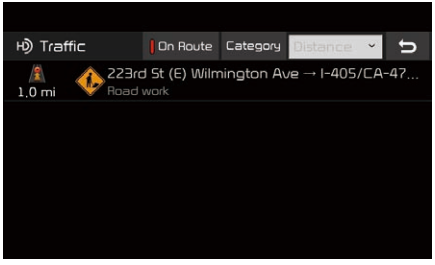
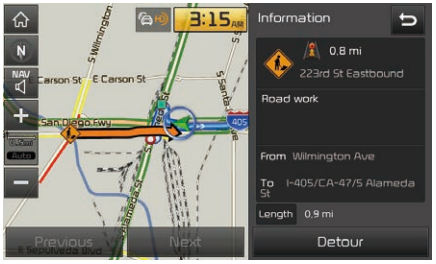
Traffic detour

Select the button on the bottom left of the screen ▶ Select the Traffic button.

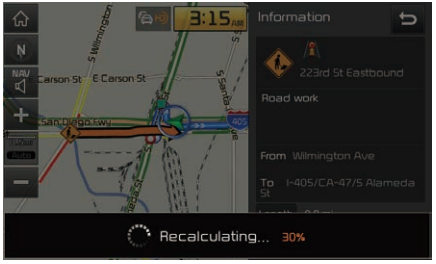
If there is traffic information on the route, it is possible to detour the route using traffic information and search other routes.
When the Detour button is enabled in the View Traffic Detail, press the Detour button to detour.

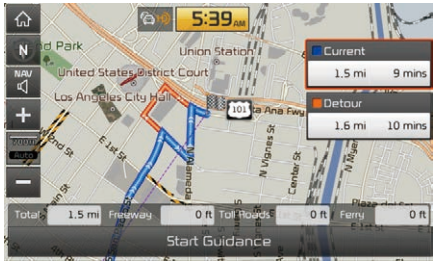


Select the desired section.



Check the information and press the Detour button.

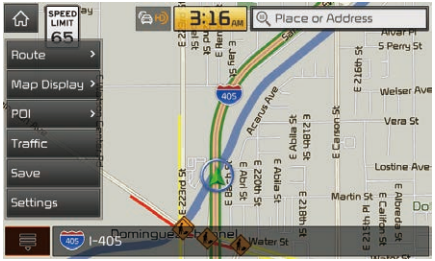




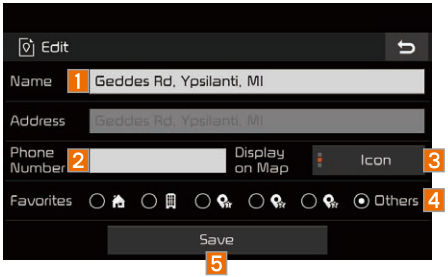
Select the Start Guidance button to apply the detoured sections and search other routes.

Save

Select the button on the bottom left of the screen ▶ Select the Save.



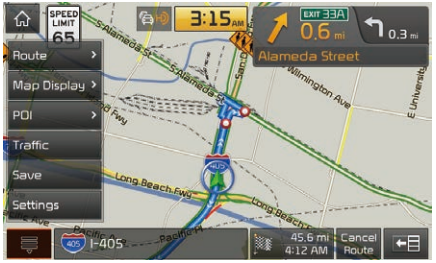
To store the location on the current map to the address book.



Name	Description
1	Change the name.
2	Enter the phone number.
3	Press Icon&Name, Icon or None to display on the map screen.
4	Designate to the Favorite item. When the favorite is designated, press the button on the bottom of the Destination menu and request the route guide immediately.
5	Save the setting.

Settings

Select the button on the left bottom of the screen. ▶ Select the Settings.



Change navigation settings. For more details, refer to “Navigation Settings” on page 5-29

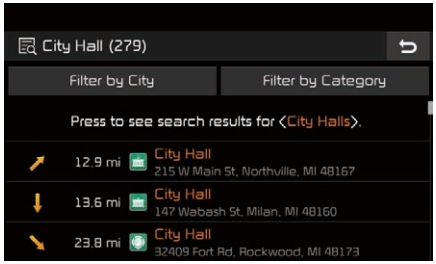
Destination Search

Places

You can enter POI Name, Address or Coordinates that you wish to search by.

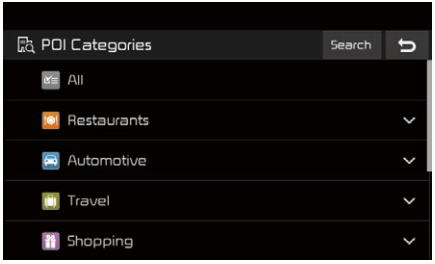
Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Place or Address Search Bar.

Enter the POI Name, Address and Coordinates of the location you want in the input window above, and press the OK button.

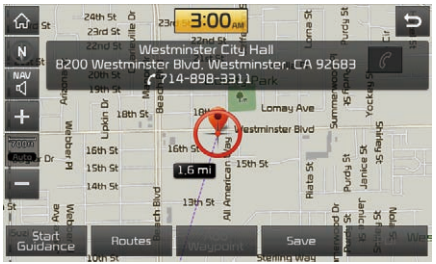


If you select a location from the search result list, it will bring you to the point.

If you press the Filter by City button on the search result screen, it will bring you to the City search screen where you can filter the search results by city names.



If you press the Filter by Category button from the search result screen, it will bring you to the POI Categories screen where you can filter the search results by POI Categories.



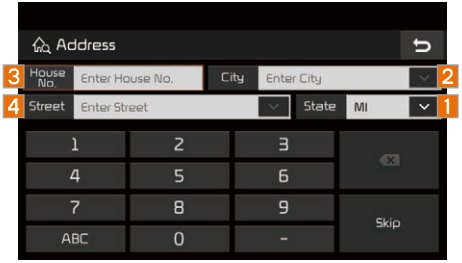
Once the destination has been identified either by POI name, address, or coordinates, the map screen will be displayed. From this screen you can set the destination or add a waypoint, or add the displayed destination to your address book.

Address

Set destination by address search.

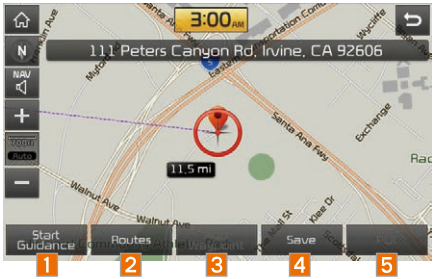
Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Address icon.

How to Search Address



Search criteria can be entered in any order. Example: State then City then Street then House No..

Name	Description
1	Select state to search.
2	Select a city before entering the street name. Addresses are searched only from the selected city.
3	Enter house number. If you don't know the house number, press Skip button.
4	Enter a street name. If same street names exist in other cities, the list of cities will be displayed.



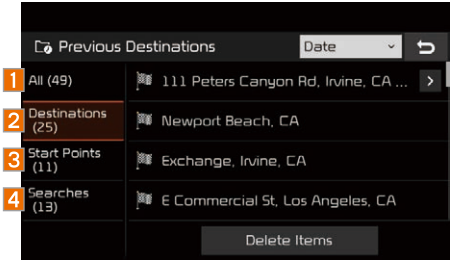
Enter the address to check the location information on the map.

Name	Description
1 Start Guidance	Start the preferred navigation route to selected location.
2 Routes	Choose the preferred navigation route to selected location.
3 Add Waypoint	Set the location as a waypoint.
4 Save	Save the location.
5 POI	Search nearby POIs.

Previous Destinations

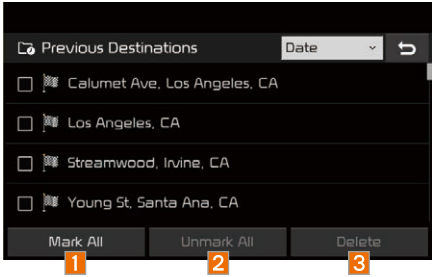
Select from previously inputted addresses and POIs.

Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Previous Destinations icon.



Arrange by all, latest destinations, latest searched places and latest departing places. Arrange in order of date and time.

Name	Description
1 All	Display all destinations, departing places, and searched places.
2 Destinations	Display previous destination places for route guidance.
3 Start Points	Display previous departing places for route guidance.
4 Searches	Display previously searched places for route guidance. i But, not displayed when the searched places are set as destination.



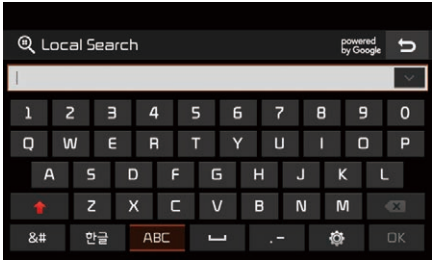
Press the Delete button to delete the information.

Name	Description
1 Mark All	Select all.
2 Unmark All	Deselect all.
3 Delete	Delete the selected item(s).

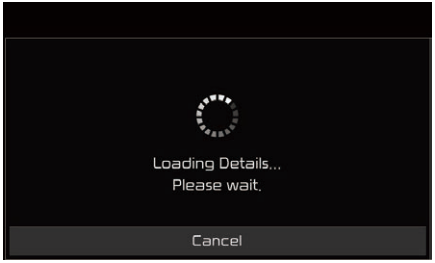
Local Search

Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Local Search icon.

Runs Google Local Search.

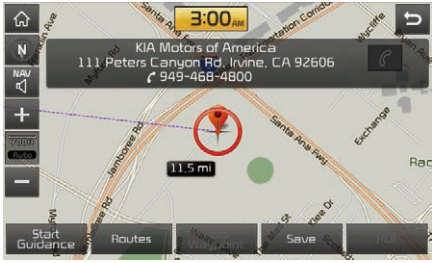


Enter the desired keywords and press the OK button.



Searching is in progress.

If one or more results are found, the search results are displayed. Select one of the search result.

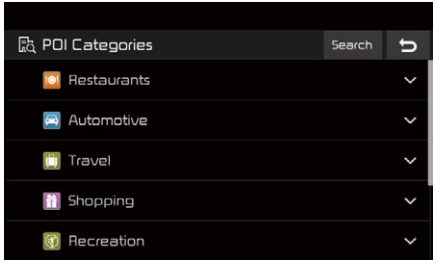


Press the Start Guidance button to start guidance.

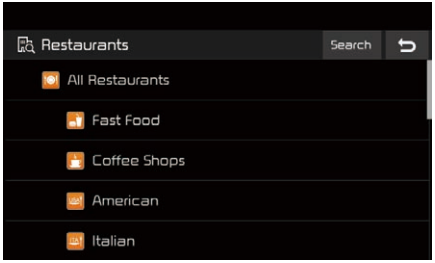
If search or guidance fails, the connection error message is displayed as above. Please try again.

POI Categories

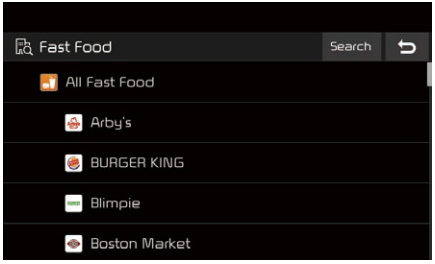
Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the POI Categories icon.



Select the desired item.



Select the desired item in the sub-categories.

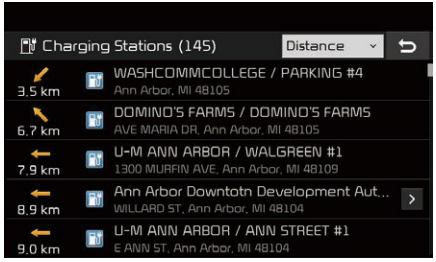


Name	Description
1	Select the desired destination among the searched items and add it as a way point.
2	Arrange in order of Distance and Name.
3	Arrange in order of Near Current Position, Near Destination, Along Route, Near Scroll Mark and Near City Center.

Charging Stations

Search for Charging Stations.

Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Charging Stations icon.



Select the desired destinations among the search items.

Restaurants

Search restaurants.

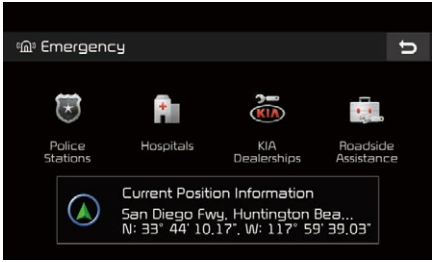
Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Restaurants icon.

Select the desired destination among the searched items.

Emergency

Search emergency facilities.

Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Emergency icon.



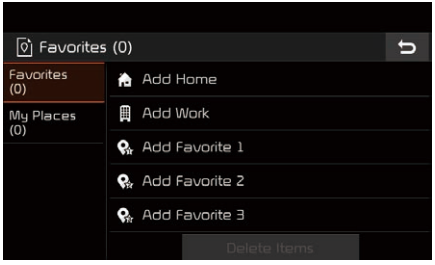
Check the current location information and select the desired item in the sub menu. (ex. Police Stations)

Select the desired destination among the searched items.

Address Book

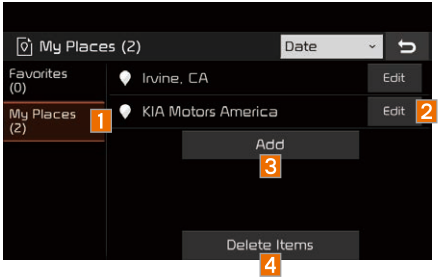
Search the destination with the address book.

Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Address Book icon.



Select the desired group.

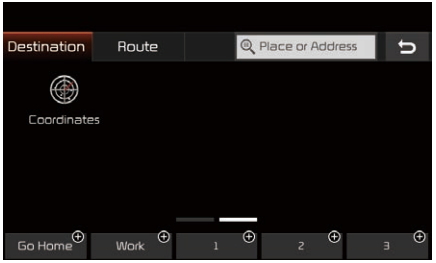
If you save address in the Favorites tab, you can set destinations easily by pressing the icons such as Go Home and Work at the bottom of the Destination menu.

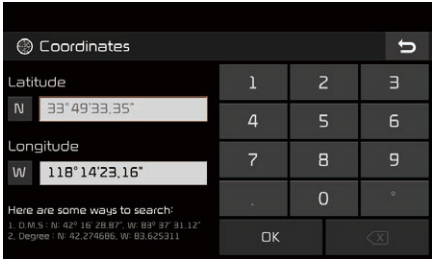


Name	Description
1	Select the desired destination from the searched items.
2	Edit the item.
3	Register a new Address.
4	Delete the desired item.

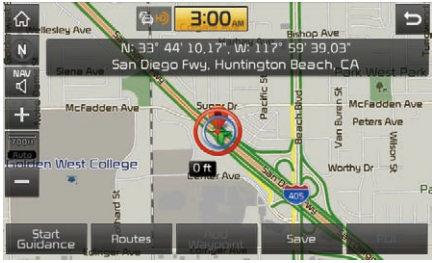
Coordinates

Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select the Coordinates to search by coordinates.





There are two ways to search by coordinates (D.M.S or Decimal Degrees). After typing coordinates, press the OK button to search.



Press the Start Guidance button to start guidance.

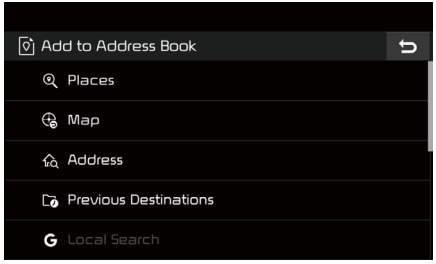
Favorite Places

Set the route using your favorite places.

Press the NAV head unit key. ▶ Select the Destination tab. ▶ Select from favorite places.

On the button where locations are not registered, the ⊕ icon is displayed. When a location is registered, the ⊕ button disappears and the buttons 1 to 3 are displayed as your favorite places.

Press the Go Home button then press the Yes button to set the Favorite 'Go Home'.

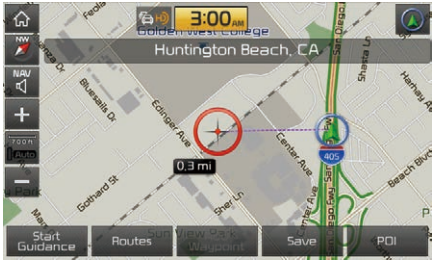


Work, Special 1, Special 2, and Special 3 can also be set as a Favorite using the same steps.

Pressing any of the Favorite Place buttons will start the route guidance to the saved Favorite address.

Route Setting

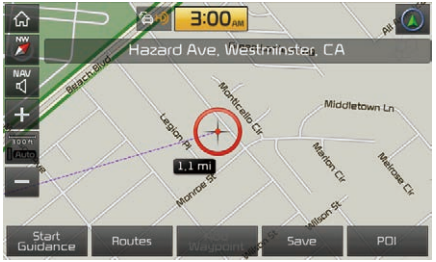
The route can be set after searching for a destination.



While the destination is set, the buttons Start Guidance, Routes, and Add Waypoint appear.

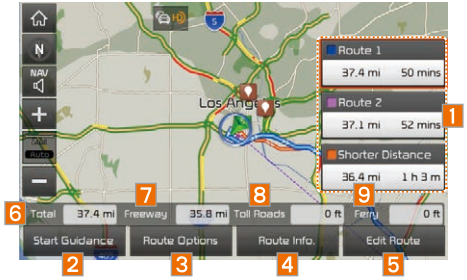
Press the desired button to change a destination or add a waypoint.

Destination Setting



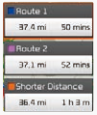
After searching the destination, press the Start Guidance button to set the location as a destination.

All Routes

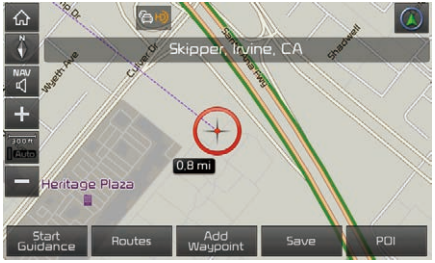


Three routing options are displayed based on real time traffic information and traffic pattern information and shorter distance.

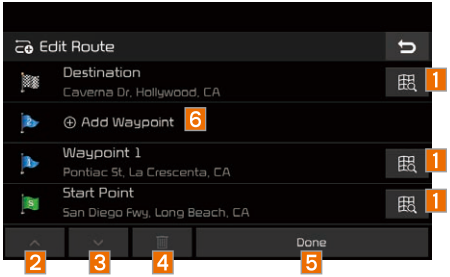
- Route 1: Select the best route based on combine real-time traffic information and traffic pattern data on the map.
- Route 2: Select the best route based on real-time traffic information.
- Shorter Distance: Select short distance, regardless of how fast or slow progress will be calculated.

Name	Description
1 	Display total distance, travel time. Select the desired route.
2 Start Guidance	Start the guidance with the route.
3 Route Options	Change the route option.
4 Route Info.	You can check route information.
5 Edit Route	Edit the route.
6 Total	Display total distance of the route.
7 Freeway	Display length of free-way on the route.
8 Toll Roads	Display length of toll road on the route.
9 Ferry	Display length of Ferry route on the route.

Adding Waypoint

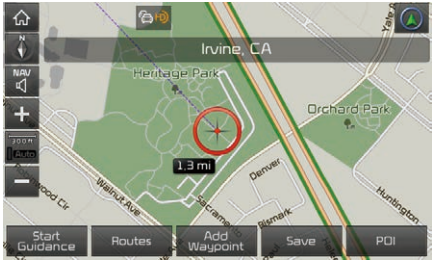


Press the Add Waypoint button to set the position as a waypoint and search the route.



Name	Description
1	Display the selected point on the map screen.
2	Move the selected item up.
3	Move the selected item down.
4	Delete the selected item.
5 Done	Press the button to finish editing.
6 Add Waypoint	Press the button to add waypoint.

Registering Location



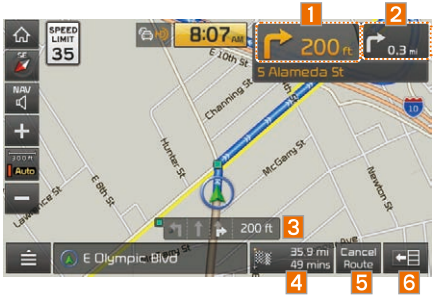
Press Save at the desired location to register the location.

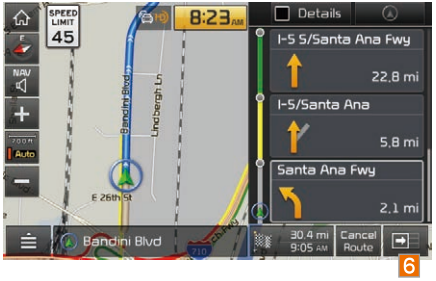
Enter the detailed information of the location to save.

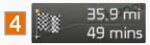
Route Guidance

Show route guidance detailed information.

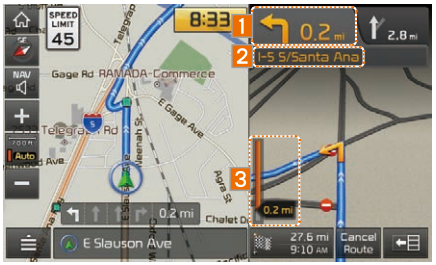
Route Guidance Screen





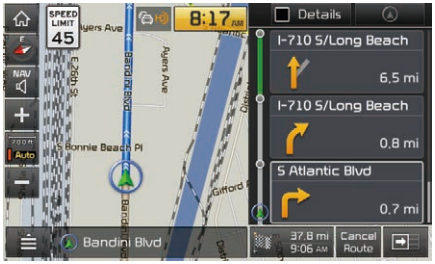
Name	Description
1	Displays the distance and direction to the first turn point.
2	Displays the distance and direction to the second turn point.
3	Displays the lane information at the current location. Display the recommended direction in white, travelable direction in white, and the non-travelable direction in grey.
4 	Displays the distance to the destination and the estimated time of arrival. Press the button to check the detailed information. If no waypoint is set, you will see the remaining distance or estimated time of arrival in turn each time you click the button.
5	Cancel the route.
6	Displays the Turn List. Closes the Turn List.

Split Screen during Route Guidance

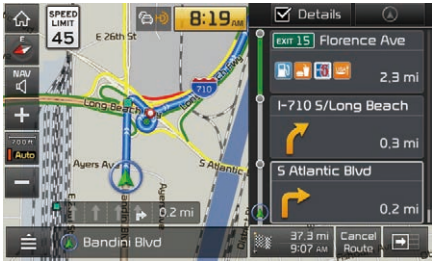


Approaching the turning point, the detailed road and travel information is automatically displayed on the right side of the screen.

Name	Description
1	• Turn Point: Displays direction and shape to turn shortly. • Distance to turn: Displays distance to next turn point.
2	Road name to maneuver: Info of the road.
3	Detail Distance Bar: Displays distance to next turn point.

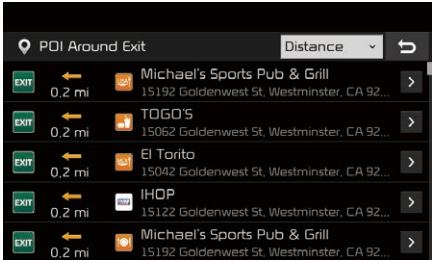


Details additional info can be displayed on Freeway.



Additional info of Freeway exit or Rest area can be displayed by pressing the button Details.

Detailed information for POIs around freeway exit is listed by pressing POI symbols.

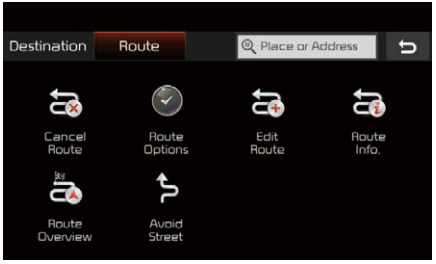


Route Search

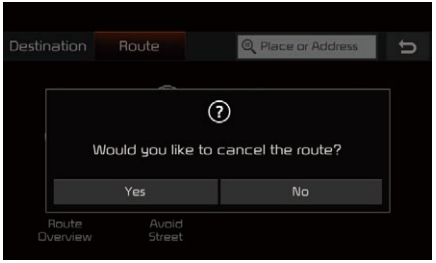
Canceling Route

Cancel the route.

Press the NAV head unit key. ▶ Select the Route tab. ▶ Select Cancel Route.



Press the Cancel Route icon.

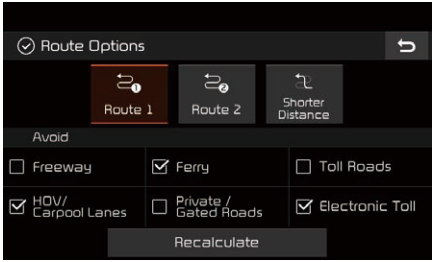


Press the Yes button to cancel the route.

Route Options

Press the NAV head unit key. ▶ Select the Route tab. ▶ Select Route Options.

Press the Route Options icon.



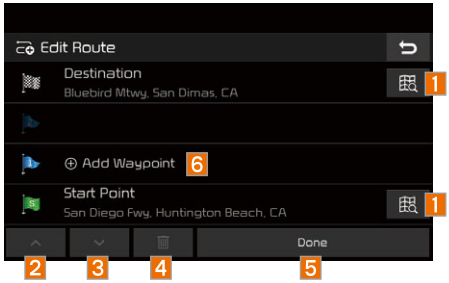
Determine the route options to guide the route.

Editing Route

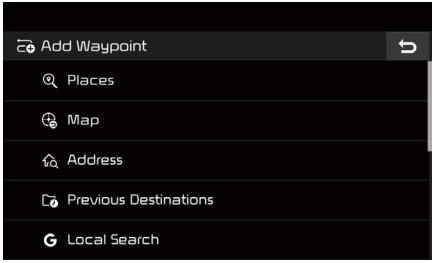
Edit the current route.

Press the NAV head unit key. ▶ Select the Route tab. ▶ Select Edit Route.

Press the Edit Route icon.



Name	Description
1	Display the selected point on the map screen.
2	Move the selected item up.
3	Move the selected item down.
4	Delete the selected item.
5 Done	Press the button to finish editing.
6 Add Waypoint	Press the button to add waypoint.

