GMC

2015

mylink

INTELLILINK

Acadia/Acadia Denali
Enclave/Traverse
InTouch Infotainment System

2015 Buick/Chevrolet/GMC Acadia/Acadia Denali/Enclave/ Traverse InTouch Infotainment System

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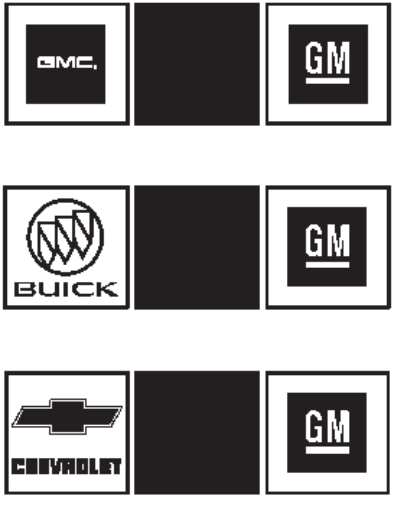
Introduction

Infotainment



The names, logos, emblems, slogans, vehicle model names, and vehicle body designs appearing in this manual including but not limited to GM, the GM logo, GMC, the GMC Truck Emblem, BUICK, the BUICK Emblem, CHEVROLET, the CHEVROLET Emblem, and the names ACADIA, ACADIA DENALI, ENCLAVE, and TRAVERSE are trademarks and/or service marks of General Motors LLC, its subsidiaries, affiliates, or licensors.

For vehicles first sold in Canada, substitute the name “General Motors of Canada Limited” for GMC, Buick, and Chevrolet Motor Divisions wherever it appears in this manual.

The information in this manual supplements the owner manual.

This manual describes features that may or may not be on the vehicle because of optional equipment that was not purchased on the vehicle, model variants, country specifications, features/applications that may not be available in your region, or changes subsequent to the printing of this manual.

Keep this manual with the owner manual in the vehicle, so it will be there if it is needed. If the vehicle is sold, leave this manual in the vehicle.

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

⚠ Warning

Taking your eyes off the road for too long or too often while using any infotainment feature can cause a crash. You or others could be injured or killed. Do not give extended attention to infotainment tasks while driving.

(Continued)

Litho in U.S.A.
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Warning (Continued)

Limit your glances at the vehicle displays and focus your attention on driving. Use voice commands whenever possible.

The infotainment system has built-in features intended to help avoid distraction by disabling some functions when driving. These functions may gray out when they are unavailable. Many infotainment features are also available through the instrument cluster and steering wheel controls.

Before driving:

- Become familiar with the operation, faceplate buttons, and 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 by using a single voice command if equipped with Bluetooth phone capability.

See “Defensive Driving” in the owner manual.

To play the infotainment system with the ignition off, see “Retained Accessory Power (RAP)” in the owner manual.

Canadian Vehicle Owners (Propriétaires des Véhicules Canadiens)

A French language copy of this manual can be obtained from your dealer or from:

On peut obtenir un exemplaire de ce guide en français auprès du concessionnaire ou à l'adresse suivante:

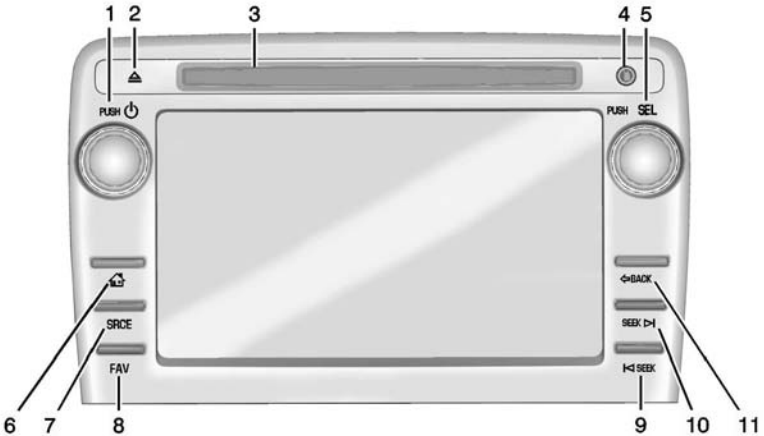
Helm, Incorporated
P.O. Box 07130
Detroit, MI 48207

