

2013 Cadillac CUE Infotainment System

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Introduction

Infotainment

Read the following pages to become familiar with the infotainment system features.

 **WARNING**

Taking your eyes off the road for extended periods could cause a crash resulting in injury or death to you or others. Do not give extended attention to infotainment tasks while driving.

The infotainment system has built-in features intended to help with this by disabling some functions when driving. A grayed-out function is not available when the vehicle is moving.

All functions are available when the vehicle is parked. Before driving:

- Become familiar with the infotainment system operation, buttons on the faceplate, and touch-sensitive screen buttons.
- Set up the audio by presetting favorite stations, setting the tone, and adjusting the speakers.
- Set up phone numbers in advance so they can be called easily by pressing a single button or a single voice command for vehicles equipped with phone capability.

 **WARNING**

Taking your eyes off the road too long or too often while using the navigation system could cause a crash and you or others could be
(Continued)

WARNING (Continued)

injured or killed. Focus your attention on driving and limit glances at the moving map on the navigation screen. Use voice guidance whenever possible.

See “Defensive Driving” in the owner manual.

The vehicle has Retained Accessory Power (RAP). With RAP, the audio system can be played even after the ignition is turned off. See “Retained Accessory Power (RAP)” in the owner manual.

Customer Assistance

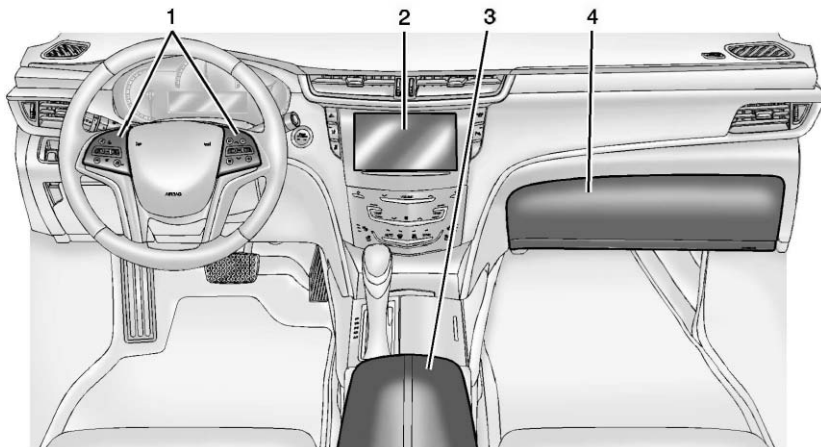
Assistance is available to help with Bluetooth pairing, application downloading and installation, other mobile device interface, and operation support of the CUE

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infotainment system. Specialists are available when calling this Customer Assistance number.

U.S.: 1-855-428-3669
(855 4 CUE NOW)

Canada: 1-888-446-2000
(Canadian Cadillac Customer Care Centre)



1. *Steering Wheel Controls on page 10.*
2. *Infotainment System, Storage Bin, and USB Port. See "Infotainment System" following and *USB/SD Port on page 30.**
3. *USB Port, AUX Port, and SD Card Reader. See *USB/SD Port on page 30, Auxiliary Jack on page 33, and SD Card Reader on page 33.**
4. *CD Slot (In the Glove Box).*

Infotainment System

The infotainment system is controlled by using the touchscreen, the buttons below the touchscreen, steering wheel controls, and voice recognition.



1. (Power and Mute)
2. VOLUME
3. (Home Page)

Power (On/Off/Mute)

- When off, press (1) to turn the system on. Press and hold to turn off.
- When on, press to mute the system. Press again to unmute the system.

Retained Accessory Power (RAP)

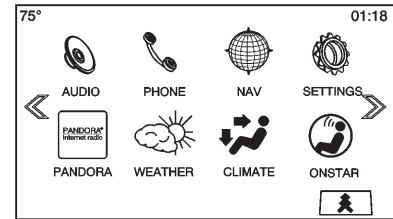
The vehicle has RAP. When in RAP the audio system can be played even after the ignition is turned off. See "Retained Accessory Power (RAP)" in the Index of the owner manual.

Volume

The black area above the chrome bar (2) is used to increase or decrease the volume. There are three ways to adjust the volume:

- Slide a finger.
- Press.
- Press and hold.

Home Page



The Home Page (3) is where vehicle feature icons are accessed. Some features are disabled when the vehicle is moving.

The Home Page can be set up to have up to five pages with eight icons per page.

Press the left or right to access the pages of icons.

>> (Next): Press to go to the next Home Page.

<< (Previous): Press to go to the previous Home Page.

▲ (Interaction Selector): Press to display the favorites list.

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Press and hold a location within the favorites area to begin the process of saving a favorite application.

Press the application icon to store as a favorite, and the name of the application will be shown in favorites.

Home: Press to go back to the Home Page to start a different application.

Audio

Press the AUDIO icon to display the active audio source page. Available sources are AM, FM, XM (if equipped), CD, My Media, USB, SD, Bluetooth, AUX Input.

Phone

Press the PHONE icon to display the Phone main page. See *Bluetooth (Overview) on page 77* or *Bluetooth (Infotainment Controls) on page 78* or *Bluetooth (Voice Recognition) on page 82*.


NAV (Navigation, If Equipped)

Press the NAV icon to display the navigation map or OnStar Turn-by-Turn Navigation. See *Using the Navigation System on page 42* or “OnStar Navigation” in the owner manual.

Settings

Press the SETTINGS icon to display the Settings menu. See *Settings on page 85*.

Managing Home Page Icons

1. Press and hold any of the Home Page icons to edit that icon.
2. Drag the icon to a new location on the Home Page or to save it to the applications tray.
3. Press  to exit edit mode.

Pandora (If Equipped)

Press the PANDORA icon to begin Pandora. See *Pandora Internet Radio on page 23*.

Weather (If Equipped)

Press the WEATHER icon to display the Weather main page. See “SiriusXM Weather (If Equipped)” under *Satellite Radio on page 16*.

Climate

Press the CLIMATE icon to display the Climate main page. See “Dual Automatic Climate Control System” in the owner manual.

OnStar

Press the ONSTAR icon to display the OnStar main page and start OnStar voice recognition. See “OnStar Overview” in the owner manual.

Rear Climate (If Equipped)

Press the R. CLIMATE icon to display the Rear Climate main page. See “Rear Climate Control System” in the owner manual.





RSE (If Equipped)

Press the RSE icon to display the video Rear Seat Entertainment main page. See *Rear Seat Entertainment (RSE) System on page 35*.

Applications Tray



The applications tray is at the top-center of the screen. The applications tray can have three to five applications. Some of the typically used applications are:

-  (Audio)
-  (Phone)
-  (Navigation)
-  (Climate Control)

To add an application from the Home Page to the applications tray:

1. Press and hold any icon on the Home Page to enter edit mode.
2. Drag the icon to the applications tray.

To remove an item from the applications tray, drag the icon from the applications tray back to the Home Page.

Adding or removing applications from the applications tray will not remove them from the Home Page.

Touchscreen Buttons

Touchscreen buttons show on the screen when available. When a function is unavailable, the button may gray-out. When a function is selected, the button may highlight.

Proximity Sensing

The infotainment system uses proximity sensing. When enabled, certain screen buttons and features will become visible when a hand

approaches the screen. When the hand is removed, these features fade.

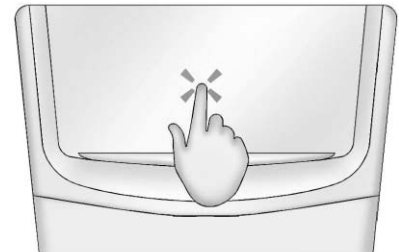
Haptic Feedback

Haptic feedback is a pulse that occurs when a button is pressed on the screen or when buttons below the screen are pressed.

Infotainment Gestures

Use the following finger gestures to control the infotainment system.

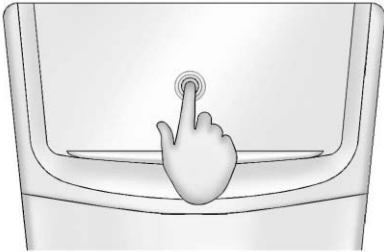
Press



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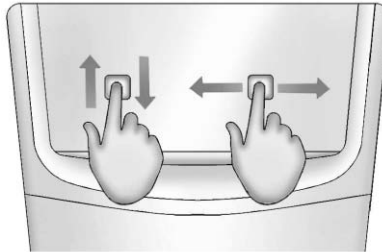
Press is used to select a button or option, activate an application, or change the location inside a map.

Press and Hold



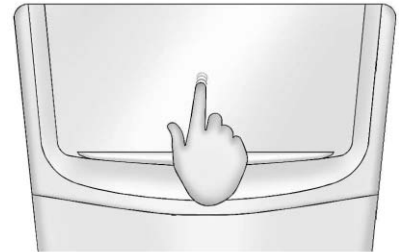
Press and hold can be used to start another gesture, move, or delete an application.

Drag



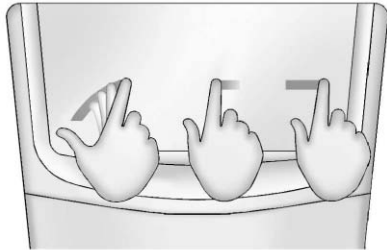
Drag is used to move applications on the Home Page, or to pan the map. To drag the item, it must be held and moved along the screen to the new location. This can be done up, down, right, or left.

Nudge



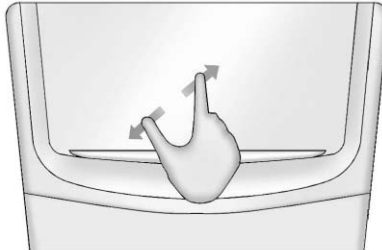
Nudge is used to move items a short distance on a list or a map. To nudge, hold and quickly move the selected item up or down to a new location.

Fling or Swipe



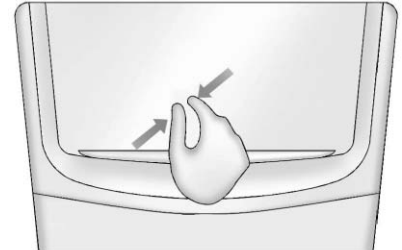
Fling or swipe is used to scroll through a list, pan the map, or change page views. Do this by placing a finger on the screen then moving it rapidly up and down or right and left.

Spread



Spread is used to zoom in on a map, certain images, or web page. Place finger and thumb together on the screen, then move them apart.

Pinch



Pinch is used to zoom out on a map, certain images, or web page. Place finger and thumb apart on the screen, then move them together.

Cleaning High Gloss Surfaces and Vehicle Information and Radio Displays

For vehicles with high gloss surfaces or vehicle displays, use a microfiber cloth to wipe surfaces. Before wiping the surface with the microfiber cloth, use a soft bristle brush to remove dirt that could

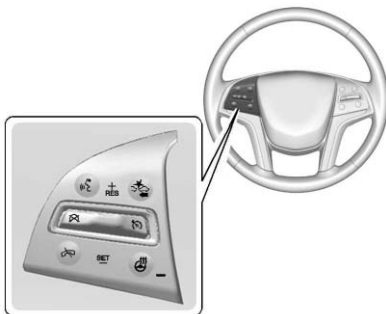
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
scratch the surface. Then use the microfiber cloth by gently rubbing to clean. Never use window cleaners or solvents. Periodically hand wash the microfiber cloth separately, using mild soap. Do not use bleach or fabric softener. Rinse thoroughly and air dry before next use.


Steering Wheel Controls

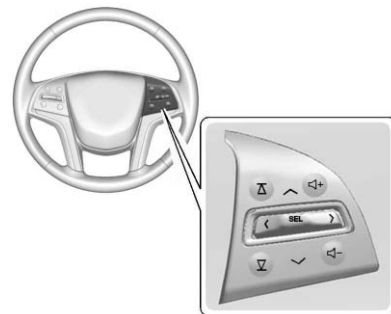
The infotainment steering wheel controls can be used to control the infotainment features displayed in the instrument cluster.

When in Valet Mode, access to the infotainment functions is disabled. See *Settings* on page 85.



 : Press to talk or interact with Bluetooth® and OnStar®. See *Bluetooth (Overview)* on page 77 or *Bluetooth (Infotainment Controls)* on page 78 or *Bluetooth (Voice Recognition)* on page 82 and “OnStar Overview” in the owner manual.

 : Press to decline an incoming call, or end a current call. Press to mute or unmute the infotainment system when not on a call.



< or > : Press the five-way control to the left or right to go to the previous or next area in the display or to the previous or next menu.

^ or v : Press the five-way control up or down to go up or down in a list or page.

SEL: Press to select a highlighted menu item.

▲ or ▼ (Next/Previous Favorite): Press to go to the next or previous favorite when listening

to the radio. Press to go to the next or previous track when listening to a media source.

◀ + or ▶ - (Volume): Press to increase or decrease the volume.

Instrument Cluster Features

For vehicles equipped with a reconfigurable instrument cluster, there may be up to three interactive display zones. See “Instrument Cluster” in the owner manual.

Cluster menu options may include:

Navigation: Available when a route is downloaded. See *Using the Navigation System on page 42*.

Audio: Available when the radio is powered on. See *AM-FM Radio on page 11*.

Phone: Available when a Bluetooth phone is connected. See *Bluetooth (Overview) on page 77* or *Bluetooth (Infotainment Controls) on page 78* or *Bluetooth (Voice Recognition) on page 82*.

Settings: Press to display the Settings menu.

Software Updates

See the following websites for information:

Cadillac

In the U.S., see www.cadillac.com.

In Canada, see www.cadillac.ca.

Radio

AM-FM Radio

Playing the Radio

While on the audio main page the available sources are: AM, FM, XM (if equipped), CD, My Media, USB, SD, Bluetooth, and AUX Input.

- Press the RADIO screen button to scroll through AM, FM, or SiriusXM (if equipped).
- Press the MEDIA screen button to scroll through CD (if equipped), My Media, USB, SD, Bluetooth, and Aux Input.

Infotainment System Settings

Press the RADIO button to access broadcast sources.

Press the MENU screen button to display the following menus.

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Tone Settings:

- **Bass, Midrange, Treble, Surround (if equipped):** Press + or – to adjust. Surround adjusts the headrest speaker volume only.
- **Balance:** Press < or > for more sound from the left or right speakers. The middle position balances the sound between the left and right speakers.
- **Fade:** Press UP or DOWN for more sound from the front or rear speakers. The middle position balances the sound between the front and rear speakers.

Press ◀ Back to go back to the previous menu.

Tag Song: Press to tag song information, including artist and title, to transfer to an iPod®. If the iPod is not attached, the information will be transferred when it is attached. Press OK to go back to the Now Playing view.

Timeshift: Timeshift is the recording of a radio station for up to 25 minutes. See “Timeshifting” later in this section.

Auto Volume: If equipped, this feature adjusts the volume based on the vehicle speed. Select the level between off, low, medium-low, medium, medium-high, and high.

Bose AudioPilot: If equipped, Bose® AudioPilot® adjusts the volume automatically based on the noise detected in the vehicle and the vehicle speed. Choose to turn On or Off. See www.bose.com/audiopilot.

DSP Modes: If equipped with Bose Studio Surround® sound system, it will have four DSP modes including:

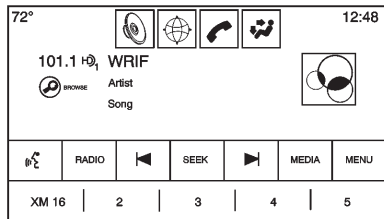
- **Normal:** Adjusts the audio to provide the best sound for all seating positions.
- **Driver:** Adjusts the audio to provide the best sound for the driver.
- **Rear:** Adjusts the audio to provide the best sound for the rear seat occupants.
- **Centerpoint:** Creates the best surround sound for the whole vehicle.

HD Radio Switching: For AM and FM only, press to turn HD radio reception on or off. Press to go back to the previous menu.

Update Station List: For AM and FM only, press to update the station list. Press to go back to the previous menu.

Finding a Station

Seeking a Station



Press ◀ or ▶ to search for the previous or next strongest station.

Tuning a Station

Press the SEEK screen button to switch to TUNE. Press ▶ or ◀ to manually search for a station. Press again to change back.

Storing Radio Station Presets

Favorites are stored in the area at the bottom of the screen.

Up to 60 preset stations can be stored under the following:

AM, FM, XM, HD Radio Stations: Press and hold a screen button to save the current station as a favorite. Press a screen button in the favorite area to recall a favorite station.

Storing Media favorites

To store media favorites, press and hold to display a list of media types. Select from this list.

The lists that may display are:

Genres: Press to store the current genre as a favorite. Press a screen button in the favorite area to recall a favorite genre. The first song of the genre begins to play.

Artists: Press to store the current artist as a favorite. Press a screen button in the favorite area to recall a favorite artist. The first song in the artist list begins to play.

Albums: Press to store the current album as a favorite. Press a screen button in the favorite area to recall a favorite album. The first song in the album list begins to play.

Playlists: Press a screen button in the favorite area to recall a favorite playlist. The first song in the playlist begins to play.

Songs: Press to store the current song as a favorite. Press a screen button in the favorite area to recall a favorite song.

Podcasts or Podcast Episode: Press and hold a screen button to store the current podcast as a favorite. Press a screen button in the favorite area to recall a favorite podcast or podcast episode. The podcast or podcast episode begins to play.

Audiobooks: Press and hold a screen button to save the current audiobook as a favorite. Press a screen button in the favorite area to recall a favorite audiobook.

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Videos: Press and hold a screen button to store the current video as a favorite. Press a screen button in the favorite area to recall a favorite video.

Tone Settings: Press and hold a screen button to save the current tone settings as a favorite. Press a screen button in the favorite area to recall a favorite tone setting.

Pandora Radio Stations: Press and hold a screen button to store the current station as a favorite. Press a screen button in the favorite area to recall a favorite Pandora station.

Mixed-Audio Favorites

Favorites that can be stored include radio stations, navigation, or applications.

