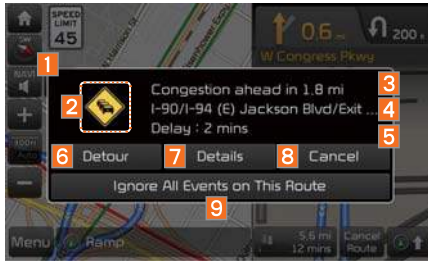


## Traffic Pop-up



If there is “red traffic flow” on the route, a traffic information pop-up is displayed.

On the traffic information pop-up window, brief information is displayed and Details and Detour can be selected.

If you do not wish to see this pop-up displayed again during the current route, select **Ignore All Events on This Route** button on the display.

Name	Description
1	Pop-up Icon
2	Symbol of traffic event
3	Road Name/Road Number
4	Distance from current location.
5	Estimated delay time.
6	Search detour route.
7	View the detailed information regarding traffic event.
8	Close the pop-up message.
9	Set not to display pop-up on the current route. (Maintained until the destination is reset)



On the traffic information pop-up, select detour or details to perform action.




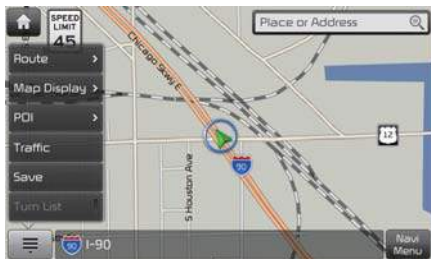
Press **Detour** to change the route.



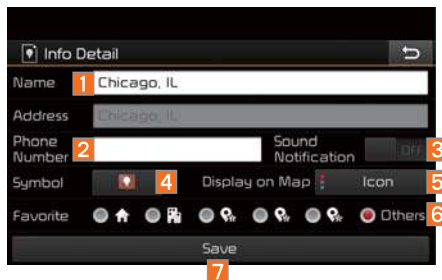
Press **Details** for further information.

## Save

Press 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	Select the <b>ON</b> , <b>OFF</b> button to set the sound notification.
4	Possible to register Symbol.
5	Press <b>Icon&amp;Name</b> , <b>Icon</b> or <b>None</b> to display on the map screen.
6	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.
7	Save the setting.

## Turn List

Press the  button on the bottom left of the screen ► Select the **Turn List**.



Turn on or off the Turn List.

# Destination Search

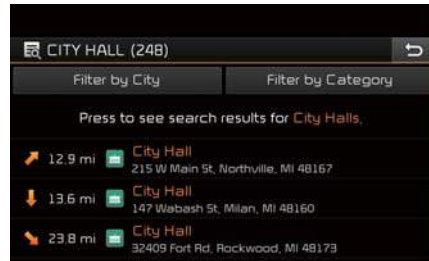
## Places

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

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Select the **Destination** tab. ▶ Select the **Place or Address** Search Bar.



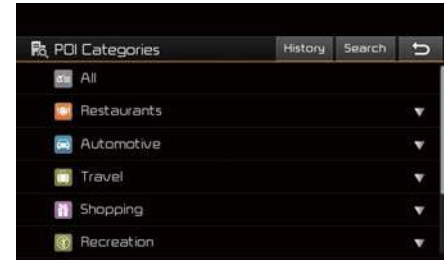
Enter the POI Name, Address and Coordinates of the location you want in the input window above, and press the **Done** button.



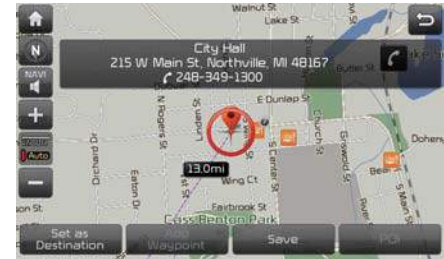
If you select a location from the search result list, it will bring you to the point.



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 **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ 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	Enter house number. If you don't know the house number, press <b>Skip</b> button.
3	Enter a street name. If same street names exist in other cities, the list of cities will be displayed.
4	Select a city before entering the street name. Addresses are searched only from the selected city.



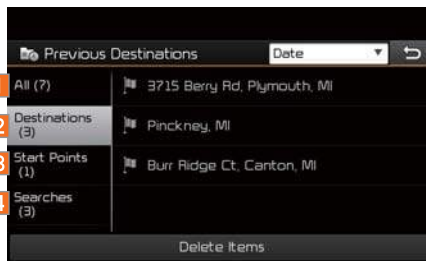
Enter the address to check the location information on the map.

Name	Description
1 <b>Set as Destination</b>	Set the location as a destination.
2 <b>Add Waypoint</b>	Set the location as a waypoint.
3 <b>Save</b>	Save the location.
4 <b>POI</b>	Search nearby POIs.

## Previous Destinations

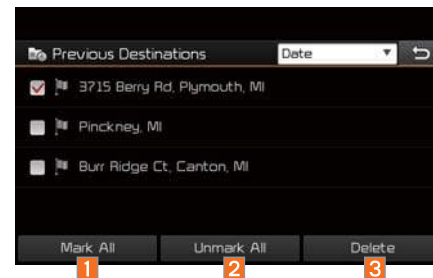
Select from previously inputted addresses and POIs.

Press the **MAP VOICE** head unit key. ▶ Select the **Nav Menu** in the bottom of right of the screen. ▶ 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. <b>i</b> 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

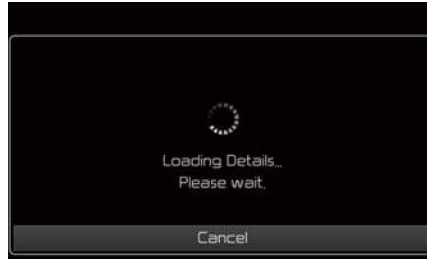
Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Select the **Destination** tab. ▶ Select the **Local Search** icon.



Runs Google Local Search.



Enter the desired keywords and press the **Done** button.



Searching is in progress.



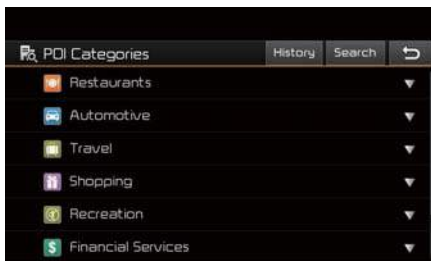
If one or more results are found, the search results are displayed. Select one of the search result.



Press the **Set as Destination** button to start guidance.

## POI Categories

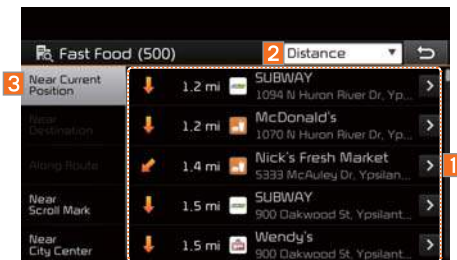
Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Select the **Destination** tab. ▶ Select the **POI Categories** icon.



Select the desired item.



Select the desired item in the sub-categories.

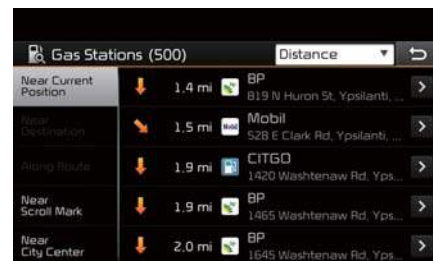


Name	Description
1	Select the desired destination among the searched items and add it as a way point.
2	Arrange in order of Distance and Name.
3	Arrange in order of Near Current Position, Near Destination, Along Route, Near Scroll Mark and Near City Center.

## Gas Stations

Search for gas stations.

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Select the **Destination** tab. ▶ Select the **Gas Stations** icon.



Select the desired destinations among the search items.

## Restaurants

Search restaurants.

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Select the **Destination** tab. ▶ Select the **Restaurants** icon.

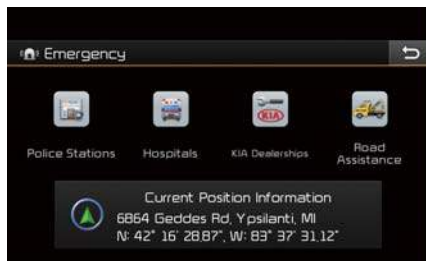


Select the desired destination among the searched items.

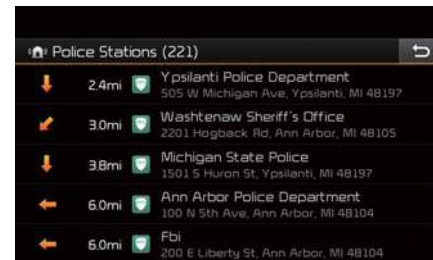
## Emergency

Search emergency facilities.

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ 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

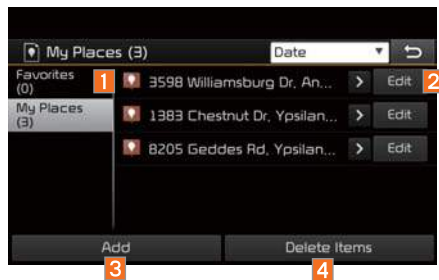
Search the destination with the address book.

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ 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 **Office** 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.