1-800-551-4123
Numéro de poste 6438 de langue française
www.helminc.com

Overview

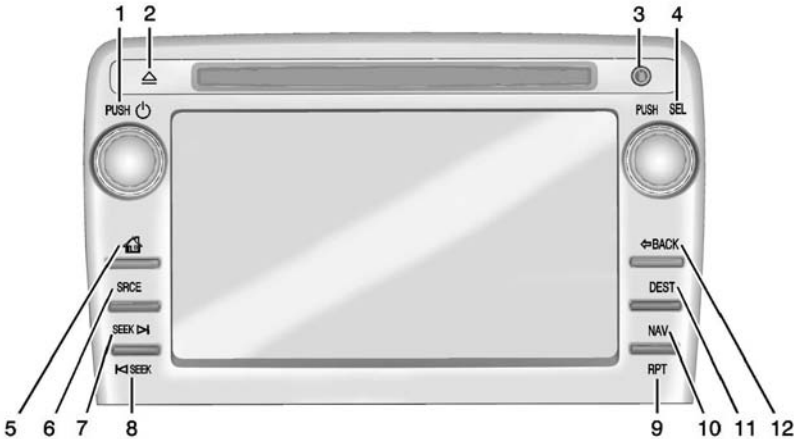
The infotainment system is controlled by using the buttons, touch screen, steering wheel controls, and voice recognition.

See *Using the System on page 9*.



CD Radio Shown, CD/DVD Radio Similar

1. PUSH/⏻ (Volume/Power)
2. ⏏ (Eject)
3. CD/DVD (if equipped) Slot
4. AUX Port
5. PUSH/SEL (Select)
6. ⌂ (Home Page)
7. SRCE (Source)
8. FAV (Favorites Menu)
9. ⏮ SEEK (Previous/Reverse)
10. SEEK ⏭ (Next/Forward)
11. ⇦ BACK



CD Radio with Navigation Shown, CD/DVD Radio with Navigation Similar

1. PUSH/⏻ (Volume/Power)
2. ⏏ (Eject)
3. AUX Port
4. PUSH/SEL (Select)
5. ⌂ (Home Page)
6. SRCE (Source)
7. SEEK ⏭ (Next/Forward)
8. ⏮ SEEK (Previous/Reverse)
9. RPT (Repeat)
10. NAV (Navigation)
11. DEST (Destination)
12. ⇦ BACK

Infotainment Controls

PUSH/⏻ (Volume/Power):

- Press to turn the system on and off.
- Turn to adjust the volume.

⏏ (Eject): Press to eject a disc from the CD or DVD player (if equipped). See *CD/DVD Player on page 28*.

AUX Port: 3.5 mm (1/8 in) connection for external audio devices.

PUSH/SEL (Select):

- Turn to manually find a station or highlight a menu selection.
- Press to select a highlighted selection.

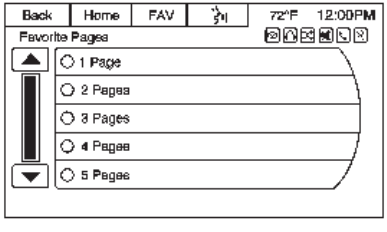
⌂ (Home Page): Press to go to the Home Page. See “Home Page” in this section.

SRCE (Source): Press to change the audio source to AM, FM, SiriusXM® (if equipped), Pandora®,

Stitcher®, CD/DVD (if equipped), USB, iPod®, AUX, or Bluetooth® Audio.

FAV (Favorites Menu) (Radios without Navigation): In AM, FM, or SiriusXM, press to scroll through the favorites banner located on the bottom of the screen. The favorites banner stores your favorite radio and SiriusXM stations. To store a favorite station, press and hold on the desired position on the banner until a beep is heard.

Favorite Pages



On the Home screen, press the Settings icon. Then press the Favorite Pages screen button to select the number of favorite pages displayed on the screen. The choice is 1–6 pages.

DEST (Destination):

- Press to enter a destination.
- If a destination has already been entered, press to access the Destination Menu. See *Destination on page 51*.

NAV (Navigation):

- Press to view the vehicle's current position on the map screen.
- Continue pressing to cycle through the full map and split screen views.

RPT (Repeat): Press to repeat the last voice guidance prompt.

⏮ SEEK (Previous/Reverse):

- AM, FM, SiriusXM (if equipped): Press to seek to the previous strong station. Press and hold to scan. Press ⏮ SEEK again to stop the scan.
- CD, USB, Pandora, Stitcher, Bluetooth Audio: Press to seek to the beginning of the current or previous track.
- CD, USB, Bluetooth Audio: Press and hold to quickly reverse through a track. Release the button to return to playing speed. See *CD/DVD Player on page 28*, *USB Port on page 32*, or *Bluetooth Audio on page 37*.

SEEK ⏭ (Next/Forward):

- AM, FM, SiriusXM (if equipped): Press to seek to the next strong station. Press and hold to scan. Press SEEK ⏭ again to stop the scan.
- CD, USB, Pandora, Stitcher, Bluetooth Audio: Press to seek or skip the next track or program.
- CD, USB, Bluetooth Audio: Press and hold to fast forward through a track. Release the button to return to playing

speed. See *CD/DVD Player on page 28*, *USB Port on page 32*, or *Bluetooth Audio on page 37*.