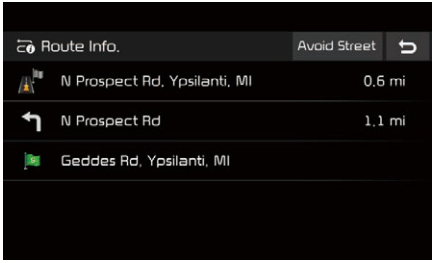


Add the waypoint through various searching methods.

Display Route Information

Press the NAV head unit key. ▶ Select the Route tab. ▶ Select Route Info..

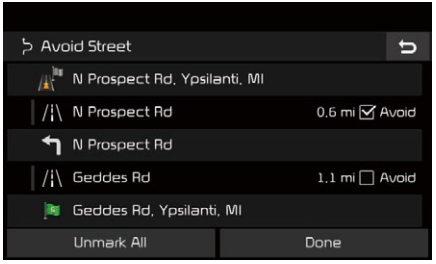
Press the Route Info. icon.



Check the information on the map. Select the desired item to see the map information.

Avoiding a road

Click the Avoid Street button to avoid the street or road.



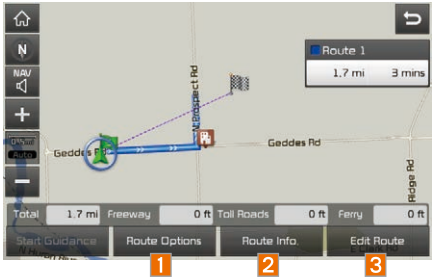
Check the desired item and press the Done button to finish.

Route Overview

Check the information on route including the distance, estimated time, toll fees, etc.

Press the NAV head unit key. ▶ Select the Route tab. ▶ Select Route Overview.

Press the Route Overview icon.



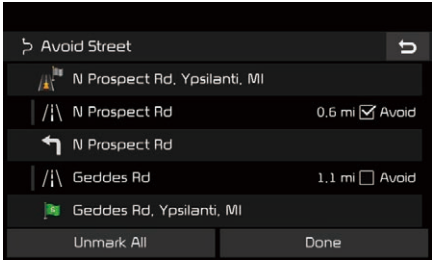
Name	Description
1 Route Options	Change the search option.
2 Route Info.	You can check route information.
3 Edit Route	Edit the current route.

Avoid Street

Search new route by avoiding the selected street(s).

Press the NAV head unit key. ▶ Select the Route tab. ▶ Select Avoid Street.

Press the Avoid Street icon.

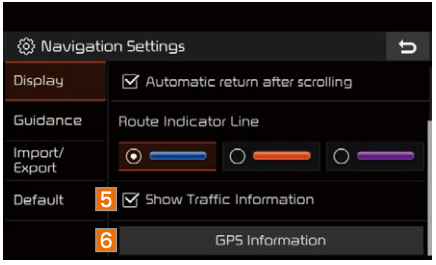


Press the Done to plan new route after selecting the street(s) that you want to avoid.

Navigation Settings

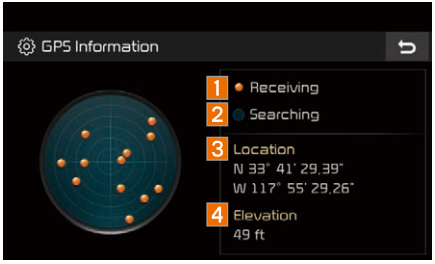
Display

Change general settings.



Name	Description
1	Change the unit of mile, km.
2	Press the ☑ button to change the previous destination view setting when starting the navigation.
3	When ☑ button selected, navigation will automatically return to current vehicle position after scrolling through map display.
4	Change the route guidance line colors.
5	Select the ☑ button to display traffic information on the map.
6	Check the GPS information.

GPS Information

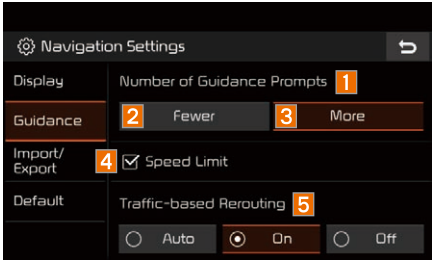


Press the GPS Information to display the detail GPS satellites information.

Name	Description
1 Receiving	Active when current position is being calculated.
2 Searching	Active when searching for satellite signal.
3 Location	Display current position of the vehicle.
4 Elevation	Display current elevation of the vehicle.

Guidance

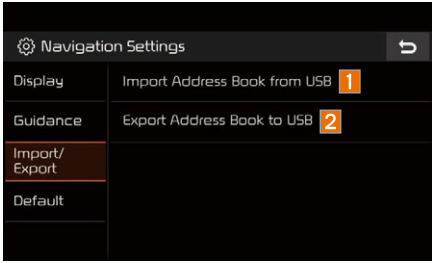
Change the guidance setting.



Name	Description
1	Set the frequency of guidance.
2	Route guidance is given less frequently.
3	Guidance will be provided frequently.
4	Change whether to show speed limit by pressing ☑.
5	Searching faster routes internally using traffic information. • Auto: When set to Auto, during route guidance, faster route is automatically changed to avoid traffic incident. • On: If set to On, faster route pop-up option appears during route guidance. • Off: If set to Off, no faster routes are suggested to avoid traffic incident during route guidance.

Import/Export

In navigation setting screen, press Import/ Export. Press the desired category.



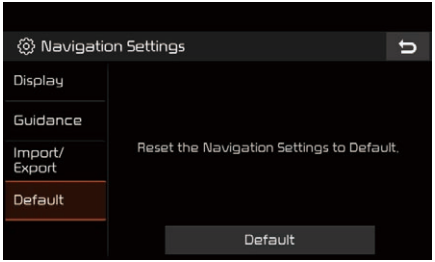
Name	Description
1	The latest data of Navigation Address Book which have been exported to a USB device will be imported to your navigation device.
2	Export the Navigation Address Book on your navigation device to a USB device.

WARNING

- The amount of data available for importing to a USB device is limited based on the number of address book items supported by the navigation system.
- If the data stored on the USB device uses different coordinates than those used by the current system, the importing location may change.
- Please make sure that the address book have been successfully imported before use.
- Only USB devices formatted in FAT16/32 are supported.
- Certain USB devices may not be supported due to compatibility issues.

Default

Reset the Navigation Settings to factory default.



Troubleshooting

The current position as shown on the navigation may differ from the actual position under the following conditions.

The following occurrences are not malfunctions :	
• When driving on Y-shaped roads with narrow angles the current position may be displayed in the opposite direction • Within city streets, the current position may be displayed on the opposite side or on an off-road position • When changing the zoom level from maximum to a different level, the current position may become displayed on a different road • If the vehicle is loaded onto a ferry or a car transport vehicle, the current position may become stalled on the last position prior to loading • When driving on a spiral-shaped road • When driving in mountain regions with sharp turns or sudden brakes • When entering a road after passing an underground parking structure, building parking structure, or roads with many rotations • When driving in heavy traffic with frequent starts and stops	• When driving under slippery conditions, such as heavy sand, snow, etc. • When driving on spiral-shaped roads • When the tires have recently been replaced (Especially upon use of spare or studless tires). • When using tires of improper size • When the tire pressure for the 4 tires are different • When the replacement tire is worn or used (Especially studless tires having passed a second season). • When driving near high-rise buildings • When a roof carrier has been installed • When a long distance route is calculated while driving on an expressway In such cases, continued driving will automatically enable the system to conduct map matching or use updated GPS information to provide the current position (In such cases, up to several minutes may be required)

Correct route guidance may not occur due to search conditions or driving position.

The following occurrences are not malfunctions :	
• Guidance to go straight may be given while driving on a straight road • Guidance may not be given even when having turned at an intersection • There are certain intersections in which guidance may not occur • A route guidance signaling for a u-turn may occur in some No u-turn intersections	• Route guidance signaling entrance into a No-entry zone may occur (No-entry zone, road under construction, etc.) • Guidance may be given to a position that is not the actual destination if roads to reach the actual destination do not exist or are too narrow • Faulty voice guidance may be given if the vehicle breaks away from the designated route. (e.g. if a turn is made at an intersection while the navigation provided guidance to go straight.)

These situations may occur after conducting route calculation.

The following occurrences are not malfunctions :	
• Guidance may be given to a position differing from the current position when turning at an intersection • When driving in high speeds, route recalculation may take a longer period of time • Route guidance signaling for a u-turn may occur in some No u-turn intersections	• Route guidance signaling entrance into No-entry zone may occur. (No-entry zone, road under construction, etc.) • Guidance may be given to a position removed from the actual destination if roads to reach the actual destination do not exist or are too narrow • Faulty voice guidance may be given if the vehicle breaks away from the designated route (e.g. If a turn is made at an intersection while the navigation provided guidance to go straight.)

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CAUTION

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- Product malfunctions caused by the use of separately purchased SD cards shall not be covered within the product warranty.
- Repeatedly connecting/disconnecting the SD card in a short period of time may cause damage to the device.

MEMO

part.7 Voice Recognition

What is Voice Recognition?
Precautions Required for Successful Voice Recognition
Starting/Ending and Setting Voice Recognition
Voice Recognition Screen Overview
Voice Commands
Siri Eyes Free

Voice Recognition

What is Voice Recognition?

The voice recognition feature operates the multimedia system by recognizing voice commands and enables hands-free operation of the system while you are driving your car.

Not all possible voice commands are recognized by the system due to technological limitations. To make up for these limitations, the system displays the voice commands that are available for you to use.

There are errors in communication between people. Likewise, voice recognition sometimes misunderstands your voice command in some circumstances. If this happens, either check the screen for the available options and say the command again, or manually select and press the button for the corresponding command on the screen.

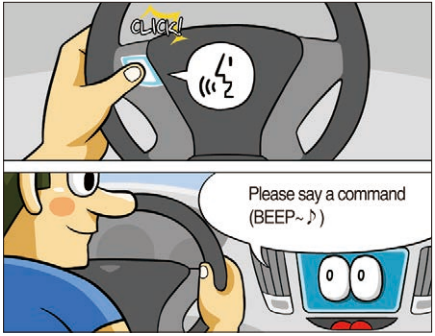
Precautions Required for Successful Voice Recognition

1. Voice recognition supports only the commands that are displayed on the screen and written in the User's Guide.
2. To ensure the correct recognition and execution of your command, say your command when you hear the beep after a voice prompt.
3. Voice recognition automatically ends if:
   1) A call is incoming or outgoing
   2) A media device (USB or iPod, etc.) is connected or disconnected
   3) The rear view camera is operated
   4) The car engine starts or stops
   5) A system key, such as RADIO key or MEDIA key is selected
4. The microphone used for the voice recognition system is located in the headliner directly above the driver's head. To make your commands better understood, keep your body straight in the driver's seat when speaking the command.
5. Speaking naturally and clearly will ensure better recognition of your voice commands.
6. In the following cases voice recognition will be affected by ambient noise.
   1) The sound of the wind if any window or the sun roof is open.
   2) High speed blower from the air vents. Set climate control to blow lower than level 3.
   3) Vibrations from passing through a tunnel.
   4) Vibrations from driving on an uneven road.
   5) Storms and heavy rain.

Starting/Ending and Setting Voice Recognition

Starting Voice Recognition

Press the key briefly (less than 0.8 seconds) on the steering wheel control to activate voice recognition.



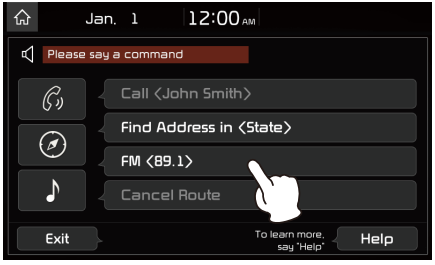
Ending Voice Recognition

1. Select “Exit” to the left of the bottom to end voice recognition.
2. Press and hold (more than 0.8 seconds) the key on the steering wheel control to end voice recognition.

Combining Voice Recognition with On-Screen Commands

After pressing the key, say a command after the beep. The voice recognition system will execute the desired operation after understanding the command.
Alternatively, you may touch any of the corresponding Commands on the screen while the Voice Recognition system is in operation.

Combining voice recognition with available on-screen commands is useful when the system is taking longer than expected or the voice command did not execute as desired.



Extending the Listening Time

When the system is waiting for your command, after the voice prompt and beep have been heard, if you press the key (less than 0.8 seconds), then the beep will sound again and standby mode will restart.

When activated, voice recognition waits for your command for 5 seconds. If you say nothing for 5 seconds, a voice prompt will ask for your command again.

Skipping Prompt Messages

When you hear the prompt message, press the key on the steering wheel control to skip the message and go directly to listening mode to say your command.

This results in faster operation when you feel the message is too long or you already know the command to use.

Information

- Refer to Part 10 for instructions on how to change the Voice Recognition Settings.

Adjusting Voice Recognition Volume

During voice recognition, rotate the volume knob to adjust the message volume.

Voice Recognition Screen Overview

Start Screen

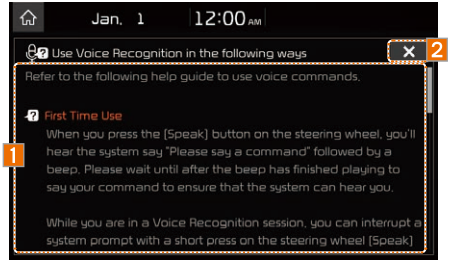
Name	Description
1 Representative Commands	Displays the representative commands.
2 Not available command	Displays commands that are not available due to a failure in meeting the conditions for using them and thus need additional settings. The conditions required for using them will be described briefly under each command.