## Phone Number

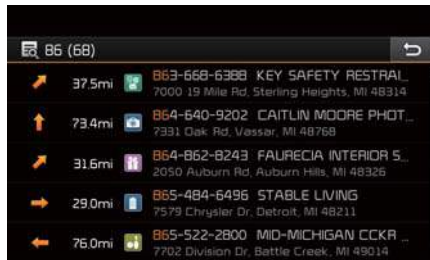
Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Flick the screen in up direction to scroll to the bottom row of icons in the Destination tab. ▶ Select the **Phone Number** to search POI by phone.



Search destination by phone number.



Type phone number to search. To search for a list of numbers based on a partial phone number entry, enter a few numbers and press **Done** to narrow the search results.



Select the desired destination among the searched items.



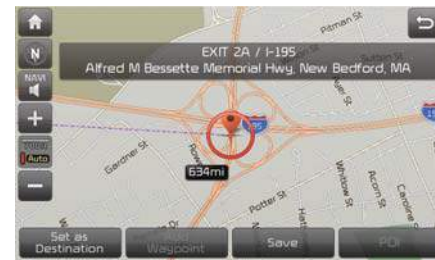
Press the **Set as Destination** button to start guidance.

## Freeway Exit/Entrance

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Select the **Freeway Exit/Entrance** to search by freeway exit/entrance.



Type freeway name and exit/entrance.



Press the **Set as Destination** button to start guidance.

## Intersection

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Select the **Intersection** to search by intersection.



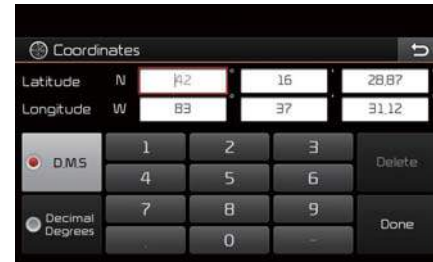
Type 1st Street name, the State, 2nd Street name.



Press the **Set as Destination** button to start guidance.

## Coordinates

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ 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 **Done** button to search.



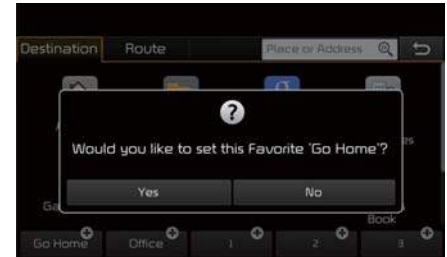
Press the **Set as Destination** button to start guidance.

## Favorite Places

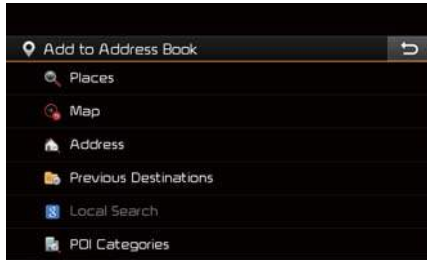
Set the route using your favorite places. Press the **MAP VOICE** head unit key. ▶ Select the **Nav Menu** in the bottom of right of the screen. ▶ Select the **Destination** tab. ▶ Select from favorite places.



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'.



Office, 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 **Set as Destination** and **Add Waypoint** appear.

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

## Destination Setting



After searching the destination, press the **Set as Destination** button to set the location as a destination.

## All Routes



When the alternative routes option is enabled in navigation setting, two routing options are displayed based on faster time and shorter distance.

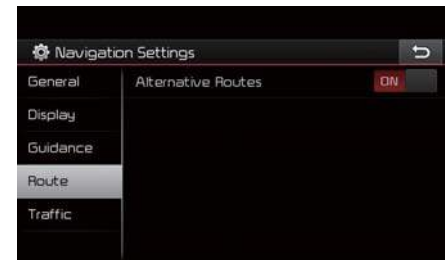
- **Faster Time:** Select time-optimized route, being the fastest roads.
- **Shorter Distance:** Select short distance, irrespective of how fast or slow progress will be calculated.

Name	Description
1 <b>Faster Time</b> 2.2 mi 8 mins <b>Shorter Distance</b> 2.2 mi 8 mins	Display total distance, travel time. Select the desired route.
2 <b>Start Guidance</b>	Start the guidance with the route.
3 <b>Route Options</b>	Change the route option.
4 <b>Route Info.</b>	You can check route information.
5 <b>Edit Route</b>	Edit the route.
6 <b>Total</b> 2.2 mi 8 mins	Display total distance of the route.
7 <b>Freeway</b> 0 ft	Display length of freeway on the route.
8 <b>Toll Road</b> 0 ft	Display length of toll road on the route.
9 <b>Ferry</b> 0 ft	Display length of Ferry route on the route.

The route will be calculated using the option “Faster Time” by default.



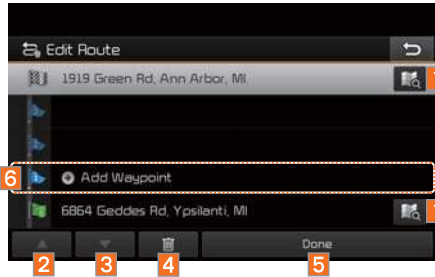
Alternative routes can be suggested if necessary, **SETUP** key ► **Navigation** Icon ► **Route** ► **Alternative: ON**



## Adding Waypoint



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

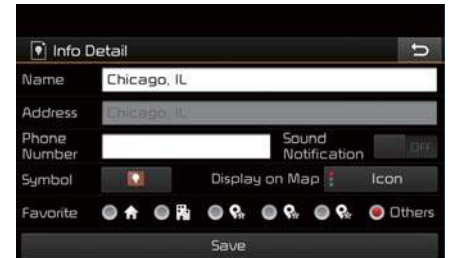


	Name	Description
1		Display the selected point on the map screen.
2		Move the selected item up.
3		Move the selected item down.
4		Delete the selected item.
5	<b>Done</b>	Press the button to finish editing.
6	<b>Add Waypoint</b>	Press the button to add waypoint.

## Registering Location



Press **Save** at the desired location to register the location.

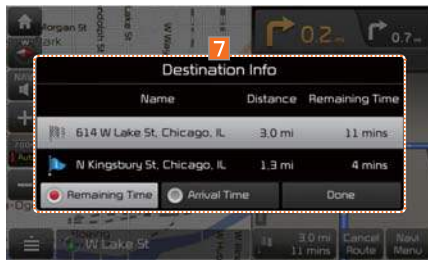
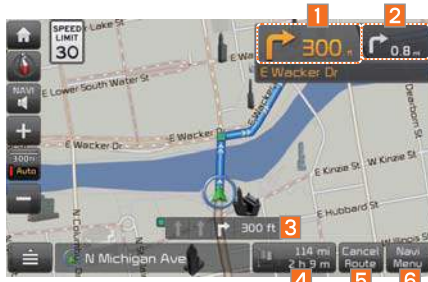


Enter the detailed information of the location to save.

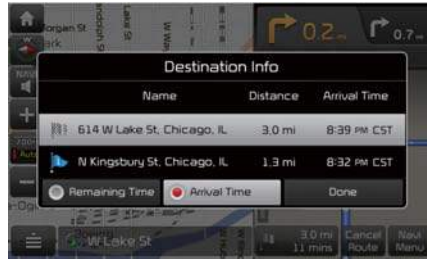
## Route Guidance

Show route guidance detailed information.

### Route Guidance Screen



Remaining Time: Display the time remaining until destination.



Arrival Time: Display the estimated time of arrival.



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	Enter the navigation menu screen.
7	Displays the destination information.
8	Turn on or off the Turn List.



## Split Screen during Route Guidance



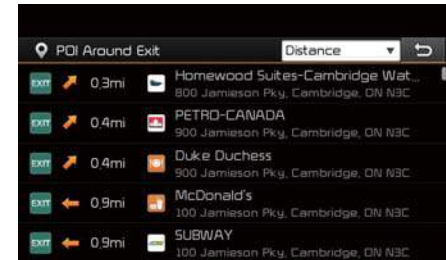
Approaching the turning point, the detailed road and travel information is automatically displayed on the right side of the screen.

Name	Description
	<ul style="list-style-type: none"> <li>• Turn Point: Displays direction and shape to turn shortly.</li> <li>• Distance to turn: Displays distance to next turn point.</li> </ul>
	Road name to maneuver: Info of the road.
	Detail Distance Bar: Displays distance to next turn point.



additional info can be displayed on Freeway.

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



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

# Route Search

## Canceling Route

Cancel the route.

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Press the **Route** tab. ▶ Select **Cancel Route**.



Press the **Cancel Route** icon.



Press the **Yes** button to cancel the route.

## Display Route Information

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Press 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.



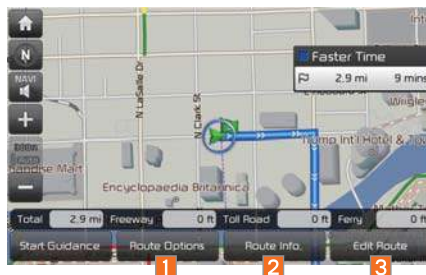
Check the desired item and press the **Done** button to finish.

## Route Overview

Check the information on route including the distance, estimated time, toll fees, etc. Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Press the **Route** tab. ▶ Select **Route Overview**.



Press the **Route Overview** icon.