BACK: Press to return to the previous screen in a menu or Home screen.

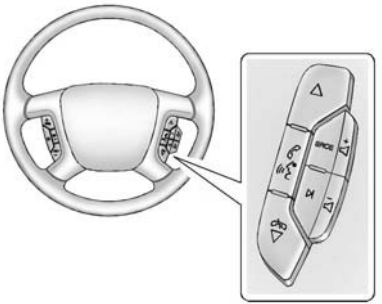
Language

To change the language of the navigation screens, see “Vehicle Personalization” in the owner manual.

English or Metric Units

To change the navigation screens from English or metric, see “Driver Information Center (DIC)” in the owner manual.

Steering Wheel Controls



Vehicles with audio steering wheel controls could differ depending on the vehicle's options. Some audio controls can be adjusted at the steering wheel.

△ or ⊘ /▽ (Next/Previous): Press to select preset radio or SiriusXM stations from the favorite banner or select tracks from a source such as CD/DVD, iPod, or USB.

To select tracks on an iPod or USB:

- Press and hold △ or ⊘ /▽ while listening to a song listed in the main audio page to quickly move forward or in reverse through the tracks. Track information is displayed on the screen.
- Release △ or ⊘ /▽ when the desired track is reached.

/ (Push to Talk):

- Press to accept a call.
- Press and hold to initiate phone’s voice control.

See *Voice Recognition on page 63*.

⊘ /▽ (End): Press to reject an incoming call or end a current call.

SRCE (Source): Press to switch between the radio, CD, and for equipped vehicles, DVD, front auxiliary, rear auxiliary, Pandora, Stitcher, and iPod/USB.

Press and hold to pause the currently playing track or mute the speakers if the source is radio or Sirius XM.

Press and hold again to resume the currently track or to unmute the speakers.

(Seek): Press to go to the next radio station while in AM or FM.

Press to go to the next track or chapter while sourced to the CD or DVD slot.

When connected, press to select a track on an iPod or USB device.

1. Press and hold until a beep is heard to place the radio into scan mode. A station will play for five seconds before moving to the next station.
2. To stop the scan function, press again.
3. For CD/DVD, iPod, or USB, press and hold to quickly move forward through the tracks. Release to stop on the desired track.

+ or − (Volume): Use to increase or to decrease the volume.

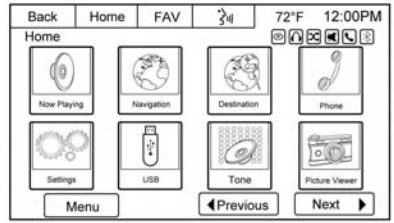
Using the System

The infotainment system is controlled by touching the screen and by using the knobs and other buttons.

Voice recognition could also be used to control certain infotainment features.

Press on the steering wheel controls to begin voice recognition. See *Voice Recognition on page 63*.

Home Page



The infotainment system displays a Home Page to access all of the applications.

Back: Press to go back to the previous page or Home screen.

Home: From any page, press to cycle through the Home Pages to start a different application. The Home Page can have up to three pages with eight icons per page. Each of these pages can be customized to contain your choice of icons. They may also be re-ordered on each screen according to preference.

Fav (Favorites): In AM, FM, or SiriusXM, press to scroll through the favorites banner on the bottom of the screen. The favorites banner stores your favorite radio and SiriusXM stations. To store a favorite station, press and hold on the desired position on the banner until a beep is heard.

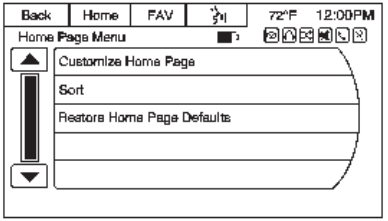
(Voice Recognition): Press to begin voice recognition. See *Voice Recognition on page 63*. Press and hold to mute the radio.

Menu: Press to enter the Home Page menu.

◀ **Previous:** Press to go to the previous Home Page.

Next ▶ : Press to go to the next Home Page.

Home Page Customization



All three Home Pages can be individually customized.

To change screen buttons on the current Home Page:

1. Press Menu.
2. Press Customize Home Page.
3. Press a screen button to add or remove it from the Home Page. A checkmark indicates it will be displayed. The maximum number of buttons on any Home Page is eight.
4. Press Done.

To re-order buttons on the current Home Page:

1. Press Menu.
2. Press Sort.
3. Press an icon to move it.
4. Press another icon to swap the position with the icon pressed in Step 2.
5. Press Done.

