICH MAY RESULT FROM THE USE OR POSSESSION OF THE INFORMATION; OR FOR ANY LOSS OF PROFIT, REVENUE, CONTRACTS OR SAVINGS, OR ANY OTHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF YOUR USE OF OR INABILITY TO USE THIS INFORMATION, ANY DEFECT IN THE INFORMATION, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF DENSO OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some States, Territories and Countries do not allow certain liability exclusions or damages limitations, so to that extent the above may not apply to you.

Export Control. You agree not to export from anywhere any part of the Data provided to you or any direct product thereof except in compliance with, and with all licenses and approvals required under, applicable export laws, rules and regulations.

Entire Agreement. These terms and conditions constitute the entire agreement between DENSO (and its licensors, including their licensors and suppliers) and you pertaining to the subject matter hereof, and supersedes in their entirety any and all written or oral agreements previously existing between us with respect to such subject matter.

Governing Law. The above terms and conditions shall be governed by the laws of the State of Illinois, without giving effect to (i) its conflict of laws provisions, or (ii) the United Nations Convention for Contracts for the International Sale of Goods, which is explicitly excluded. You agree to submit to the jurisdiction of the State of Illinois for any and all disputes, claims and actions arising from or in connection with the Data provided to you hereunder.

Government End Users. If the Data is being acquired by or on behalf of the United States government or any other entity seeking or applying rights similar to those customarily claimed by the United States government, this Data is a "commercial item" as that term is defined at 48 C.F.R. ("FAR") 2.101, is licensed in accordance with these End-User Terms, and each copy of Data delivered or otherwise furnished shall be marked and embedded as appropriate with the following "Notice of Use," and shall be treated in accordance with such Notice:

NOTICE OF USE
CONTRACTOR
(MANUFACTURER/SUPPLIER)
NAME: NAVTEQ
CONTRACTOR
(MANUFACTURER/SUPPLIER)
ADDRESS: 425 West Randolph
Street, Chicago, Illinois 60606
This Data is a commercial item as defined in FAR 2.101 and is subject to these End-User Terms under which this data was provided.
© 2009* NAVTEQ - All rights reserved. *original publication date

If the Contracting Officer, federal government agency, or any federal official refuses to use the legend provided herein, the Contracting Officer, federal government agency, or any federal official must notify NAVTEQ prior to seeking additional or alternative rights in the Data.

END USER NOTICE
PLEASE READ THIS NOTICE CAREFULLY BEFORE USING THIS NAVIGATION SYSTEM

The Point Of Interest Data ("POI" Data) in the navigation system is in part provided by Infogroup Inc. ("Infogroup"). By using the POI Data, you accept and agree to all terms and conditions set forth below.

1. Ownership
All rights, title and interest to the Infogroup POI Data shall be retained by Infogroup.
2. Limitations on use
Except to the extent explicitly permitted by mandatory laws, you may not extract or re-utilize any portion of the contents of the POI Data, nor reproduce, copy, modify, adapt, translate, disassemble, decompile, or reverse engineer any portion of the POI Data.
3. Transfer
You may not transfer the POI Data to third parties, except together with the system for which it was created, provided that you do not retain any copy of the POI Data.

4. Disclaimer of warranty

EXCEPT AS STATED HEREIN, INFOGROUP MAKES NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR WARRANTY OF MERCHANTABILITY.

5. Limitation of Liability

EITHER INFOGROUP OR SUPPLIER OF POI DATA SHALL NOT BE LIABLE FOR ANY INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES MADE OR ALLEGED IN CONNECTION WITH YOUR USE OF THE POI DATA.

END USER LICENSE AGREEMENT

Personal Use Only. You agree to use this information for solely personal, non-commercial purposes, and not for service bureau, time-sharing or other similar purposes. You may not modify the information or remove any copyright notices that appear on the information in any way. You may not decompile, disassemble or reverse engineer any portion of this information, and may not transfer or distribute it in any form, for any purpose. Without limiting the foregoing, you may not use this information with any products, systems, or applications installed or otherwise connected to or in communication with vehicles, capable of vehicle navigation, positioning, dispatch, real time route guidance, fleet management or similar applications.