Name	Description
3 Voice recognition status icons	Standby Voice guidance Voice command process
4 Recognized results	Displays the voice recognition result.
5 User's speaking volume being recognized	Displays the voice command volume in real time.
6 Help	Displays all available help commands in a tree format.
7 Exit	Ends the voice recognition.

Help Display

Name	Description
1 Command list	• Shows the available commands. • Select or say a command to display additional commands in detail.
2 How to use for selected item	This section shows how to use voice recognition for the selected item.
3 How to use in general	This section displays how to use voice recognition in general.

Instructions for Using Voice Recognition



Name	Description
1 Detail instruction	This section describes how to use voice recognition in detail.
2 Close button	Closes the screen and restarts voice recognition.

Information

- In the instructions screen, no voice is recognized, so you must manually issue commands. Because the instructions screen displays a lot of content, you cannot view it while driving for safety precautions.

Voice Commands

Types of Commands

Voice recognition commands are classified as “Global Commands” and “Local Commands”.

1. Global Commands (●): Commands that can be used immediately after activating voice recognition.
2. Local Commands (○): Commands that can be used when a multimedia, navigation or Bluetooth function is running, or displayed on the screen, after activating voice recognition.

Call Commands

* Check the following before using call commands:

1. Voice commands related to phone calls can be used after connecting a Bluetooth device.
2. To call a person, for example “Call <John Smith>” whose name is listed in Contacts, you must first download the Contacts list. For details on downloading contacts, see “Part 4. Bluetooth > Chapter 3. Bluetooth Phone > 4.8 Contacts”.
3. After downloading the Bluetooth contacts, it will take some time to convert the Contacts into voice data during which time you cannot make a call by name yet. The time it takes to convert voice data may vary depending on the number of Contacts downloaded on the phone.

Command		Operation
●	Call	Displays downloaded Contacts, after this you can make a call by saying the name.
●	Call <Name>	You can directly call a person by <Name> in the downloaded Contacts.
●	Call <Name> on Mobile	You can call a person <name> directly to the number that is saved as “Mobile” in the downloaded Contacts. e.g.) Call “John Smith” on Mobile
●	Call <Name> at Work	You can call a person <name> directly to the number that is saved as “Work” in the downloaded Contacts. e.g.) Call “John Smith” at Work
●	Call <Name> at Home	You can call a person <name> directly to the number that is saved as “Home” in the downloaded Contacts. e.g.) Call “John Smith” at Home
●	Call <Name> on Other	You can call a person <name> directly to the number that is saved as “Other” than “Mobile, Home, or Work” in the downloaded Contacts. e.g.) Call “John Smith” on Other
●	Dial Number	Displays a screen where you can say a phone number to dial.
●	Dial <Phone #>	You can directly say the number to call. e.g.) Dial 111 555 1234
●	Change Bluetooth Device	You can switch your Bluetooth connection to another paired device.

Navigation Commands

* Check the following before you use navigation commands:

1. Search for and find addresses located in the state or province your car is currently in.
   If you want to search in another state, say the name of state/province and then look it up.
   Find Address is classified by states/provinces to provide you with faster service.
2. Some commands such as “Cancel Route” are available only when the destination is fixed.

Command		Operation
●	Find Address in <State>	• Finds the address in <State> and sets it as the destination. e.g.) Find Address in California • To find an address, you should say "House Number → Street → City" e.g.) 300 (Three Zero Zero) Main Street, Almond
●	Find Address	Finds the address and sets it as the destination.
●	Find POI	Find the points of interest. After this command, you can find the name of a location step-by-step.
●	Find <POI>	Immediately finds <POI>. For detail of <POI>, see “Find <POI>” list. e.g.) Find “Banks”

Command		Operation
●	Map	Moves to the current position on the navigation map
●	Previous Points	Displays a list combining Previous Destinations, Previous Searches, and Previous Starting Points all together. You can then set a destination by saying the list number.
●	Previous Destinations	Displays a list of recent destinations that you can return to by saying the number in the list.
●	Previous Searches	Displays a list of recent searches, where you can set a destination by saying the number in the list.
●	Previous Starting Points	Displays a list of recent starting points that you can return to by saying the number in the list.
●	Traffic Information	Moves to the Traffic Information menu screen.
●	Go Home	Set the destination to your home. Your home must first be set in the Navigation system.
●	Go to Work	Set the destination to your work/office. Your work/office must first be set in the Navigation system.

Command		Operation
●	Turn Guidance On	Turns on the voice guidance system.
●	Turn Guidance Off	Turns off the voice guidance system.
●	Zoom In	Zooms in on the navigation map.
●	Zoom Out	Zooms out from the navigation map.
●	Cancel Route	Cancels the route to the fixed destination and exits guidance.
●	Destination Information	Tells you the remaining distance and time to your destination.
●	Route Options	Moves to the Route Options menu screen.
●	Emergency Services	Displays a list of nearest Police Station, Hospital, Dealership, or Road Assistance. You can then set a destination by saying the list number.
●	Police Station	Displays a list of the nearest police stations. You can then set a destination by saying the list number.

Command		Operation
●	Hospital	Displays a list of the nearest hospitals. You can then set a destination by saying the list number.
●	Dealership	Displays a list of the nearest car dealerships. You can then set a destination by saying the list number.
●	Road Assistance	Displays a list of the nearest road assistance locations. You can then set a destination by saying the list number.
●	Show Route	Displays a map overview of the entire route to your destination.

Radio Commands

Command		Operation
●	FM <87.5 to 107.9>	Tunes to FM <Frequency> according to what you say. e.g.) FM 87.5: FM eighty seven point five
●	SiriusXM <0 to 999>	Tunes to SiriusXM™ Channel <Channel Number> according to what you say. e.g.) SiriusXM 23: SiriusXM Twenty three
●	AM <530 to 1710>	Tunes to AM <Frequency> according to what you say. e.g.) AM 530: AM Five thirty

Other Commands List (Commands used in List/Help)

Command		Operation
●	Help	Moves to the voice recognition help screen. All available commands can then be identified and used.
○	Line 1 to 4 (One to Four)	When you cannot select a certain name, you can select it using numbers. Simple numbers can be recognized, such as “One” or “Two”.
○	Yes/No	When voice recognition is activated, this command is used when an answer is requested for a confirmation question.
○	Previous/Next	When four or more searched items are listed, you can move to the previous or next page using a voice command.
○	Manual Input	When Dial entry results are displayed, this command is used to search manually, rather than to search with a voice command. Voice recognition stops after this command is used.
○	Go Back	Moves to the previous screen.
●	Exit	Ends the voice recognition.

“Find <POI>” List

Navigation location names can be changed after an update.

1. Restaurants

Restaurants
Fast Food Restaurants
Arby's
Boston Market
BURGER KING
Carl's Jr
Chick-fil-A
Chipotle
Church's Chicken
Dairy Queen
Firehouse Subs
Fleming's
Hardee's
In-N-Out Burger
IHOP
Jack in the Box
Jimmy John's
KFC
Little Caesars
Long John Silver's
McAlister's Deli
McDonald's
Panda Express
Panera Bread
Popeyes
Quiznos Sub
Schlotzsky's
SONIC
SUBWAY
Taco Bell
Taco John's
Waffle House
Wendy's
White Castle
American Restaurants
Applebee's
Bahama Breeze
Boston's Restaurant & Sports Bar
Cheeseburger in Paradise
Chili's Grill & Bar
Cool River
Denny's
Frisch's Big Boy
Good Eats
III Forks
Lee Roy Selmon's
Lone Star Steakhouse & Saloon
Longhorn Steakhouse
Luckys Cafe
Outback Steakhouse
Ponderosa
Publix
Seasons 52
Sheetz
Silver Fox
Texas Roadhouse
TGI Friday's
The Capital Grille
French Restaurants
Italian Restaurants
Bonefish Grill
Carrabba's Italian Grill
Chuck E Cheese's
Domino's
Olive Garden
Papa John's
Papa Murphy's
Pizza 73
Pizza Hut
pizza pizza
Continental Restaurants
Mexican Restaurants
Cantina Laredo
Chevys
El Chico
Japanese Restaurants
Chinese Restaurants
PF Chang's China Bistro
Korean Restaurants
Vegetarian Restaurants
Seafood Restaurants
Red Lobster
Latin American Restaurants

2. Automotive

Restaurants
Asian Restaurants
African Restaurants
Coffee Shops
Starbucks
Dunkin' Donuts
Tim Hortons
Other Restaurants
Auntie Anne's
Baskin-Robbins
Haagen-Dazs
Hooters
Roy's
TCBY
VAN DER VALK

Automotive
Kia Dealerships
Gas Stations
76
ampm
ARCO
BP
Canadian Tire
Casey's General Store
Cenex
Chevron
CITGO
Conoco
Esso
Exxon
Fleetfuels
GetGo
Giant Gasoline
GTO
Gulf
Husky
Ingles Gas Express
Marathon
Martin's Gasoline
Meijer
Mobil
Murphy Express
Murphy USA
Petro Stopping Centers
PETRO-CANADA
Phillips 66
Pioneer
QuikTrip
Rutter's
Sheetz
Shell
Sinclair
Speedway
Sunoco
Sunoco Canada
TEXACO
TravelCenters of America
Ultramar
Valero
Wawa
Parking

Auto Services
AAA
Advance Auto Parts
America's Tire
AutoZone
BOSCH Car Service
Certigard
Discount Tire
Firestone
GOODYEAR
Kal Tire
Midas
Napa
O'Reilly Auto Parts
Sears Auto Center
Road Assistance
Automobile Dealerships
Auto Parts
Car Washes
Motorcycle Dealerships

3. Travel

Travel
Airports
Hotels
Americas Best Value Inn
AmericInn
Andaz
Ascend Collection
Baymont Inn & Suites
Best Western
Cambria Suites
Canadas Best Value Inn
Candlewood Suites
Clarion Hotel
Comfort INN
Comfort Suites
CONRAD
Country Inn & Suites by Carlson
COURTYARD by Marriott
Crowne Plaza
Days Inn
DELTA
Doubletree
Econo Lodge
Embassy Suites
Grand Residences by Marriott
Hampton Inn
Hampton Inn & Suites
Hawthorn Suites
Hilton
Hilton Garden Inn
Hilton Grand Vacations
Holiday Inn
Holiday Inn Express
Homewood Suites
Hotel Indigo
Howard Johnson
Hyatt Place
Hyatt
Hyatt Summerfield Suites
Intercontinental
JW Marriott
LA QUINTA INN
Lexington
Mainstay Suites
Marriott
Marriott VACATION CLUB
Microtel Inns & Suites
Motel 6
NOVOTEL
Omni Hotels
Park Inn
Park Plaza
QUALITY INN
Radisson
Radisson SAS
RAMADA
Red Roof Inn
Regent Hotels & Resorts
Renaissance
Residence Inn
Ritz-Carlton Club
Rodeway Inn
Sheraton
Sleep Inn
SOFITEL
Staybridge Suites
Studio 6
Suburban Extended Stay
Super 8
Thriftlodge Canada
Travelodge
Travelodge Canada
VAN DER VALK
WALDORF ASTORIA COLLECTION
Wingate by Wyndham
Wyndham
Rest Areas
Tourist Information
Tourist Attractions
Travel Agents
City Centers
Rental Car Agencies
Alamo
AVIS
Budget
Dollar Rent A Car
Enterprise
Hertz
National
Thrifty
Campgrounds

4. Shopping

Travel
Ferry Terminals
Bus Stations
Local Transit
Train Stations

Shopping
Department Stores
Canadian Tire
Dollar General
Dollar Tree
Family Dollar
JCPenney
Kmart
Kohl's
Nordstrom
Sears
Sears Hometown Store
Target
T.J. Maxx
Walmart
Convenience Stores
7-Eleven
ampm
BP
Circle K
Fleetfuels
GetGo
GTO
Kangaroo Express
Murphy Express
Murphy USA
Petro Stopping Centers
QuikTrip
Rutter's
Sunoco Canada
TravelCenters of America
Wawa
Shopping Centers
Office Depot
Grocery Stores
Giant Eagle
Giant Food Stores
IGA
Ingles Markets
Food Lion
Kroger
Martin's Food Markets
Meijer
Publix
Sav-Mor Foods
Save-A-Lot
SuperValu
Music Stores
Bookstores
Barnes & Noble
Electronics Stores
AT&T
Best Buy
Future Shop
GameStop
Radioshack
Sprint
Staples
T-Mobile
OfficeMax
US Cellular
Verizon
Gift Shops
Sporting Goods Stores
Dick's Sporting Goods
Sports Authority
Home Specialty Stores
ABC Fine Wine & Spirits
Ace Hardware

Shopping
Claire's
Costco
Home Depot
Lowe's
Merle Norman
PETCO
PETSMART
Sally Beauty Supply
SHERWIN-WILLIAMS
True Value
Clothing Shops
Mark's
Shoe Stores
Pharmacies
CVS/pharmacy
Giant Drugstore
Ingles Pharmacy
Kmart Pharmacy
Kroger Pharmacy
Martin's Drugstore
Meijer Pharmacy
Rite Aid
Shoppers Drug Mart
Target Pharmacy
Walgreens
General Merchandise

5. Recreation

Recreation
Amusement Parks
Museums
Cinemas
Golf Courses
Sports Complexes
Sports Activities
Wineries
Video & Game Rental
Ski Resorts
Recreation Areas
Other Recreation Areas

6. Financial Services

Financial Services
Banks
Bank of America
BB&T
Chase
Citibank
Citizens Bank
Fifth Third Bank
Key Bank
PNC Bank
RBC Bank
Regions
SunTrust
TD Bank
TD Canada Trust
US Bank
Wells Fargo
ATMs
Check Cashing Services
Money Transfer

7. Community

Community
Police Stations
Post Offices
Libraries
Schools
Fire Departments
Churches
Synagogues
Convention Centers
City Halls
Civic Centers
Court Houses
Government Offices
Waste & Sanitary Services
Utilities
Business Facilities

8. Services

Services
Hospitals
Medical Services
Physicians
Tax Services
Attorneys
Funeral Homes
Hair & Beauty Services
Cleaning & Laundry Services
Social Services
Communication
Dentists
Photography Services
Tailors & Alterations
Movers
Nursing Home
Optical Services
Personal Services
Repair Service
Veterinary Hospital

Siri Eyes Free

How to start Siri

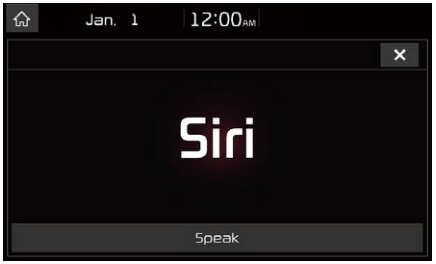
If you want to use Siri, you have to connect your iOS device to the Multimedia system through Bluetooth.