To restore Home Page defaults:

1. Press Menu.
2. Press Restore Home Page Defaults.

Home Page Features

Some features are disabled when the vehicle is moving and some icons may not be active.

Touch screen buttons are highlighted in color when available or grayed out when not available.

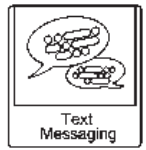
Various functions are disabled when the vehicle is moving.

Press the Now Playing screen button to display the active source page. The sources available are AM, FM, SiriusXM (if equipped), CD, DVD (if equipped), Bluetooth Audio, USB/iPod, Pandora (if equipped), Stitcher (if equipped), and AUX.

See *AM-FM Radio on page 15*, *Satellite Radio on page 18*, *CD/DVD Player on page 28*, *USB Port on page 32*, *Pandora Internet Radio on page 19*, *Stitcher Internet Radio on page 23*, and *Auxiliary Devices on page 37*.

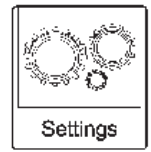
Press the Navigation screen button to display a map of your current vehicle position. See *Using the Navigation System on page 47*, *Maps on page 49*, *Navigation Symbols on page 50*, *Destination on page 51*, and *Settings on page 70*.

Press the Destination screen button to display the Destination Entry home page or the Destination Menu. The available screen buttons provide a variety of ways to enter a destination. See *Destination on page 51*.



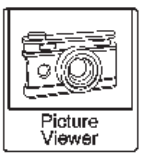
Press the Text Messaging screen button to display a pop-up message display stating, “Retrieving Messages.” Once messages are retrieved, select a message for viewing, or press the Sent screen button to view a list of sent or received messages. See *Text Messaging on page 91*.

Press the Phone screen button to display the Phone main page. See *Bluetooth on page 79*.

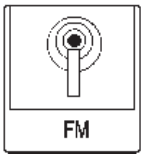


Press the Settings screen button to display the Settings main page. From this display, adjust features such as time and date, radio, phone, navigation, audio prompts, and display. See *Settings on page 70*.

Press the Tone screen button to display the Tone main page. Adjust the tone and speaker balance by pressing the screen buttons. There are options such as EQ (equalizer), Bass, Middle, Treble, and Balance. See *AM-FM Radio on page 15*.

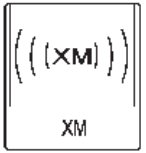


Press the Picture Viewer screen button to view pictures on your USB drive or SD card. Pictures on the SD card can only be viewed through a USB adapter. See *Pictures on page 26*.



Press the FM screen button to display the FM main page and play the current or last tuned FM station. See *AM-FM Radio on page 15*.

Press the AM screen button to display the AM main page and play the current or last tuned AM station. See *AM-FM Radio on page 15*.



Press the XM screen button (if equipped) to display the XM main page and play the current or last tuned SiriusXM channel. See *Satellite Radio on page 18*.

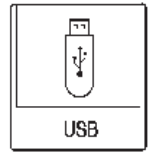
Press the Pandora screen button (if equipped) to display the Pandora home page and stream personalized radio stations based on artists, songs, genres, and comedians. See *Pandora Internet Radio on page 19*.

Press the Stitcher screen button (if equipped) to display the Stitcher home page and stream news, sports, and entertainment shows through the audio system. See *Stitcher Internet Radio on page 23*.

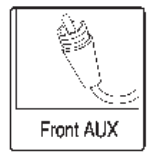
Press the CD screen button to display the CD main page and play the current or last CD track selected. See *CD/DVD Player on page 28*.

Press the ⊛ Bluetooth screen button to display the Bluetooth Audio main page and play music through a Bluetooth device. See *Bluetooth Audio on page 37*.

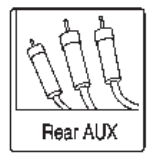
Press the iPod screen button to display the iPod main page and play the current or last track selected. See *USB Port on page 32*.



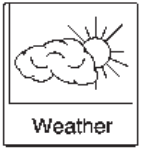
Press the USB screen button to display the USB main page and play the current or last track selected. See *USB Port on page 32*.



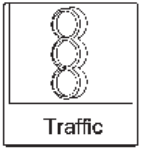
Press the Front AUX screen button to access any connected auxiliary device. See *Auxiliary Devices on page 37*.



Press the optional Rear AUX screen button to access a connected auxiliary device such as a DVD for Rear Seat Entertainment playback. See *Rear Seat Entertainment (RSE) System on page 38*.



Press the Weather screen button (if equipped) to display the Weather main page. Select other weather-related options from that list. See “Weather (If Equipped)” under *Settings on page 70*.