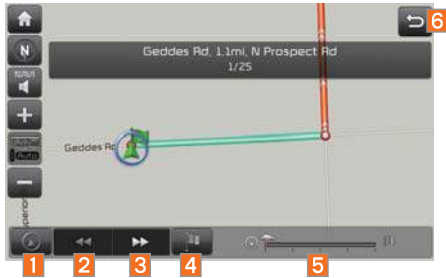
Name	Description
<b>1</b> Route Options	Change the search option.
<b>2</b> Route Info.	You can check route information.
<b>3</b> Edit Route	Edit the current route.

## Route Preview

Check the detailed turn-by-turn list. Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Press the **Route** tab. ▶ Select **Route Preview**.



Press the **Route Preview** icon.



Name	Description
1 Departure Place	Move to the departure location.
2 Previous	Move to the previous maneuver.
3 Forward	Move to the next maneuver.
4 Destination	Move to the destination location.
5 Section Displaying Bar	Touch bar to move to the specific position.
6 ↶	Close the route preview.

## Editing Route

Edit the current route.

Press the **MAP VOICE** head unit key. ▶ Select the **Nav Menu** in the bottom of right of the screen. ▶ Press 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 an waypoint.



Add the waypoint through various search-  
ing methods.

## Route Options

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Press the **Route** tab. ▶ Select **Route Options**.



Press the **Route Options** icon.



Determine the route options to guide the route.

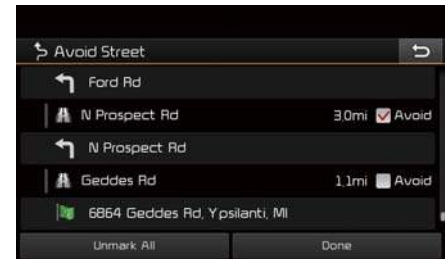
## Avoid Street

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

Press the **MAP VOICE** head unit key. ▶ Select the **Navi Menu** in the bottom of right of the screen. ▶ Press the **Route** tab. ▶ Select **Avoid Street**.



Press the **Avoid Street** icon.

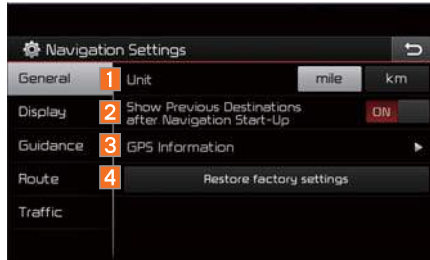


Press the **Done** to plan new route after selecting the street(s) that you want to avoid.

# Navigation Settings

## General

Change general settings.



Name	Description
1 Unit	Change the unit of <input type="radio"/> mile, <input type="radio"/> km.
2 Show Previous Destinations after Navigation Start-Up	Press the <input type="checkbox"/> ON, <input type="checkbox"/> OFF button to change the previous destination view setting when starting the navigation.
3 GPS Information	Check the GPS information.
4 Restore factory settings	Press the <input type="button" value="Restore factory settings"/> button to initialize.



Press the  to display the detail GPS satellites information.

Name	Description
1 <input type="button" value="Receiving"/>	Active when current position is being calculated.
2 Speed	Display current speed of the vehicle.
3 Location	Display current position of the vehicle.
4 Elevation	Display current elevation of the vehicle.
5 Time	Display time.
6 Date	Display date.

## Display

Change the display map settings.



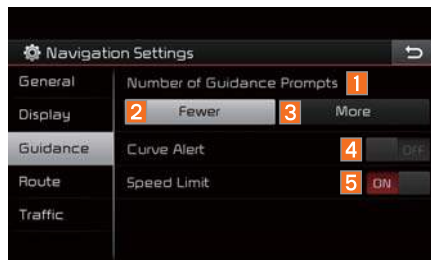
Change the map colors and the route guidance line colors.



Change the vehicle symbol.

## Guidance

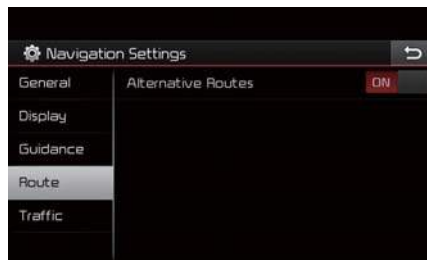
Change the guidance setting.



Name	Description
1 Number of Guidance Prompts	Set the frequency of guidance.
2 Fewer	Route guidance is given less frequently.
3 More	Guidance will be provided frequently.
4 Curve Alert	Change whether to turn curve alert <input type="checkbox"/> ON and <input type="checkbox"/> OFF.
5 Speed Limit	Change whether to show speed limit by pressing <input type="checkbox"/> ON and <input type="checkbox"/> OFF.

## Route

Change the route setting.



Press the  ON or  OFF button to change the Alternative Routes setting.

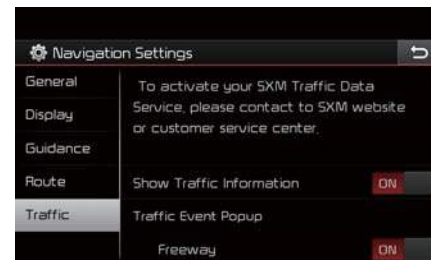
- Alternative on: Alternative routes will be suggested (depending on the route preference between “Faster time” and “Shorter Distance”).

### NOTICE

- Alternative routes can be shown only while the vehicle is not moving.
- Alternative off: No alternative routes will be suggested. Guidance will start right after calculating with the route preference (Faster time or Shorter distance).

## Traffic

Change the traffic information setting.



Press the  ON or  OFF button to change the settings.

- Show Traffic Information On/Off: Select whether to display traffic information or not.
- Traffic Event Pop-up Freeway On/Off: Select whether to display Pop-up message for traffic information on freeway.
- Traffic Event Pop-up Surface Road On/Off: Select whether to display Pop-up message for traffic information on surface road.

# 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 :

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• When driving on Y-shaped roads with narrow angles the current position may be displayed in the opposite direction</li> <li>• Within city streets, the current position may be displayed on the opposite side or on an off-road position</li> <li>• When changing the zoom level from maximum to a different level, the current position may become displayed on a different road</li> <li>• 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</li> <li>• When driving on a spiral-shaped road</li> <li>• When driving in mountain regions with sharp turns or sudden brakes</li> <li>• When entering a road after passing an underground parking structure, building parking structure, or roads with many rotations</li> <li>• When driving in heavy traffic with frequent starts and stops</li> </ul> | <ul style="list-style-type: none"> <li>• When driving under slippery conditions, such as heavy sand, snow, etc.</li> <li>• When driving on spiral-shaped roads</li> <li>• When the tires have recently been replaced (Especially upon use of spare or studless tires).</li> <li>• When using tires of improper size</li> <li>• When the tire pressure for the 4 tires are different</li> <li>• When the replacement tire is worn or used (Especially studless tires having passed a second season).</li> <li>• When driving near high-rise buildings</li> <li>• When a roof carrier has been installed</li> <li>• 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)</li> </ul> |
|--|--|

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

The following occurrences are not malfunctions :

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Guidance to go straight may be given while driving on a straight road</li> <li>• Guidance may not be given even when having turned at an intersection</li> <li>• There are certain intersections in which guidance may not occur</li> <li>• A route guidance signaling for a u-turn may occur in some No u-turn intersections</li> </ul> | <ul style="list-style-type: none"> <li>• Route guidance signaling entrance into a No-entry zone may occur (No-entry zone, road under construction, etc.)</li> <li>• 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</li> <li>• 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.)</li> </ul> |
|---|--|

These situations may occur after conducting route calculation.

The following occurrences are not malfunctions :

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Guidance may be given to a position differing from the current position when turning at an intersection</li> <li>• When driving in high speeds, route recalculation may take a longer period of time</li> <li>• Route guidance signaling for a u-turn may occur in some No u-turn intersections</li> </ul> | <ul style="list-style-type: none"> <li>• Route guidance signaling entrance into No-entry zone may occur. (No-entry zone, road under construction, etc.)</li> <li>• 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</li> <li>• 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.)</li> </ul> |
|---|---|



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- Turning off the power or ejecting the SD card during the update process may result in data loss. Make sure to keep the ignition on and wait until updating is complete.

## **CAUTION**

- Please use only the SD card that was included with the vehicle purchase.
- The use of a separately purchased SD card may result in damage due to heat related deformation.
- 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.

# part.6 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

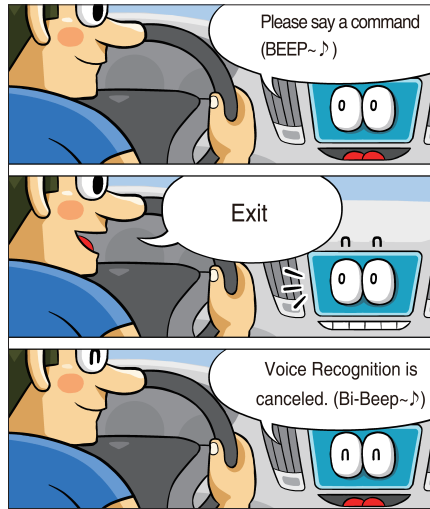
## Starting Voice Recognition

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.



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## Skipping Prompt Messages

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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.