No Warranty. This information is provided to you "as is," and you agree to use it at your own risk. DENSO and its licensors (and their licensors and suppliers, collectively "DENSO") make no guarantees, representations or warranties of any kind, express or implied, arising by law or otherwise, including but not limited to, and DENSO expressly disclaims any warranties regarding content, quality, accuracy, completeness, effectiveness, reliability, fitness for a particular purpose, non-infringement, usefulness, use or results to be obtained from this information, or that the information or server will be uninterrupted or error-free. Some states, territories and countries do not allow certain warranty exclusions, so to that extent, the above exclusion may not apply to you.

Disclaimer of Liability: DENSO SHALL NOT BE LIABLE TO YOU FOR ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF ITS NATURE, ALLEGING ANY LOSS, INJURY OR DAMAGES, WHETHER DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING ANY LOSS OF PROFIT, REVENUE OR CONTRACTS ARISING OUT OF YOUR POSSESSION, USE OF OR INABILITY TO USE THIS INFORMATION, ANY DEFECT IN THE INFORMATION, OR THE BREACH OF THESE TERMS OR CONDITIONS, WHETHER IN AN ACTION IN CONTRACT OR TORT OR BASED ON A WARRANTY, EVEN IF DENSO OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some states, territories and countries do not allow certain liability exclusions or damages limitations, so to that extent the above may not apply to you.

Indemnity. You agree to indemnify, defend and hold DENSO and its licensors (including their respective licensors, suppliers, assignees, subsidiaries, affiliated companies, and the respective officers, directors, employees, shareholders, agents and representatives of each of them) free and harmless from and against any liability, loss, injury (including injuries resulting in death), demand, action, cost, expense, or claim of any kind or character, including but not limited to attorney's fees, arising out of or in connection with any use or possession by you of this information.

END USER NOTICE

The marks of companies displayed by this product to indicate business locations are the marks of their respective owners. The use of such marks in this product does not imply any sponsorship, approval, or endorsement by such companies of this product.

Open source license

This product uses the following open source software.

· T-Kernel

This Product uses the Source Code of T-Kernel under T-License granted by the T-Engine Forum (www.t-engine.org).

· C Library

This product includes software developed by the University of California, Berkeley and its contributors. This product includes software developed by the University of California, Lawrence Berkeley Laboratory.

Copyright © 1982, 1985, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1982, 1986, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1982, 1986, 1989, 1993 The Regents of the University of California. All rights reserved.

© UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

Copyright © 1982, 1986, 1991, 1993, 1994 The Regents of the University of California. All rights reserved.

© UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

Copyright © 1983, 1990, 1993 The Regents of the University of California. All rights reserved.

© UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

Copyright © 1983, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1987, 1991, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1987, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1988 Regents of the University of California. All rights reserved.

Copyright © 1988 University of Utah.

Copyright © 1992, 1993 The Regents of the University of California. All rights reserved. This code is derived from software contributed to Berkeley by the Systems Programming Group of the University of Utah Computer Science Department and Ralph Campbell.

Copyright © 1988, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1988, 1993 The Regents of the University of California. All rights reserved. This code is derived from software contributed to Berkeley by Arthur David Olson of the National Cancer Institute.

Copyright © 1989 The Regents of the University of California. All rights reserved.

Copyright © 1989 The Regents of the University of California. All rights reserved.

© UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

Copyright © 1989, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1989, 1993 The Regents of the University of California. All rights reserved.

© UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

Copyright © 1990, 1993 The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Chris Torek.

Copyright © 1991, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1991, 1993 The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Berkeley Software Design, Inc.

Copyright © 1992, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1992, 1993 The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Ralph Campbell.

Copyright © 1992, 1993 The Regents of the University of California. All rights reserved.