Press the Traffic screen button (if equipped) to display the Traffic main page. Select other traffic-related options from that list. See “SiriusXM® NavTraffic (If Equipped)” under *Settings on page 70*.

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 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.

⚠ Caution

Do not attach a device with a suction cup to the display. This may cause damage and would not be covered by the vehicle warranty.

Software Updates

Website Information

Buick

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

In Canada, see www.buick.ca.

GMC

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

In Canada, see www.gmc.gm.ca.

Chevrolet

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

In Canada, see www.chevrolet.ca.

Customer Assistance Offices

See the owner manual for Customer Assistance Office phone numbers.

Radio

AM-FM Radio

Playing the Radio

PUSH/⏻ (Power/Volume):

- Press to turn the radio on or off.
- Turn to increase or decrease the volume of the active source.

The steering wheel controls can also be used to adjust the volume. See *Steering Wheel Controls on page 8*.

Audio Source

To access AM, FM, or SiriusXM (if equipped), do one of the following:

- On one of the Home Pages, press the AM, FM, or XM (if equipped) screen button.
- Press the SRCE button on the faceplate or steering wheel or the Source screen button to scroll through the options. A source ribbon will appear at the bottom of the screen allowing you to select the one you want.
- Use voice recognition by pressing one of the voice recognition buttons. After the voice prompt and the beep, say one of the following: “Tune AM,” “Tune FM,” “Tune XM,” “AM,” “FM,” or “XM.”

Infotainment System Settings

Tone Settings

To access the tone settings, press the Tone button on the Home Page, or press the PUSH/SEL knob while in an audio source.

To adjust the settings:

- Bass: Press + or − to change the level.
- Middle: Press + or − to change the level.
- Treble: Press + or − to change the level.

- EQ (Equalizer) (If Equipped): Press ◁ or ▷ to scroll through the preset EQ options.
- Stereo/Surround/DSP Mode (If Equipped): Press ◁ or ▷ to scroll through the preset Digital Signal Processing (DSP) or to toggle between Stereo and Surround (5.1 DVD only) modes.
- Fade: Press the F button to fade the audio to the front speakers. Press the R button to fade the audio to the rear speakers. The middle position balances the sound between the front and rear speakers.
- Balance: Press the L button to balance the audio to the left speakers. Press the R button to balance the audio to the right speakers. The middle position balances the sound between the left and right speakers.

Finding a Station

Press the SRCE button to go to the currently playing source. Press it again to select a different source.

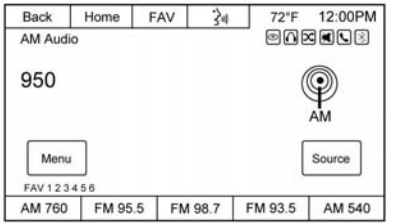
Turn the PUSH/SEL knob to find a radio station. To select a preset station, press FAV to scroll through the favorite banner. Press the desired station on the banner.

Seeking a Station

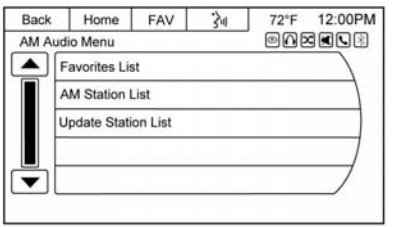
Press ⏮ SEEK or SEEK ⏭ to search for a station, or use ⏭ on the steering wheel controls.

Press and hold the ⏮ SEEK or SEEK ⏭ button to scan up or down the band, pausing on each station for five seconds. Touch ⏮ SEEK or SEEK ⏭ again to cancel the scan.

AM



To access the AM menu, press the Menu screen button from the AM source screen:

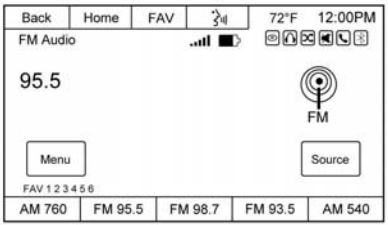


Favorites List: Press to display the favorites list.

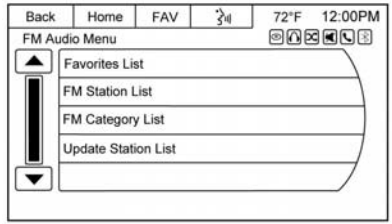
AM Station List: The station list may need to be updated before pressing to display a list of AM stations.

Update Station List: Press to update and then display the list of AM stations.

FM



To access the FM menu, press the Menu screen button from the FM source screen.