72°	☛ [TP]					12:48
Interaction Selector						
950	99.5-2	XM 16	Mike	5		
99.5-1	Starbucks	Beatles	9	10		
XM 49	Tag	Tone 1 ● ○	Tone 2	15		

To scroll through the favorites:

- Drag anywhere on the screen buttons along the bottom to raise up the favorites. To close the favorites, drag them down.
- Slide a finger to the right or left to scroll through each page of favorites. A ● indicates which page is being viewed.

The number of favorites displayed is automatically adjusted by default, but can be manually adjusted in the Settings menu under Radio and then Manage Favorites.

HD Radio

HD Radio™ Technology is a free service with features such as static-free sound, more programming choices on local FM HD2, HD3, and higher, and on-screen information such as artist and song title.

HD Radio Technology Channel Access

To access HD Radio channels:

1. Tune the radio to the channel. If the channel is broadcasting HD Radio Technology, the radio will automatically switch to digital audio, indicated with an HD Radio Technology logo.
2. Press SEEK ◀ or ▶ or TUNE ◀ or ▶ to tune to the previous or next HD Radio channel.

There may be a delay before the channel starts playing.

The HD Radio channel number is indicated next to the logo.

HD Radio channels can be saved as favorites. Songs can be tagged for download to a connected iPhone®, iPad®, or iPod touch®.

When connected to iTunes®, the Synch button on the device may need to be pressed to transfer the tags to iTunes.

See *AM-FM Radio* on page 11 or *USB/SD Port* on page 30.

For a list of all channels, see www.hdradio.com.

HD Radio Technology Troubleshooting

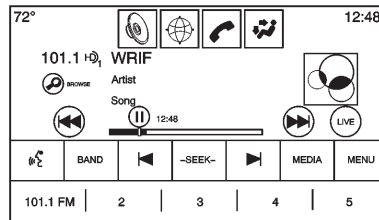
Digital Audio Delay: Wait for the signal to process. This can take several seconds.

Volume Change, Audio Skip, Echo, Digital Audio Lost: Channel signal strength may be weak or the channel is out of range. Verify proper reception on another channel.

If the HD Radio signal loses reception while listening to channel HD1, the radio will go back to the main non-HD Radio channel.

If the HD Radio signal loses reception while listening to channels HD2 to HD8, the radio mutes until the signal can be recovered or until the channel is changed.

Timeshifting



The audio system can record live radio for up to 25 minutes. When tuned to a station, the system automatically begins recording the audio along with the associated metadata.

Press **II** to pause playback of the audio and to initiate timeshift mode. Press **▶** to resume playback of the live audio.

When timeshifting begins, a time is indicated on the right of the play/pause indicator. This time initially indicates the time of day at which playback is paused. This time continues to show as long as the system is in a paused mode and the buffer continues to fill.

Buffer Reset

The buffer will reset anytime the broadcast band or stations/channels are changed. Changing to a media source when the pause button is pressed or while pressing the LIVE button will not reset the buffer.

Rewinding or Fast Forwarding a Timeshifted Broadcast

- Press and hold the rewind indicator to reverse playback at a rate of 15 times the rate of normal playback.

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- Press and hold the fast forward indicator to advance playback at a rate of 15 times the rate of normal playback. The timeshift buffer can be advanced up to the end of the timeshift buffer and return to live mode.

Returning to Live Broadcast

If listening to timeshifted radio, press the LIVE button to return to live radio.

Timeshifting and Station/Channel Lists

If browsing a station/channel list is started while listening to the timeshift content, the list content is shown in live time not buffered time.

Skipping Back in a Broadcast

For programs with metadata, such as SiriusXM or HD, pressing the previous button less than five seconds into a program will make the system skip to the beginning of the previous program. If more than five seconds into the current song/program, the system

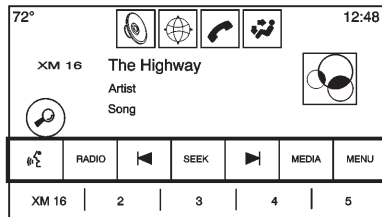
starts at the beginning of the current program. If no metadata is available, the system skips back 30 seconds.

Reaching the End of Buffer

If the audio is paused and the 25-minute buffer is reached, the buffer continues recording content in a first-in, first-out basis. When playback is started, the content played will be the last 25 minutes in the buffer.

Satellite Radio

SiriusXM® Satellite Radio Service



Vehicles with a valid SiriusXM satellite radio subscription can receive SiriusXM programming.

SiriusXM satellite radio has a wide variety of programming and commercial-free music, coast to coast, and in digital-quality sound. See www.siriusxm.com or call 1-866-635-2349 in the U.S. In Canada, see www.xmradio.ca or call 1-877-209-0079.

When SiriusXM is active, the station name, number, category name, song title, and artist display on the screen.

SiriusXM Menu

SiriusXM has a menu to adjust different features.


Pressing the MENU screen button may display the following:

Tone Settings: Press + or – to adjust the tone settings. See *AM-FM Radio on page 11*.

Tag Song: Press the Tag Song button to tag the current artist and song information.

When connected to iTunes®, the Synch button on iTunes may need to be pressed to transfer the song tags.

Timeshift: Press to turn Timeshift on or off. See *AM-FM Radio on page 11*.

TuneSelect: For SiriusXM only, this feature allows alerts for artists or songs that are played on any other channel. Press Artist or Song to save an Artist or Song in the Manage TuneSelect menu. Press Manage TuneSelect to turn the alerts On and Off or manage the saved selection of Artists or Songs. To unselect an alert, press the Song or Artist. To delete an alert, press -. Press  Back to go back to the previous menu.

Auto Volume: If equipped, this feature adjusts the volume based on the vehicle speed. Select the level between off, low, medium-low, medium, medium-high, and high.

Bose AudioPilot: If equipped, press to turn Bose AudioPilot on or off. AudioPilot is an On/Off selection on the list entry from the Main menu. This feature adjusts the volume based on the noise in the vehicle. When turned on, AudioPilot detects noise and vehicle speed to continuously adjust the audio signal so that music will sound the same at a set volume level. This feature is most effective at lower radio volume settings where background noise can affect how well the music is being played. See www.bose.com/audiopilot.

SiriusXM Messages

XL (Explicit Language Channels): These channels, or any others, can be blocked by request, by calling 1-866-635-2349 in the U.S., or 1-877-209-0079 in Canada.

Loading XM: The audio system is acquiring and processing audio and text data. No action is needed.

Channel Off Air: This channel is not currently in service.

Channel Not Authorized: This channel is blocked or cannot be received.

Channel Not Available: This previously assigned channel is no longer assigned.

No XM Signal/Reception May Be Blocked: The vehicle may be in a location where the XM signal is being blocked. When the vehicle is moved into an open area, the signal should return.

XM Radio ID: Tune to channel 0 to display the XM radio ID number used to activate XM service.

Check Antenna: If this message does not clear within a short period of time, the receiver could have a fault. Consult with your dealer.

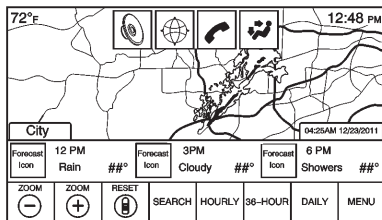
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SiriusXM Weather (If Equipped)

SiriusXM Weather is available on the navigation system through a service fee subscription.

From the Home Page, press WEATHER. The system displays the current weather page.

Current Condition



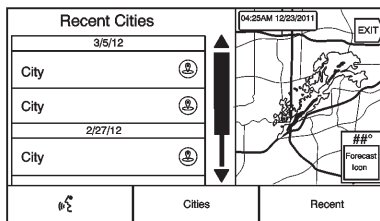
The current weather page displays:

- Doppler Map with Weather
- Forecast Information
- Interaction Selector
- Status
- Time of Map Update

- Applications Tray

Allow approximately 15 minutes for the current weather in the area to display.

Weather Regions



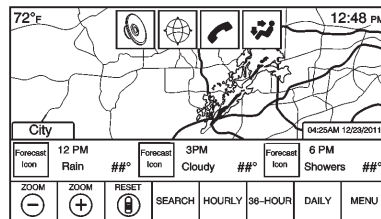
When in the weather application, press the Menu icon to display a split map. The list displayed on the left of the split map allows changes to the location.

The Doppler map and forecast information displays a preview of the map for the location selected. The forecast information is for the current weather or next available forecast data.

Press the EXIT screen button to return to the main weather map.

Press one of the options displayed on the Interaction Selector along the bottom of the map screen to select another function or display another type of list.

Weather Screen Not Under Guidance

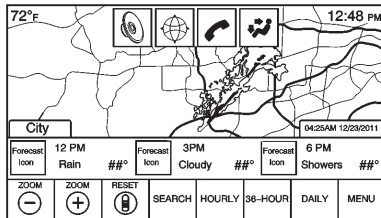


The weather application uses the navigation system to provide the appropriate information for the guidance route. When not under guidance, it defaults to the current location.

Doppler Map: The Doppler map is shown with the vehicle location in the center of the map.

City and State: The city and state are displayed for the view currently shown. The default is the current city and state that the vehicle is in.

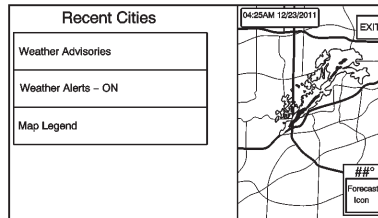
Forecast Information



- The map can be panned to another location. The forecast information is updated to the new location.
- The city and state update to reflect the current location.
- Press the RESET screen button to reset the map back to the current vehicle location.

Weather Menu

Press MENU on the Weather Interaction Selector along the bottom of the map screen to display the Weather Menu.



The options are:

- Weather Advisories: Any weather advisories that are in effect for the local area or while on route are displayed in a list. Press on an advisory from the list to display a screen that gives additional details about the advisory and shows the advisory location on the map.
- Weather Alerts: Press to turn ON or OFF. The default is ON.




- Map Legend: Press to display the Map Legend.

Interaction Selector


The Interaction Selector at the bottom of the screen can be used to switch between different views within the weather screen.

These buttons are:

- ZOOM - or ZOOM +: Press to zoom the map in or out.
 - RESET: Press to reset the map back to its original location.
 - SEARCH: Press to search for a new weather map location. The last destination screen displays.
- The last destination screen displays. Press any button along the bottom of the Interaction Selector to help find a different destination. These are recent, voice, and city.

 	Type a city and state or zip code									
1	2	3	4	5	6	7	8	9	0	
Q	W	E	R	T	Y	U	I	O	P	
A	S	D	F	G	H	J	K	L	-	
Z	X	C	V	B	N	M	.		More..	
	Cities				Recent					

Press Recent to display a list of recent locations that were recently viewed for weather.

Press  to activate voice recognition. State a city and state or ZIP code. Follow the voice prompts to find the desired destination.

Press Cities to enter a city and state or ZIP code.

Type a city or state name on the keyboard screen to find the weather. If the state is omitted, the system assumes a city is being searched for within the current state. If the ZIP code is

typed, the system displays the city associated with that ZIP code.

- If one match results from a weather search, the system returns to the map. The map and forecast information updates for that location.
- If there are multiple results from the weather search, a list of possible matches displays. The map shows the first match in the list along with the current weather information in the lower right corner.
- HOURLY: Press to display the hourly forecast for the current vehicle location. A forecast icon is shown for each period available.
- 36-HOUR: Press to display the current weather, six-hour forecast, and tomorrow's weather. A forecast icon is shown for each period available.
- DAILY: Press to display a daily forecast for the next five days. A forecast icon is shown for each period available.
- MENU: Press to display the current advisories, turn weather alerts on or off, and view the map legend.
- ROUTE: Press to display the forecasted weather for the route. This feature is only available while under route guidance.

The map legend explains each type of color or symbol on the map.

SiriusXM NavTraffic (If Available)

The infotainment system may have SiriusXM NavTraffic. It is a subscription service provided through SiriusXM Satellite Radio. A service fee is required to receive the SiriusXM NavTraffic service.

Detailed traffic information is delivered to the vehicle's navigation system by the SiriusXM Radio

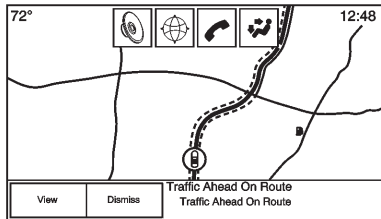
satellites. SiriusXM NavTraffic provides continuously updated traffic information.

The service may be available in more cities in the future. Visit www.siriusxmnavtraffic.com for more details on local coverage.

To access the traffic features, press the Traffic screen button on the Map Menu.

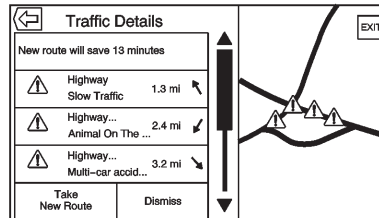
If traffic is not available because there is no valid SiriusXM subscription, a pop-up displays information on how to reactivate the subscription and SiriusXM radio ID.

Traffic Alert While Under Guidance



If data is received about a traffic development on the route ahead, a search for a better route is performed. If a better route is found, information may be displayed in an alert. This alert displays the route information and how much time may be saved. If the alternative route is accepted, the current route will be altered.

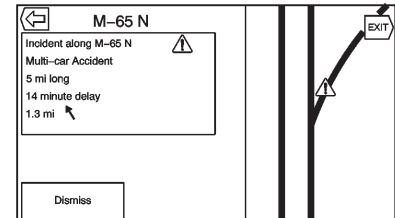
If the alert is not acknowledged, the alert automatically times out and does not modify the route.



The detail view of the incident shows any data about the incident as well as how much time could be saved by avoiding it. The map view shows the incident, the original

route, and the suggested route. If voice prompts are enabled, the incident information is spoken. Press the Take New Route screen button to change to the new route.

Traffic Alert While Not Under Guidance



While driving and not under guidance, the system can receive data indicating an accident or slow traffic flow. The information about the incident or slow traffic is displayed as an alert when the incident is 5 km (3 mi) ahead. The incident can be viewed on the map. Press the Dismiss screen button to return to the previous map.

Movie Listings

The movie theater POI can be searched through a POI search or browsed through the POI category structure. When the details for a movie theater are shown, there is additional information about the theater. If movie titles and showtimes are available for the selected theater, this information is shown in the additional details area of this display.

The details that are shown are dependent on the source of the information.

Details shown include:

- Movie Names
- Parental Ratings (G, PG-13, R, etc.)
- Showtimes
- Runtime

Fuel Pricing

When SiriusXM information is available for a particular fuel station, the price displays for the regular unleaded or diesel fuel, depending on the fuel type configured in the system.

This fuel station POI can either be searched for through a POI search or browsed through the POI category structure.

- Press the Sort button to change the sort method. The default sort method is based on distance with the closest fuel stations shown at the top of the list.
- Press the Sort button to cycle through the sorting options of distance, price, or name. The last viewed sorting method is displayed and is retained over ignition cycles.

If the sorting method of price has been selected, the fuel stations in the list will appear from the lowest to the highest price based on the fuel

type selected. For gasoline, the price shown is for regular unleaded. When diesel is selected as the fuel type, the diesel price is shown.

Radio Reception

Unplug electronic devices from the accessory power outlets if there is interference or static in the radio.

FM

FM signals only reach about 16 to 65 km (10 to 40 mi). Although the radio has a built-in electronic circuit that automatically works to reduce interference, some static can occur, especially around tall buildings or hills, causing the sound to fade in and out.

AM

The range for most AM stations is greater than for FM, especially at night. The longer range can cause station frequencies to interfere with each other. Static can also occur when things like storms and power

lines interfere with radio reception. When this happens, try reducing the treble on the radio.

SiriusXM® Satellite Radio Service

SiriusXM Satellite Radio Service provides digital radio reception. Tall buildings or hills can interfere with satellite radio signals, causing the sound to fade in and out. In addition, traveling or standing under heavy foliage, bridges, garages, or tunnels may cause loss of the SiriusXM signal for a period of time.

Cell Phone Usage

Cell phone usage, such as making or receiving phone calls, charging, or just having the phone on may cause static interference in the radio. Unplug the phone or turn it off if this happens.

Backglass Antenna

The AM-FM antenna is integrated with the rear window defogger in the rear window. Do not scratch the inside surface or damage the lines in the glass. If the inside surface is damaged, it could interfere with radio reception. For proper radio reception, the antenna connector needs to be properly attached to the post on the glass.

If attaching a cell phone antenna to the glass, attach it between the grid lines.

Notice: Using a razor blade or sharp object to clear the inside rear window can damage the rear window antenna and/or the rear window defogger. Repairs would not be covered by the vehicle warranty. Do not clear the inside rear window with sharp objects.

Notice: Do not apply aftermarket glass tinting with metallic film. The metallic film in some tinting materials will interfere with or distort the incoming radio

reception. Any damage caused to the backglass antenna due to metallic tinting materials will not be covered by the vehicle warranty.

Multi-Band Antenna

The roof antenna is for OnStar, SiriusXM® Satellite Radio, and GPS (Global Positioning System). Keep clear of obstructions for clear reception. If the vehicle has a sunroof, and it is open, reception can also be affected.

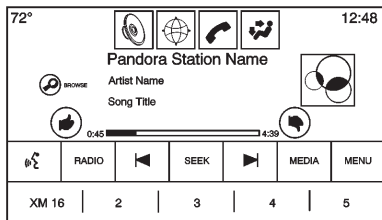
Pandora Internet Radio

Pandora® is a free Internet radio service that streams personalized radio stations based on artists, tracks, genres, and comedians. Create stations using the Pandora website or Smartphone application, then use 👍 (thumbs up) or 👎 (thumbs down) to personalize stations. To set up an account, or for more information, go to

www.pandora.com. Pandora may not be available in Canada or Mexico.

A phone or tablet with Internet connection and the Pandora application installed is required. Personal cell phone data plans are used. Make sure the latest version is installed on the device.

Launching Pandora



Connect the iPhone or iPad to the USB port, or connect Android or BlackBerry® through Bluetooth. See *Auxiliary Jack on page 33* or *Bluetooth (Overview) on page 77* or *Bluetooth (Infotainment Controls) on page 78* or *Bluetooth (Voice*

Recognition) on page 82. For first time use, set up the stations before connecting to the vehicle. The Pandora icon will be available on the Home Page.