© UNIX System Laboratories, Inc. All or some portions of this file are derived from material licensed to the University of California by American Telephone and Telegraph Co. or Unix System Laboratories, Inc. and are reproduced herein with the permission of UNIX System Laboratories, Inc.

Copyright © 1992, 1993 The Regents of the University of California. All rights reserved.

This software was developed by the Computer Systems Engineering group at Lawrence Berkeley Laboratory under DARPA contract BG 91-66 and contributed to Berkeley. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Lawrence Berkeley Laboratory.

Copyright © 1992, 1993 The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Ralph Campbell. This file is derived from the MIPS RISC Architecture book by Gerry Kane.

Copyright © 1993 The Regents of the University of California. All rights reserved.

Copyright © 1994 The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Andrew Hume of AT&T Bell Laboratories. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 1982, 1986 Regents of the University of California. All rights reserved.

Copyright © 1983, 1990, 1993 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Portions Copyright © 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED "AS IS" AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright © 1982, 1986, 1990, 1993
The Regents of the University of
California. All rights reserved.

Copyright © 1983, 1993 The Regents
of the University of California. All rights
reserved.

Copyright © 1990, 1993 The Regents
of the University of California. All rights
reserved.

Redistribution and use in source and
binary forms, with or without
modification, are permitted provided
that the following conditions are met:

1. Redistributions of source code must
retain the above copyright notice, this
list of conditions and the following
disclaimer.
2. Redistributions in binary form must
reproduce the above copyright notice,
this list of conditions and the following
disclaimer in the documentation and/or
other materials provided with the
distribution.
3. Neither the name of the University
nor the names of its contributors may be
used to endorse or promote products
derived from this software without
specific prior written permission.

THIS SOFTWARE IS PROVIDED BY
THE REGENTS AND
CONTRIBUTORS "AS IS" AND ANY
EXPRESS OR IMPLIED
WARRANTIES, INCLUDING, BUT
NOT LIMITED TO, THE IMPLIED
WARRANTIES OF
MERCHANTABILITY AND FITNESS
FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT
SHALL THE REGENTS OR
CONTRIBUTORS BE LIABLE FOR
ANY DIRECT, INDIRECT,
INCIDENTAL, SPECIAL,
EXEMPLARY, OR
CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED
TO, PROCUREMENT OF
SUBSTITUTE GOODS OR
SERVICES; LOSS OF USE, DATA,
OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER
CAUSED AND ON ANY THEORY
OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR
TORT (INCLUDING NEGLIGENCE
OR OTHERWISE) ARISING IN ANY
WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH
DAMAGE.

This product includes software developed by the NetBSD Foundation, Inc. and its contributors.

Copyright © 1996 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by J.T. Conklin.

Copyright © 1997 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Klaus Klein.

Copyright © 1997, 1998 The NetBSD Foundation, Inc. All rights reserved.

Copyright © 1997,98 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by J.T. Conklin.

Copyright © 1997, 1998 The NetBSD Foundation, Inc. All rights reserved.

This code was contributed to The NetBSD Foundation by Klaus Klein.

Copyright © 1998 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Klaus Klein.

Copyright © 1998, 2000 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Klaus J. Klein.

Copyright © 1999, 2000 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Julian Coleman.

Copyright © 2000 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Dieter Baron and Thomas Klausner.

Copyright © 2000, 2001 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Jun-ichiro itojun Hagino and by Klaus Klein.

Copyright © 2001 The NetBSD Foundation, Inc. All rights reserved.

This code is derived from software contributed to The NetBSD Foundation by Klaus Klein.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the NetBSD Foundation, Inc. and its contributors.
4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes software developed by Christos Zoulas.

