

## ■ FUNCTION

### 1. General

The main functions of the multi display are shown below.

Main Function		Outline
Navigation Screen (See page BE-100)		Through the use of the GPS (Global Positioning System) and map data, which is stored on a DVD, the navigation system analyzes the position of the vehicle and indicates that position on the map displayed on this screen.
Audio/Video System		Displays the following two operations: <ul style="list-style-type: none"> <li>• Radio Operation</li> <li>• DVD Changer Operation</li> </ul>
Air Conditioner		The operation and control of the air conditioner system can be performed through the use of the automatic air conditioner display on the multi display and the touch switches that appear on this display.
Parking Assist Monitor System		To assist the driver in parking the vehicle, the monitor displays a view of the area behind the vehicle, captured by the television camera assembly mounted on the luggage compartment door, along with parking guide lines. This monitor comes on when the shift lever is moved to the reverse position. For details, see page BE-109.
LEXUS Parking Assist-sensor System (Different optional setting)		Detects obstacles and displays the information on the multi display to inform the driver. For details, see page BE-131.
Others	Maintenance Information	Can be used to inform the driver of inspection or replacement timing of the following items based on the calendar function and vehicle speed signal. <b>Engine Oil:</b> Replace engine oil <b>Oil Filter:</b> Replace engine oil filter <b>Rotation:</b> Rotate tires <b>Tire:</b> Replace tires <b>Battery:</b> Replace battery <b>Brake Pad:</b> Replace brake linings <b>Wiper:</b> Replace wiper blades <b>LLC:</b> Replace engine coolant <b>Brake Oil:</b> Replace brake fluid <b>ATF:</b> Replace ATF <b>Service:</b> Scheduled maintenance <b>Air Filter:</b> Replace air filter <b>Personal:</b> New information items can be created in addition to those provided.
	Calendar with Memo	It is possible to enter memos for particular dates on the calendar.
	Hands-free (See page BE-102)	When a Bluetooth-compatible cellular telephone is registered to the multi display, the user can make and receive calls or talk hands-free on the cellular telephone by operating the switches on the screen or the steering pad.
	Speech Command System	Operates the navigation, audio, and air conditioner systems based on voice commands. However, only English, German and French can be recognized by this function.
	Help Screen	The help screen displays the voice command list and operation guide.
	Screen Adjustment	The brightness or contrast of the screen can be adjusted to suit the brightness of the surroundings.

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Main Function		Outline
Others	Screen Setting	The following screen settings are available: <b>Automatic transition:</b> Automatically returns to the navigation screen from the audio screen or A/C screen. <b>Switch Color:</b> The color of the touch-screen buttons can be selected.
	Beep Setting	Beep sound off.
	Select Language	The language used for the touch-screen buttons, pop-up messages and voice guidance can be changed. English, German, French, Dutch, Italian, Danish, Swedish, Spanish, Portuguese and Norwegian are available.
	Delete Personal Data	The following personal data can be deleted or returned to their default settings: <ul style="list-style-type: none"> <li>• Maintenance conditions</li> <li>• Maintenance information “off” setting</li> <li>• Memory points</li> <li>• Areas to avoid</li> <li>• Previous points</li> <li>• Route trace</li> <li>• User selection settings</li> <li>• Phonebook data</li> <li>• Dialed numbers and received calls</li> <li>• Speed dial</li> <li>• Bluetooth phone data</li> <li>• Security code</li> </ul>
Diagnosis	This contains the following items: <ul style="list-style-type: none"> <li>• Service Check</li> <li>• Display Check</li> <li>• Navigation Check</li> <li>• Camera Check</li> <li>• Bluetooth TEL Check</li> </ul>	

## 2. Navigation Screen

The multi-media module navigation assembly (navigation ECU) calculates the present position, direction of travel, and distance the vehicle has driven based on the following information sources. This information is displayed on the multi display.