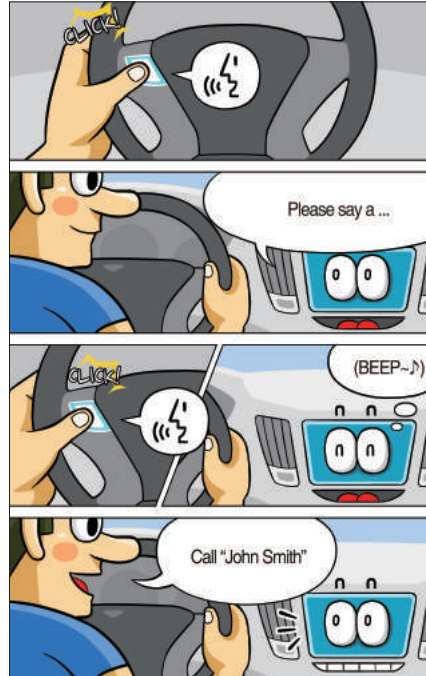
This results in faster operation when you feel the message is too long or you already know the command to use.

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### Information

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- Refer to Part 8 for instructions on how to change the Voice Recognition Settings.
- 



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## Adjusting Voice Recognition Volume

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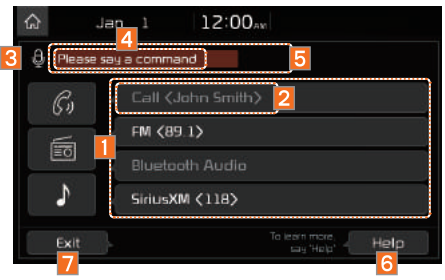
During voice recognition, rotate the volume knob to adjust the message volume.





# Voice Recognition Screen Overview

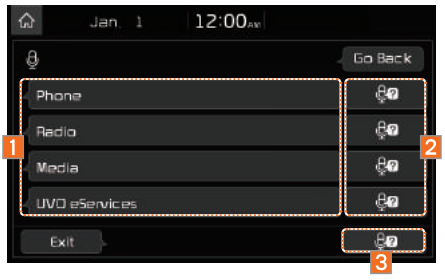
## Start Screen



Name	Description
<b>1</b> Representative Commands	Displays the representative commands.
<b>2</b> 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.

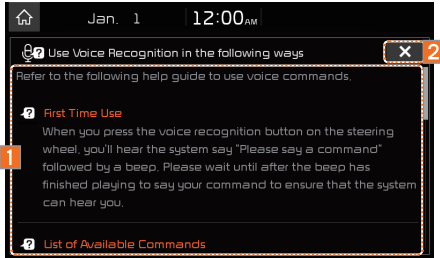
Name	Description
<b>3</b> Voice recognition status icons	<ul style="list-style-type: none"> <li>Standby</li> <li>Voice guidance</li> <li>Voice command process</li> </ul>
<b>4</b> Recognized results	Displays the voice recognition result.
<b>5</b> User's speaking volume being recognized	Displays the voice command volume in real time.
<b>6</b> Help	Displays all available help commands in a tree format.
<b>7</b> Exit	Ends the voice recognition.

## Help Display



Name	Description
<b>1</b> Command list	<ul style="list-style-type: none"> <li>Shows the available commands.</li> <li>Select or say a command to display additional commands in detail.</li> </ul>
<b>2</b> How to use for selected item	This section shows how to use voice recognition for the selected item.
<b>3</b> 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.

### **i** 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 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 3. Bluetooth > Chapter 3. Bluetooth Phone > 3.10 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
●	Redial	Directly calls at the number that you last dialed.
●	Call History	Displays your Call History, where you can say the list number to make a call.

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## Radio Commands

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Command		Operation
●	Radio	Plays the most recent radio channels from FM, AM, and SiriusXM™.
●	FM	Plays FM radio.
●	FM <87.5~107.9>	Tunes to FM <Frequency> according to what you say. e.g.) FM 87.5: FM eighty seven point five
●	SiriusXM	Plays SiriusXM™ radio.
●	SiriusXM <0~999>	Tunes to SiriusXM™ Channel <Channel Number> according to what you say. e.g.) SiriusXM 23: SiriusXM Twenty three
●	AM	Plays AM radio.
●	AM <530~1710>	Tunes to AM <Frequency> according to what you say. e.g.) AM 530: AM Five thirty
○	Preset <1~40>	Tunes to your preset stations (1 to 40).
○	Channel <0~999>	In SiriusXM™ Radio mode, turns on the <Channel Number> that you say.

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## Media Commands

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\* Check the following before you use media commands.

1. If no media is connected or if no playable files exist at the time when you use these commands, a voice message will tell you that this is not available.
2. If you say the name of the media that is currently playing again, then that media will continue playing.  
e.g.) Saying “USB” while USB content is playing.

Command		Operation
●	Music	Continues the last media you played.
●	iPod	Plays the iPod currently connected. This will work the same when an iPhone is connected. If a USB is connected, then it will be played instead of the iPod.
●	USB	Plays the music on the USB currently connected. If an iPod is connected, then the iPod will be played instead of the USB.
●	Bluetooth Audio	Plays the music on the Bluetooth phone currently connected. This may not be supported depending on the Bluetooth connection status.
●	AUX	Plays external devices that are currently connected.
●	My Music	Plays My Music files stored in the system.

## 1. USB Music/iPod/My Music Command

Command		Operation
<input type="radio"/>	Play	Plays a selected file. Maintains the current settings during playback.
<input type="radio"/>	Pause	Pauses a file that is playing. Maintains current settings while paused during playback.
<input type="radio"/>	Shuffle	Plays tracks or files randomly. Maintains current settings during shuffled playback.
<input type="radio"/>	Shuffle Off	Cancels Shuffle and plays tracks sequentially. Maintains current settings during sequential playback.
<input type="radio"/>	Repeat	Plays the current track or file repeatedly. Maintains the current settings during repeat playback.
<input type="radio"/>	Repeat Off	Cancels Repeat and plays multiple tracks or files. Maintains current settings during multiple track playback.

## 2. Bluetooth audio/AUX Command

For Bluetooth audio and external devices (AUX), local commands are unavailable, including Play, Pause, Repeat and Shuffle.

## UVO eServices Commands List

Command		Operation
●	Roadside Assist	Connect with a Roadside Assist agent.
●	Vehicle Diagnostics	Informs you if diagnostic issues are found in your vehicle
●	eService Guide	Provides guidance on how to use UVO eServices

## 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 1~4 (One~Four)	When you cannot select a certain name, such as in Call History, 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.

## Siri Eyes Free


---

### How to start Siri

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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 select the  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.



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### Information

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- 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.
-



MEMO

# part.7 Apps/Info

SiriusXM™ Data

# Apps/Info

## SiriusXM™ Data

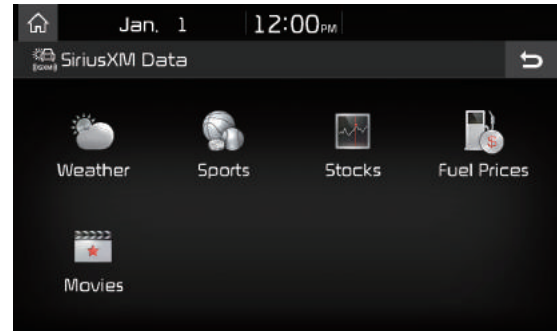
### About SiriusXM™ Data Service

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 **SiriusXM Data** icon after selecting All Menus or the **APPS/?** key to enter the SiriusXM™ Data mode.



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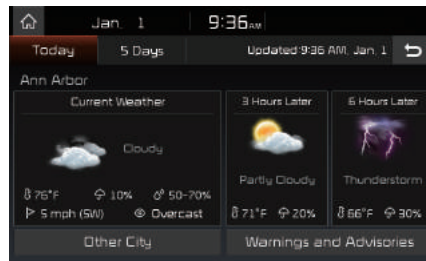
## SiriusXM™ Weather Announcement

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

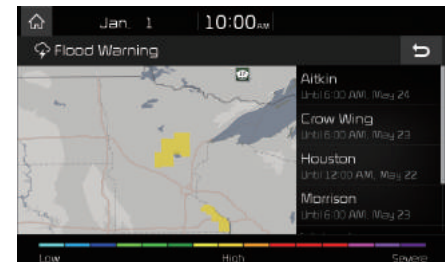
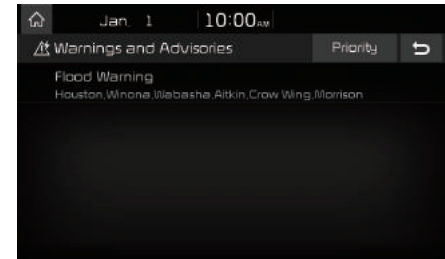
### Weather Forecast

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

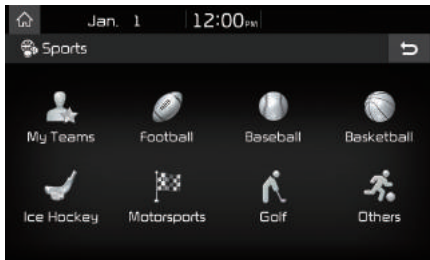
This service provides weather warnings and advisories, such as tornado, storm, flood, etc.