When Pandora is chosen, the Pandora logo will populate on the screen and the system will display the last tuned station while displaying “Acquiring Pandora Radio Station.” Launch times can be significant.

Using the iPhone or iPad

1. Plug the device into the USB port. The phone screen must be unlocked.
2. Launch Pandora directly from the Home Page by pressing the Pandora icon.

If nothing happens when the available Pandora screen button is pressed, download the latest Pandora application and retry.

The login screen may display on the device.

Using an Android or BlackBerry Phone

The BlackBerry phone must be unlocked to launch Pandora service.

1. Pair the phone using Bluetooth.
2. Launch Pandora directly from the Home Page.

Use one of the following to launch:

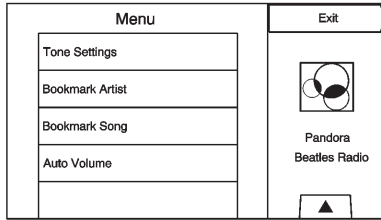
- Press Pandora on the Home Page.

If nothing happens when the available Pandora screen button is pressed, download the latest Pandora application and retry.

The login screen may display on the device.

Pandora Menus

Press Menu on the Pandora main page.



Pandora has a menu system with the following:

Tone Settings: Press to adjust the tone settings. See *AM-FM Radio on page 11*.

Bookmark Artist: Press to bookmark the artist.

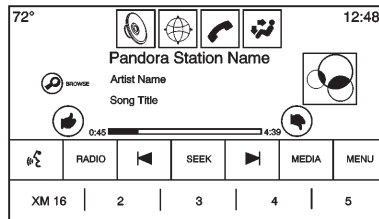
Bookmark Song: Press to bookmark the song.

Auto Volume: This feature sets the auto volume based on the speed of the vehicle and noise in the vehicle. See *AM-FM Radio on page 11*.

Bose AudioPilot: If equipped, press to turn Bose AudioPilot on or off. This feature adjusts the volume based on the noise in the vehicle.

When turned on, AudioPilot detects noise and vehicle speed to continuously adjust the audio signal so that music will sound the same at a set volume level. This feature is most effective at lower radio volume settings where background noise can affect how well the music is being played. See www.bose.com/audiopilot.

Pandora Features



Pandora service has features to rate tracks, skip tracks, or change stations.

📌 (Bookmarks): When pressed during a track, a choice displays to bookmark the artist or track. This sends the bookmark to the Pandora account.



👎 (Thumbs Down): When pressed, Pandora stores this information, changes to the next track, and does not play this track on this station again. This helps Pandora choose which tracks should not play on this station. This feature is only available on user created stations.

👍 (Thumbs Up): When pressed, Pandora stores this information and 👍 is highlighted for the remainder of the track. This helps Pandora choose which tracks should play on this station.

▶▶ (Next Track): When pressed, Pandora changes to the next track.

▶ or || (Play/Pause): Press to play or pause playback.

Pandora Skip Limit

Pandora limits the number of skips allowed on their service. When the skip limit is reached,  will not skip the currently playing track, but the  feedback will be recorded.

Advertisement on Pandora

Pandora may display advertisements. The artist name and track title will not be displayed and the skip track button will not be available.

Pandora Troubleshooting

Unable to Connect Device to Vehicle

If the device is unable to connect to the USB or Bluetooth:

1. Turn the vehicle off.
2. Take the Remote Keyless Entry (RKE) transmitter at least 6 m (20 ft) away from the vehicle.
3. Wait about 30 seconds, and try to connect the device again. See *Auxiliary Jack on page 33* or

Bluetooth (Overview) on page 78 or Bluetooth (Infotainment Controls) on page 78 or Bluetooth (Voice Recognition) on page 82.



Unable to Start Pandora

If the device is unable to launch Pandora:

- Check that the latest version of Pandora is installed.
- Check that there is an active account logged into Pandora.
- Have at least one station created.
- For Android and BlackBerry devices, check that the device is paired with the vehicle, and whether the device displays in the Connected phone sources list under the Phone icon from the Home Page.
- For iPhone or iPad devices, check that the USB cable is connected to the USB port and the screen is unlocked.

- Close Pandora on the device and launch again. Devices that allow multitasking may require an extra step to quit the Pandora application. See the cell phone manufacturer's user guide.

Thumbs Up or Thumbs Down Error

If there is an error trying to rate a track with the  or  buttons, the message "Thumbs Down Error" or "Thumbs Up Error" will display. Press OK to retry.

Loss of Audio

Loss of Pandora audio can happen in different ways:

- Weak or lost data connection.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio lost.

- An iPhone or iPad is connected to both Bluetooth and the USB port.

Playback can be resumed from a loss of audio by double tapping on the iPhone or iPad menu button then scrolling through the icons to find an icon that allows a change of flow between Bluetooth and USB cable.

Common Pandora Messages

Pandora Error/Please Check Device:

Not signed in or Pandora is down for maintenance.

No Stations Available: No stations are available on the Pandora server through the connected device.

Please unlock your phone or restart phone app and try again: Communication failure between the radio and the phone application or the device is locked.

No Internet Connection: A few conditions for loss of internet connection are:

- The connected device loses its cellular connection.
- The device does not support Internet connectivity.
- The device is not in the vehicle.

No Bluetooth Signal: The Bluetooth signal is lost.

No skips remaining for this station or permitted during advertisements:

- The maximum Pandora skip limit has been reached according to the plan that was obtained.
- Skipping an advertisement was tried.

See www.pandora.com/help. If the service will not work, see a dealer for assistance.

Audio Players

CD Player

The player can be used for CD and MP3 audio.

The system is capable of playing:

- Most audio CDs
- CD-R
- CD-RW
- MP3 or unprotected WMA formats

When playing any compatible recordable disc, the sound quality can be reduced due to disc quality, the method of recording, the quality of the music that has been recorded, or the way the disc has been handled.

There can be increased skipping, difficulty in recording tracks, difficulty in finding tracks, and/or difficulty in loading and ejecting.

If these problems occur, check the disc for damage or try a known good disc.


To avoid damage to the CD player:

- Do not use scratched or damaged discs.
- Do not apply labels to discs. The labels could get caught in the player.
- Insert only one disc at a time.
- Keep the loading slot free of foreign materials, liquids, and debris.
- Use a marking pen to label the top of the disc.

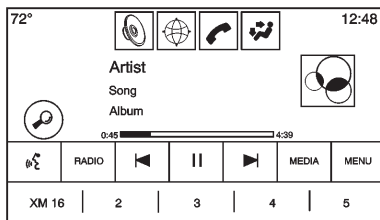
Loading and Ejecting Discs

To load a disc:

1. Turn the vehicle on.
2. Insert a disc into the slot, label side up. The player pulls it in the rest of the way. If the disc is damaged or improperly loaded, there is an error and the disc ejects.

Press  to eject a disc from the CD player. If the disc is not removed within a short period of time, it is automatically pulled back into the player.

Playing an Audio CD



Press the MEDIA screen button until CD Audio icon Now Playing view is selected.

On the CD main page, a track number displays at the beginning of each track. Song, Artist, and Album information displays when available.

Use the following controls to play the disc:

(Previous/Fast Reverse):

- Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, it seeks to the previous track. If longer than five seconds, the current track starts from the beginning.
- Press and hold to fast reverse through a track. Release the button to return to playing speed. Elapsed time displays.

(Next/Fast Forward):

- Press to seek to the next track.
- Press and hold to fast forward through a track. Release the button to return to playing speed. Elapsed time displays.

When a Blu-ray or DVD disc, if equipped, is loaded and the CD button is pressed, a message displays.

Error Messages

If Disc Error displays and/or the disc comes out, it could be for one of the following reasons:

- The disc has an invalid or unknown format.
- The road is very rough. Try the disc again when the road is smoother.
- The disc is dirty, scratched, wet, or upside down.
- The air is very humid. Try the disc again later.
- There was a problem while burning the disc.
- The label is caught in the CD player.

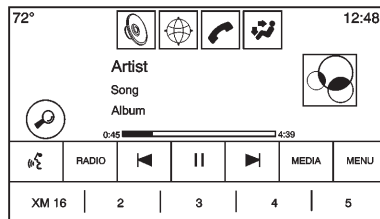
If Disc Player Error displays, it could be for one of the following reasons:

- The player temperature is too high.
- There are load or eject errors.

If the CD is not playing correctly, for any other reason, try a known good CD.

If any error continues, contact your dealer.

Playing an MP3 CD



To play an MP3 CD, follow the same instructions as “Playing an Audio CD.”

The following guidelines must be met when creating an MP3 disc, otherwise the CD might not play:

- Sampling rate: 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, and 48 kHz.


- Bit rates supported: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, 224, 256, and 320 kbps.
- Recorded on a CD-R or CD-RW.

MP3 Music Menu


Press the MENU button while that source is active to access the menu.

Press any of the following buttons on the MP3 Menu:

Shuffle: Press to play the tracks randomly. Press again to stop shuffle.

Auto Volume: If equipped, this feature adjusts the volume based on the speed of the vehicle. Press to set Auto Volume to off, low, medium-low, medium, medium-high, and high. Press  Back to go back to the previous menu.

Tone: Press + or – to adjust Bass, Midrange, Treble, or Surround. To adjust speaker balance, press the left arrow on the bottom for more sound from the left speakers or the

right arrow on the bottom for more sound from the right speakers. The middle position balances the sound between the left and right speakers. To adjust speaker fade, press the upper arrow for more sound from the front speakers and the lower arrow for more sound from the rear speakers. The middle position balances the sound between the front and rear speakers. Press  Back to go back to the previous menu.

MP3 Folder Information

Press anywhere between the top application tray or the bottom menu to display the browse screen.

Root Directory: To access, press the screen anywhere between the top and bottom menu. The root directory is treated as a folder. All files contained directly under the root directory are accessed prior to any root directory folders.

No Folder: When the CD only contains compressed audio files without any folders or playlists, all files are under the root folder.

File System and Naming: The song titles, artists, albums, and genres are taken from the file's ID3 tag and are only displayed if present in the tag. If a song title is not present in the ID3 tag, the radio displays the file name as the track name.

USB/SD Port

This vehicle is equipped with one SD port and two USB ports. One in the center console and the other in the center stack storage area.

Playing from a USB

A USB mass storage device can be connected to the USB port.

Gracenote®

When plugging in a USB device, Gracenote service builds voice tags for music. Voice tags allow artists,

albums with hard to pronounce names, and nicknames to be used to play music through voice recognition.

While indexing, infotainment features are available.

My Media Library

The infotainment system allows access to content from all of the connected devices. Press the MEDIA screen button to scroll through the options until My Media is selected. Use gestures or screen buttons to scroll through the content.

USB MP3 Player and USB Drives

- The USB MP3 players and USB drives connected must comply with the USB Mass Storage Class specification (USB MSC).
- Hard disk drives are not supported.

To play a USB device:

1. Connect the USB.

2. Press MEDIA until the connected device is shown.

Use the following when playing an active USB source:

▶ (Play): Press to play the current media source.

|| (Pause): Press to pause play of the current media source.

◀ (Previous/Reverse):

- Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, the previous track plays. If playing longer than five seconds, the current track restarts.
 - Press and hold to reverse quickly through playback. Release to return to playing speed. Elapsed time displays.
- ▶ (Next/Fast Forward):**
- Press to seek to the next track.

- Press and hold to advance quickly through playback. Release to return to playing speed. Elapsed time displays.

USB Menu

Press Menu to display the USB menu. The following may be available:

Shuffle: Press to play the tracks randomly. Press again to stop shuffle.

Bose AudioPilot: If equipped, press to turn Bose AudioPilot on or off. AudioPilot is an On/Off selection on the list entry from the Main menu. See *AM-FM Radio on page 11*.

Tone: Press + or – to adjust Bass, Midrange, Treble, or Surround. See *AM-FM Radio on page 11*.

USB Browse Menu

Press anywhere between the top and bottom menus to view the browse menu and the following options are displayed along the bottom of the screen:

Playlists:

1. Press to view the playlists stored on the USB.
2. Select a playlist to view the list of all songs in that playlist.
3. Select a song from the list to begin playback.

Artists:

1. Press to view the list of artists stored on the USB.
2. Select an artist name to view a list of all albums by the artist.
3. To select a song, press All Songs or press an album and then select a song from the list.

Albums:

1. Press to view the albums on the USB.

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2. Select the album to view a list of all songs on the album.
3. Select a song from the list to begin playback.

Songs:

1. Press to display a list of all songs on the USB.
2. To begin playback, select a song from the list.

Genres:

1. Press to view the genres on the USB.
2. Select a genre to view a list of artists.
3. Select an artist to view albums by that artist.
4. Select an album to view songs on the album
5. Select a song to start playback.

Podcasts, Composers, Audio Books, Videos, and Folder View are shown when More is selected from the bottom of the screen.

Podcasts:

1. Press to view the podcasts on the USB.
2. Select a podcast.

Composers:

1. Press to view the composers on the USB.
2. Select Composer to view a list of albums by that composer.
3. Select a song from the list to begin playback.

Audiobooks:

1. Press to view the audiobooks stored on the iPod.
2. Select the audio book from the list to begin playback.

Folder View:

1. Press to view the directories on the USB/SD card.
2. Select a folder to view a list of all songs.
3. Select a song from the list to begin playback.

File System and Naming

The songs, artists, albums, and genres are taken from the file's song information and are only displayed if present. The radio displays the file name as the track name if the song information is not available.

Playing from an iPhone or iPad

This feature supports iPhone 3G, iPhone 3GS, iPhone 4, and iPad.

Follow the same instructions as stated earlier for using an iPod.

Loss of Audio

Do not pair the Bluetooth of an iPhone that is connected and using the iPod feature under vehicle media sources. If an attempt to pair the Bluetooth of the same connected phone is made, the system will automatically mute the iPod audio.

If there is a loss of audio, playback can be resumed by changing the audio flow from Bluetooth to USB cable.

To change the audio flow:

1. While the iPhone is connected, double tap the phone's home button.
2. Swipe a finger to the left on the phone's screen display. A box with a triangle on the lower line of the box that is highlighted displays. Press this box to display the dock connector option.
3. Select "Dock Connector."

Other phones such as the Android phones may have a similar reaction.

Bluetooth Streaming Audio and Voice Recognition

See *Bluetooth Audio on page 34* for information on using voice recognition with Bluetooth streaming audio.

Make sure all devices have the latest software downloaded.

SD Card Reader

This vehicle has an SD card port in the center console.

The SD port is for audio playback only. Photos are not supported. Playback from an SD card follows the same file formats and restrictions defined under the USB section.

Set up the SD card while the vehicle is in P (Park). See "Audio" under *Infotainment on page 3*.

Place the card into the port.

If an SD card has already been connected, but a different source is currently active, press the MEDIA screen button to scroll through the audio source screens until USB/SD card displays.

Auxiliary Jack

This vehicle has an auxiliary input jack in the center console under the armrest and in the center stack storage bin. Possible auxiliary audio sources include:

- Laptop computer
- Audio music player

This jack is not an audio output. Do not plug headphones into the auxiliary input jack. Set up an auxiliary device while the vehicle is in P (Park).

Connect a 3.5 mm (1/8 in) cable from the auxiliary device to the auxiliary input jack. When a device is connected, the system can play audio from the device over the vehicle speakers.

If an auxiliary device has already been connected, but a different source is currently active, press the MEDIA screen button to scroll through audio source screens, until AUX source screen displays.

Bluetooth Audio

If equipped, music may be played from a paired Bluetooth device. See *Bluetooth (Overview)* on page 77 or *Bluetooth (Infotainment Controls)* on page 78 or *Bluetooth (Voice Recognition)* on page 82 for help pairing a device.

The music can be controlled by either the infotainment controls, or the controls on the device.

Music can be launched by pressing the MEDIA screen button on the Home Page.

To play music via Bluetooth:

1. Power on the device, and pair to connect the device.
2. Once paired, go into the audio application from the Home Page or via the application tray. Select MEDIA until Bluetooth displays.

Bluetooth Audio Menu

Press the MENU screen button to display the Bluetooth Audio menu. The following may be available:

Bose AudioPilot: If equipped, press to turn Bose AudioPilot on or off. AudioPilot is an On/Off selection on the list entry from the Main menu. This feature adjusts the volume based on the noise in the vehicle. When turned on, AudioPilot detects noise and vehicle speed to continuously adjust the audio signal so that music will sound the same at a set volume level. This feature is most effective at lower radio volume settings where background noise can affect how well the music is being played. See www.bose.com/audiopilot.

Tone Settings:

- **Bass, Midrange, Treble, Surround:** Press + or – to adjust. Surround adjusts the headrest speaker volume only.

- **Balance:** Press < or > for more sound from the left or right speakers. The middle position balances the sound between the left and right speakers.
- **Fade:** Press UP or DOWN for more sound from the front or rear speakers. The middle position balances the sound between the front and rear speakers.

Press ⏪ Back to go back to the previous menu.

Manage Bluetooth Devices: Press to go to the Bluetooth page to add or delete devices.

When selecting Bluetooth audio, the radio may not be able to launch the audio player on the connected device to start playing. When the vehicle is not moving, choose the phone to begin playback.

All devices launch audio differently. When selecting Bluetooth audio as a source, the radio may show as

paused on the screen. Press play on the device or press ► to begin playback.

Some phones support sending Bluetooth music information to display on the radio. When the radio receives this information, it will check to see if any is available and display it. For more information about supported Bluetooth features, see www.gm.com/bluetooth.

Rear Seat Infotainment

Rear Seat Entertainment (RSE) System

The vehicle may have a RSE system. The RSE system includes a radio with AM/FM/XM, Blu-ray/DVD/CD player (if equipped), USB, SD, Audio/video jacks, a set of wireless headphones, and a remote control.

Before Driving

The RSE is for rear seat passengers only. The driver cannot safely view the video screen while driving.

In severe or extreme weather conditions, the RSE system may not work until the temperature is within the operating range. The operating range is above -20°C (-4°F) and below 55°C (131°F).

Headphones



1. Power indicator light
2. Channel 1 or 2 switch
3. Volume control
4. Power button
5. Battery cover

RSE includes two 2-channel wireless headphones. The headphones are used to listen to various multi-media. The wireless headphones have a power button, Channel 1 or 2 switch, and a volume control.