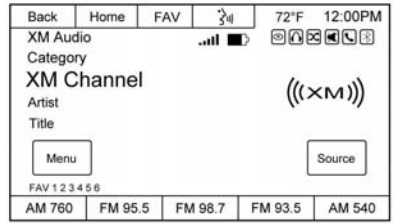
Favorites List: Press to display the favorites list.

FM Station List: The station list may need to be updated before pressing to display a list of FM stations.

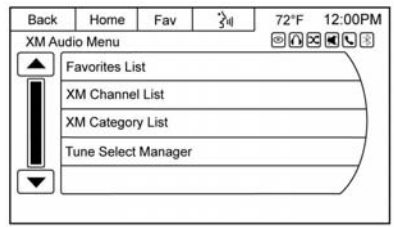
FM Catagory List: Press to select the desired genre.

Update Station List: Press to update and then display the list of FM stations. An FM station list update may take several minutes.

SiriusXM (If Equipped)



To access the XM Menu, press the Menu screen button from the XM source screen and the following may display:



Favorites List: Press to display the favorites list.

XM Channel List: Press to display a list of SiriusXM channels.

XM Category List: Press to display a list of SiriusXM categories.

Tune Select (Navigation Only): If equipped with SiriusXM, press and the following may display:

- Artist: Press to set an audio alert when the current artist is playing on a SiriusXM channel.
- Song: Press to set an audio alert when the current song is playing on a SiriusXM channel.
- Tune Select Manager: Press Disable/Enable All Alerts to enable or disable all alerts. A checkmark next to the alert means it is turned on. Press an alert to turn it off. Press Delete to delete an alert.
- Audible Alert: This feature will give an audio alert when certain artists or songs are available on a specific station. Press to turn on or off.

Storing Radio Station Presets

Up to 30 preset stations can be stored into the favorites banner. AM, FM, and SiriusXM (if equipped) can be mixed. To store:

1. From the AM, FM, or XM main page, press and hold one of the preset screen buttons at the bottom of the screen. After a few seconds, a beep is heard and the new preset information displays on that screen button.
2. Repeat for each preset.

Mixed-Band Presets

Each favorite page can store five preset stations. The presets within a page can be from different radio bands.

To scroll through the pages, press FAV or the FAV screen button on the top bar. The current page number displays above the preset buttons.

To change the number of favorite pages displayed:

1. Press Settings on the Home Page.
2. Press Favorite Pages.
3. Select the number of pages to display.

Recalling a Preset Station

To recall a preset station from a favorites page, do one the following:

- Press the FAV screen button on the top bar to display the preset pop-up. Press one of the preset screen buttons to go to the selected preset station.
- In the AM, FM, or XM (if equipped) main page, press one of the preset screen buttons to go to the selected preset station.

Satellite Radio

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. For more information, 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 may update the background picture at any time.

SiriusXM Categories

SiriusXM stations are organized in categories.

Adding or Removing SiriusXM Categories

Using the Home Page:

1. Press the Settings screen button on the Home Page.
2. Select XM Categories.
3. Select or deselect a category. A checkmark will indicate that the category is selected.

Press Restore All to restore all SiriusXM categories.

Pandora Internet Radio

Pandora®

Pandora is a free Internet radio service that streams personalized radio stations based on artists, songs, genres, and comedians. Create stations with the Pandora application downloaded on a phone or device, 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 is required for this application. Personal cell phone data plans are used. Make sure the latest version is installed on the device and the volume is turned up.

To install Pandora:

- On an Android™ phone or Android Tablet, go to the Google Play Store and search for Pandora. Install to the phone, not to the SD card.
- On a BlackBerry® phone, go to the BlackBerry World™ and search for Pandora.
- On an iPhone®, iPad®, or iPod touch®, go to the iTunes® Store and search for Pandora.

Launching Pandora

Connect the iPhone, iPad, or iPod touch to the USB port, or connect an Android or BlackBerry through Bluetooth. For first-time use, set up the stations before connecting to the vehicle. The Pandora icon will be available on the Home Page.

The USB jack will charge Apple® devices drawing up to 1 amp of current. The two charging only, 2.1 amp USB ports at the rear of the center console can charge the iPad.

The signal strength and battery level meters indicate the conditions of the paired phone. There may be performance issues with this feature when signal or battery levels are low.

Launch Using an iPhone, iPod touch, or iPad

1. Plug the device into the USB port. The phone screen must be unlocked.
2. To launch, do one of the following:
   - Make sure the device is unlocked so the Allow button can be pressed on the device.
   - Press Pandora on the Home Page.
   - Press ✆ /🎤 and say “Pandora” or “Play Pandora.”
   - Press the SRCE button on the radio faceplate or steering wheel or the Source screen button and select Pandora from the Source banner.

If nothing happens when the available Pandora screen button is pressed, download the latest Pandora application to the device and retry. Also, verify you are in a good signal area.