## SiriusXM™ Sports Information

Select the **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.

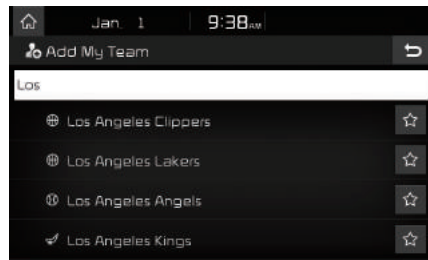
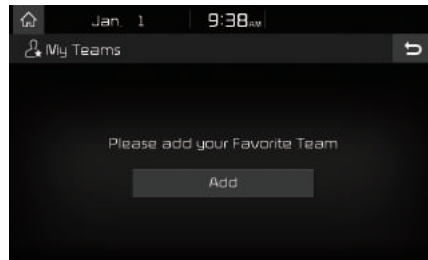


## My Teams

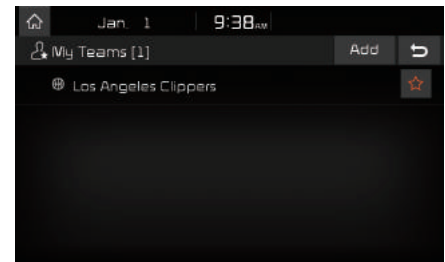
You can save teams which you are interested in as part of My teams to easily view related scores and schedules.

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

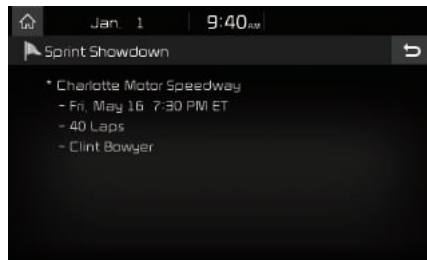
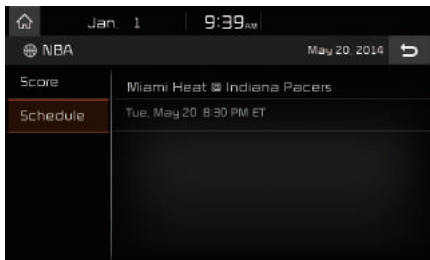
Search for your favorite teams and select the **☆** button on the right to add it to the “My Teams” list.



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™ Stock Information

In the “SiriusXM Data” screen, select the

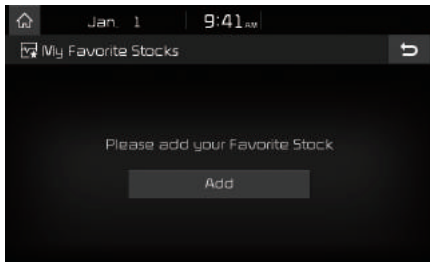
**Stocks** icon to enter the Stocks mode.

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

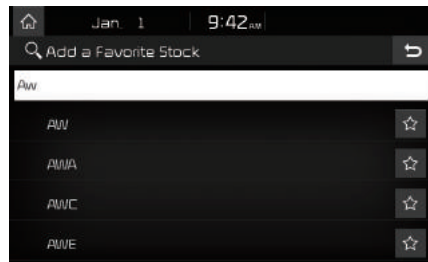
My Favorites shows a list of stocks added by the user. When entering the Stocks menu for the first time, a screen is displayed for you to add your favorite stock information. Select the **Add** button to move to the stock search screen.



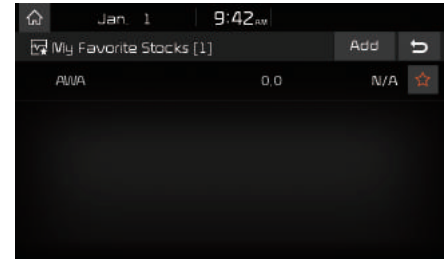
## Stock Search

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.

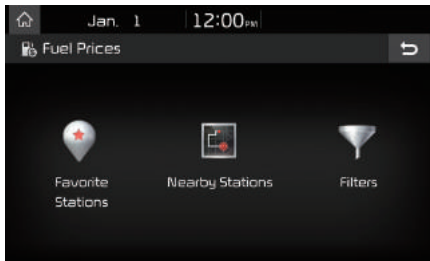


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## SiriusXM™ Fuel Price Information

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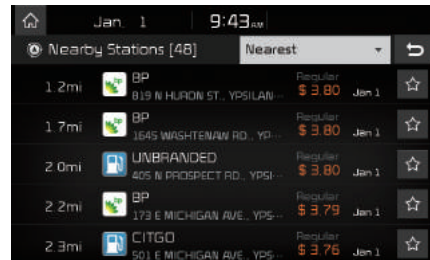
At the “SiriusXM Data” screen, select the **Fuel Prices** icon to enter the Fuel Prices Information mode.



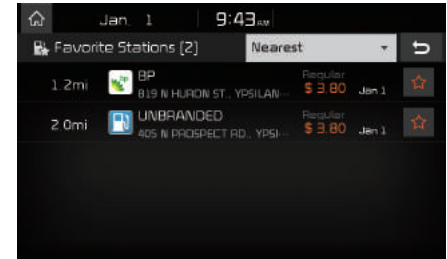
### Search for Nearby Stations, and Register Key Locations as Favorite Stations.

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.

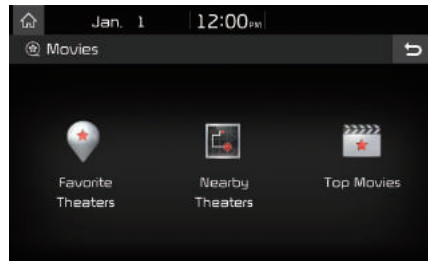
When searching for Nearby Stations, the results will reflect selected fuel types and brand information.



## SiriusXM™ Movie Information

Select the **Movies** icon to enter the Movie mode.

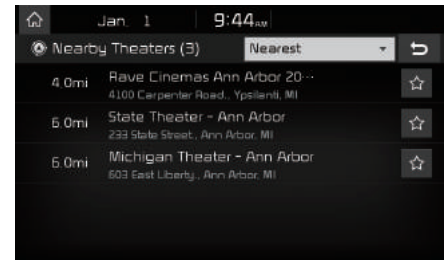
You can check recent movies and nearby theaters, and also register your favorite theater locations.





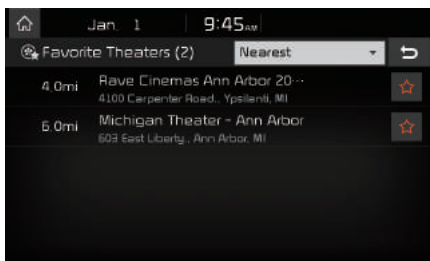
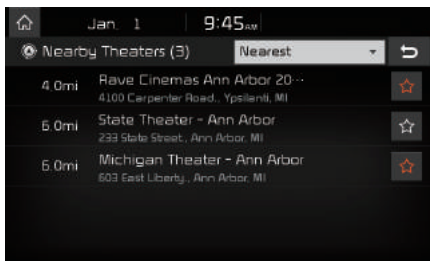
## Search for Nearby Theaters, and Register Any Key Locations as Favorite Theaters.


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.8 Other Features

Climate Mode  
Camera

# Other Features

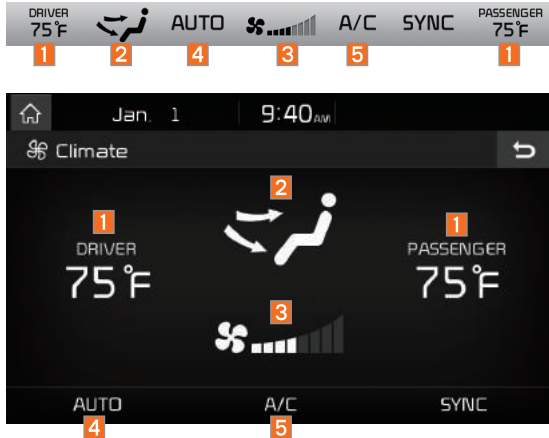
## Climate Mode

### Operating Climate Mode

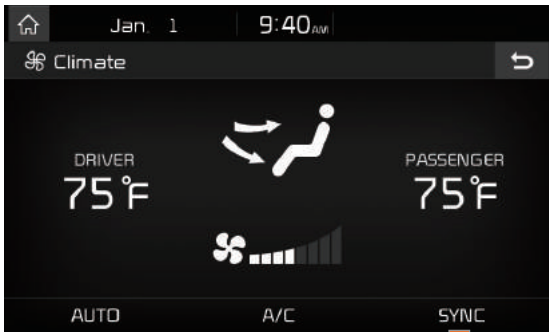
Press the **CLIMATE** key for the climate system to see status information in the full screen display.

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
<b>1</b> 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. <b>i</b> The internal temperature can be controlled in increments of 1°F within a range of 63°F to 89°F. <b>i</b> 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.
<b>2</b> Air direction	Displays the configured air direction settings.
<b>3</b> Air volume	Displays the configured air volume settings.
<b>4</b> Cooling/heating control status (AUTO)	Displayed when the <b>AUTO</b> key is pressed and cooling/heating operates automatically according to the configured temperature settings. <b>i</b> AUTO will be turned off when you try to do the following with AUTO on: <ul style="list-style-type: none"><li>- Control the air volume</li><li>- Control the air direction</li><li>- Turn the air conditioning (A/C) on/off</li><li>- Turn on the moisture removal function for the windshield</li></ul>
<b>5</b> Air conditioning control status	Displayed when the <b>A/C</b> key is pressed and the air conditioning starts cooling/heating.