(Please check whether your iOS device supports Siri and turning Siri On)

Then you can use Siri while pressing and holding key on the steering wheel.

How to use Siri

When you access the Siri screen while pressing and holding key on the steering wheel, you can select the Speak button and then you can speak what you want. Note that the Multimedia system only supports “Phone” related functions. Other functions will be performed in your iOS device. If you press voice key quickly, Siri would re-start. If you hold down voice key, Siri would be terminated and the screen would go back to the previous screen. Eyes-Free mode would be activated automatically while you are driving. When shifting gears into P or putting the Parking brake on, Eyes-Free mode would be deactivated automatically.



Information

- Functions and feedbacks from voice commands via Siri are executed in the iOS device. If the iOS version is changed, the functions and response may be different according to the iOS device and the latest version.

part.8 Data Services

HD Radio™ Data
SiriusXM™ Data

HD Radio™ Data

About HD Radio™ Data Services

The HD Radio™ Data Service provides users with information such as Weather, Doppler Radar and Traffic by using HD Radio™ Technology.

Accessing HD Radio™ Data

Select the Data Services icon after selecting “All Menus” to enter Data Services Mode.

HD Radio™ Weather Information Mode

At the “Data Services” screen, select the HD Radio Weather icon to enter the Weather Information mode.

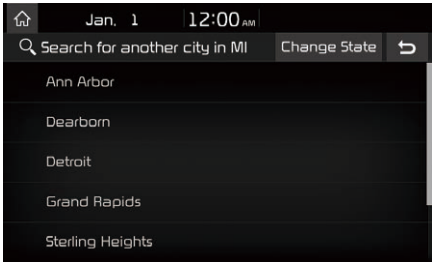
Weather Forecast

This service provides current weather information and weather forecasts for the next five days in your city.

Other City Option

This service provides access to weather information from other cities.

To change the city, select the Other City button and select the desired city. From this screen, there is also an option to change the state by selecting the Change State button.



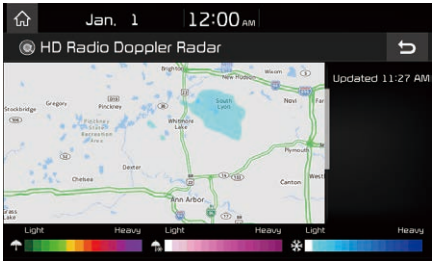
HD Radio™ Doppler Radar

At the “Data Services” screen, select the HD Radio Doppler Radar icon to enter the Doppler Radar mode.

Doppler Radar

This service provides Doppler Radar views of the current *HD Radio™ coverage market. This screen will change automatically based on the *HD Radio™ coverage market.

* The HD Radio™ coverage market is the area with the strongest signal at that time.



SiriusXM™ Data

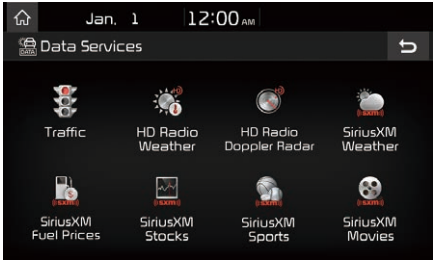
About SiriusXM™ Data Service

The SiriusXM™ Data Service is a paid membership satellite radio service that provides users with information such as Weather, Sports, Stocks, Fuel Prices and Movies.

However, weather information is not supported for vehicles purchased in Canada.

Accessing SiriusXM™ Data

Select the Data Services icon after selecting All Menus to enter the Data Services Mode.

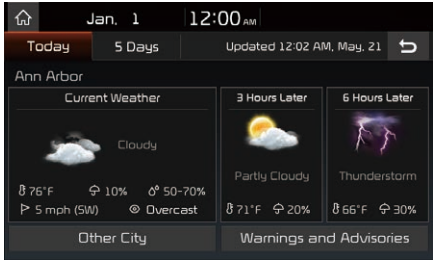


SiriusXM™ Weather Announcement

At the “Data Services” screen, select the SiriusXM Weather icon to enter the Weather Announcement mode.

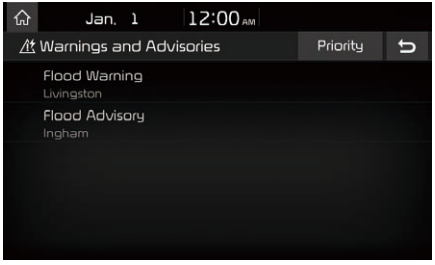
Weather Forecast

This service provides current weather information and weather forecasts for the next five days in your region. To change the region, select the Other City button and select the desired region.



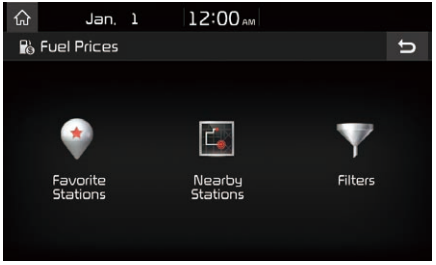
Warnings and Advisories

This service provides weather warnings and advisories, such as tornado, storm, flood, etc.



SiriusXM™ Fuel Price Information

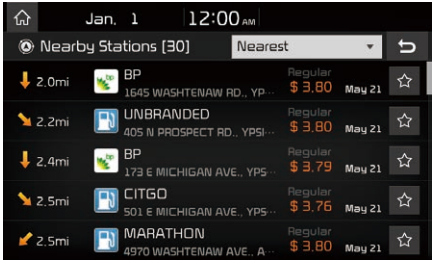
At the “Data Services” screen, select the SiriusXM Fuel Prices icon to enter the Fuel Prices Information mode.



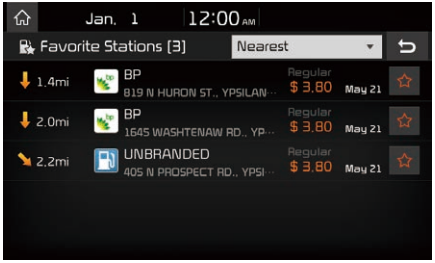
Search for Nearby Stations, and Register Key Locations as Favorite Stations.

Search for nearby stations with the “Nearby Stations” menu.

It shows station locations, starting from the nearest one, and select “Nearest” menu on the top right side to further sort them by price or brand name.



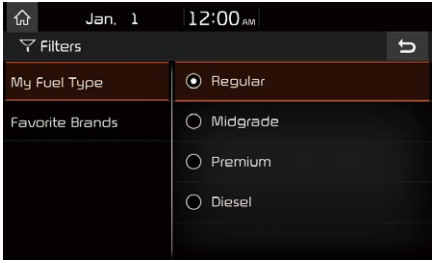
Select the ☆ button to the right of the list to register key locations as a Favorite Station so that you can go there again with the “Favorite Stations” menu.

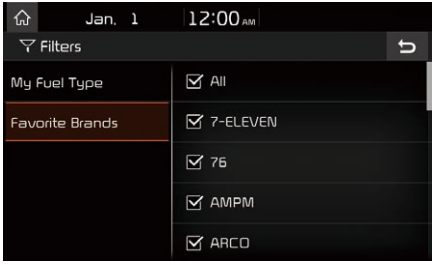


My Fuel Type Settings

With the “Filters” menu, you can select fuel types and favorite brands.

When searching for Nearby Stations, the results will reflect selected fuel types and brand information.





SiriusXM™ Stock Information

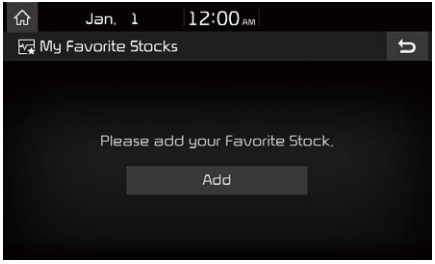
In the “Data Services” screen, select the SiriusXM Stocks icon to enter the Stocks mode.

Stocks is a feature that shows the current value and change of stocks.

For symbols which you are interested in, select the icon to save the symbol as a part of the “Saved” symbols which can be viewed from the “My Favorites” button on the Stocks Main screen.

My Favorites

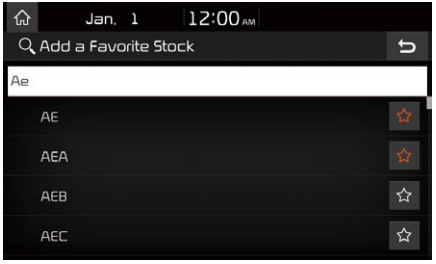
My Favorites shows a list of stocks added by the user. When entering the Stocks menu for the first time, a screen is displayed for you to add your favorite stock information. Select the Add button to move to the stock search screen.



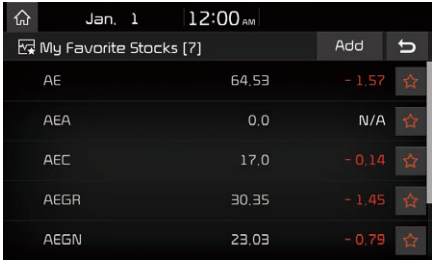
Stock Search

Use the Stock Search menu to search for specific stocks.

Select the ☆ button after searching for your favorite stocks to save them in “My Favorites”.



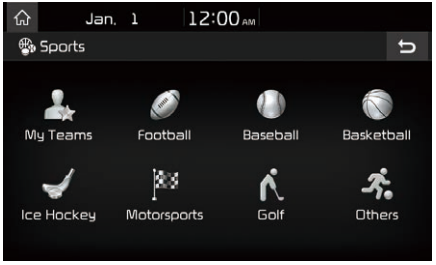
In the My Favorites screen, you can find the selected stock information that you registered.



SiriusXM™ Sports Information

Select the SiriusXM Sports icon to enter the Sports mode.

This service provides real-time updated information on scores and schedules for major sports, such as NFL, NBA, NCAA football, NCAA basketball, NHL, MLB, NASCAR and more.

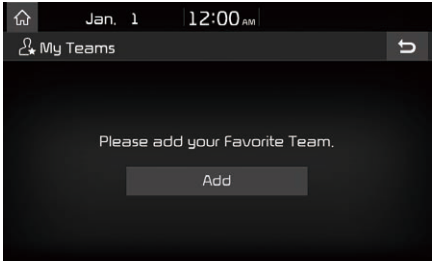


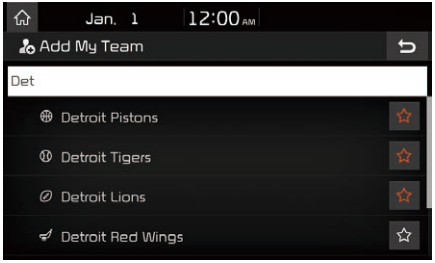
My Teams

You can save teams which you are interested in as part of My teams to easily view related scores and schedules.

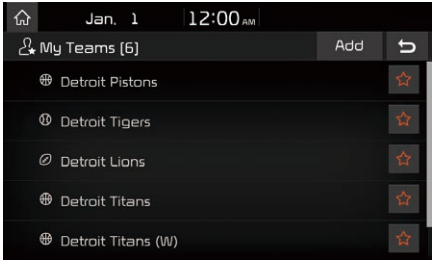
Select the My Teams menu and then select the Add button to search for and register your favorite teams.

Search for your favorite teams and select the ☆ button on the right to add it to the “My Teams” list.