Pandora will always be highlighted on the Home Page when an iPhone, iPad, or iPod touch having the application capability is connected using the USB port. To use, log in to your account.

Launch Using an Android Phone

1. Pair the Android phone using Bluetooth.
2. Use one of the following to launch:
   - Press Pandora on the Home Page.
   - Press ✆ /🎤 and say “Pandora” or “Play Pandora.”
   - Press the SRCE button on the radio faceplate or steering wheel or the Source screen button and select Pandora from the Source banner.

If nothing happens when the available Pandora screen button is pressed, download the latest Pandora application to the device and retry. Also, verify you are in a good signal area.

Launch Using a BlackBerry Phone

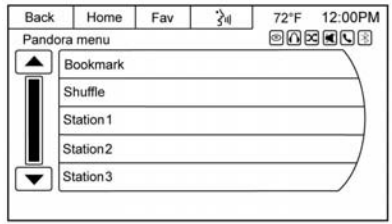
The phone must be unlocked. To launch Pandora service:

1. Pair the BlackBerry phone using Bluetooth.
2. Use one of the following to launch:
   - Press Pandora on the Home Page.
   - Press and say “Pandora” or “Tune Pandora.”
   - Press the SRCE button on the radio faceplate or steering wheel or the Source screen button and select Pandora from the Source banner.

If nothing happens when the available Pandora screen button is pressed, download the latest Pandora application to the device and retry. Also, verify you are in a good signal area.

If the “Please See Device” message is shown, the login screen may display on the device.

Pandora Menus



Press Menu on the Pandora main page.

Bookmark: When pressed during a song, a choice displays to bookmark the artist or song. This sends the bookmark to the Pandora account.

Shuffle: Press to play the stations in random order.

User-Created Stations: Press to play a user-created station.

Pandora Features

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

(Thumbs Down): When pressed, Pandora stores this information, changes to the next song, and does not play this song on this station again. This helps Pandora choose which songs 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 checkmarked for the

remainder of the song. This helps Pandora choose which songs should play on this station.

⏭ (Next Song): When pressed, Pandora changes to the next song.

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

Free Pandora App Limit on How Many Songs Can be Skipped

Pandora limits the total number of skips allowed. If the skip limit has been reached, thumbs down feedback is recorded but the current song will continue to play.

Pandora Advertisements While Using the Free Version

Pandora may play advertisements. Ads normally displayed on the phones will not be seen while connected to the vehicle. Artist name and song title will not be displayed, and the skip track button is not 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. Remove the key from the ignition.
3. Open and close the driver door, wait about one minute, and try to connect the device again.

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.
- Check that there is good signal strength. The signal strength and phone battery level can be checked on the radio screen.
- Have at least one station created.
- For Android and BlackBerry devices, check that the device is paired with the vehicle, and the Bluetooth icon on the display is highlighted.
- For iPhone, iPod touch, 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 song with the 👎 or 👍 buttons, the message “Thumbs Down Error” or “Thumbs Up Error” may display. Press OK to retry.

Loss of Audio

Loss of Pandora audio can happen in different ways:

- Weak or lost data connection. The signal strength and phone battery level can be checked on the radio screen.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio lost.
- If any iPhone, iPod touch, or iPad is connected to Bluetooth and the dock connector, unplug the dock connector and plug it in again.
- Volume is too low. Turn up the volume on the device.

If the connection is lost between the application and device, a message “Please unlock your phone or restart the phone app and try again” may display. Press OK to retry.

Common Pandora Messages

Paused or Audio Paused: Playback is paused on the radio or device. Press the ▶ button in the middle of the time bar on the bottom of the screen to play or press the ❚❚ button to pause.

No Stations Found: Logged in but no stations have been created.

Communication Failure or Application Unexpectedly Quit or Network Connection Could Not Be Established: Communication failure between the radio and the phone application, or between the phone and data connection, or the device is locked.

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

Stitcher Internet Radio

Stitcher

Stitcher SmartRadio is an Internet radio service that streams news, sports, and entertainment shows through the audio system. Create personalized, on-demand stations or discover new shows through Stitcher’s preset stations. To set up an account, or for more information, go to www.stitcher.com. Stitcher may be available as a worldwide Internet service.

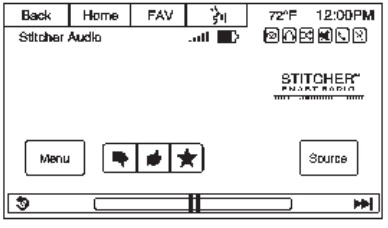
A phone or tablet with Internet connection is required for this application. Personal cell phone data plans are used. Make sure the latest version is installed on the device and the volume is turned up.