- DVD map data
- GPS (Global Positioning System) satellites
- Built-in gyro sensor
- Vehicle speed signal

The functions of the navigation screen display are shown below.

	Item	Function
Map Display	Linear Touch Scroll	Enables smooth scrolling of the screen. The map will scroll in the direction of the point at which it is touched.
	On-route Scroll	Scrolls the screen forward and backward constantly along the route so that the cursor is always in the center.
	Heading Up	<ul style="list-style-type: none"> <li>• Displays the map so that the direction that the route progresses faces up during route guidance.</li> <li>• Displays an enlarged map in the direction of travel of the vehicle.</li> </ul>
	Step-less Scale Display	Changes the scale of the map from the basic 13 steps to an even finer range.
	Direct Scale Change	Directly selects and displays the map scale.
	Multi-step Scale Display	Changes and displays the map scale in 13 stages.
	Split-view Display	Displays different modes on a screen that is split into two views.
	Points-of-Interest Display	Displays selected types of points of interest as marks on the map.
	Taillight-interlocked Map Color Change	Changes the color on the map screen that is displayed when the taillights are turned ON.
	Road Number Sign Board Display	Displays the road number on the map.
	Compass Mode Screen	Displays the direction of travel and detailed data on the present location.
	Map Coverage Information Display	Displays the map area that is recorded on the DVD.
	Street Name Indication on Scrolled Map	Displays the street name and the city name even when the map screen is being scrolled.
Destination Search	Last Destination Memory	Stores 20 locations of coordinates, names and times that have been set as destinations in the past.
	Hybrid Points-of-interest Search	Narrows the search by names of the points-of-interest, category, and area.
	Points-of-interest Pinpoint Display	Pinpoints and displays the position of the point-of-interest.
	House Number Search	Searches for a house number.
	Special Memory Point	Sets a pre-registered point as a destination point while driving.
	Nearest Point-of-interest Search List Display	Searches nearest points-of-interest and displays a list.

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Item		Function
Destination Search	Intersection Search	By specifying two streets, the point at which they intersect is set as the destination point.
	Motorway Entrance or Exit Search	Searches for the destination by the name of the street that connects to a motorway entrance or exit.
	Coordinate Search	Searches for a destination by latitude and longitude.
	Telephone Number Search	Searches for a facility by its telephone number.
	POI, brand icon indication	Displays the icon for a point of interest.
Route Search	Multiple Destination Setting	Sets multiple destinations. The sequence of the destinations can also be rearranged.
	Route Search	Searches for multiple routes.
	Search Condition Designation	Searches for the recommended, shortest, and other routes.
	Regulated Road Consideration	Performs a search which considers regulated roads.
	Avoidance Area	Searches for a route that avoids a designated area.
Guidance	Destination Direction Arrow Display	Function to display the direction from the current position to the destination in the case that the vehicle comes off the route during the guidance.
	Off-Route Arrow Display	Function to display the route ahead on the route guidance line in the case that the vehicle comes off the route during the guidance.
	Rotary Guidance	Provides guidance at roundabouts by means of a special voice phrase.
	Lane Guidance	Displays the lane layout on the intersection screen.
	Right or Left Turn Guidance	Voice guidance to instruct the direction of travel to be taken.
	Motorway Direction of Travel Guidance	Voice guidance to instruct the direction of travel to take on the motorway.
	Destination Distance Display	Displays the distance from the present location to the destination.
	Motorway Junction Guidance	Guidance at motorway junctions.
	Intersection Zoom-in Display	Zoom-in display when approaching an intersection.
	Estimated Arrival Time Display	Displays estimated arrival time to the user.
	Route Trace Display	Displays route trace.
	Turn List Display	Displays a turn list on the right side of the two-screen display when approaching an intersection.
	Motorway Mode Screen	Displays the distance to the next junction and exit, or POIs in the vicinity of the motorway exit.
Others	Voice Recognition	Recognizes pre-programmed system commands from the user to operate the navigation system.
	Help	When “?” is touched on the display, this function explains to the user what operation can be performed.