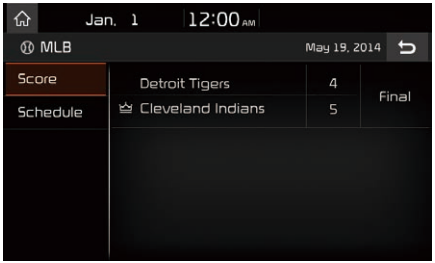


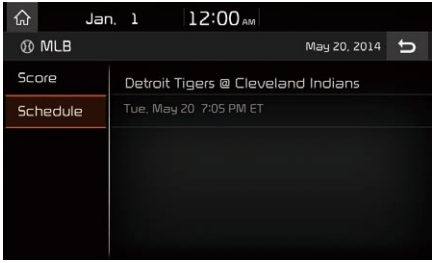


You can always check the list of teams that you added in the “My Teams” menu. Select the ☆ button on the right side of the team name to delete the team from “My Teams” or select the Add button to add other teams.



Select the team name to check daily results and recent schedules for that team.

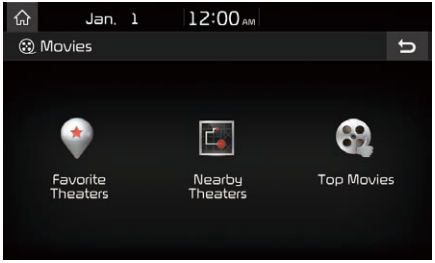




SiriusXM™ Movie Information

Select the SiriusXM Movies icon to enter the Movie mode.

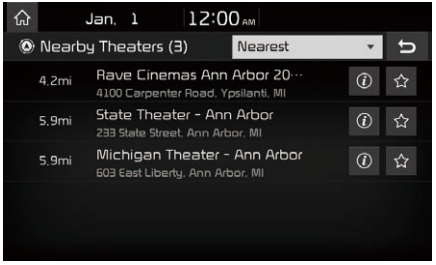
You can check recent movies and nearby theaters, and also register your favorite theater locations.

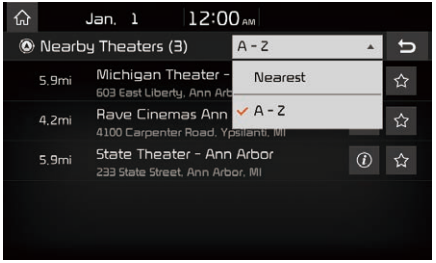


Search for Nearby Theaters, and Register Any Key Locations as Favorite Theaters.

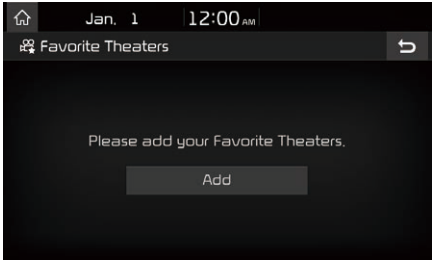
In the “Nearby Theaters” menu, you can search for any nearby theaters.

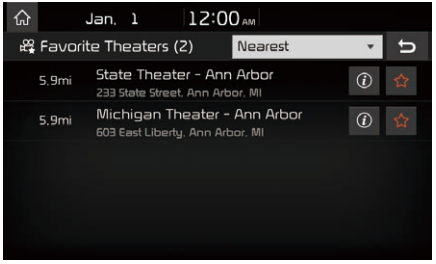
It shows theaters, starting from the nearest one, and selecting the “Nearest” menu at the top right side will sort them by name.





Select the ☆ button to the right of the list to register your favorite theater so that you can always check it again using the “Favorite Theaters” menu and selecting the ⓘ button to view the current movie information for that theater.





In the “Top Movies” menu, you can check for any movies that are currently popular. Select the ⓘ button to the right of a movie title to view the plot summary and any other detailed information.

MEMO

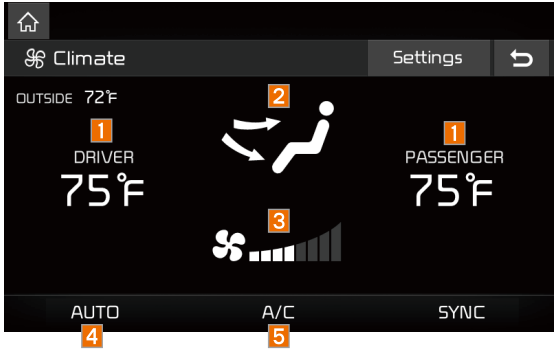
part.9 Other Features

Climate
Camera

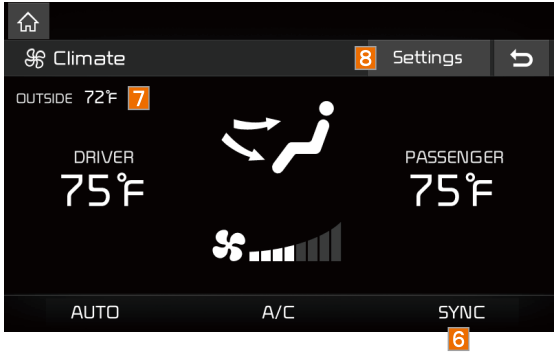
Climate

Press the CLIMATE key for the climate system to see status information in the full screen display.
While multimedia or navigation is in use, the climate system information will be displayed over top when you control the temperature (TEMP) or turn on the air conditioner (A/C).

Basic Mode Screen



Name	Description
1 Set the temperature of the driver's seat and passenger seats	Displays the configured temperature settings for the driver's seat and the passenger seats. Cooling or heating will continue until the temperature matches the configured temperature settings. *i* The internal temperaure can be controlled in incrments of 1°F within a range of 63°F to 89°F. *i* LOW is displayed when the temperature is set to anything below 63°F, and HIGH is displayed when it is set to anything above 89°F.
2 Air direction	Displays the configured air direction settings.
3 Air volume	Displays the configured air volume settings
4 Cooling/heating control status (AUTO)	Displayed when the AUTO key is pressed and cooling/heating operates automatically according to the configured temperature settings. *i* AUTO will be turned off when you try to do the following with AUTO on: - Control the air volume - Control the air direction - Turn the air conditioning (A/C) on/off - Turn on the moisture removal function for the windshield
5 Air conditioning control status	Displayed when the A/C key is pressed and the air conditioning starts cooling/heating.



Name	Description
6 Simultaneous temperature settings for the driver's seat and the passenger seats (SYNC)	Displayed when the SYNC key is pressed and the temperatures of the driver's seat and the passenger seats can be configured at the same time.
7 Outside Temperature	Displays the current temperature outside the vehicle.
8 Settings	Goes to the Climate Settings screen. Smart Ventilation and Auto Defog System can be turned on and off.

Camera

WARNING

- Backing Up & Using Camera

- Never rely solely on the rear view camera when backing up. Prior to entering your vehicle always do a visual check of the area behind your vehicle, and before backing up be aware of your surroundings and supplement the rear view camera by looking over your shoulders and checking your rear view mirrors. Due to the difficulty of ensuring that the area behind you remains clear, always back up slowly and stop immediately if you even suspect that a person, and especially a child, might be behind you.

NOTICE

- The camera screen shown while the system boots up does not display any text or buttons.
- A wide-angle lens is installed as the rear detection camera to get a wider view, so there may be some difference between the actual distance and the distance that appears. on-screen. For safety, make sure to view the back, right, and left sides of the car for yourself.
- The color of the parking guidelines displayed in the picture may differ from the actual screen.
- When booted up, blinking may occur when you switch to a UI screen.
- If Back-up Warning Priority is set in the Sound Settings, the audio volume is lowered when your car is driving backward.

Steering-linked camera

- This device is connected to a rear detection camera to see behind the car for safe reversing.
- The Rear View Camera turns on automatically if you shift the gear to R when the power is on or the engine has started.
- While the device boots up, shift the gear to "R" to activate the rear detection cameras. Shift the gear to another position to deactivate the rear detection camera.

⚠ CAUTION

- Because the cameras use wide-angle lenses to provide a wide view, the distance in the view may appear different to the actual distance. Always check the left and right views for safety.

Name	Description
1 Red Line	About 0.5 m from the rear bumper
2 Yellow Line 1	About 1 m from the rear bumper
3 Yellow Line 2	About 3 m from the rear bumper
4 Yellow Line 3	Trajectory of the wheel on the driver's side
5 Yellow Line 4	Trajectory of the wheel on the passenger side
6 Blue Line	Neutral steering trajectory

As you reverse your car and monitor the area behind your car, the steering-linked driving trajectory and the neutral driving trajectory are both displayed.

MEMO

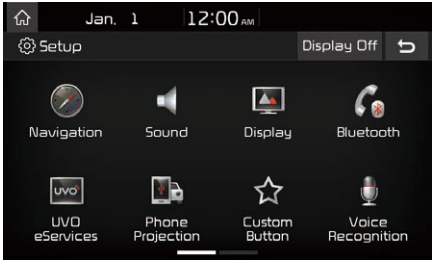
part.10 Setup

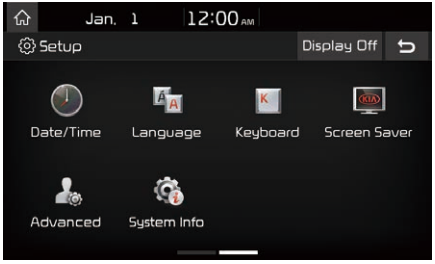
Navigation Settings
Sound Settings
Display Settings
Bluetooth Settings
UVO eServices Settings
Phone Projection Settings
Custom Button Settings
Voice Recognition Settings
Date/Time Settings
Language Settings
Keyboard Settings
Screen Saver Settings
Advanced Settings
System Info

Setup

Setup is the screen to control Multimedia system settings.

To enter the screen, press the SETUP key or the Setup icon in All Menus.



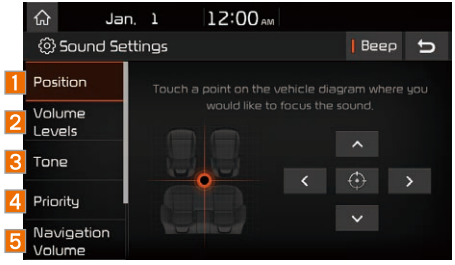


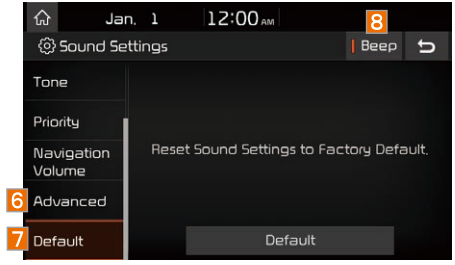
Navigation Settings

For more details, refer to part 6. Navigation Settings.

Sound Settings

Adjusts the sound effects for the whole system.





Features	Description
1 Position	Select the Up/Down/Left/ Right button to control sound positioning. Select ⊕ to concentrate the sound on the center of vehicle.

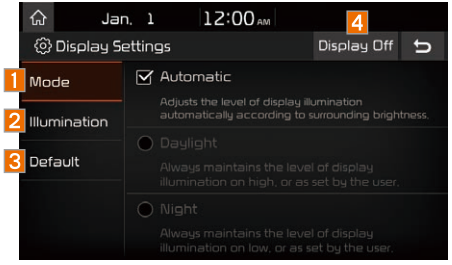
Features	Description
2 Volume Levels	Sets the volume of broadcast, media, ringtone, etc., respectively.
3 Tone	Drag the slide bar to control Bass/Midrange/Treble settings. Select Center to initialize the settings.
4 Priority	Sets the volume ratio when reversing the car, turning on the car's ignition, etc.
5 Navigation Volume	Sets the method of navigation guidance volume adjustment.
6 Advanced	Select additional audio options such as "Speed Dependent Volume Control" that automatically controls Audio volume according to vehicle speed.
7 Default	Resets the sound to factory default settings.
8 Beep	Select to activate a beep when pressing buttons.

Information

- Advanced sound settings may differ according to selected AMP option.
- The seat shape may differ according to vehicle model.

Display Settings

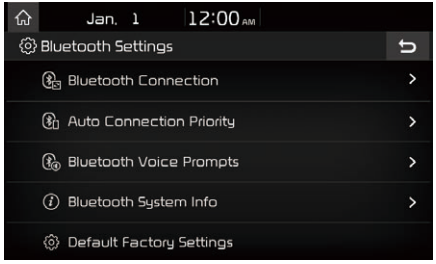
Adjusts the level of illumination for the entire system.



Features	Description
1 Mode	Select any of LCD illumination change modes: Automatic (changes the level automatically), Daylight, and Night.
2 Illumination	Set the levels of illumination for day and night. Select Default to initialize the settings.
3 Default	Resets the display to factory default settings
4 Display Off	Provides the Display Off (touch activation) function.

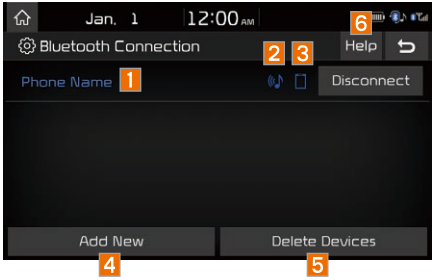
Bluetooth Settings

Changes Bluetooth phone settings.
Press the SETUP key ▶ Select Bluetooth icon.