Push the power button to turn on the headphones. A light on the headphones comes on. If the light does not come on, check the batteries. Intermittent sound or static can also indicate weak batteries. See "Battery Replacement" later in this section.

Turn the headphones off when not in use.

Press the center of the right side to change the channel. Channel 1 will provide audio associated with screen 1 and channel 2 will provide audio associated with screen 2.

- Screen 1 is behind the Driver/Left seatback.
- Screen 2 is behind the Passenger/Right seatback.

Infrared transmitters are on the top of the left seatback video screen. The headphones shut off automatically to save the battery power if the RSE system is off or if the headphones are out of range of the transmitters for more than

three minutes. Moving too far forward or stepping out of the vehicle can cause the headphones to lose the signal or have static.

Use the volume control on the headphones to adjust the volume.

For best audio performance, wear the headphones as indicated with L (Left) and R (Right) on the ear pads. Do not let anything cover the ear pads.

Notice: Do not store the headphones in heat or direct sunlight. This could damage the headphones and repairs will not be covered by the warranty. Storage in extreme cold can weaken the batteries. Keep the headphones stored in a cool, dry place.

If the foam ear pads become worn or damaged, the pads can be replaced separately. To purchase replacement ear pads, call 1-888-293-3332 or contact your dealer.

Battery Replacement

To change the batteries:

1. Loosen the screw to the battery door on the left side of the headphones.
2. Slide the battery door open.
3. Replace the two AAA batteries.
4. Replace the battery door and tighten the screw.

Remove the batteries if the headphones will not be used for a long time.

Auxiliary Inputs

Audio/Video (A/V) Jacks

The A/V jacks may be on the rear of the floor console. They allow audio or video cables to be connected from an auxiliary device such as a camcorder or a video game system.

The A/V jacks are color coded:

- Yellow for video input.
- White for left audio input.
- Red for right audio input.

Power for auxiliary devices is not supplied by the infotainment system.

To use the auxiliary inputs of the RSE system:

1. Connect the auxiliary device cables to the A/V jacks.
2. Power on both the auxiliary device and the RSE video screen.

USB/SD

A USB and SD input is in the rear of the center console. This allows for video and audio playback of supported media.

To use the USB and SD:

1. Insert the device in the appropriate slot.
2. Select the source via the rear screen menu with the remote control Media button.
3. Select the source via the front by pressing on the “Video” application on the home screen.

Audio Output

Audio from a Blu-ray/DVD/CD player or auxiliary inputs can be heard through:

- Wireless headphones.
- Vehicle speakers.
- Vehicle wired headphone jack (if equipped) on the rear of the center console.

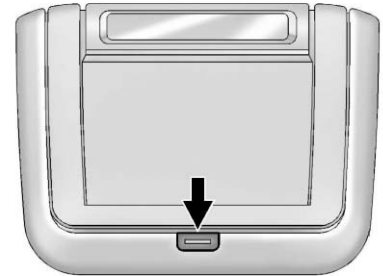
The RSE system transmits the audio signal to the wireless headphones if an audio signal is available. See “Headphones” earlier in this section.

Audio from the wired headphone jack (if equipped) can be heard from the desired source through the Menu button on the remote and by selecting “Headphone.” The headphone audio is selected based on the audio associated with screen 1 or screen 2.

The front seat passengers are able to listen to playback from the A/V jacks through the vehicle speakers by selecting Rear A/V as the source on the radio.

Video Screens

The video screens are in the back of the driver and front passenger seats.



To use:

1. Push the release button on the seatback console.

38 Infotainment System

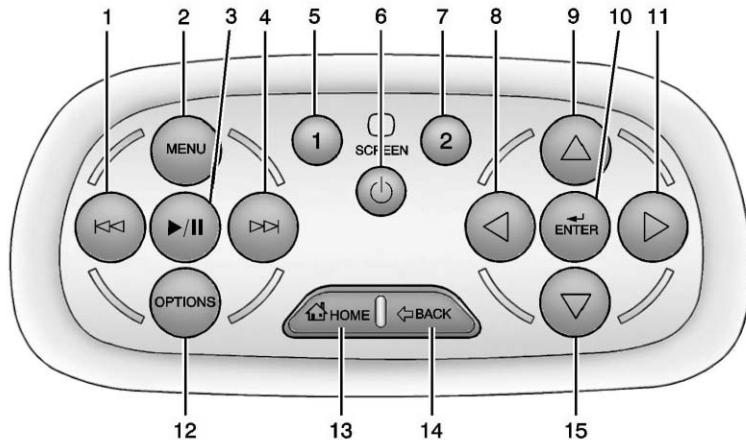
2. Move the screen to the viewing position.

Push the video screen down into its locked position when it is not in use. The screen turns off automatically.

Only the top of the left RSE seatback console has eight infrared transmitter lights for the wireless headphones throughout the vehicle. Both seatbacks have an infrared receiver for the remote control on the top of each console.

Notice: Avoid directly touching the video screen, as damage may occur.

Remote Control





Remote Control Buttons





1. ⏮ (Previous/Reverse)



- Radio: Press to seek the previous radio station.
- CD: Press to seek the previous track.

- Blu-ray/DVD: Press to seek the previous chapter.
- Press and hold for fast reverse.

2. MENU

- Press to scroll through the menus including: CD, AUX, or Blu-ray/DVD.
3.  (Play/Pause)
 - Press to start playing. Press to pause. Press again to continue playing.
 4.  (Next/Fast Forward)
 - Radio: Press to seek the next radio station.
 - CD: Press to seek the next track.
 - Blu-ray/DVD: Press to seek the next chapter.
 - Press and hold to fast forward.
 5. SCREEN 1
 - Press to select the left screen. Once pressed, all remote control commands will only pertain to screen 1.

6.  (Power)
 - Press to turn the video screens on and off.
7. SCREEN 2
 - Press to select the right screen. Once pressed, all remote control commands will only pertain to screen 2.
8.  (Previous/Reverse/Decrease)
 - Radio and CD: Press to go to the previous station or track.
 - Press to go to the previous menu.
 - Press to decrease the brightness of the RSE screen.
9.  (Up Arrow)
 - Press to scroll up a list.
10.  /ENTER
 - Press to select the highlighted choice in any menu.

- Press and hold for quick play.
11.  (Next/Forward/Increase)
 - Radio and CD: Press to go to the next station or track.
 - Press to go to the next menu.
 - Press to increase the brightness of the RSE screen.
 12. OPTIONS
 - Press to scroll through the radio sources including AM, FM, or XM (if equipped).
 13.  HOME
 - Press to go back to the home screen or main page of the current band or media.

14. ↶ BACK

- Press to go back to the previous menu.

15. ▾ (Down Arrow)

- Press to go down a list.

To use the remote control, aim it at the transmitter window at either seatback console and press the buttons firmly. Direct sunlight or very bright light could affect the ability of the RSE transmitter to receive signals from the remote control. Check the batteries if the remote control does not seem to be working. See “Battery Replacement” later in this section. Objects blocking the line of sight could also affect the function of the remote control.

If a CD, Blu-ray/DVD, or MP3 disc is in the CD slot, the remote control ⏏ button can be used to turn on the video screen display and start the disc. The infotainment system can also turn on the video screen display.

Changing the RSE Video Screen Settings

The brightness can be changed from the setup menu using the remote control. To change a setting:

1. Press MENU.
2. Select Brightness and then use ◀ or ▶ to adjust the settings.
3. Press ↶ BACK to exit the setup menu.

Notice: Storing the remote control in a hot area or in direct sunlight can damage it, and the repairs will not be covered by the warranty. Storage in extreme cold can weaken the batteries. Keep the remote control stored in a cool, dry place.

Battery Replacement

To change the remote control batteries:

1. Insert a coin or key to pull up the rear cover on the remote control.

2. Replace the two AAA batteries in the compartment.

3. Replace the battery cover.

Remove the batteries from the remote control if it will not be used for an extended period of time.

RSE Troubleshooting

No power: The ignition might not be in ON/RUN or ACC/ACCESSORY.

The picture does not fill the screen. There are black borders on the top and bottom or on both sides or it looks stretched out: Press the menu button on the remote control to change the display mode setting.

In auxiliary mode, the picture moves or scrolls: Check the auxiliary input connections at both devices.

The remote control does not work: Check to make sure there is no obstruction between the remote control and the transmitter window.

Check the batteries to make sure they are not dead or installed incorrectly.

There is no sound from the headphones with the indicator light on:

If the batteries are good, make sure the headphones are on the correct channel for the screen being viewed.

The auxiliary source is running but there is no picture or sound:

Check that the RSE video screen is in the auxiliary source mode by pressing the MEDIA button on the remote control. Check the auxiliary input connections at both devices.

Sometimes the wireless headphone audio cuts out or buzzes:

Check for obstructions, low batteries, reception range, and interference from cell phone towers or from using a cellular telephone in the vehicle. Check that the headphones are on correctly using the L (Left) and R (Right) on the headphones. Check that the

headphones are positioned properly with the headband across the top of the head.

I lost the remote and/or the headphones: See your dealer for assistance.

The Blu-ray/DVD is playing, but there is no picture or sound:

Check that the RSE video screen is sourced to the Blu-ray/DVD player by pressing the MEDIA button on the remote control.

Video Display Error Messages

The video screen may display one of the following:

Disc Error: There are disc load or eject problems, the disc is inserted with the disc label wrong side up, the disc is damaged, or the disc is not from the correct region.

No Disc Inserted: No disc is present.

Disc Player Error: The temperature is outside the operating range of the RSE system. If the temperature is within range, see your dealer.

Video Distortion

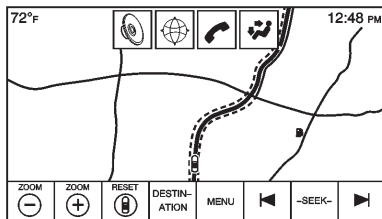
Video distortion can occur when operating cellular phones, scanners, CB radios, Global Positioning Systems (GPSs)*, two-way radios, mobile faxes, or walkie talkies.

It might be necessary to turn off the video player when operating one of these devices in or near the vehicle.

*Excludes the OnStar System.

Navigation

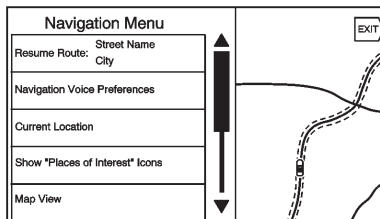
Using the Navigation System



Press the NAV button on the Home Page or the NAV icon in the application tray to access the navigation application.

Press MENU from the map view to access the Navigation Menu. Features displayed in the Navigation Menu can be selected to adjust navigation preferences.

It is advised to set up preferences before setting a destination. To set a destination, see *Destination on page 52*.



Additional navigation features are:

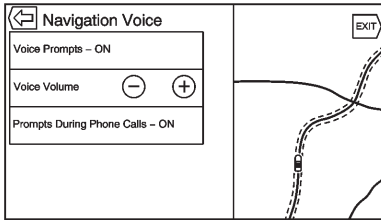
- End/Resume Route
- Navigation Voice Preferences
- Current Location
- Display “Places of Interest” Icons
- Map View
- Routing Preferences
- Traffic
- Personal Data

Resume Route

- Press the Resume Route screen button to resume route guidance to the last entered destination.
- While under route guidance, this screen button displays End Route. Press End Route to end route guidance. No further prompts will be given. The list item then changes to Resume Route.
- The last location that the system has provided guidance to can be resumed by pressing on this list item.
- If the route includes waypoints, the entire route can be suspended using the End Guidance list item. When Resume Guidance is pressed, all waypoints are resumed for guidance.

Navigation Voice Preferences

Press the Navigation Voice Preferences list item to adjust the voice preferences.



The following options can be adjusted:

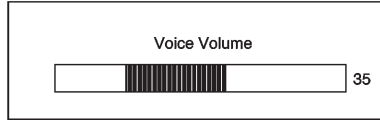
- Voice Prompts ON/OFF
- Voice Volume
- Prompts During Phone Calls ON/OFF

Voice Prompts

Press the Voice Prompts list item to toggle voice prompts ON and OFF.

Voice Volume

Adjust the loudness of the audio feedback by pressing the - or + button. If a maneuver prompt is being played, and the main volume is adjusted, the prompt volume will update and be saved.



As the volume of the voice guidance is being adjusted, a quick status bar displays, showing the volume setting.

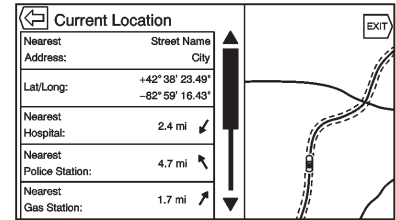
Prompts During Phone Calls

When enabled, the system plays a shorter prompt while on a phone call. This setting can be configured as to whether a prompt would be heard during a phone conversation.

When this setting is OFF, only the short alert tone is played when approaching the maneuver.

Current Location

Press the Current Location list item to display a Current Location list.



The following information is displayed on the Current Location list:

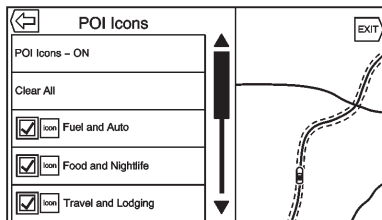
- Nearest Address
- Lat/Long
- Nearest Hospital
- Nearest Police Station
- Nearest Gas Station
- Nearest Roadside Assistance

Pressing on any of the options will display the destination details view for that location to allow you to begin guidance to the selected location.

Press the Nearest Address button and then the Save screen button to store the current location to the Address Book.

Display Places of Interest Icons

Places of Interest (POI) icons can be displayed on the map using this view.



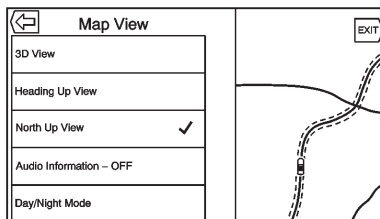
- The POI icons can be turned ON and OFF. Press the check box next to the POI icon to display the icon.
- Press Clear All to reset the icons that are displayed on the map.
- A subcategory can be selected instead of the entire category. Press the list item itself rather

than the check box. The subcategories will display. Select any of those categories to navigate down the hierarchy.

- When a higher-level category has some of its subcategories selected, the checkmark next to it is grayed out. This indicates that only some of the categories below are shown. Press the grayed-out checkmark to turn all of the icons for that category on or off.

Map View

Press to select the desired map view. A checkmark appears to indicate a view has been selected.



3D View

The 3D View is a Heading Up view but it includes perspective. Map items will appear larger as the vehicle comes closer.

Heading Up View

The Heading Up View keeps the vehicle's current heading at the top of the view. The vehicle icon always faces the top of the view as the map rotates.

North Up View

The North Up View keeps north at the top of the view. The vehicle icon is placed in the center of the view and rotates to indicate the heading for the vehicle.

Audio Information On/Off

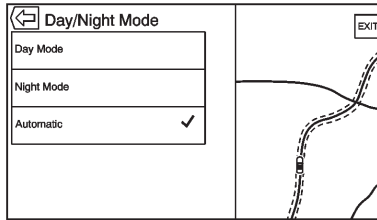
Press to turn the audio information view on or off from the main map view. When ON, the audio information becomes an audio status pane. This allows for two lines of audio information in the status pane and enables the use of some Interaction Selector controls.

The audio status screen contains the following elements:

- Station Frequency
- Artist Information
- Song Information
- ▶ / || or ◀ / ▶ Station and Channel Controls

Press the ◀ / ▶ Station controls to go to the next or previous strong signal station or digital channel.

When the audio status pane displays Artist and Song Information, press the ◀ / ▶ controls to go to the next or previous track based on the current media mode.



Day/Night Mode

Press to access the Day/Night Mode menu.

The options are:

- Day Mode: Brightens the map background.
- Night Mode: Darkens the map background.
- Automatic: Adjusts the screen background automatically depending on the exterior lighting conditions.

Routing Preferences

Press the Routing Preferences list item to access the Routing Preferences menu. Options on how the routes are created for route guidance are listed on this menu.

Route Style

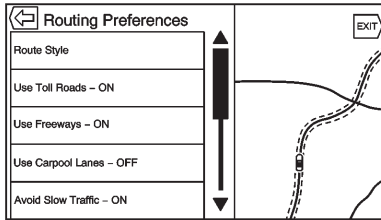
Press this list item to change the route type preferences.

The options are:

- Fast (default)
- Eco Friendly (if equipped)
- Short
- Configure Eco Profile

The Configure Eco Profile can be used to configure two parameters for the Eco Friendly route. These parameters are roof load and trailer. For each parameter, the options are None, Small, Medium, and Large. Press to scroll through the list. The default for both is None.

These preferences are used for all routes generated.



Route segment preferences are other options showing on the Routing Preferences menu.

This includes:

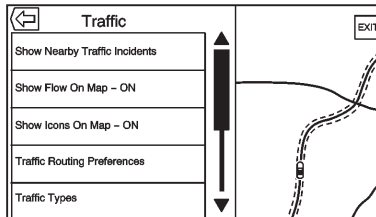
- Use Toll Roads ON/OFF
- Use Freeways ON/OFF
- Use Carpool Lanes ON/OFF
- Avoid Slow Traffic ON/OFF
- Use Tunnels ON/OFF
- Use Time Restricted Roads ON/OFF

Traffic

Press to browse the traffic in the area as well as adjust the traffic settings. Where traffic information is available, it is displayed on the map.

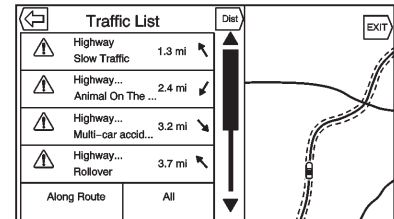
Where live traffic flow data is available, it is displayed as a solid line adjacent to the road. The road is displayed in colors to show the flow rate as:

- Black – Stopped or Closed
- Red – Poor
- Yellow – Slow
- Green – Normal



There are several options on the Traffic menu:

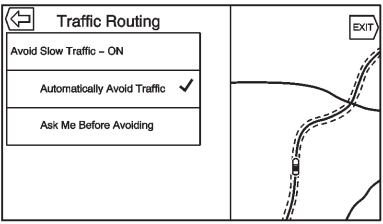
- Show Nearby Traffic Incidents
- Show Flow On Map ON/OFF
- Show Icons On Map ON/OFF
- Traffic Routing Preferences
- Traffic Types



1. Press Show Nearby Traffic Incidents to access the Traffic List menu. This menu displays the incident symbol and highway name, along with the distance and heading to the incident.