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### 3. Hands-free Function (Bluetooth Phone System)

The hands-free function allows the driver to make or receive a call without taking their hands off the steering wheel. This system works by connecting a cellular phone to the multi display.

- This system has the functions listed below. However, for safety, some functions may not be selectable when the vehicle is being driven.

Function		Outline
Enter a Bluetooth phone		In order to use the hands-free function of a Bluetooth phone, it is necessary to register it in the multi display. Once a phone is registered, the hands-free function becomes available automatically. Up to four Bluetooth phones can be registered.
Select the Bluetooth phone		When two or more registered Bluetooth phones are in the cabin, it is necessary to select which phone to use to prevent the lines from being crossed. Only the selected phone is available for use as a hands-free phone. The phone registered last is automatically selected.
Delete a Bluetooth phone		A registered Bluetooth phone can be unregistered from the multi display.
Call with Bluetooth phone	By dialing	The user can call by inputting a telephone number.
	By phonebook	The user can call by using phonebook data that has been transferred from the user's cellular phone. The user can register up to 1000 numbers in the phonebook.
	By dialed numbers	The user can call by selecting a telephone number previously dialed. When a number is dialed, the system will remember the last five numbers. If more than five numbers have been dialed, the oldest number is deleted.
	By received calls	The user can call by using received calls. When a call is received, the system memorizes up to five numbers. If it is over than five, the oldest number is deleted.
	By speed dial*	The user can call by using registered telephone numbers that the user selected from the phonebook, dialed numbers or received calls.
	By voice recognition (Dialing by name)	The user can call by giving a name registered in the phonebook.
	By POI (Point of Interest) call	The user can call by operating a switch when "Call" is displayed on the screen from Navigation system.
Receive with Bluetooth phone		When a call is received, the receive screen is displayed with a sound.
Talk on the Bluetooth phone		While the user is talking on the phone, the talking screen is displayed.
Change the settings of the Bluetooth phone	Registering a speed dial	The user can register the desired telephone number from the phonebook, dialed numbers or received calls. Up to 17 speed dial numbers can be registered.
	Registering a speed tone	The user can register desired tone numbers. Up to 6 speed tone numbers can be registered.
	Setting the volume	The user can set the volume.
		<b>Automatic volume settings for high speed:</b> The user can set the volume one step up when the speed is over 80 km/h (50 mph).
	<b>Initialising the settings:</b> The user can initialise the settings.	

\*: The user can operate it while driving.

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Function		Outline
Change the settings of the Bluetooth phone	Setting the screen	<b>Incoming call display:</b> The user can select the method of the incoming call display.
		<b>Auto answer:</b> When a call is received, the display automatically changes to the talking screen and the user can start to talk on the phone (without touching any switch) after a preset time.
		<b>Bluetooth connection status at startup:</b> When the user turns the Engine switch on (ACC) or on (IG) and the Bluetooth device is automatically connected, the connection check is displayed.
		<b>Initialising the settings:</b> The user can initialise the settings.
	Setting the phonebook	<b>Registering phone numbers:</b> The user can register phone numbers in the phonebook.
		<b>Transferring a telephone number:</b> The user can transfer the telephone numbers from the user's Bluetooth phone to the system. Up to 1000 data items (up to 2 numbers per entry) can be registered in the phonebook.
		<b>Registering phonebook data:</b> The user can register phonebook data.
		<b>Editing the name:</b> If no name has been inputted, the number is displayed.
		<b>Editing the phone number:</b> The user can register a phone number in "TEL1" and "TEL2" separately. Up to 2 numbers per phonebook entry can be registered.
		<b>Selecting the group:</b> The user can set a group for a contact. It will then be easier for the user to find this contact when needed, by using the grouping display.
		<b>Setting the voice recognition:</b> The user can set the voice recognition. Up to 20 numbers can be registered to allow voice recognition.
		<b>Adding data to the phonebook:</b> The user can add data to the phonebook.
		<b>Editing the data:</b> The user can edit the registered data.
		<b>Deleting the data:</b> The user can delete the data.
		<b>Deleting all the phone data:</b> The user can delete all the phone data.
		<b>Registering a group name:</b> The user can register 20 groups.
		<b>Selecting a group icon:</b> The user can select the desired icon.
		<b>Editing a group name:</b> The user can input the name with the software keyboard.
		<b>Deleting a group name:</b> The user can delete the group names individually or all at once.
		<b>Deleting the log data:</b> The user can delete the log data individually or all at once.