Bluetooth Connection

Press the SETUP key ▶ Select Bluetooth ▶ Select Bluetooth Connection.



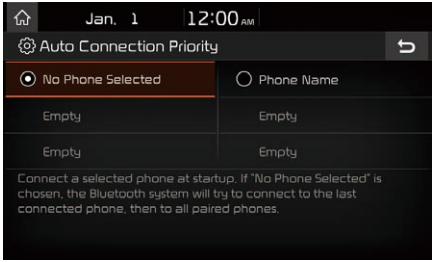
Features	Description
1 Paired Device List	Displays the paired Bluetooth device list. When selecting from the list, the device is connected or disconnected.
2 Bluetooth Audio Connection Status	An icon appears when you make a Bluetooth Audio connection.
3 Bluetooth Hands-Free Connection Status	An icon appears when you make a Bluetooth Hands-free connection.
4 Add New	Register a new Bluetooth device.
5 Delete Devices	Select and delete a paired device.
6 Help	Switches to the Bluetooth Connection Help screen.

Information

- Up to 5 Bluetooth devices can be paired.
- Only one Bluetooth device can be connected at a time.
- During a Bluetooth device connection, another device cannot be paired.
- When you delete a paired device, the Call History and Contacts stored in the head unit are also deleted.
- Bluetooth Hands-free and Bluetooth Audio functions are supported.
- Hands-free and audio-supported devices, such as a Bluetooth smartphone or audio, will function normally.
- When a Bluetooth device is connected, if the Bluetooth connection is unexpectedly disconnected, due to being out of communication range, the device powering off, or a Bluetooth communication error, the Bluetooth device automatically searches for and connects to nearby Bluetooth devices.
- If the system is not stable, due to a vehicle-Bluetooth device communication error, restore the Default Factory Settings.
- For Default Factory Settings, the Bluetooth Settings are reset to factory settings.
- Press the SETUP key ▶ Select Bluetooth ▶ Select Default Factory Settings.

Auto Connection Priority

Press the SETUP key ▶ Select Bluetooth ▶ Select Auto Connection Priority.



When the engine is running, the selected Bluetooth device is automatically connected. If you fail to connect the selected device, the previously-connected device is automatically connected, and if it also fails, then it tries to connect all paired devices sequentially.

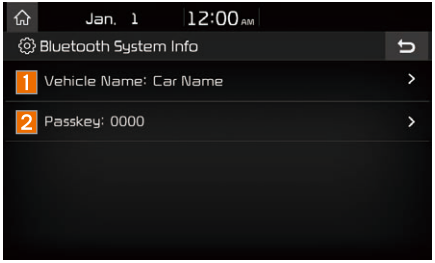
Depending on auto connection priority, connection to a device may take time.

Bluetooth Voice Prompts

Press the SETUP key ▶ Select Bluetooth ▶ Select Bluetooth Voice Prompts.

Bluetooth System Info

Press the SETUP key ▶ Select Bluetooth ▶ Select Bluetooth System Info.



Features	Description
1 Vehicle Name	You can change the Bluetooth device name of the vehicle.
2 Passkey	You can change the passkey used for Bluetooth device authentication. the initial passkey is 0000.

Information

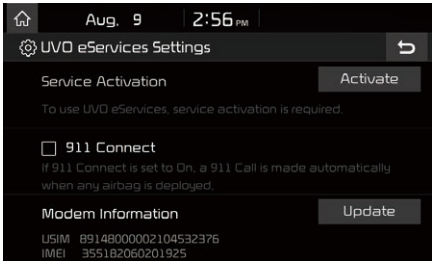
- The vehicle name above is an example. Check the actual information on the product.

UVO eServices Settings

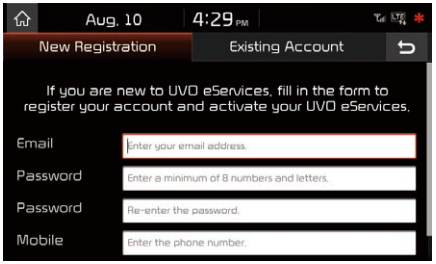
Service Activation (when the service is not activated)

After you buy your car, you need to activate (register for) UVO eServices to use any UVO eServices features, including Vehicle Diagnostics, My POIs, and eServices Guide. If you are a first time user when you activate UVO eServices, you need to register for a new account by entering your email address, your phone number, and a password. (To register for a new account, you must accept the Terms & Conditions.) If you have an existing account registered on MyUVO.com, you must enter the email address and password you used when registering for an account.

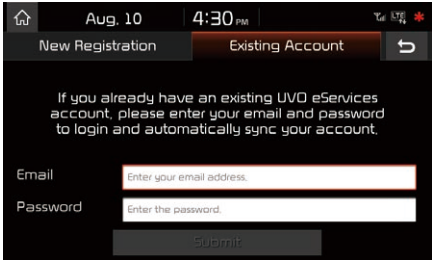
1. Press UVO key ▶ eServices Settings ▶ Activate.



2. Registering for a new account
: Select the New Registration tab to enter your email address, your phone number, and a password twice. Select Submit.

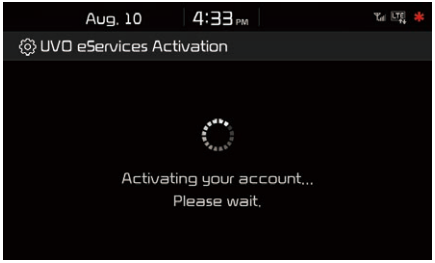


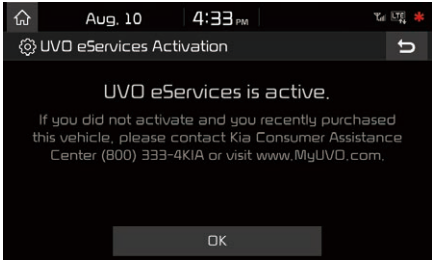
3. Registering for an existing account
: Select the Existing Account tab to enter your email address and password. Select Submit.



NOTICE

- You cannot enter your email address, your phone number, or password while your vehicle is in motion. Please enter your information after your vehicle is parked.





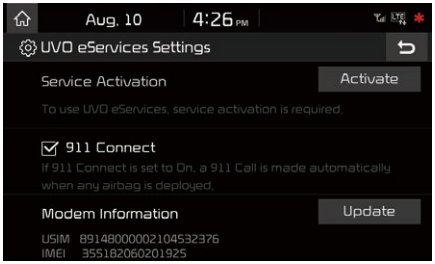
NOTICE

- Do not turn the engine off while activation is in progress.
- If activation fails, contact the UVO Center at (800) 333-4KIA.
- During service activation, the hard keys in the head unit do not work.

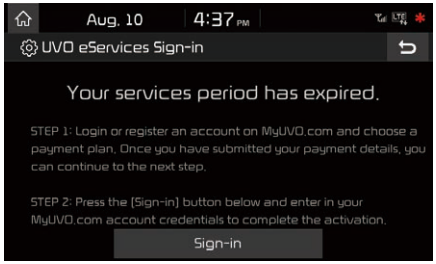
Service Activation (when the service is expired)

If your UVO eServices period is expired, the UVO eServices features (911 Connect, Roadside Assist, Vehicle Diagnostics, My POIs, and eServices Guide) are not available. To use the UVO eServices features, please reactivate your service. When reactivating your service, please enter the email address and password you used when registering for an account on MyUVO.com.

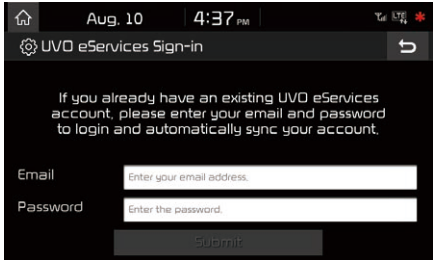
1. Press UVO key ▶ eServices Settings ▶ Activate.

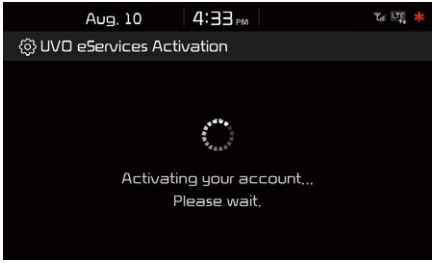


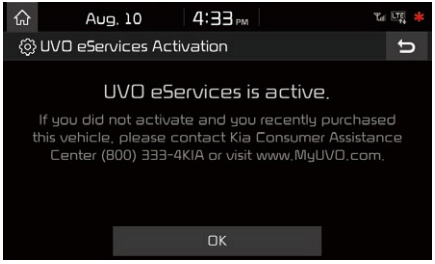
2. Select Sign-in.



3. Enter your email address and password, and then select Submit.



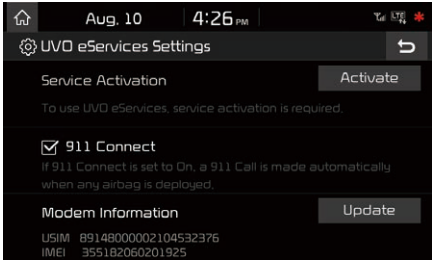




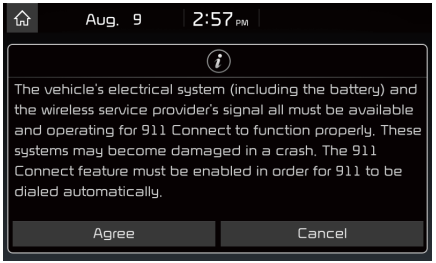
911 Connect

You can configure the 911 Connect feature.When an airbag deploys, the 911 Connect feature automatically calls 911 and sends the location information of your vehicle to a 911 operator. The 911 Connect feature is set to off by default. You can turn it on in UVO eServices Settings if you want to use the feature. You must accept the terms and conditions for 911 Connect in order to use the feature.

1. Press UVO key ▶ eServices Settings.
2. Select or deselect the check box next to 911 Connect to turn on or off the 911 Connect feature.



3. After you select the check box, read the user agreement and select Agree.



4. When an airbag deploys, the 911 Connect feature automatically calls 911 and sends the location information of your vehicle to a 911 operator.

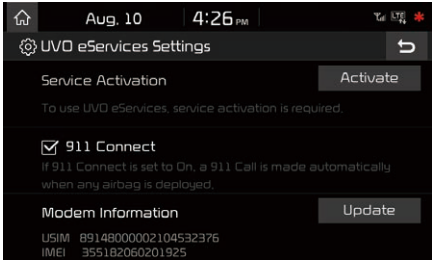
NOTICE

- If 911 Connect is turned on, you can use the feature without registering for UVO eServices.
- If 911 Connect is turned on, the * icon is displayed in the status bar.

Modem Information

This feature is used to show the USIM and IMEI modem information.

Press UVO key ▶ eServices Settings.

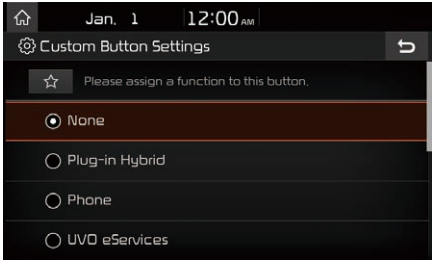


Phone Projection Settings

For more details, refer to Phone Projection guide.

Custom Button Settings

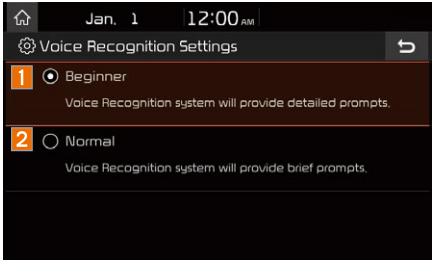
You can choose the feature to be accessed when the ☆ key is pressed.



Setting it to a feature that you frequently use will allow you to access the feature quickly and conveniently anytime.
For example, setting it to My Menu will enable you to access the My Menu screen by pressing the ☆ key.

Voice Recognition Settings

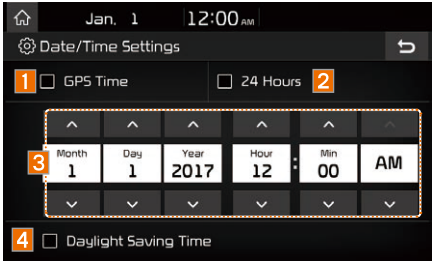
Configure how to make a call with Voice Recognition Guidance and Voice Recognition.



Features	Description
1 Beginner	For beginners, the voice recognition system provides voice prompts.
2 Normal	For normal users, the voice recognition system provides simple and short voice guidances.

Date/Time Settings

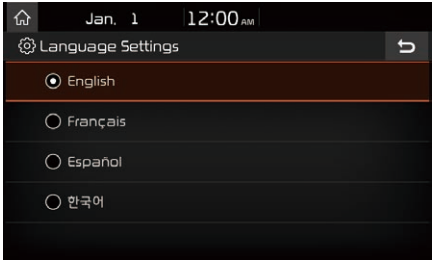
Configure the settings for time and date. Using the arrow buttons, you can change the values. Date/Time settings do not automatically change when crossing into different time zones. The time must be changed manually on this screen.