- 2. Press on the incident to display additional details about the incident as well as an option to avoid that particular incident if it is along the current route.

Traffic Routing Preferences



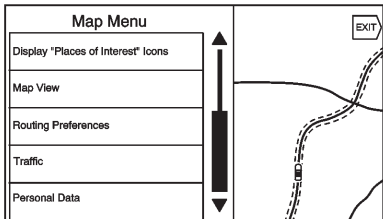
The system can be configured as to how it reacts when receiving traffic information. Press Traffic Routing Preferences to access the Traffic Routing menu.

When this setting is OFF, the system will never take traffic conditions into account when creating routes. In addition, the two options below are grayed out. If one of the grayed-out options is

pressed, it automatically turns the traffic avoidance feature ON and performs the desired selection.

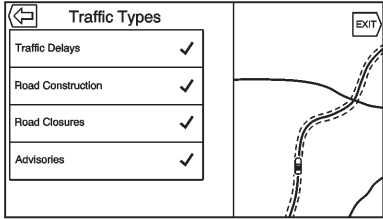
The two options, Ask Me Before Avoiding and Automatically Avoid Traffic will adjust the system as follows:

- If the Automatically Avoid Traffic list item is pressed, the system will automatically adjust the route based on traffic without notifying the driver.
- If the Ask Me Before Avoiding list item is pressed, the system will always use Alerts to show when there is an incident and allow it to be avoided by pressing the avoid button.



If the Traffic list item is pressed from the Map Menu and Traffic is not available because the SiriusXM subscription is not valid, a pop-up will display with information on how to reactivate the subscription along with the SiriusXM radio ID.

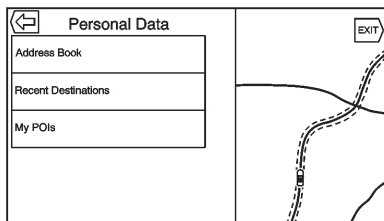
Traffic Types



Press to access the Traffic Types menu.

The system can be configured to filter out certain types of traffic events. If a particular type has been turned off, the system does not display it on the map, and does not alert the driver.

Personal Data



Data that the system has saved during the course of using the navigation system can be managed through:

- Address Book Entries
- Recent Destinations
- My POIs (if equipped)

Address Book Entries

Press Address Book to edit.

Recent Destinations

- Press Delete Individual Destinations to display a recent destinations list. Select the individual entry to delete.
- Press Delete All Destinations to delete the entire recent destination list. A pop-up displays asking to confirm the deletion.

My POIs

- Press My POIs to display a menu of other options.
- Select Delete Individual Categories. A My POIs category list displays.
- Select the individual entry to delete.
- Press Delete All My POIs to delete the entire list of categories. A pop-up displays asking to confirm the deletion.

- To exit out of a list, press the EXIT screen button in the top right corner of the map to return to the main map view.

Map Adjustments

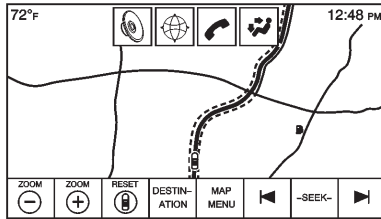
ZOOM -/+ can be used to adjust the scale of view on the map. When the end of the zoom level is reached, ZOOM -/+ will gray out.

Use the pinch/spread hand gesture to zoom the scale of view on the map.

- ZOOM - (minus): Pinch fingers together to zoom out.
- ZOOM + (plus): Spread fingers apart to zoom in.

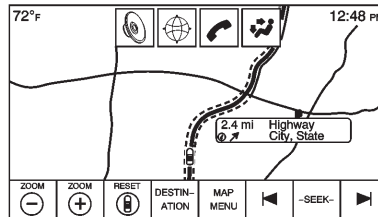
The zoom scales can be configured for English or metric units. To change from English to metric, see “Instrument Cluster” in the owner manual.

Scroll Features



- To scroll within the map, press anywhere on the map screen.
- Nudge or slide a finger on the map; the map moves in the direction of the finger.
- Fling a finger on the map; the map will start scrolling in a short continuous scroll.
- Press a finger on the location on the map; the map recenters to the location that was pressed on.

- Press a finger twice on a location on the map, the map zooms in one level to the location that was pressed twice on.
- When the map is recentered away from being locked to the vehicle position, the crosshairs will show in the center of the map. As the map continues to be recentered, the crosshairs will remain on the screen. When the crosshairs are shown on the screen, a callout with more information displays. If the map is moved from the current location, the crosshairs will disappear along with the callout.



- Press a finger on the callout next to the crosshairs and the destination details view displays. From this view, route guidance can be received or saved to the vehicle's contact list.
- When the map is recentered, the straight-line distance from the vehicle to the selected point is displayed in the callout. In addition, a heading direction in the form of an arrow is displayed to indicate the direction. The arrow is shown in relation to the current vehicle heading.
- Press a finger on a POI icon shown on the map; the name of the POI is shown in the address callout, along with the city name and state. If the callout is selected, the destination details view for the POI shown.
- After panning the map away from the vehicle, press RESET to return the map back to the current position.

- Press the Overview button to quickly get a view of the entire route. The route Overview button takes the place of the RESET button while under route guidance. Press the RESET button to return the map to the current position.

Maps

The map database is stored in the internal flash memory that is used in the navigation system.

Detailed Areas

Road network attributes are contained in the map database for detailed areas. Attributes include information such as street names, street addresses, and turn restrictions. A detailed area includes all major highways, service roads, and residential roads. The detailed areas include Places of Interest (POIs) such as restaurants, airports, banks, hospitals, police stations, gas stations, tourist attractions, and historical monuments. The map

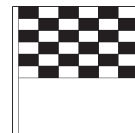
database may not include data for newly constructed areas or map database corrections that are completed after production. The navigation system provides full route guidance in the detailed map areas.

Navigation Symbols

Following are the most common symbols that appear on a map screen.



The vehicle symbol indicates the current position and heading direction of the vehicle on the map. When under route guidance, a circle with an arrow is added to the vehicle symbol which indicates the direction to the destination.



The destination symbol marks the final destination after a route has been planned.



The waypoint symbol marks one or more set waypoints.

A waypoint is a stopover destination point added to the planned route.



The estimated time to the destination displays. Press the Arrival button to toggle to duration and to the distance of the destination.



This symbol indicates the recommended maneuver that should be performed. Press it to display the turn list or waypoint list.



The No GPS symbol appears when there is no Global Positioning System (GPS) satellite signal. When

the GPS is gone, the vehicle position on the map may not be accurate.

Autozoom

As a maneuver is being approached, the map automatically zooms in to give greater detail.

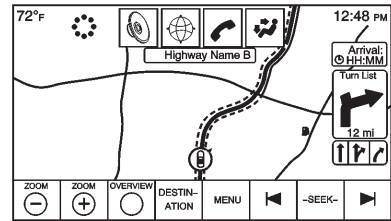
If lane guidance is available for the maneuver, this is also shown.

When the system begins to autozoom, it zooms in to its minimum level. After the maneuver is performed, the system slowly zooms back out.

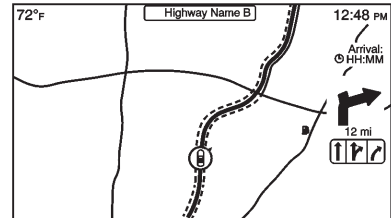
Driving on a Route

Maneuver Road Name

If the road name has multiple names, all names are shown.



Map View with Proximity

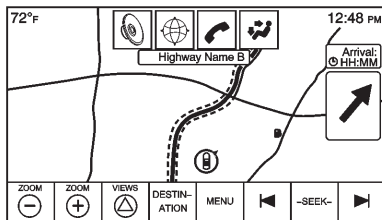


Map View Without Proximity

If the road that the system has calculated for the next maneuver has an icon, it will be shown to the left of the maneuver road name.

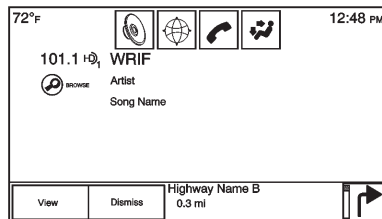
The distance to the maneuver is shown from the current location along the route to the maneuver.

Off-Road Indication



When driving in an area with no road showing on the map, the system transitions to off-road mode. The map displays a destination pointer in the Turn List area. The system will attempt to guide by showing a highlighted route starting at the nearest road. This road name is shown in the next maneuver name field at the top of the screen.

Navigation Next Turn Maneuver Alert

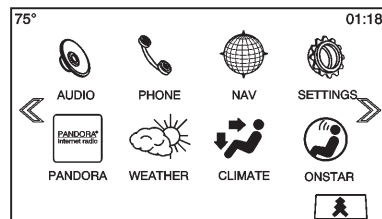


The navigation system may need to get the attention of the driver in certain situations.

If not in the navigation application when a near maneuver prompt is given, it is shown as an alert. The alert contains the turn indicator and button to display the main navigation view, or dismiss the alert.

The alert also contains the name of the street to turn on and a countdown bar.

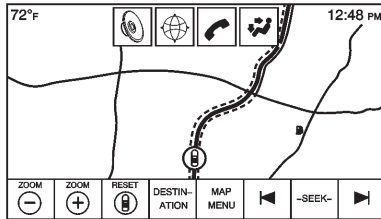
Destination



If route guidance is not active, press the NAV screen button on the Home Page to access the map view. Press the Destination icon from the map view to enter a destination. Available methods of entering a destination are Voice Recognition, Address, Recent Destination, Contacts, and POIs. Several options can be selected to plan a route. Some destination items may be grayed out if no destination was previously entered or saved.

Another way to enter a destination is to connect to the OnStar® system and ask an OnStar Advisor to

download a destination into the embedded navigation system. See *OnStar® System on page 63*.



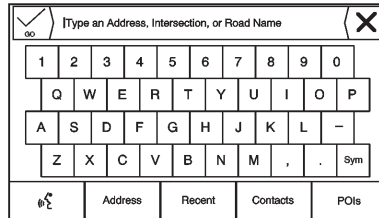
Press the DESTINATION button to go to the destination entry views.

Available Methods of Search

- Voice Recognition
- Address
- Recent Destinations
- Contacts
- POIs

Press the DESTINATION button and the last used destination view is shown. This mode is retained. The initial default is Address.

Alpha-Numeric Keyboard



The keyboard is used in multiple locations throughout the system and can be used with many features. The navigation system uses the keyboard's alpha-numeric system which includes 1 through 0, A through Z in QWERTY layout, hyphen, comma, period, Space, and Sym which would show additional characters needed.

The keyboard can also be modified to include characters appropriate for the region configured in the vehicle settings.

✓ **GO**: Press to search for the destination details of an address or place of interest entered in the text

field. Once the GO screen button is pressed, the activity indicator displays in the list of possible matches.

▽ **(Dropdown Arrow)**: Press to display a list of matches.

When there are multiple matches, a dropdown arrow is shown after the autocomplete text. This dropdown displays an entire list of matches. Press the appropriate match without having to enter more text.

✕ **(Delete)**: Press to delete the last typed character. Press and hold this screen button to clear the entire text field. If the entire text field has been deleted, this screen button becomes an Undo button. Pressing Undo will restore the deleted text.

Exit: Press to return to the previous Map view.

Sym: Press to show the symbol keyboard.

Space: Press to enter a space between characters or the words of a name.

▲ (Up Arrow): Press to display the Interaction Selector.

Special Characters

As the characters are typed on the keyboard, a pop-up of the letter pressed displays above the key that was pressed.

Continue to press and hold, and any additional special characters associated with that letter are displayed around the current letter. To select one of the special characters, slide a finger left or right to adjust the highlight of the special character.

Special Character List

The following characters have special characters beneath them:

E - É Ê Ë Ì Í Î Ï	More Characters:
Y - Ÿ	0 - °
U - Ů Ú Û Ü Ů	! - ¡
I - Ī Ĭ Ĵ Ķ	\$ - ¥ £ ¢
O - Ō Ø Œ Œ Ó Ò Ò Ò	& - §
A - Á Â Ã Ä Å Æ Ā Ā	" - «»
S - Š (for lowercase s) Š Š	? - ¿
L - Ł	{ - { {
Z - Ź Ż Ź	} - }
C - Ć Ć Ć	.com - .net .org
N - Ń Ń	
. - ...	

Address

- A destination can be searched by typing out the address, intersection, highway, or freeway entrance ramps on the keyboard. This information is typed and displayed in the information field. Press the search icon to start the search.

For example:

Address: 100 Main Center
Crawford, State/Province (if needed)

Road Name: Main Rd

Intersection: North Square
West Road Standish State/
Province

Freeway: N-94

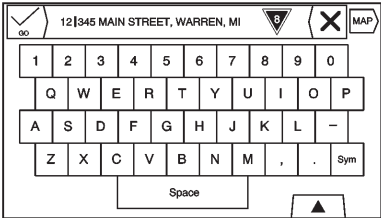
- State information does not have to be included in the search field if entering an address that is located in the same state.
- Whenever the keyboard view is entered, the last text that was typed, even if it was not searched on, will display.
- A partial or complete address can be typed in the search field. If a partial address is typed, the system attempts to use local knowledge to fill in additional information. For example, if no city name or state are given, the system assumes a search for something in the current city or a nearby city in the current state. The system is also capable of recognizing address formats according to other regions.

If a destination address or location being entered is outside of the country, the country abbreviation must be added after the address. For example, if the current vehicle location is in Detroit MI and the destination is in Windsor, the correct input would be Windsor ON CAN. For Mexican addresses, the abbreviation would be MEX and Puerto Rico is PR.

Intersection: If looking for an intersection, type in the two street names and optionally the city and state/province of the intersection.

On-Ramp: If looking for the closest on-ramp as a destination, enter a highway name. The direction is not required but can be specified. The system will search for the closest on-ramp.

Also available is the Exit-Ramp. For example, N-94 Exit 42.



The keyboard can utilize an autocomplete function. Depending on the application, autocomplete matches entries that have been previously typed or are stored in a Recent Destinations list.



1. After a character has been typed, the system is able to start displaying matches that begin

with that character. The matches continually become more refined as additional characters are entered.

2. If there are multiple matches for what has been entered, the first result alphabetically will be shown.

When there are multiple matches, a dropdown arrow is shown after the autocomplete text. This dropdown displays the entire list of matches. Press the appropriate match without having to enter more text.

3. If autocomplete does not show the results needed, press the delete screen button to clear the autocomplete from the entered field.

If there are no matches, a pop-up displays in response to show how the system understood the entered text and attempts to show how the text could be entered to help find the destination.

Multiple Matches

Address Search		Sort
1	A Result 41 mi ↗	▲ ▼
2	B Result 2.4 mi ↘	
3	C Result 3.7 mi ↘	
4	D Result 9.3 mi ↘	
5	E Result 9.3 mi ↘	

- If the search results in multiple matches, a list of matches is shown.
- Address search results are grouped by result type, in the order of Full Addresses, States, Cities, Intersections, and Streets. If no results are found in a particular group, that group is not shown. If only one type of result is found, the single type result screen is shown. Within each group, they are listed in Confidence order. This means that the highest confidence result will be at the top.

- Address searches can be sorted by Confidence, Distance, or Alphabetical Order. The default is sorting by Confidence.

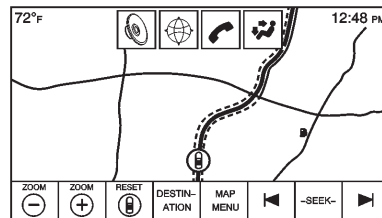
Spelling Mistakes

The system is able to offer alternatives if the searched term is not found exactly. The system uses the closest term it finds and provides those results.

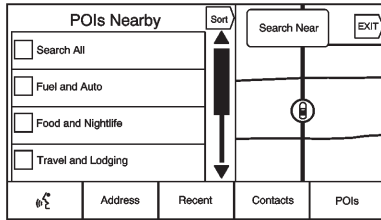
The system first searches the entered term exactly. If no matches are found, partial words are used. An example is, when entering in an address, the system attempts to do a full match on the entire string. If it does not find a match, the house number is then considered an optional term and the system attempts to find the street and city name. The prefix and suffix of street names are also treated as optional terms. The search is first done by trying to match the prefix and/or suffix. If there is no match found,

these terms are removed from the search to make the search more generic.

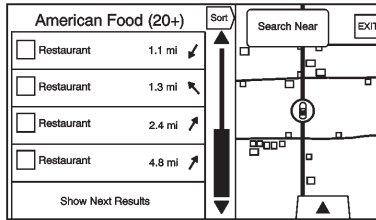
Places of Interest (POI)



While at the Home Page, press the Nav screen button to display a view of the map. Press the Destination screen button to go to the destination entry views.



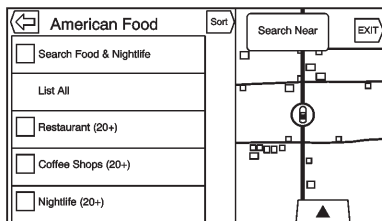
1. Press the POIs screen button to display a list of POI categories.
The first list item in every POI list is a search function. For the highest level of categories, press the Search All screen button or select a category and search within that selection.
2. Select a POI category to display subcategories.
3. If a selected subcategory has no results in the surrounding area, the search is expanded until a result is found.



4. If a high-level category is selected, such as fuel stations, the map zooms in to the region near the vehicle's position to show the nearest 20 matches. If the limit is reached and no further matches display, there is a Show Next Results button to expand the search by another 10 results. The currently selected category or search term is shown in the title bar along with the number of matches shown in the list in parentheses.
5. Pan or zoom the map using the finger gestures to minimize the POI list and to interact with the map. The icons that were shown before continue to be displayed

and updated. The list is also updated based on where the map was panned or zoomed. The search for POIs is constrained to where the map has been moved to.