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Function		Outline
Change the settings of the Bluetooth phone	Setting the security	By setting the security, the user can prevent people from using some functions of the hands-free system. It is useful when the user leave their car with a hotel or valet parking or the user doesn't want others to see the data that the user has registered.
		<b>Changing the security code:</b> The security code is 4 digits and the default is "0000". Choose a new code that is hard for other people to guess.
		<b>Phonebook lock:</b> The user can set the phonebook lock.
		<b>Initialising the security code:</b> The user can initialise the settings.
Set a Bluetooth phone	Selecting a Bluetooth phone	In the case that the user registers more than one Bluetooth phone, they need to choose a favourite one. The user can select the Bluetooth phone from a maximum of 6.
	Displaying Bluetooth information	The user can see or set the information of the Bluetooth phone on the system.
	Changing a device name	The user can change a device name.
	Changing the Bluetooth settings	The user can change the display and settings of Bluetooth information on the system.
	Initialising the Bluetooth settings	The user can initialise the settings.
	Deleting a Bluetooth phone	The user can delete the selected phone.
	Displaying the information of the Bluetooth phone to be deleted	The user can display the information of the Bluetooth phone before they delete it, ensuring that the telephone they delete is the correct one.

### Service Tip

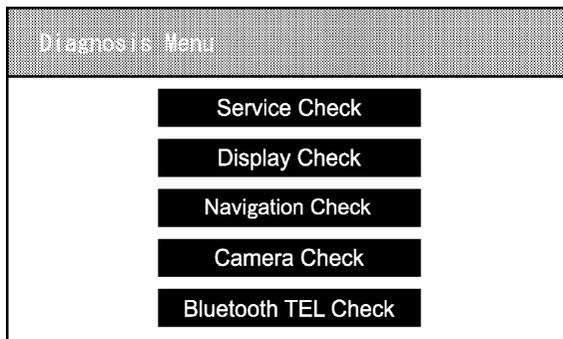
#### Enter (register) a Bluetooth Phone

1. Push the "INFO" button to display the "Information Menu" screen.
2. Touch the "Telephone" switch to display the "Telephone" screen.
3. Touch the "Settings" switch to display the "Settings" screen.
4. Touch the "Bluetooth" switch to display the "Bluetooth Settings" screen.
5. Touch the "Register" switch to connect the cellular phone to the system.
6. Input the Passkey displayed on the screen into the phone.
7. When the connection is completed, a screen is displayed.

For details, see the Navigation System Owner's Manual.

#### 4. Diagnosis Screen Display

The following check menus are included in the diagnosis screen.



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Check Mode	Detail
Service Check	Performs a system check and gathers DTC (Diagnostic Trouble Codes) in memory, and, based on their results, shows the past and present inspection results of the connected devices.
Display Check	Shows a screen for checking a specific portion of the display.
Navigation Check	Shows a screen for checking a specific portion of multi-media module navigation assembly (Navigation ECU).
Camera Check	Shows a screen for checking a specific portion of Television Camera assembly.
Bluetooth TEL Check	Shows a screen for setting the voice quality for a Bluetooth-enabled hands-free phone system.

For details on the procedure required to enter the Diagnosis menu screen, see the LEXUS IS F Repair Manual (Pub. No. RM08E0E).