Features	Description
1 GPS Time	The time display is set in GPS Time.
2 24 Hours	The time display is set in 24-hour format.
3 Direct entry	If you tap any value, you can directly enter the number in the following screen.
4 Daylight Saving Time	The daylight saving time (DST) is applied.

Language Settings

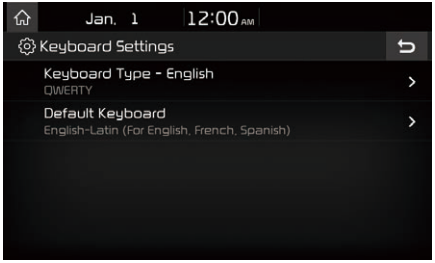
You can configure the displayed system language.



When the language is changed, the system language is automatically changed. Unique data including MP3 file name is not changed and voice recognition does not support some languages.

Keyboard Settings

You can configure the keyboard layout for each language.



You can configure ABCD or QWERTY keyboards for the system.

Information

- Configured keyboard layouts are applied to all input modes.

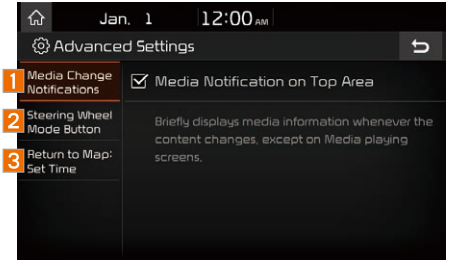
Screen Saver Settings

You can select any of the following screen formats to be displayed when the screen or power is turned off (press and hold the Power button).

- Digital clock and date
- Analog clock and date
- None

Advanced Settings

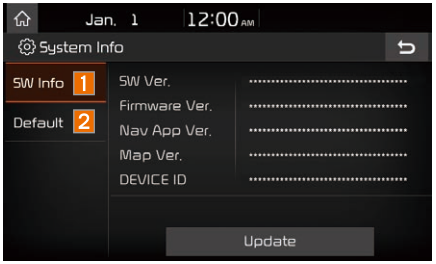
Sets alerts per function if desired by the user.



Features	Description
1 Media Change Notifications	Sets whether to display media information at the top of the screen as the next item is played when not on the media screen.
2 Steering Wheel Mode Button	Sets the media to be played when the steering wheel or rear seat (if provided) MODE button is pressed.
3 Return to Map: Set Time	Sets the time after which the screen will return to the map screen from the broadcast/music playback screen.

System Info

System version information and update details are available.



Features	Description
1 SW Info	Select the Update button to update the system.
2 Default	When Default is selected, the settings are changed to factory defaults.

System Update

At the System Info screen, insert the updated memory (USB or SD card) with the latest file downloaded, and then select the Update button to begin updating. The system will then reboot automatically.

Information

- This product needs supplemented software updates and additional functions, which collectively may take some time to complete, depending on the amount of data.

NOTICE

- If the power is disconnected or the USB or SD card is removed during an update, the data might be damaged. Please wait until the update is complete while the engine is on.
- When Default is selected, it may delete all of the data and settings so be cautious of your action.

MEMO

part.11 Appendix

Product Specification
Troubleshooting
FAQ

Appendix

Product Specification

TFT-LCD

Screen Size	8 inch (176.4 X 99.36 mm)
Resolution	384000 pixels (Resolution: 800 x 480)
Operating Method	TFT(Thin Film Transistor) Active Matrix
Viewing Angle	Left/Right, Top/Bottom: ALL 89°
Internal Lighting	LED

Radio

Channels	FM: 87.5 MHz to 107.9 MHz(Step: 200 kHz)
	AM: 530 kHz to 1710 kHz(Step: 10 kHz)
Sensitivity	FM: Under 10 dBuV/AM: Under 35 dBu EMF
Distortion Factor	Within 2 %

Common

Power Supply	DC 14.4 V	Operating Power	DC 9 V to DC 16 V
Sleep Current	• 1 mA or less (after 96 hours with ACC OFF) • 10 mA or less (before 96 hours with ACC OFF)		
Operating Temperature	-20 to +70 °C (-4 to +158 °F)	Storage Temperature	-30 to +80 °C (-22 to +176 °F)
Dimensions	178 X 140.2 X 60 mm (Main BOX)		
Current Consumption	2.5 A	Weight	1.945 kg

MODEM RF SPEC

LTE	RX	Frequency	2110MHz~2155MHz(B4), 746MHz~756MHz(B13)
		Sensitivity	-96.3dBm under@10M(B4), -93.3dBm under@10M(B13) (Throughput ≥95%)
	TX	Frequency	1710MHz~1755MHz(B4), 777MHz~787MHz(B13)
		Max RF Output Power	Power Class3(B4, B13), 20.3dBm ~ 25.7dBm (conducted)
CDMA	RX	Frequency	869MHz~894MHz(BC0), 1930MHz~1990MHz(BC1)
		Sensitivity	-104dBm under (FER = 0.5% under)
	TX	Frequency	824MHz~849MHz(BC0), 1850MHz~1910MHz(BC1)
		Max RF Output Power	Power Class3(BC0), Power Class2(BC1), 23.01dBm ~ 30dBm(conducted)

Bluetooth® Wireless Technology

Frequency Range	2402 to 2480 MHz	Supported Bluetooth® Specification	3.0
Supported Profile	Handsfree(1.6), A2DP(1.2), AVRCP(1.4), PBAP(1.0)		
Bluetooth Power Class 2	-6 to 4 dBm		
Number of Channels	79 channels		

Troubleshooting

1. Errors which occur during the operation or installation of the device may be mistaken as a malfunction of the actual device.
2. If you are having problems with the device, try the suggestions listed below.
3. If the problems persist, contact your Kia dealer.

Problem	Possible Cause
There are small red, blue, or green dots on the screen	• Because the LCD is manufactured with technology requiring high point density, a pixel or lighting deficiency may occur within 0.01% of total pixels
The sound or image is not working	• Has the Switch for the vehicle been turned to [ACC] or [ON]? • Has the SYSTEM been turned OFF?
The screen is being displayed but sound is not working	• Has the volume been set to a low level? • Has the volume been muted?
When the power is turned on, the corners of the screen are dark	• The display appearing somewhat dark after prolonged periods of use is normal with LCD panels. It is not a malfunction • If the screen is very dark, contact your nearest Kia dealer for assistance
Sound is working from only one speaker	• Are the positions of Fader or Balance sound controls adjusted to only one side?
Sound does not work in AUX mode	• Are the audio connector jacks fully inserted into the AUX terminal?
The external device is not working	• Is the external device connected with a standard connector cable?
Upon turning power on, the most recent mode screen is not displayed	Within modes that play files by reading external sources, such as USB, iPod, or Bluetooth® streaming mode, the most recently played mode screen prior to turning off power may not properly load • If the corresponding device is not connected, the mode operated prior to the most recent mode will operate • If the previous mode still cannot be properly played, the mode operated prior to that will operate

Problem	Possible Cause	Countermeasure
The power does not turn on	The fuse is disconnected	• Replace with a suitable fuse • If the fuse is disconnected again, please contact your point of purchase or Kia dealer
	Device is not properly connected	• Check to see that the device has been properly connected
The system does not play	The vehicle battery is low	• Charge the battery If the problem persists, contact your point of purchase or Kia dealer

Problem	Possible Cause	Countermeasure
The image color/tone quality is low	• The brightness, saturation, hue, and contrast levels are not set properly	• Properly adjust the brightness, saturation, hue, and contrast levels through Display Setup
Sound does not work	• The volume level is set to the lowest level • The connection is not proper • The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode	• Adjust the volume level • Check to see that the device has been properly connected • The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode
The sound or image quality is low	• Vibration is occurring from where the conversion switch has been installed • Image color/tone quality is low	• The sound may be short-circuited and the image distorted if the device vibrates • The device will return to normal once vibrations stop

Problem	Possible Cause	Countermeasure
The USB does not work	• USB memory is damaged	• Please use the USB after formatting it.
	• USB memory has been contaminated	• Remove any foreign substances on the contact surface of the USB memory and multimedia terminal
	• A separately purchased USB HUB is being used	• Directly connect the USB memory with the multimedia terminal on the vehicle
	• A USB extension cable is being used	• Directly connect the USB memory with the multimedia terminal on the vehicle
	• A USB which is not a Metal Cover Type USB Memory is being used	• Use standard USB Memory
	• An HDD type, CF, SD Memory is being used	• Use standard USB Memory
	• There are no music files which can be played	• Only MP3, WMA file formats are supported. Please use only the supported music file formats

Problem	Possible Cause	Countermeasure
The iPod is not recognized even though it has been connected	• There are no titles which can be played	• Use iTunes to download and save MP3 files into the iPod
	• The iPod firmware version has not been properly updated	• Use iTunes to update the firmware version and reconnect the iPod with the device
	• The iPod device does not recognize downloads	• Reset the iPod and reconnect with the device
Bluetooth does not work or its limited functions are available	• Bluetooth on your mobile phone is set to OFF	• Set it to ON
	• The Bluetooth connection is not made	• Make the connection active

Information

- While operating the device, if an abnormality occurs that cannot be corrected with the above described measures, press the RESET key to reset the system.
- Press and hold the RESET key (more than 1 second). The device power will turn off and the system will reset.

FAQ

About Pairing Mobile Phones

Q I cannot pair my mobile phone. What is the cause?

A Check to see that the mobile phone supports Bluetooth® function. Verify if Bluetooth on the cell phone is set to OFF. If so, set it to ON. If the cell phone still can't be registered, try again after turning Bluetooth off and on, or delete the device registration on the multimedia system and cell phone and then register the cell phone again.

Q What is the difference between pairing a mobile phone and connecting a mobile phone?

A Pairing occurs through authenticating the head unit and mobile phone. Mobile phones paired to the head unit can be connected and disconnected until the paired mobile phone is deleted from the system. Bluetooth® Handsfree features, such as making/answering calls or managing contacts, are supported only in mobile phones connected with the head unit.

Q What is a Passkey?

A A passkey is the password used to authenticate the connection between the head unit and mobile phone. The passkey only needs to be entered once when pairing the mobile phone for the first time.

The initial passkey is 0000. You can change it with SETUP ▶ Bluetooth ▶ Bluetooth System Info ▶ Passkey menu options.

About Making/Answering Phone Calls

Q How can I answer a call?

A When there is an incoming call, a notification pop-up will become displayed. To answer the incoming call, select the Accept button on the screen or the key on the steering wheel control.

To reject the call, select the Reject button on the screen or press the key on the steering wheel control.

Q What should I do if I am talking on the Handsfree but want to switch the call to the mobile phone?

A While on a call, press and hold (more than 0.8 seconds) the key on the steering wheel control or select the Use Private button at the bottom of the Phone screen to switch the call to your mobile phone.

About *Bluetooth*® Wireless Technology/ Multimedia System Use Environment

Q What is the range of my wireless connection?

A The wireless connection can be used within 15 yards.

Q How many mobile phones can be paired?

A It is possible to pair up to five mobile phones.

Q Why is call quality sometimes poor?

A Check the reception sensitivity of the mobile phone when call quality becomes worsened. The call quality may deteriorate when the signal strength is low. Call quality may also worsen if metal objects, such as beverage cans, are placed near the mobile phone. Check to see if there are metal objects in the vicinity of the mobile phone. The call sound and quality may differ depending on the type of mobile phone.

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Important Information

Before using your Multimedia system, read and follow all instructions and safety information provided in this end user manual ("User's Guide"). Not following precautions found in this User's Guide can lead to an accident or other serious consequences.

Keep User's Guide in Vehicle

When kept in the vehicle, the User's Guide will be a ready reference for you and other users unfamiliar with the Multimedia system. Please make certain that before using the system for the first time, all persons have access to the User's Guide and read its instructions and safety information carefully.

Warning

Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences. Do not change system settings or enter data non-verbally (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions as you may to distract your attention away from the road and remove your hands from the wheel.

General Operation

Voice Command Control

Functions within the Multimedia system may be accomplished using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the wheel.

Prolonged Views of Screen

Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention. Even occasional short scans to the screen may be hazardous if your attention has been diverted away from your driving task at a critical time.

Volume Setting

Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.

Navigation Features

Any navigation features included in the system are intended to provide turn by turn instructions to get you to a desired destination. Please make certain all persons using this system carefully read and follow instructions and safety information fully.

Distraction Hazard

Some navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can seriously distract your attention and could cause an accident or other serious consequences. Stop the vehicle in a safe and legal manner before attempting these operations.

Let Your Judgment Prevail

Any navigation features are provided only as an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. Any such feature is not a substitute for your personal judgment. Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.

Route Safety

Do not follow the route suggestions if doing so would result in an unsafe or illegal maneuver, if you would be placed in an unsafe situation, or if you would be directed into an area that you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and therefore, must evaluate whether it is safe to follow the suggested directions.

Potential Map Inaccuracy

Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions. Always use good judgment and common sense when following the suggested routes.

Emergency Services

Do not rely on any navigation features included in the system to route you to emergency services. Ask local authorities or an emergency services operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are contained in the map database for navigation features.

Use of Speech Recognition Functions

Speech recognition software is inherently a statistical process which is subject to errors. It is your responsibility to monitor any speech recognition functions included in the system and address any errors.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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.

Caution: Any changes or modifications to this device not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.