6. If the search map is pressed to recenter, the crosshairs are shown to indicate the center of the new search location. If a POI icon is pressed on while in the full expanded map, a callout for that location displays. Press the callout to display the destination details view.
7. Press the map reset button to return the map to automatic zooming and searching. It is recentered around the vehicle's position, the route, the destination, or another location that was specified for the search. The map RESET button is only displayed if the map was manually adjusted.



Press the List All screen button to display all of the matching results in a particular category with its subcategories.

Using the Keyboard

The POI can be searched by entering a POI name, category, name and category, or phone number on the keyboard.

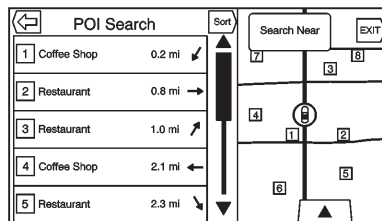
For example, enter the information as:

POI Name: Worldwide Food

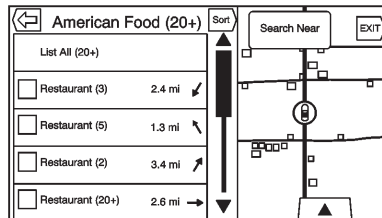
POI Category: Restaurants

POI Name and Category:
Worldwide Food Restaurants

POI Phone Number: 000222555



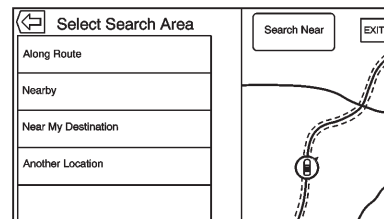
The POI keyboard search results will display in the order in which they were found. Press the Sort button to change the sorting order by Confidence, Alphabetical, or Distance.



If browsing for POIs or searching for results on a keyboard in a different location than what was searched previously, press the Search Near button to specify a different location.

If not under route guidance, the search area options are:

- Nearby (default)
- Another Location



If under route guidance, the search area options are:

- Along Route (default)
- Nearby
- Near My Destination
- Another Location

Favorite POIs

Locations, categories, or a particular POI chain ID can be saved as Favorites in the POIs view.

Press and hold on a favorite location, then press on the category to be saved. Whenever a set of POIs is grouped, as in a category or a set of POIs that all belong to the same chain ID, the whole category or chain ID is saved in the favorites for recall. POIs are only grouped by chain when the sorting order is Alphabetical.

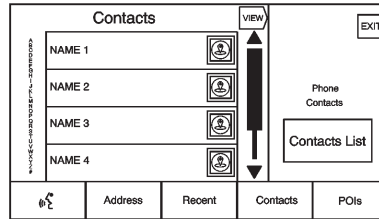
Recalling a POI Category or Chain

If a POI category or chain favorite is recalled, the system displays a list of matching results defaulting to nearby, but allows a search of other locations. Press the Search Near button to specify a different location.

Saved Destinations

Select a saved destination from the Contacts or Recent Destinations.

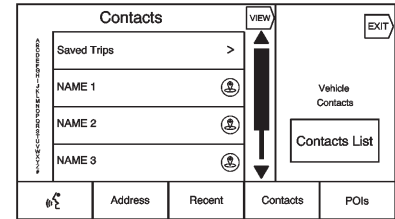
Contacts



Select the Contacts button to view the vehicle’s contact list or a connected Bluetooth device. If a particular contact has a single address associated with it, that contact has a Quick Route list item function button next to it. Contacts without this Quick Route button either have multiple addresses or no address at all. Press the Quick Route button to go to the Destination Details view.

Press on an address, either from the Quick Route on the contact list or a specific address from the

contact detail list, to go to the destination view showing that address on the map.



Trips from Contacts can be saved and recalled. The order is based on when the trip was last used. When the trips are saved, they are given a default title of the final destination name. If there are no saved trips, this list item is hidden.

Favorite Destinations

- Destinations can be saved as Favorites for recall later. Depending on the favorite, when an address or POI favorite is recalled, the Destination Details View is shown.

60 Infotainment System

- When a favorite address is being routed to, it is shown active. Press on the active favorite, to suspend that route.
- Save locations as Favorites for recall later in the Destination Details View.
- Save trips from the Address Book.

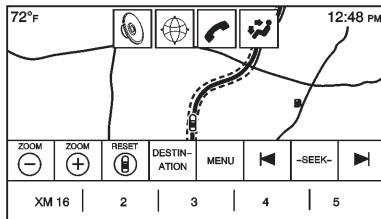
Storing Favorites from the Contact Details List

A contact name or any of the contact's information such as phone number, e-mail address, or address from Contact Details can be stored as a Favorite.

- Press and hold on the favorite location while viewing a contact on the Contact Details List. The contact name and all contact information can be stored.

- Press to save as a favorite. The favorite label will be the name of the contact.
- Press on the Favorite to display the destination view.

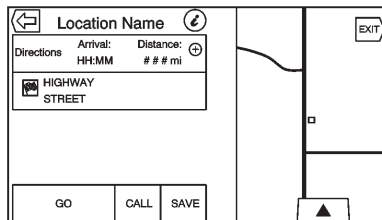
Storing Favorites from Map



Favorite locations can be stored from the Map View.

If not under route guidance, the current vehicle location will be saved as a Favorite. If under route guidance, the final destination will be saved.

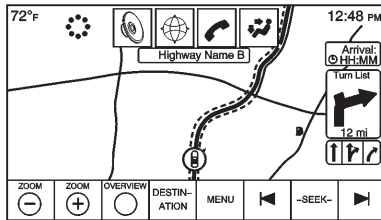
Route Guidance



- Press GO to go to the main navigation view and to start route guidance.
- If the system has an active route, a pop-up will display, "What would you like to do with this destination?" The options are: Add As Waypoint, Set New Destination, or Cancel.
- If a waypoint is added, it is placed in the location that leads to the most efficient route.
- There is a maximum number of waypoints that can be added to the system. When the maximum number has been reached, a

pop-up displays indicating that a waypoint must be deleted before a new one can be added. Even after a waypoint has been deleted, it will be added to the recent destinations list for easy recall.

Estimated Time of Arrival (ETA) and Distance



- When under route guidance, the system shows the ETA or travel time, or the driving distance.
- The ETA and travel time are calculated using any available traffic information.

- If in a waypoint trip, the ETA, travel time, and driving distance are all shown relative to the final destination.
- The final ETA is shown taking into consideration any time zone crossings that the route has traveled through.
- Press the ETA information area to switch between the estimated arrival time, total driving time resulting, and driving distance.

Turn List

Press on the next turn indicator shown on the map to display the turn list or waypoint list. The Interaction Selector is minimized automatically. Press ▲ to reveal the following options:

Destination

Press the Destination screen button to add a waypoint or change the destination while viewing the turn list. When the Destination screen button is pressed, the display shows the Destination screens.

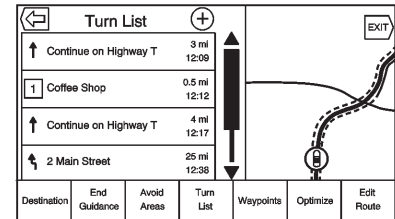
End Guidance

Press the End Guidance screen button to suspend the current route in the turn list. When the End Guidance screen button is pressed, the turn list is exited and the display returns to the main map view.

Avoid Areas

Press the Avoid Areas screen button to select the highway name that is to be avoided. The system shows a pop-up asking how many miles or if the entire road should be avoided.

Turn List



- When under a waypoint trip, press on the Turn List Interaction Selector button to show the turn list. When entering a turn list, the next maneuver instruction is spoken.
- The turn list title is the name or address of the destination. Press on the information button next to the name of the destination to display the destination information.
- The turn list is sorted in order with the next maneuver at the top of the list and the subsequent maneuvers listed below it. The next maneuver is always highlighted upon entry into the Turn List to quickly show what the next maneuver is.
- Each maneuver indicates the distance between it and the previous maneuver or the vehicle's current location. The next maneuver at the top will count down until the maneuver

is reached, and then the next maneuver will begin to count down.

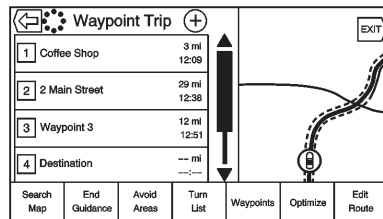
- Each maneuver has an estimated time of arrival based on the current driving conditions.

Saved Trips

Waypoint trips can be saved for later recall. Press the Add button in the waypoints list to save the trip to the Saved Trips list in the vehicle's contacts list. When trips are saved, they are given a default title of the final destination. Saved trips can be edited by selecting the Edit list item button to access the edit screen for the saved entry. The only field that can be edited is the name field. Press on the name field to access the keyboard view. Type the name change. This change is automatically saved when executed by the keyboard.

The saved trip can also be deleted from the edit mode. Press the delete button and a delete confirmation pop-up will display.

Waypoints



- When under a waypoint trip, press on the next turn indicator to bring up the waypoint list. The last waypoint view is shown, which could be Waypoints, Turn List, or Edit Route.
- The waypoint list is sorted in order with the next waypoint at the top of the list. Each waypoint is indicated with a numbered icon, starting with the next waypoint.
- To indicate what segment of the route is for the next waypoint, and what is for the remainder of the route, they appear in different colors.

Optimized Route

- Press the Optimize screen button to optimize the current waypoint trip.
- The optimization is done according to how the preferences are set for new routes, e.g., fastest route, shortest distance, or eco friendly.
- While the system is optimizing the route, the waypoint trip has the Activity Indicator displayed over top of it. If the system is calculating the ETA and travel distance for a waypoint, the Activity Indicator is displayed in the list header.
- When either a waypoint trip is first created, or additional waypoints are added to an existing waypoint trip, they are added in the location that would lead to an optimized route.
- If a destination is already planned and a waypoint is added, it is either added before

or after the current destination, whichever leads to the most optimal route.

- If under an existing waypoint trip consisting of two or more destinations, any additional waypoints are added in the location that would lead to the most optimal route.

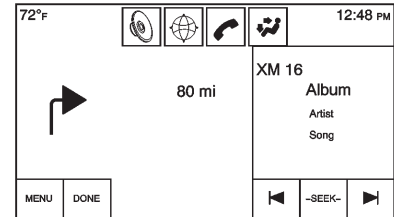
Edit Route

- Press the Edit Route screen button to modify the order or remove a waypoint from the route. Press the delete screen button to remove a waypoint from the route.
- A pop-up displays asking for confirmation of the waypoint deletion.

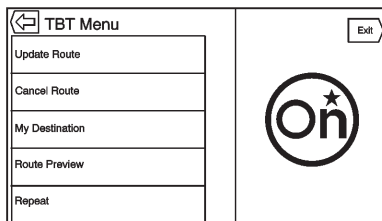
OnStar® System

An OnStar® subscriber has the ability to connect to the OnStar system and ask an OnStar Advisor to download a destination into the embedded navigation system. OnStar will send address information and location coordinates of the destination into the navigation system.

OnStar Turn-by-Turn



Press the MENU button to go to the Turn-by-Turn (TBT) menu.



The TBT menu consists of the following options:

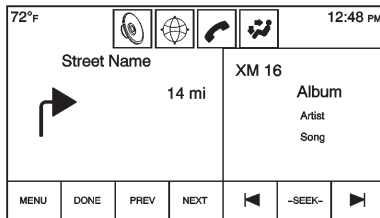
- Update Route only shows if the vehicle is off the route
- Cancel Route
- My Destination
- Route Preview
- Repeat

When the system is downloading a route, the only option available is Cancel Route. Once the route is downloaded, the additional list items display.

My Destination

If My Destination is selected, a special version of the Maneuver View displays. The Destination Address is shown in the Street Name field and the total distance to the destination is shown in the Distance to Maneuver View. Press the DONE button to return to the Maneuver View.

Route Preview



- If Route Preview is selected, a special version of the Maneuver View displays.

- Press NEXT to display the next maneuver information, including distance between it and the previous maneuver.
- Press PREV to display the previous maneuver information, including distance between it and the previous maneuver.

While on the current maneuver, the PREV button is hidden. If on the last maneuver, the NEXT button is hidden.

- Press the DONE button to return to the Maneuver View.

Repeat

Select Repeat to go back to the Maneuver View. The audible maneuver prompt is repeated.

No Active Route



There is no active route:

- If the vehicle does not have navigation and the navigation application is selected from the Home screen, a screen stating, “No Active Route” displays. Press the Call OnStar button.
- If the system receives the indication that there is an active OnStar subscription, the help text is displayed with instructions on how to set up a route.
- When no OnStar is in the vehicle, the navigation application icon is removed from

the home screen and applications tray, so this view is not accessible.

Mutually Exclusive from Embedded Navigation

If the vehicle has both an embedded navigation system and OnStar, the system only allows one application at a time. If under an OnStar Turn-by-Turn route, all internal navigation functions are disabled until the route is completed.

When the navigation application is selected, OnStar Turn-by-Turn screens display.

Canceling an Embedded Route

If in an active route while using the embedded system and a Turn-by-Turn route is initiated, the embedded route is canceled automatically. The embedded route can only be resumed manually after completing or canceling the Turn-by-Turn route.

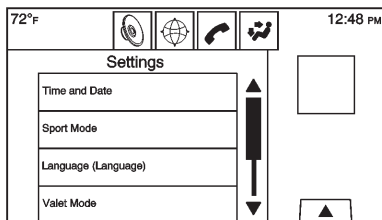
Canceling a Turn-by-Turn Route

If in an active route while using the Turn-by-Turn system and an embedded navigation route is initiated, a pop-up is displayed confirming that the Turn-by-Turn route should be canceled.

OnStar Canceling an Embedded Navigation

OnStar is able to remotely cancel the embedded navigation system. If connected to OnStar and an advisor is contacted, all navigation routes in the vehicle can be canceled. There will be no confirmation, and this update will immediately be reflected on the display. Route guidance can be resumed by selecting the Resume Route screen button in the Map Menu.

Settings



Press Settings on the Home Page to adjust features and preferences, such as Time and Date, Sport Mode, Language, Valet Mode, or Radio. For setting options, see *Settings on page 85*.

A few of the setting options change the way the navigation system displays or reacts while in use.

1. Press the Settings screen button on the Home Page.
2. Press the scroll bar until the desired option displays. Select the desired settings to change.

Voice

Voice recognition allows for hands-free operation within the navigation, audio, phone, and weather applications. See *Voice Recognition on page 70*.

Press the voice screen button to display the Speech menu.

Prompt Length: Press to change the prompt length to Short or Long.

Audio Feedback Speed: Press to change the auto feedback speed to Slow, Medium, or Fast.

Display

Mode: Press Mode to change the screen background. This setting controls map colors.

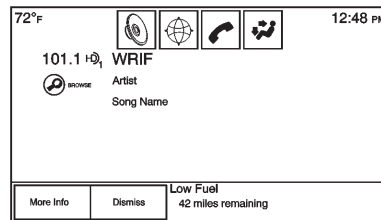
- The Auto setting adjusts the screen background automatically depending on the exterior lighting conditions.
- The Day setting brightens the map background.

- The Night setting darkens the map background.

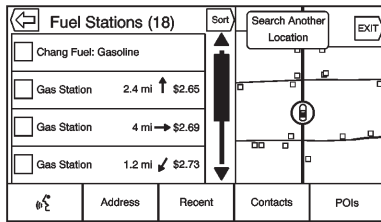
Calibrate Touchscreen: Press to display the Touchscreen Calibration Settings.

Turn Display Off: Press to turn the Display option off.

Low Fuel Alert



If the vehicle reaches a low fuel level, the system displays an alert about the low fuel condition. Press the Show Fuel Stations screen button to view nearby gas stations, and start guidance if desired.



If the remaining driving distance is available from the system, this is included in the alert.

Global Positioning System (GPS)

The position of the vehicle is determined by using satellite signals, various vehicle signals, and map data.

At times, other interference such as the satellite condition, road configuration, condition of the vehicle, and/or other circumstances can affect the navigation system's ability to determine the accurate position of the vehicle.

The GPS shows the current position of the vehicle using signals sent by GPS Satellites. When the vehicle is not receiving signals from the satellites, a symbol appears on the map screen. See *Navigation Symbols on page 50*.

This system might not be available or interference can occur if any of the following are true:

- Signals are obstructed by tall buildings, trees, large trucks, or a tunnel.
- Satellites are being repaired or improved.

For more information if the GPS is not functioning properly, see *Problems with Route Guidance on page 68* and *If the System Needs Service on page 69*.

Vehicle Positioning

At times, the position of the vehicle on the map could be inaccurate due to one or more of the following reasons:

- The road system has changed.
- The vehicle is driving on slippery road surfaces such as sand, gravel, or snow.
- The vehicle is traveling on winding roads or long straight roads.
- The vehicle is approaching a tall building or a large vehicle.
- The surface streets run parallel to a freeway.
- The vehicle has been transferred by a vehicle carrier or a ferry.
- The current position calibration is set incorrectly.
- The vehicle is traveling at high speed.

- The vehicle changes directions more than once, or the vehicle is turning on a turn table in a parking lot.
- The vehicle is entering and/or exiting a parking lot, garage, or a lot with a roof.
- The GPS signal is not received.
- A roof carrier is installed on the vehicle.
- Tire chains have been installed.
- The tires are replaced or worn.
- The tire pressure for the tires is incorrect.
- This is the first navigation use after the map data is updated.
- The 12-volt battery is disconnected for several days.
- The vehicle is driving in heavy traffic where driving is at low speeds, and the vehicle is stopped and started repeatedly.

Problems with Route Guidance

Inappropriate route guidance can occur under one or more of the following conditions:

- The turn was not made on the road indicated.
- Route guidance might not be available when using automatic rerouting for the next right or left turn.
- The route might not be changed when using automatic rerouting.
- There is no route guidance when turning at an intersection.
- Plural names of places might be announced occasionally.
- It could take a long time to operate automatic rerouting during high-speed driving.
- Automatic rerouting might display a route returning to the set waypoint if heading for a destination without passing through a set waypoint.