Name	Description
<p><b>6</b> Simultaneous temperature settings for the driver's seat and the passenger seats (SYNC)</p>	<p>Displayed when the <b>SYNC</b> key is pressed and the temperatures of the driver's seat and the passenger seats can be configured at the same time.</p>

# 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.

## **i Information**

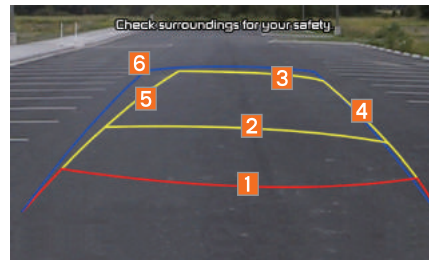
- A separate chipset is used for the camera screen while booting up, so it may be different after booting up.

## **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.

## **🔧 NOTICE**

- 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.



Name	Description
<b>1</b> Red Line	About 0.5 m from the rear bumper
<b>2</b> Yellow Line 1	About 1 m from the rear bumper
<b>3</b> Yellow Line 2	About 3 m from the rear bumper
<b>4</b> Yellow Line 3	Trajectory of the wheel on the driver's side
<b>5</b> Yellow Line 4	Trajectory of the wheel on the passenger side
<b>6</b> 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.



# part.9 Setup

- Setup
- Sound Settings
- Display Settings
- Bluetooth Settings
- UVO eServices Settings
- Home Screen Settings
- Wi-Fi Settings
- Clock Settings
- Voice Recognition Settings
- Language Settings
- Keyboard Settings
- Screen Saver Settings
- System Info



# Setup

## Setup

Setup is the screen to control Audio system settings.

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



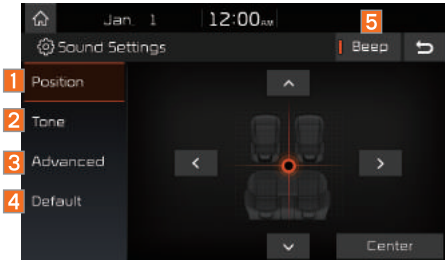
Features	Description
<b>1</b> Sound	Provides the sound control options for Position, Bass, Mid, Treble, Volume and Advanced settings.
<b>2</b> Display	Provides the Mode/Illumination settings.
<b>3</b> Bluetooth	Provides the Bluetooth Connection/Auto Connection Priority/Bluetooth System Information settings.
<b>4</b> UVO eServices	Provides the 911 Connect/Parking Minder/My Car Zone/Scheduled Diagnostics/Trip Info Sync Reminder Settings.
<b>5</b> Phone projection	For more details, refer to Phone projection guide.
<b>6</b> Home Screen	Provides the function to customize the three menu items at the bottom of the Home Screen.



Features	Description
<b>7</b> Wi-Fi	Provides the Wi-Fi On and Network Connection settings.
<b>8</b> Clock	Provides the Time and View settings.
<b>9</b> Voice Recognition	Provides the Guidance and Priority settings.
<b>10</b> Language	Provides the Change Language settings.
<b>11</b> Keyboard	Provides settings to switch keyboard layouts.
<b>12</b> Screen Saver	Provides the Clock/None settings.
<b>13</b> System Info	Provides software and storage space information.
<b>14</b> Display Off	Provides the Display Off (touch activation) function.

## 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 <b>Center</b> to concentrate the sound on the center of vehicle.
2 Tone	Drag the slide bar to control bass/mid/treble settings. Select <b>Center</b> to initialize the settings.

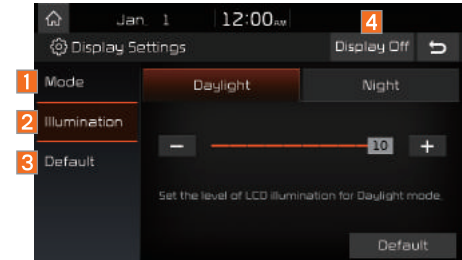
Features	Description
3 Advanced	Select additional audio options such as “Speed Dependent Volume Control” that automatically controls Audio volume according to vehicle speed as well as “Variable EQ”.
4 Default	Resets the sound to factory default settings.
5 Beep	Select to activate a beep when pressing buttons.

### **i** 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.



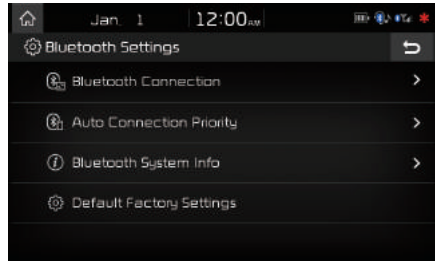
Features	Description
1 Mode	Select any of LCD illumination change modes: Automatic (changes the level automatically), Daylight, and Night.
2 Illumination	Set the levels of illumination for day and night. Select <b>Default</b> to initialize the settings.
3 Default	Resets the display to factory default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

# Bluetooth Settings

Changes Bluetooth phone settings.

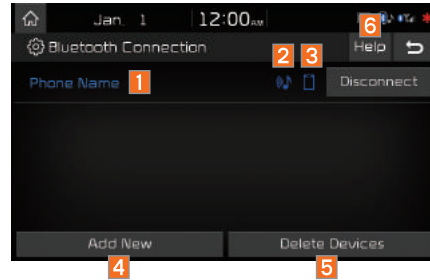
## Bluetooth Settings

Press the **SETUP** key ► Select **Bluetooth** icon.



## Bluetooth Connection Settings

Press the **SETUP** key ► Select **Bluetooth** ► Select **Bluetooth Connection**.



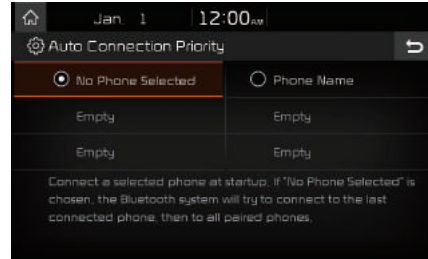
Features	Description
<b>1</b> Paired Device List	Displays the paired Bluetooth device list. When selecting from the list, the device is connected or disconnected.
<b>2</b> Bluetooth Audio Connection Status	An icon appears when you make a Bluetooth Audio connection.
<b>3</b> Bluetooth Hands-Free Connection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

## **i** 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** .

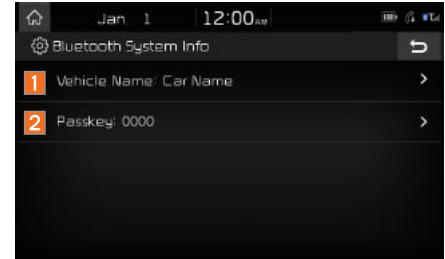


When the engine is running, the selected Bluetooth device is automatically connected. If you fail to connect the selected device, the previously-connected device is automatically connected, and if it also fails, then it tries to connect all paired devices sequentially.

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

## Bluetooth System Information

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



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

## **i** Information

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

---

## Default Factory Settings

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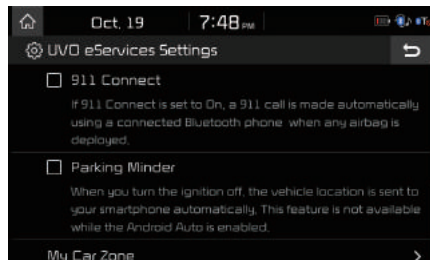
You can delete all paired devices and restore the Default Bluetooth Settings. For Default Factory Settings, all paired devices are deleted, and the system is reset to factory settings.

## UVO eServices Settings

Within the eServices Settings screen, UVO eServices related features can be set, such as activating 911 Connect, Parking Minder and setting the My Car Zone.

For safety reasons, My Car Zone Settings cannot be adjusted while driving. Park the vehicle before making any changes to your settings.

Press the **SETUP** key ▶ **UVO eServices**

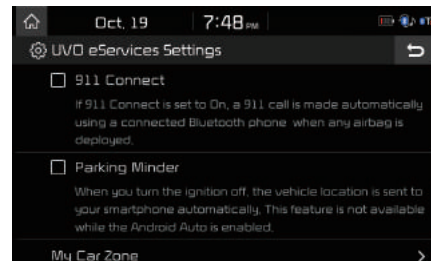


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## 911 Connect

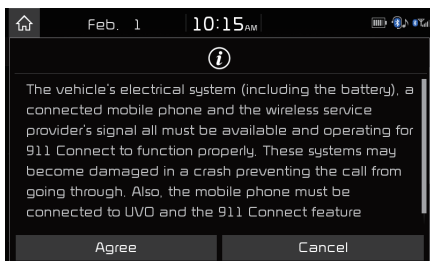
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This feature is used to turn on or off the 911 Connect feature.