Copyright © 1997 Christos Zoulas. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by Christos Zoulas.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes software developed by Winning Strategies, Inc.
Copyright © 1994 Winning Strategies, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by Winning Strategies, Inc.
4. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 1995, 1996, 1997, and 1998 WIDE Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright ©1999 Citrus Project, All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 1995 Carnegie-Mellon University. All rights reserved. Author: Chris G. Demetriou

Copyright © 1995, 1996 Carnegie-Mellon University. All rights reserved. Author: Chris G. Demetriou

Permission to use, copy, modify and distribute this software and its documentation is hereby granted, provided that both the copyright notice and this permission notice appear in all copies of the software, derivative works or modified versions, and any portions thereof, and that both notices appear in supporting documentation.

CARNEGIE MELLON ALLOWS FREE USE OF THIS SOFTWARE IN ITS "AS IS" CONDITION. CARNEGIE MELLON DISCLAIMS ANY LIABILITY OF ANY KIND FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THIS SOFTWARE.

Carnegie Mellon requests users of this software to return to Software Distribution Coordinator or Software.Distribution@CS.CMU.EDU School of Computer Science Carnegie Mellon University Pittsburgh PA 15213-3890 any improvements or extensions that they make and grant Carnegie the rights to redistribute these changes.

· TCP/IP, Socket Library

This product includes software developed by the University of California, Berkeley and its contributors.

Copyright © 1980, 1983, 1988, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1983, 1987, 1989 The Regents of the University of California. All rights reserved.

Copyright © 1983, 1989, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1985, 1988, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1985, 1993 The Regents of the University of California. All rights reserved.

Copyright © 1989, 1993, 1995 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2004 by Internet Systems Consortium, Inc. ("ISC")
Portions Copyright © 1996-1999 by Internet Software Consortium.
Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED “AS IS” AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Portions Copyright © 1993 by Digital Equipment Corporation.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies, and that the name of Digital Equipment Corporation not be used in advertising or publicity pertaining to distribution of the document or software without specific, written prior permission.

THE SOFTWARE IS PROVIDED “AS IS” AND DIGITAL EQUIPMENT CORP. DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL DIGITAL EQUIPMENT CORPORATION BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

This product includes software developed by WIDE Project and its contributors.

Portions Copyright © 1995, 1996, 1997, and 1998 WIDE Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: This product includes software developed by WIDE Project and its contributors.
4. Neither the name of the project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE PROJECT AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 1988 Stephen Deering.

Copyright © 1982, 1986 Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. [rescinded 22 July 1999]
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 1982, 1986, 1988
Regents of the University of California.
All rights reserved.

Redistribution and use in source and binary forms are permitted provided that the above copyright notice and this paragraph are duplicated in all such forms and that any documentation and other materials related to such distribution and use acknowledge that the software was developed by the University of California, Berkeley. The name of the University may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Rights, responsibilities and use of this software are controlled by the agreement found in the "LICENSE.H" file distributed with this source code. "LICENSE.H" may not be removed from this distribution, modified, enhanced nor references to it omitted.

Copyright 1983 by the Massachusetts Institute of Technology

Copyright 1984 by the Massachusetts Institute of Technology

Copyright 1984, 1985 by the Massachusetts Institute of Technology

Copyright 1990 by NetPort Software

Copyright 1990-1993 by NetPort Software.

Copyright 1990-1994 by NetPort Software.

Copyright 1990-1996 by NetPort Software.

Copyright 1990-1997 by NetPort Software.

Copyright 1993 by NetPort Software

Copyright 1986 by Carnegie Mellon

All Rights Reserved

Permission to use, copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of CMU not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

· OpenSSL

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit.

(<http://www.openssl.org/>) This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

OpenSSL License

Copyright © 1998-2008 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. All advertising materials mentioning features or use of this software must display the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

Copyright © 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (eay@cryptsoft.com). The implementation was written so as to conform with Netscape's SSL. This library is free for commercial and non-commercial use as long as the following conditions are adhered to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com). Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (eay@cryptsoft.com)" The word 'cryptographic' can be left out if the routines from the library being used are not cryptographic related :-).
4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence [including the GNU Public Licence.