- The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
- Some routes might not be searched.
- The route to the destination might not be shown if there are new roads, if roads have recently changed, or if certain roads are not listed in the map data. See *Maps on page 50*.

To recalibrate the vehicle's position on the map, park with the vehicle running for two to five minutes, until the vehicle position updates. Make sure the vehicle is parked in a location that is safe and has a clear view of the sky and away from large obstruction.

If the System Needs Service

If the navigation system needs service and the steps listed here have been followed but there are still problems, see your dealer for assistance.

See *Problems with Route Guidance on page 68* for a listing of steps that should be followed before contacting your dealer.

Map Data Updates

The map data in the vehicle is the most up-to-date information available when the vehicle was produced. The map data is updated periodically, provided that the map information has changed.

United States and Canada

For questions about the operation of the navigation system or the update process, contact the GM Nav Disc Center toll-free phone number, 1-877-NAV-DISC (1-877-628-3472)

or go to the center's website, www.gmnavdisc.com. If updates are needed, call the GM Nav Disc Center or order online.

To order, have the vehicle's Vehicle Identification Number (VIN) available. This helps the center make sure that the correct and most up-to-date map data for the vehicle is received. See "Vehicle Identification Number (VIN)" in the owner manual.

Mexico

For any questions about the operation of the navigation system or the update process, contact General Motors of Mexico, Customer Care Center Cadillac toll-free phone number, 01-800-466-0805 or go to the center's website, cac.cadillac@gm.com.


Have the Vehicle Identification Number (VIN) available when ordering to ensure the correct and most up-to-date map data for the

vehicle received. See "Vehicle Identification Number (VIN)" in the owner manual.

Database Coverage Explanations

Coverage areas vary with respect to the level of map detail available for any given area. Some areas feature greater levels of detail than others. If this happens, it does not mean there is a problem with the system. As the map data is updated, more detail can become available for areas that previously had limited detail. See *Map Data Updates on page 69*.

Voice Recognition

Voice recognition allows for hands-free operation within the navigation, audio, phone, and weather applications. This feature can be started by pressing either the  button on the steering wheel or the voice recognition icon on the touchscreen display.

However, not all features within these areas are supported by voice commands. Generally, only complex tasks which require multiple manual interactions to complete are supported by voice commands.


For example, tasks that take more than one or two button presses such as selecting a song or artist to play from a media device would be supported by voice commands. Other tasks, like adjusting the volume or seeking up or down are audio features that are easily performed by pressing one or two buttons, and are not supported by voice commands.


In general there are flexible ways to speak commands for completing the tasks. Most of them, except destination entry and voice keypad, can be completed in a single command. If the task takes more than one command to complete, the first command would be to indicate the kind of task that is to be performed, like “Navigation Destination Entry.” The system will reply prompting dialog to help speak the necessary information. For example, if a destination for route guidance is needed, say “Navigation” or “Destination Entry.”

Voice recognition can be used when the ignition is on or when Retained Accessory Power (RAP) is active. See “Retained Accessory Power RAP” in the owner manual.

Using Voice Recognition

Voice recognition becomes available once the system has been initialized. Initialization takes place once the ignition is turned on. This may take a few moments.

1. Press  on the steering wheel control to activate voice recognition, or press the voice recognition icon on the infotainment touchscreen on the center stack.
 - If voice recognition is started from the steering wheel control, the instrument cluster displays the selections and visual dialog content.
 - If voice recognition is started from the infotainment touchscreen on the center stack, the lists and controls are verbal and the visual displays through the center stack.
2. The audio system mutes and the system plays a prompt followed by a beep.
3. Wait until after the beep completes, then clearly speak one of the commands described in this section.

Press  to interrupt any voice recognition. This will terminate the prompt. The beep is heard immediately, and a command can be stated without having to wait.

There are two voice prompt modes supported:

- Long verbal prompts: The longer prompts provide more information regarding the supported actions.
- Short prompts: The short prompts provide simple instructions about what can be stated.

If a command is not spoken, the voice recognition system says a help prompt.

Prompts and Screen Displays


While a voice recognition session is active, there will be corresponding buttons on screens displayed. Manual interaction in the voice recognition session is permitted. Interaction during a voice session

may be completed entirely using voice commands, or some selections may expedite a session. If a selection is made using a manual control, the dialog will progress in the same way as if the selection was made through a voice command. Once the system is able to complete the task, or the session is terminated, the voice recognition dialog stops.

An example of this type of manual intervention is pressing on an entry of a displayed number list instead of speaking the number associated with the entry desired.

Canceling Voice Recognition


- Press the Home screen button. Pressing this button will terminate the voice recognition session and display the Home Page screen.
- Press or say “Cancel” or “Exit” to terminate the voice recognition session and display the screen from which voice recognition was initiated.

- Press  on the steering wheel controls. This will terminate the voice session if the session was started by a press of the voice recognition touchscreen, and will display the Home Page screen.


Helpful Hints for Speaking Commands

Voice recognition can understand commands that are either naturally stated in sentence form, or direct commands that state the application and the task.

For best results:

- Listen for the prompt and wait for the beep before saying a command or reply.
- Say “Help” or look at the screen display for commands.
- Voice recognition can be interrupted during a prompt by pressing  again.

For example, if the prompt seems to be taking too long to finish, or if what is being

prompted causes a need for an immediate reply, press  again and wait for the beep.

- Speak the command naturally, not too fast, not too slow. Use direct commands without a lot of extra words.
- Usually Phone and Audio commands can be spoken in a single command.

For example, “Call David Smith at work,” “Play” followed by the artist or song name, or “Tune” followed by the radio station number.

- Navigation destinations are too complex for a single command. First, state a command that explains the type of destination needed, such as I want directions to an “Address,” “Navigate to an intersection,” “I need to find a Place of Interest or POI,” or “Directions to a Contact.” The system responds with requesting more details. After saying “Place of Interest,”

only major chains are available by name. Chains are businesses with at least 20 locations. For other POIs, say the name of a category like “Restaurants,” “Shopping Malls,” or “Hospitals.”

There is no need to memorize specific command words. Direct commands might be more clearly understood by the system. An example of a direct command would be “Call 555-1212.” Examples of these direct commands are displayed on most of the screens while a voice session is active. If “Phone” or “Phone Commands,” is stated, the system understands that a phone call is requested and will respond with questions until enough details are gathered.

If the phone number has been saved with a name and a place, the direct command should include both, for example “Call David Smith at work.”

Using Voice Recognition for List Options

When a list is displayed, a voice prompt will ask to confirm or select an option from that list. A selection can be made by manually selecting the item, or by speaking the line number for the item to select.

When a screen contains a list, there may be options that are available but not displayed. The list on a voice recognition screen functions the same as a list on other screens. Scrolling or flinging can be used to help display other entries from the list.

Manually scrolling or paging the list on a screen during a voice recognition session suspends the current voice recognition event and plays the prompt “Make your selection from the list using the manual controls or press the Back button to try again.”

If manual selection takes more than 15 seconds, the session terminates and prompts that it has timed out.

The screen returns back to the screen where voice recognition was initiated.

The Back Command

Say “Back” or press the Back button to go to the previous screen.

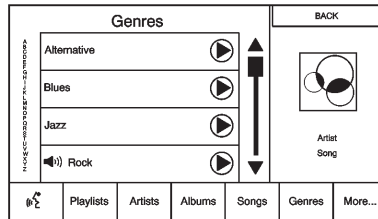
If in voice recognition, and “Back” is stated all the way through to the initial screen, then “Back” is stated one more time, the voice recognition session will cancel.

Help

Say “Help” on any voice recognition screen and the help prompt for the screen is played. Additionally, a pop-up displays a text version of the help prompt. Depending on how voice recognition was initiated, the Help pop-up will either display on the instrument cluster or the infotainment touchscreen. Press the Dismiss button to make the pop-up go away.

Pressing \mathbb{W} while the help prompt is playing will terminate the prompt and a beep will be heard. Doing this will stop the help prompt so that a voice command can be used.

Voice Recognition for the Radio



All audio screens have a voice recognition button (\mathbb{W}) to launch audio voice recognition. If browsing the radio when the voice button on the screen is selected, the voice recognition commands for Radio features are available.

“Switch to AM”: Switch bands to AM and tune to the last AM radio station.

“Switch to FM”: Switch bands to FM and tune to the last FM radio station.

“Switch to XM”: Switch bands to XM and tune to the last XM channel.

“Tune to <AM frequency> AM”: Tune to the radio station whose frequency is identified in the command (like “nine fifty”).

“Tune to <FM frequency> FM”: Tune to the radio station whose frequency is identified in the command (like “one oh one point one”).

“Tune to <AM frequency> AM HD”: Tune to the HD Radio station whose frequency is identified in the command.

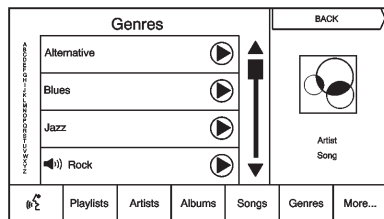
“Tune to <FM frequency> FM HD”: Tune to the HD Radio station whose frequency is identified in the command.

“Tune to <FM frequency> FM HD <HD channel number>”: Tune to the HD Radio station whose frequency and HD channel is identified in the command.

“Tune to XM Channel <XM channel number>”: Tune to the XM radio station whose channel number is identified in the command.

“Tune to XM Channel <XM channel name>”: Tune to the XM radio station whose channel name is identified in the command.

Voice Recognition for Audio My Media



If browsing My Media when the voice button is selected, the voice recognition commands for My Media features are available.

“Play Artist”: Begin a dialog to enter a specific Artist name.

“Play Artist <artist name>”: Begin playback of the media selection identified in the command.

“Play Album”: Begin a dialog to enter a specific album name.

“Play Album <album name>”: Begin playback of the identified album name in the command.

“Play Song”: Begin a dialog to enter a specific song name.

“Play Song <song name>”: Begin playback of the identified song name in the command.

“Play Genre”: Begin a dialog to enter a specific genre.

“Play Genre <genre name>”: Begin playback of the media selection identified in the command.

“Play Playlist”: Begin a dialog to enter a specific playlist name.

“Play Playlist <playlist name>”: Begin playback of the identified playlist in the command.

“Play <device name>”: Play music from a specific device identified by name. The device name is the name displayed on the screen when the device is first selected as an audio sourced.

“Play Chapter”: Begin a dialog to enter a specific name.

“Play Chapter <chapter name>”: Begin playback of the media selection identified in the command.

“Play Audiobook”: Begin a dialog to enter a specific name.

“Play Audiobook <audiobook name>”: Begin playback of the media selection identified in the command.

“Play CD Track <track number>”: Begin playback of the CD at the track identified in the command.

“Play Episode”: Begin a dialog to enter a specific name.

“Play Episode <episode name>”: Begin playback of the media selection identified in the command.

“Play Podcast”: Begin a dialog to enter a specific name.

“Play Podcast <podcast name>”: Begin playback of the media selection identified in the command.

“Play Video”: Begin a dialog to enter a specific name.

“Play Video <video name>”: Begin playback of the media selection identified in the command.

“My Media”: Begin a dialog to enter the desired media content.

Handling Large Amounts of Media Content

It is expected that large amounts of media content will be brought into the vehicle. It may be necessary to handle large amounts of media

content in a different way than smaller amounts of media. The system may limit the options of voice recognition by not allowing selection of song titles by voice at the highest level if the number of songs exceeds the maximum limit.

Voice command option changes through media content limits are:

- Song files including other individual files of all media types such as audiobook chapters, podcast episodes, and videos.
- Album type folders including types such as albums and audiobooks.

There are no restrictions if the number of song files and albums is less than 4,000. When the number of song files connected to the system is between 4,000 and 8,000, the content cannot be accessed directly with one command like “Play <song name>.”

The restriction is that the command “Play Song” must be spoken first; the system will then ask for the song name. The reply command would be to say the name of the song to play.

Similar limits exist for album content. If there are more than 4,000 albums, but less than 8,000, the content cannot be accessed directly with one command like, “Play <album name>.” The command “Play Album” must first be spoken; the system will then ask for the album name. The reply would be to say the name of the album to play.

Once the number of songs has exceeded approximately 8,000, there is no support for accessing the songs directly through voice commands. There will still be access to the media content by using commands for playlists, artists, and genres.

The access commands for playlists, artists, and genres are prohibited after the number of this type of media exceeds 4,000.

The system will provide feedback the first time voice recognition is initiated if it has become apparent that any of these limits are reached during a device initializing process.

Voice Recognition for Navigation

“Navigation”: Begin a dialog to enter specific destination information.

“Navigation Commands”: Begin a dialog to enter specific destination information.

“Destination Address”: Begin a dialog to enter a specific destination address, which includes the entire address consisting of the house number, street name, and city and state.

“Destination Intersection”: Begin a dialog to enter a specific destination intersection.

“Destination Place of Interest”: Begin a dialog to enter a destination Place of Interest category or major brand name (if equipped).

Not all brand names of businesses are available for voice entry. Most major chains, such as chains with more than 20 locations, should be available to search for by name, but the name must be precisely spoken. Nicknames or short names for the businesses will not likely be found. Lesser known businesses might have to be located by category, such as fast food, hotels, or banks.

“Destination Contact”: Begin a dialog to enter a specific destination contact name.

“Cancel Route”: End route guidance.

Voice Recognition for the Phone

“Call <contact name>”: Initiate a call to an entered contact. The command may include location if the contact has location numbers stored.

“Call <contact name> At Home,” “At Work,” “On Mobile,” or “On Other”: Initiate a call to an entered contact and location at home, at work, on mobile device, or on another phone.

“Call <phone number>”: Initiate a call to a standard phone number seven or 10 digits in length, and also 911, 411, or 611.

“Pair Phone”: Begin the Bluetooth pairing process. Follow instructions on the radio display.

“Redial”: Initiate a call to the last dialed number.

“Switch Phone”: Select a different phone for outgoing calls.

“Voice Keypad”: Begin a dialog to enter special numbers like international numbers. The numbers can be entered in groups of digits with each group of digits being repeated back by the system. If the group of digits is not correct, the command “Delete” will remove the last group of digits and allow them to be re-entered. Once the entire number has been entered, the command “Call” will start dialing the number.

“Voice mail”: Initiate a call to voice mail numbers.

Voice Recognition for OnStar (If Equipped)

“OnStar”: Begin Onstar Voice Recognition.

Voice Recognition for Weather (If Equipped)

“Weather”: Begin a dialog to enter a weather location.

Phone

Bluetooth (Overview)

For vehicles equipped with Bluetooth capability, the system can interact with many cell phones, allowing:

- Placement and receipt of calls in a hands-free mode.
- Sharing of the cell phone’s address book or contact list with the vehicle.

To minimize driver distraction, before driving, and with the vehicle parked:

- Become familiar with the features of the cell phone. Organize the phone book and contact lists clearly and delete duplicate or rarely used entries. If possible, program speed dial or other shortcuts.
- Review the controls and operation of the infotainment system.


- Pair cell phone(s) to the vehicle. The system may not work with all cell phones. See “Pairing” in this section.
- If the cell phone has voice dialing capability, learn to use that feature to access the address book or contact list. See “Voice Pass-Thru” in this section.
- See “Storing and Deleting Phone Numbers” in this section.


Vehicles with a Bluetooth system can use a Bluetooth-capable cell phone with a Hands-Free Profile to make and receive phone calls. The infotainment system and voice recognition are used to control the system. The system can be used while in ON/RUN or ACC/ACCESSORY. The range of the Bluetooth system can be up to 9.1 m (30 ft). Not all phones support all functions and not all phones work with the Bluetooth system. See www.gm.com/bluetooth for more information about compatible phones.

Bluetooth Controls

Use the buttons on the infotainment system and the steering wheel to operate the Bluetooth system.

Steering Wheel Controls

 **(Push to Talk):** Press to answer incoming calls, confirm system information, and start voice recognition.

 **(End Call):** Press to end a call, decline a call, or cancel an operation. Press to mute or unmute the infotainment system when not on a call.

Infotainment System Controls

For information about how to navigate the menu system using the infotainment controls, see *Infotainment on page 3*.

PHONE: Press this screen button to enter the phone main menu.

Voice Recognition

The voice recognition system uses commands to control the system and dial phone numbers.

Noise: The system may not recognize voice commands if there is too much background noise.

When to Speak: A tone sounds to indicate that the system is ready for a voice command. Wait for the tone and then speak.

How to Speak: Speak clearly in a calm and natural voice.

Audio System

When using the Bluetooth system, sound comes through the vehicle's front audio system speakers and overrides the audio system. Press just above the chrome volume bar during a call to change the volume level. The adjusted volume level remains in memory for later calls. The system maintains a minimum volume level.

Bluetooth (Infotainment Controls)

For information about how to navigate the menu system using the infotainment controls, see *Infotainment on page 3*.

Pairing

A Bluetooth-enabled cell phone must be paired to the Bluetooth system and then connected to the vehicle before it can be used. See the cell phone manufacturer's user guide for Bluetooth functions before pairing the cell phone. If a Bluetooth phone is not connected, calls can be made using OnStar Hands-Free Calling. See "OnStar" in the owner manual.

Pairing Information

- A Bluetooth phone with music capability can be paired to the vehicle as a phone and a music player at the same time.
- Up to 10 devices can be paired to the Bluetooth system.

- The pairing process is disabled when the vehicle is moving.
- Pairing only needs to be completed once, unless the pairing information on the cell phone changes or the cell phone is deleted from the system.
- Up to one Bluetooth device can be connected to the Bluetooth system at the same time.
- If multiple paired cell phones are within range of the system, the system connects to the first available paired cell phone in the order that they were first paired to the system. To link to a different paired phone, see “Linking to a Different Phone” later in this section.

Pairing a Phone

1. Press the PHONE screen button.
2. Select PHONES and select Pair New Device.

3. A four-digit Personal Identification Number (PIN) or a six-digit code appears on the display. The PIN is used in Step 5.
4. Start the pairing process on the cell phone to be paired to the vehicle. See the cell phone manufacturer’s user guide for information on this process.
5. Locate the vehicle name on the display. Follow the instructions on the cell phone to enter the PIN provided in Step 3 or confirm the six-digit code. After the PIN is successfully entered or the code is confirmed, the system responds with “<Device name> has been successfully paired” when the pairing process is complete.
6. Repeat Steps 1–6 to pair additional phones.