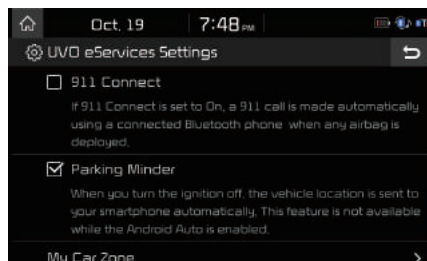
When enabling this feature, you must first agree to the 911 Connect terms of use.

After reading the terms of use, press the **Agree** button on the touch screen to accept.



## Parking Minder

If you want to send vehicle location to your smartphone automatically when you turn the ignition off, turn the Parking Minder feature On.



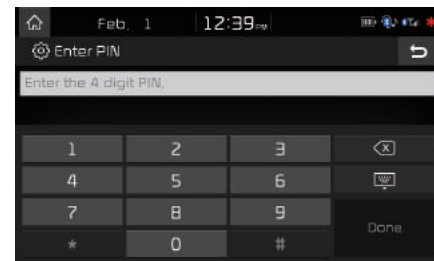
## My Car Zone

This feature is used to set My Car Zone (Curfew Limit, Speed) alert conditions.

My Car Zone Settings is unavailable when UVO eServices has not been activated.

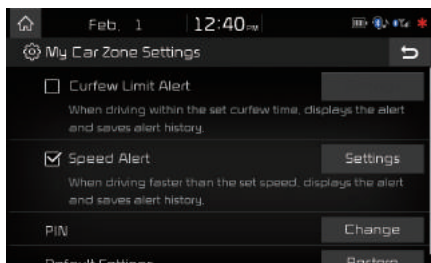
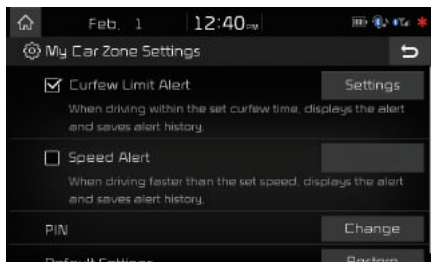
Press the **SETUP** key ▶ **UVO eServices** ▶ **My Car Zone**.

The PIN must be entered to use My Car Zone Settings.



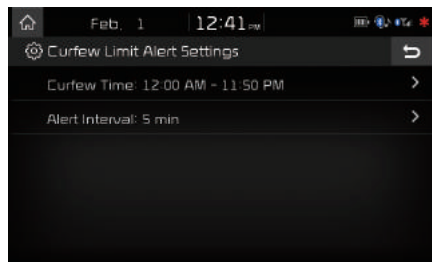
This screen is used to set Curfew Limit and Speed Alert features.

Set the alert conditions On ► Settings.



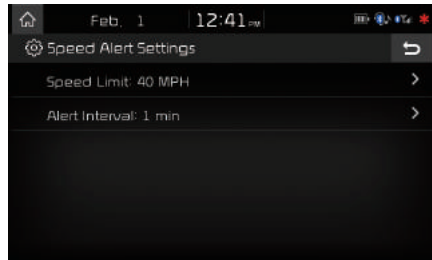
### Curfew Limit Alert Settings

Within Curfew Limit Alert Settings, you can set the Curfew Limit Alert Start and End Time. You can also set the Alert Interval of alerts upon Curfew Limit.



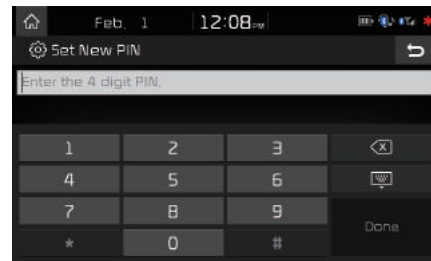
### Speed Alert Settings

Within Speed Alert Settings, you can set the vehicle speed limit and Alert Interval of alerts upon overspeeding.



### PIN

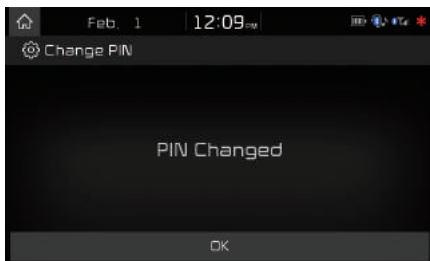
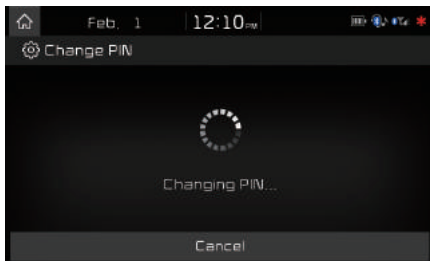
This feature is used to change the PIN to enter My Car Zone Settings.



### NOTICE

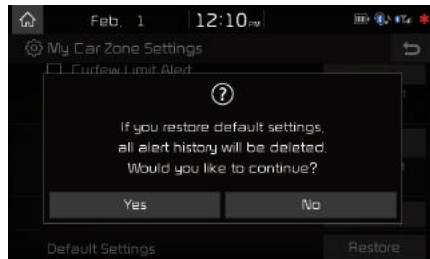
- Before pressing **Done**, ensure your smartphone is connected to UVO eServices system via USB cable.

Press the **Done** button to transmit the new PIN to your My UVO com account.



## Restore Factory Settings

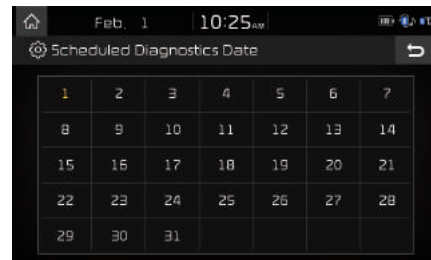
This feature is used to restore all My Car Zone alert history and settings back to default state.



## Scheduled Diagnostics

This feature is for setting when scheduled diagnostics alerts display.

Press **SETUP** key ▶ **UVO eServices** ▶ Set the Scheduled Diagnostics On ▶ **Settings**



### NOTICE

- For months without the corresponding day, the last day of the month will automatically be set as the scheduled diagnostics date.



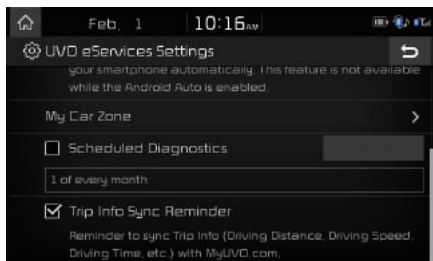
## Trip Info Sync Reminder

Trip Info is a feature used to set whether system displays alert when trip info(Driving Distance, Driving Speed, Driving Time, etc). reaches 90% of memory.

UVO eServices must be activated to use this feature.

Press **SETUP** key ▶ **UVO eServices** ▶

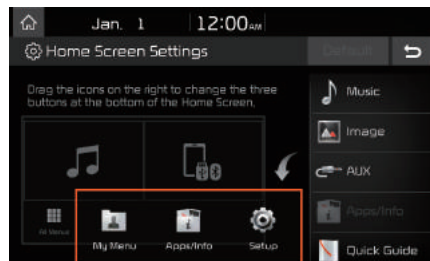
Set Trip Info Sync Reminder On



## Home Screen Settings

You can customize the three menu items at the bottom right of the Home Screen into the ones you want.

On the Home Screen Settings screen, drag the menu items on the right to the area marked in red in the screen below.

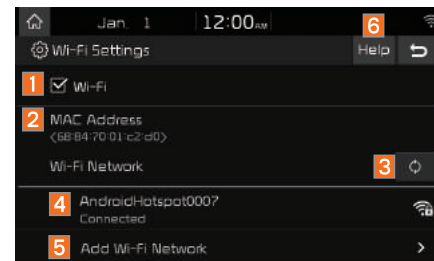


### **i** Information

- You can select the **Default** button to reset to the factory default settings.

## Wi-Fi Settings

You can share a digital-device network with the vehicle device through Wi-Fi.



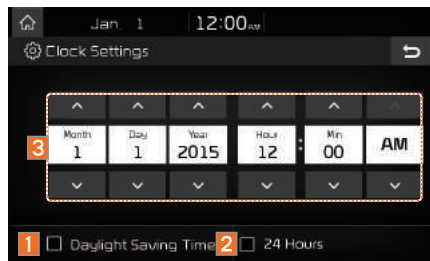
Features	Description
1 Wi-Fi	Turn on/off Wi-Fi.
2 MAC Address	Displays the MAC address.
3 Refresh	Searches available networks near the vehicle.
4 Network Name	Displays available network AP (Access Point) names.
5 Add Wi-Fi Network	Enter the network ID/password to connect to a hidden network AP (Access Point).
6 Help	Shows the Wi-Fi setup guide.

## How to Connect to a Network

1. In the Wi-Fi settings of a digital device, activate Internet sharing (Hotspot).
2. In the vehicle network list, select the desired device to connect to. Enter the password to connect, if any.

## Clock Settings

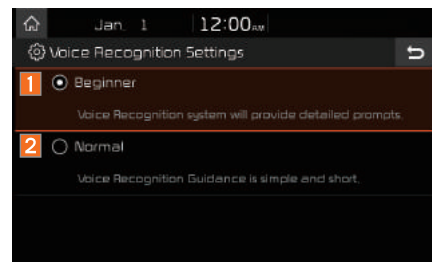
Configure the settings for time and date. Using the arrow buttons, you can change the values. Clock settings do not automatically change when crossing into different time zones. The time must be changed manually on this screen.



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

## Voice Recognition Settings

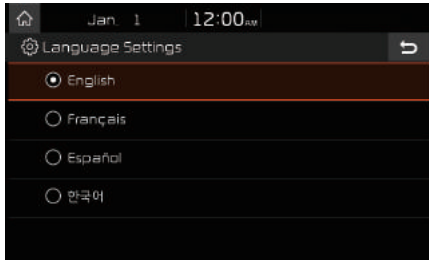
Configure how to make a call with Voice Recognition Guidance and Voice Recognition.



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

## 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.

### **i** Information

- Configured keyboard layouts are applied to all input modes.

## Screen Saver Settings

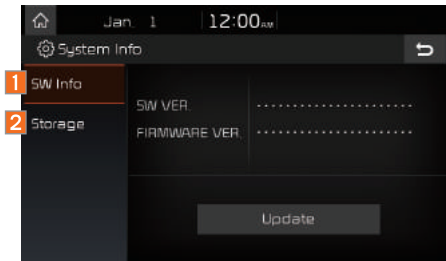
You can select any of the following screen formats to be displayed when the screen or power is turned off (Press and hold the Power button).

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



# System Info

At the System Info screen, software version information, updates, and storage status details are available.



Features	Description
1 SW Info	System version information and update details are available. Select the <b>Update</b> button to update the system. After update is complete, the system will reboot automatically.
2 Storage	Displays the memory space available for media storage.

## System Update

At the System Info screen, insert the USB memory with the latest file downloaded, and then select the **Update** button to begin updating. The system will then reboot automatically.

### **i** Information

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

### **⚠** CAUTION

- If the power is disconnected or the USB is removed during an update, the data might be damaged. Please do not turn off the vehicle while an update is in progress.

MEMO

# part.10 Appendix

Product Specification

Troubleshooting

FAQ

# Appendix

## Product Specification

### TFT-LCD

Screen Size	7 inch(152.4 X 91.44 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 ~ 107.9 MHz(Step: 200 kHz)
	AM: 530 kHz ~ 1710 kHz(Step: 10 kHz)
Sensitivity	FM: Under 10 dBu/AM: Under 35 dBu
Distortion Factor	Within 2 %

### Common

Name	Car TFT LCD Display Audio Unit		
Power Supply	DC 14.4 V	Operating Power	DC 9 V ~ DC 16 V
Current Consumption	2.5 A	Sleep Current	1 mA (Head Unit Only)
Operating Temperature	-20 ~ +70 °C (-4 ~ +158 °F)	Storage Temperature	-30 ~ +80 °C (-22 ~ +176 °F)
Dimensions	178 X 140.2 X 60 mm (Main BOX)		
Weight	1.940 kg		

### Wi-Fi Details

Frequency	2412 ~ 2462 MHz, 5180 ~ 5825 MHz
Specification	IEEE802.11 a/b/g/n/ac
Operating Temperature	-20 ~ +70 °C (-4 ~ +158 °F)
Supported Bandwidth	20/40/80 MHz

### Bluetooth® Wireless Technology

Frequency Range	2402 ~ 2480 MHz	Supported Bluetooth® Specification	3.0
Supported Profile	Handsfree(1.6), A2DP(1.2), AVRCP(1.4), PBAP(1.0)		
Output	-6~4 dBm (Power Class2, Conducted)		
Number of Channels	79 channels		

#### CAUTION

- The producer and installer cannot provide services related to life safety as the concerned radio equipment is liable to radio interference.



## 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	<ul style="list-style-type: none"> <li>• Because the LCD is manufactured with technology requiring high point density, a pixel or lighting deficiency may occur within 0.01% of total pixels</li> </ul>
The sound or image is not working	<ul style="list-style-type: none"> <li>• Has the Switch for the vehicle been turned to [ACC] or [ON]?</li> <li>• Has the SYSTEM been turned OFF?</li> </ul>
The screen is being displayed but sound is not working	<ul style="list-style-type: none"> <li>• Has the volume been set to a low level?</li> <li>• Has the volume been muted?</li> </ul>
When the power is turned on, the corners of the screen are dark	<ul style="list-style-type: none"> <li>• The display appearing somewhat dark after prolonged periods of use is normal with LCD panels. It is not a malfunction</li> <li>• If the screen is very dark, contact your nearest Kia dealer for assistance</li> </ul>
Sound is working from only one speaker	<ul style="list-style-type: none"> <li>• Are the positions of Fader or Balance sound controls adjusted to only one side?</li> </ul>

Problem	Possible Cause
Sound does not work in AUX mode	<ul style="list-style-type: none"> <li>• Are the audio connector jacks fully inserted into the AUX terminal?</li> </ul>
The external device is not working	<ul style="list-style-type: none"> <li>• Is the external device connected with a standard connector cable?</li> </ul>
Upon turning power on, the most recent mode screen is not displayed	<p>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</p> <ul style="list-style-type: none"> <li>• If the corresponding device is not connected, the mode operated prior to the most recent mode will operate</li> <li>• If the previous mode still cannot be properly played, the mode operated prior to that will operate</li> </ul>

Problem	Possible Cause	Countermeasure
The power does not turn on	The fuse is disconnected	<ul style="list-style-type: none"> <li>• Replace with a suitable fuse</li> <li>• If the fuse is disconnected again, please contact your point of purchase or Kia dealer</li> </ul>
	Device is not properly connected	<ul style="list-style-type: none"> <li>• Check to see that the device has been properly connected</li> </ul>
The system does not play	The vehicle battery is low	<ul style="list-style-type: none"> <li>• Charge the battery If the problem persists, contact your point of purchase or Kia dealer</li> </ul>

Problem	Possible Cause	Countermeasure
The image color/tone quality is low	<ul style="list-style-type: none"> <li>• The brightness, saturation, hue, and contrast levels are not set properly</li> </ul>	<ul style="list-style-type: none"> <li>• Properly adjust the brightness, saturation, hue, and contrast levels through Display Setup</li> </ul>
Sound does not work	<ul style="list-style-type: none"> <li>• The volume level is set to the lowest level</li> <li>• The connection is not proper</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust the volume level</li> <li>• Check to see that the device has been properly connected</li> </ul>
	<ul style="list-style-type: none"> <li>• The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode</li> </ul>	<ul style="list-style-type: none"> <li>• The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode</li> </ul>
The sound or image quality is low	<ul style="list-style-type: none"> <li>• Vibration is occurring from where the conversion switch has been installed</li> <li>• Image color/tone quality is low</li> </ul>	<ul style="list-style-type: none"> <li>• The sound may be short-circuited and the image distorted if the device vibrates</li> <li>• The device will return to normal once vibrations stop</li> </ul>

Problem	Possible Cause	Countermeasure
The USB does not work	<ul style="list-style-type: none"> <li>• USB memory is damaged</li> <li>• USB memory has been contaminated</li> </ul>	<ul style="list-style-type: none"> <li>• Please use the USB after formatting it.</li> <li>• Remove any foreign substances on the contact surface of the USB memory and multimedia terminal</li> </ul>
	<ul style="list-style-type: none"> <li>• A separately purchased USB HUB is being used</li> </ul>	<ul style="list-style-type: none"> <li>• Directly connect the USB memory with the multimedia terminal on the vehicle</li> </ul>
	<ul style="list-style-type: none"> <li>• A USB extension cable is being used</li> </ul>	<ul style="list-style-type: none"> <li>• Directly connect the USB memory with the multimedia terminal on the vehicle</li> </ul>
	<ul style="list-style-type: none"> <li>• A USB which is not a Metal Cover Type USB Memory is being used</li> </ul>	<ul style="list-style-type: none"> <li>• Use standard USB Memory</li> </ul>
	<ul style="list-style-type: none"> <li>• An HDD type, CF, SD Memory is being used</li> </ul>	<ul style="list-style-type: none"> <li>• Use standard USB Memory</li> </ul>
	<ul style="list-style-type: none"> <li>• There are no music files which can be played</li> </ul>	<ul style="list-style-type: none"> <li>• Only MP3, WMA file formats are supported. Please use only the supported music file formats</li> </ul>

Problem	Possible Cause	Countermeasure
The iPod is not recognized even though it has been connected	<ul style="list-style-type: none"> <li>• There are no titles which can be played</li> <li>• The iPod firmware version has not been properly updated</li> <li>• The iPod device does not recognize downloads</li> </ul>	<ul style="list-style-type: none"> <li>• Use iTunes to download and save MP3 files into the iPod</li> <li>• Use iTunes to update the firmware version and reconnect the iPod with the device</li> <li>• Reset the iPod and reconnect with the device</li> </ul>
Bluetooth does not work or its limited functions are available	<ul style="list-style-type: none"> <li>• Bluetooth on your mobile phone is set to OFF</li> <li>• The Bluetooth connection is not made</li> </ul>	<ul style="list-style-type: none"> <li>• Set it to ON</li> <li>• Make the connection active</li> </ul>

**i 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

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### About Pairing Mobile Phones

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**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.

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## About Making/Answering Phone Calls


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**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.

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## About *Bluetooth*<sup>®</sup> Wireless Technology/Head Unit Use Environment

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**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.

## 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.

## 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 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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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.