Listing All Paired and Connected Phones

1. Press the PHONE screen button.
2. Select PHONES.

Disconnecting a Connected Phone


1. Press the PHONE screen button.
2. Select PHONES.
3. Press the **X** next to the phone to disconnect and follow the on screen prompts.

If the phone is manually disconnected, it will have to be manually reconnected. Only the connected phone at the time of shutdown will be reconnected automatically.

Deleting a Paired Phone

Only disconnected phones can be deleted.

1. Press the PHONE screen button.

2. Select PHONES.
3. Press the  next to the phone to delete and follow the on screen prompts.

Linking to a Different Phone

To link to a different phone, the new phone must be in the vehicle and paired to the Bluetooth system.

1. Press the PHONE screen button.
2. Select PHONES.
3. Select the new phone to link to from the not connected device list.

Making a Call Using Phone Book

Calls can be made through the Bluetooth system using personal cell phone contact information for all phones that support the Phone Book feature. Become familiar with the phone settings and operation. Verify the cell phone supports this feature.

When supported, the Phone Book and Call Lists menus are automatically available.

The Phone Book menu accesses the phone book stored in the cell phone.

The Call Lists menu accesses the recent call list(s) from your cell phone.

To make a call using the Phone Book menu:

1. Press the PHONE screen button.
2. Select CONTACTS.
3. Search through the list by selecting the letter group the phone book entry begins with.
4. Select the name or number to call.

To make a call using the Call Lists menu:

1. Press the PHONE screen button.
2. Select RECENT.

3. Select the name or number to call.

Making a Call

To make a call:


1. Press the PHONE screen button.
2. Select KEYPAD and enter a phone number.
3. Select Call to start dialing the number.

Accepting or Declining a Call

When an incoming call is received, the infotainment system mutes and a ring tone is heard in the vehicle.


Accepting a Call

There are three ways to accept a call:

- Press  on the steering wheel controls.
- Press Answer on the center stack display.
- Press Answer on the instrument cluster.

Declining a Call

There are three ways to decline a call:


- Press  on the steering wheel controls.
- Press Ignore on the center stack display.
- Press Ignore on the instrument cluster.

Call Waiting

Call waiting must be supported on the Bluetooth phone and enabled by the wireless service carrier to work.


Accepting a Call

There are three ways to accept a call-waiting call:

- Press  on the steering wheel controls.
- Press Switch on the center stack display.
- Press Switch on the instrument cluster.

Declining a Call

There are three ways to decline a call-waiting call:

- Press  on the steering wheel controls.
- Press Ignore on the center stack display.
- Press Ignore on the instrument cluster.

Switching Between Calls (Call Waiting Calls Only)

To switch between calls, press the phone icon on the Home Page to display “Call View.” While in Call View, press the call information of the call on hold to change calls.


Three-Way Calling

Three-way calling must be supported on the Bluetooth phone and enabled by the wireless service carrier to work.

To start a three-way call while in a current call:

1. In the Call View, select Add to add another call.
2. When the second call is active, press Merge to conference the three-way call together.
3. Once all calls are merged, the Merge button becomes an Unmerge button. Press to unmerge the calls.

Ending a Call

- Press  on the steering wheel controls.
- Press End on the center stack display to end all existing calls, or press End next to a call to end only that call.
- Press End on the instrument cluster.

Dual Tone Multi-Frequency (DTMF) Tones

The in-vehicle Bluetooth system can send numbers during a call. This is used when calling a menu-driven phone system.

1. Press the PHONE screen button.
2. Select KEYPAD and enter the number.

Voice Mail


The default voice mail number is the phone number of the outgoing phone source. The voice mail number can be changed in Bluetooth settings.

To dial a voice mail number:

1. Press the PHONE screen button.
2. Select VOICE MAIL.
3. Select Call.
4. Enter the DTMF tones using the keypad if needed.

Bluetooth (Voice Recognition)

Using Bluetooth Voice Recognition


To use voice recognition, press the  button on the steering wheel. Use the commands below for the various voice features. For additional information, say “Help” while in a voice recognition menu. See *Voice Recognition on page 70* for help using voice recognition commands.

Making a Call

Calls can be made using the following commands.

Using the “Dial” or “Call” Command


To call a number:

1. Press . The system responds “Command Please,” followed by a tone.
2. Say “Dial” or “Call” followed by the complete phone number.

Use the Voice Keypad command for international numbers or special numbers which include * or #.



Once connected, the person called will be heard through the audio speakers.

To call using a contact from your phone book:

1. Press . The system responds “Command Please,” followed by a tone.
2. Say “Dial” or “Call” and then say the contact name. For example “Call John at Work.”

Once connected, the person called will be heard through the audio speakers.

Calling 911 Emergency

1. Press  / . The system responds “Command Place,” followed by a tone.
2. Say “Call 911.”

Once connected, the person called will be heard through the audio speakers.

Using the “Re-dial” Command

1. Press . The system responds “Command Please,” followed by a tone.
2. After the tone, say “Re-dial.” The system dials the last number called from the connected cell phone.

Once connected, the person called will be heard through the audio speakers.

Using the “Switch Phone” Command

1. Press . The system responds “Command Please,” followed by a tone.
2. After the tone, say “Switch Phone.” The system displays a list of phones to select.

Using the “Voice Keypad” Command

1. Press . The system responds “Command Please,” followed by a tone.
2. After the tone, say “Voice Keypad.” The system allows entry of special numbers and characters.

Using the “Voice mail” Command

1. Press . The system responds “Command Please,” followed by a tone.
2. After the tone, say “Voice mail.” The system dials the voice mail number of the connected phone.

Clearing the System

Unless information is deleted out of the vehicle Bluetooth system, it will be retained. This includes phone pairing information. For directions on how to delete this information, see “Deleting a Paired Phone.”


Text Messaging


If the vehicle is equipped, the infotainment system allows text messages to be sent and received. Received messages can also be read aloud.


Text Menu

Inbox: Press to display incoming messages. To view a message, press on the name of the sender. Press to listen to the text message. Press to delete the message. Press Back to go back to the previous menu.

Sent: Press to display outgoing messages. To view a message, press on the name of the receiver. Press to listen to the text message. Press to delete the message. means the message was not delivered. Press Back to go back to the previous menu.

New: Press to create a new text message. Press  Back to go back to the previous menu.

Reply: Press to reply to a message. Press  Back to go back to the previous menu.

Forward: Press to forward a message. Press  Back to go back to the previous menu.

Settings: See “Text Settings” later in this section.

Viewing Sender Information

Press the name of the sender to view sender information if this information matches contact information already stored.

Sending a Text Message

Some items may be unavailable when the vehicle is moving.

There are three ways to enter receiver information:

Phone Number: Press KEYPAD to display the keypad and enter the phone number. Press ENTER to enter another. Press DONE when finished.

Contacts: Press CONTACTS to select a contact. Press TXT next to a contact to send a quick text. Contacts with only one number assigned will have this option. Select a contact to view contact details and select a number to send a text message. Press DONE when finished.

Recent Calls: Press RECENT CALLS to view the recent calls list. Select a contact or a number to send a text message. Press DONE when finished.

There are three ways to compose a text message:

Record an Audio Message: Press to record an audio message to send. Press Start to begin. Press

Stop to end. Press Listen to listen to the message, Re-record to record again, Cancel to abort, and Send to send the message.

Select a Predefined Message: Press to select from a set of quick messages. Press the message to send.

Type a Message: Press to type a message. The keyboard cannot be changed to upper case when texting.



Predefined Messages

These are short text messages that can be used to send so new messages will not have to be typed.

The messages can be deleted or a new message can be added.

To add a new message:

1. In the predefined messages list view, select Add New Predefined Message and a keyboard displays.

2. Type a new message and press NEW MSG when done to add the message. Press  Back to go back to the predefined messages list. Press  to delete one character at a time.

Memory Full

This message may display if there is no more room on the phone to store messages.

Text Settings

Text Alerts: When on, this feature will display an alert when a new text message has been received. Press to turn on or off.

Signature Settings: This feature will set the signature that is added at the end of texts or e-mails. The default is "Sent from my <vehicle name>." To change, press Signature Settings and then type in the new signature. Press Signature when done.

Manage Predefined Messages:

Press to add, change, or delete predefined messages.

Save Copy of Sent Texts: When on, this feature will save a copy of sent texts. Press to turn on or off.

Settings

The Settings Menu allows adjustment of different vehicle and radio features. The menu may contain the following:

Time and Date


Press + or - to increase or decrease hours, minutes, and AM or PM. Press 12Hr or 24Hr for 12 or 24 hour clock. Press + or - to increase or decrease month, day, or year. See "Clock" in the owner manual.

Auto Set


The clock synchronizes with an available RDS or CDMA source when enabled. Press the "Auto Set" button on the Set Time screen, then press On or Off.

Language

This will set the display language in the radio, instrument panel, and voice recognition. Press Language

and select the appropriate language. Press  Back to go back to the previous menu.



Valet Mode (If Equipped)


This will lock the infotainment system, steering wheel controls, steering column, and vehicle storage locations, if equipped. Enter a four-digit code on the keypad. Press Enter to go to the confirmation screen. Re-enter the four-digit code. Press LOCK to lock the system. Enter the four-digit code to unlock the system. Press  Back to go back to the previous menu.

Radio



Press to display the Radio Menu and the following may display:

- **Manage Favorites:** Press to highlight a favorite to edit. Press Rename to rename the favorite or Delete to delete it. Press and hold the station to drag it to a new location. Press Done to go back to the previous menu.

- **Number of Favorites Shown:** Press to set the number of favorites to display. Select Auto, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, or 60. Auto will adjust the number of favorite locations that can be seen. Press  Back to go back to the previous menu.
- **Auto Volume:** If equipped, this feature adjusts the volume based on vehicle speed. The options are OFF, Low, Medium - Low, Medium, Medium - High, or High. Press  Back to go back to the previous menu.
- **Bose AudioPilot Noise Compensation Technology:** If equipped, this feature adjusts the volume based on the noise in the vehicle. When turned on, AudioPilot detects noise and vehicle speed to continuously adjust the audio signal so that music will sound the same at a set volume level. This feature is most effective at lower radio volume settings where

background noise can affect how well the music is being played. See www.bose.com/audiopilot. This feature can be turned on or off. Press  Back to go back to the previous menu.

- **DSP Mode:** If equipped with the Bose Studio Surround sound system, it will have four DSP modes including:
 - **Normal:** Adjusts the audio to normal mode. This provides the best sound quality for all seating positions.
 - **Driver:** Adjusts the audio to give the driver the best possible sound quality.
 - **Rear:** Adjusts the audio to give the rear seat occupants the best possible sound quality.
 - **Centerpoint:** Turns on Bose Centerpoint surround technology to create a surround sound.

- **Maximum Startup Volume:** This feature sets the maximum startup volume. If the vehicle is started and the volume is greater than this level, the volume is adjusted to this level. To set the maximum startup volume, press + or – to increase or decrease. Press  Back to go back to the previous menu.
- **Audio CUE Volume:** This feature adjusts the startup and shutdown sounds. To adjust the volume, press + or – to increase or decrease. This feature can be turned on or off. Press  Back to go back to the previous menu.



Vehicle Settings

See “Vehicle Personalization” in the owner manual.

Bluetooth



From the Bluetooth screen button, the following may be displayed:

- **Add New Device:** Press to add a new device.

- **Device Management:** Press to connect to a different phone source, disconnect a phone, or delete a phone.
- **Ringtones:** Press to change the ring tone for the specific phone. The phone does not need to be connected to change the ring tone.
- **Voice Mail Numbers:** This feature displays the voice mail number for all connected phones. The voice mail number may be changed by pressing the EDIT button, typing in the new number, and pressing SAVE. Press  Back to go back to the previous menu.
- **Text Message Alerts:** This feature will turn text message alerts on or off. Press Text Message Alerts and then select OFF or ON. Press  Back to go back to the previous menu. See *Text Messaging on page 83*.



Voice

From the Voice screen button, the following may be displayed:

- **Prompt Length:** Select Short or Long for shorter or longer voice prompts. Press  Back to go to the previous menu.
- **Audio Feedback Speed:** Press Slow, Medium, or Fast for feedback speed. Press  Back to go back to the previous menu.

Display

From the Display screen button, the following may be displayed:

- **Mode:** Press Auto, Day, or Night to adjust the display. Press  Back to go to the previous menu.
- **Calibrate Touchscreen:** Press to calibrate the touchscreen and follow the prompts. Press  Back to go back to the previous menu.

- **Turn Off Display:** Press to turn the display off. Press anywhere on the display area or any faceplate button again to turn the display on.


Rear Camera



Press to display the Rear Camera menu. See “Driver Assistance Systems” in the owner manual.

Return to Factory Settings

Pressing Continue restores all factory settings.

Select Return to Factory Settings and the following list may display:

- **Restore Vehicle Settings:** Restores factory vehicle personalization settings. Press Restore Vehicle Settings. Press Cancel or Continue. Press  Back to go back to the last menu.

- **Clear All Private Data:** Clears all private information. Press Clear All Private Data. Press Cancel or Continue. Press  Back to go back to the last menu.
- **Restore Radio Settings:** Restores factory radio settings. Press Restore Radio Settings. Press Cancel or Continue. Press  Back to go back to the last menu.

Cluster Settings Menu

To enter the cluster settings menu:

1. Use the five-way control on the right side of the steering wheel to find the Settings page in one of the interactive display zones on the cluster.
 2. Press SEL on the center of the five-way control to enter the Settings menu.
- **Units:** Press SEL while Units is highlighted to enter the Unit menu. Press SEL to choose English or metric units when

highlighted. A checkmark will be displayed next to the selected item.

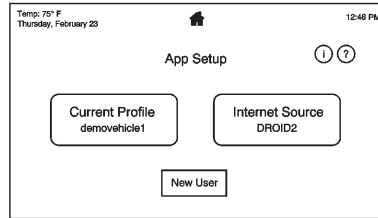
- **Info Pages:** Press SEL while Info Pages is highlighted to select the items to be displayed in the DIC info displays. See “Driver Information Center (DIC)” in the owner manual.
- **Display Layout:** Press SEL while Display Layout is highlighted to change the configuration of the uplevel cluster. See “Instrument Cluster” in the owner manual.
- **Sounds:** Press SEL while Sounds is highlighted to turn sounds on or off.
- **Open Source Software Information:** Press SEL while Open Source Software is highlighted to display open source software information.

English and Metric Unit Conversion

To change the display units between English and metric units, see “Instrument Cluster” in the owner manual.

Downloadable Applications

Apps Config



If the vehicle is equipped, Apps Config is used to set an active profile and set up an Internet connection to use with downloadable applications. A phone, tablet, or device with a data plan can provide the Internet connection. Please see CUE owners website for more details.

To launch press the Apps Config Home Page icon on the radio.

Profiles

Profiles must be set up on the owners website prior to using downloadable apps on the vehicle. Logging in with a profile allows a user's apps to be displayed on the Home Page.

Adding a Profile to the Vehicle

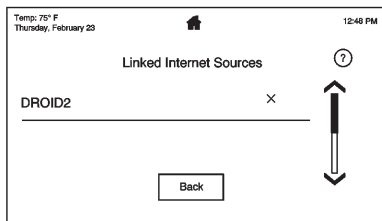
Setting up a profile on the owner website allows apps to be downloaded and used. A profile can be added to the vehicle without an Internet connection, but it will be created in “offline mode” and apps requiring an Internet connection will not function. To use an Internet connection with this profile and access these apps, the profile will need to have “Enable Online Access” enabled in the Profile Options menu, available by clicking on Current Profile.

Internet Sources

Personal cell phone data plans are used for apps using an Internet connection. Personal cell phones

are connected to the radio via Bluetooth. This connection uses a paired and connected phone or device. Press the Bluetooth Settings button to access the Bluetooth Settings menu. See “Overview,” “Infotainment Controls,” or “Voice Recognition” under *Bluetooth (Overview)* on page 77 or *Bluetooth (Infotainment Controls)* on page 78 or *Bluetooth (Voice Recognition)* on page 82.

Apps Config Buttons and Features



Current Profile:

Displays the profile currently used. Press to display a list of profile options for the current profile. These options may include:

- **Select/Add Profile:** Press to display a list of profiles to choose from or add a new profile.
- **Linked Internet Sources:**
This feature will make logging in easier once a source is linked to the profile. The profile will be automatically logged in when the source is present.
- **Change PIN:** This feature will change the Personal Identification Number (PIN) used to log into the profile.
- **Auto-Logout Setting:** When enabled, this will automatically log out the active profile when the infotainment system or vehicle is shut down.

- **Enable Online Access:** If the profile was set up without an Internet connection or in “offline mode,” then press to enable access and enter the online password. The profile needs to be set up on the owner website first to be enabled.
- **Remove Profile:** Press ⊖ to remove the current profile from the vehicle. The account will still be active on the owner website.

Internet Source:

Displays the Internet connection currently used. An Internet connection is a personal cell phone connected to the radio via Bluetooth. Press to display a list of options for the current Internet connection. These may include:

- **Select/Add Source:** Press to select from a list of Internet sources.

Bluetooth Data Setup

Click App Config, then New User to set up an Internet connection. Some Bluetooth devices will need Dial-up Network (DUN) setup for Internet access. If DUN is required, a screen listing Cell Carriers will appear. Select the Cell Carrier from the list. If the Carrier is not listed, select Other. If Other is selected, information provided by the Carrier will need to be added manually. If there are issues setting up DUN, contact the Carrier to verify information.

Downloading Apps

If the vehicle is equipped, press the Apps icon to browse, download, and install approved apps that can be used in the infotainment system.

Buttons and Features

The following is a list of buttons available:

Browse: Press to browse through all of the available apps.

Search: Press to manually search through available apps.

My Apps: Display a list of downloaded apps for the current profile.

Help: Press to access the help menu.

The following is a list of features:

Featured Apps: The large display shows a featured app and information including rating. The smaller display shows up to five featured apps.

App Details Page

This displays information about the app including the status of the app on the vehicle, description, review information, and app images when available.

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FCC Information

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