To install Stitcher:

- On an Android phone or Android Tablet, go to the Google Play Store and search for Stitcher. Install to the phone, not to the SD card.

- On an iPhone, iPad, or iPod touch, go to the iTunes Store and search for Stitcher.

Launching Stitcher



Connect the iPhone, iPad, or iPod touch to the USB port, or connect an Android through Bluetooth. For first time use, set up the stations before connecting to the vehicle. The Stitcher icon will be available on the Home Page.

The signal strength and battery level meters indicate the conditions of the paired phone. There may be performance issues with this feature when signal or battery levels are low.

Launch Using an iPhone, iPod touch, or iPad

1. Plug the device into the USB port. The phone screen must be unlocked.
2. To launch, do one of the following:
   - Make sure the device is unlocked so the Allow button can be pressed on the device.
   - Press Stitcher on the Home Page.
   - Press the SRCE button on the radio faceplate or the Source screen button and select Stitcher from the Source banner.
   - Press ✆ /🎤 and say “Stitcher” or “Play Stitcher.”

If nothing happens when the available Stitcher screen button is pressed, download the latest Stitcher application to the device and retry. Also, verify you are in a good signal area.

Stitcher will always be highlighted on the Home Page when an iPhone, iPad, or iPod touch is connected using the USB port. To use, log in to your account.

If the “Please See Device” message is shown, the login screen may display on the device.

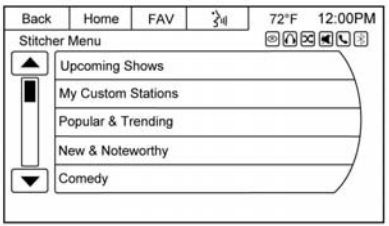
Launch Using an Android Phone

1. Pair the Android phone using Bluetooth.
2. Use one of the following to launch:
   - Press Stitcher on the Home Page.
   - Press the SRCE button on the radio faceplate or the Source screen button and select Stitcher from the Source banner.
   - Press ✆ /🎤 and say “Stitcher” or “Play Stitcher.”

If nothing happens when the available Stitcher screen button is pressed, download the latest Stitcher application to the device and retry. Also, verify you are in a good signal area.

If the “Please See Device” message is shown, the login screen may display on the device.

Stitcher Menu



To access the Stitcher Menu, press the Menu icon on the main Stitcher screen.

Favorites Playlist: If favorite stations are stored on your device, they can be accessed through “My On Demand Stations/My Custom Stations” in the Menu list.

Stitcher Station Categories: This displays categories by topic. When a category then subcategory is selected, the radio will start playing the first program in that subcategory.

Turn the PUSH/SEL knob to bring up the first 24 stations of that subcategory.

Current Station Playlist: While listening to a show, turn the PUSH/SEL knob to display the menu list of shows available for the current station.

Stitcher Features

If available, Stitcher has a thumbs up or down method of rating programs.

★ **(Favorites):** Press to mark the program as a favorite.

Stitcher 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. Remove the key from the ignition.
3. Open and close the driver door, wait about one minute, and try to connect the device again.

Unable to Start Stitcher

If the device is unable to launch Stitcher:

- Check that the latest version of Stitcher is installed.
- Check that there is an active account logged into Stitcher.
- Check that you have good signal strength.
- Have at least one station created.

- For Android devices, check that the device is paired with the vehicle and the Bluetooth icon on the display is highlighted.
- For iPhone, iPod touch, or iPad devices, check that the USB cable is connected to the USB port and the screen is unlocked.
- Close Stitcher on the device and launch again. Devices that allow multitasking may require an extra step to quit the Stitcher application. See the cell phone manufacturer's user guide.

Thumbs Up or Thumbs Down Error

If there is an error trying to rate a song with the 👎 or 👍 buttons, the message “Thumbs Down Error” or “Thumbs Up Error” may display. Press OK to retry.

Loss of Audio

Loss of Stitcher 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.
- If any iPhone, iPod touch, or iPad is connected to Bluetooth and the dock connector, unplug the dock connector and plug it in again.
- Volume is too low. Turn up the volume on the device.

If the connection is lost between the application and device, a message “Please unlock your phone or restart the phone app and try again” may display. Press OK to retry.

Common Stitcher Messages

Paused or Audio Paused: Playback is paused on the radio or device. Press the ▶ button in the middle of the time bar on the bottom of the screen to play or press the ❚❚ button to pause.

No Stations Found: Logged in but no stations have been created. Press OK to continue.

Communication Failure or Application Unexpectedly Quit or Network Connection Could Not Be Established: Communication failure between the radio and the phone application, or between the phone and data connection, or the device is locked.

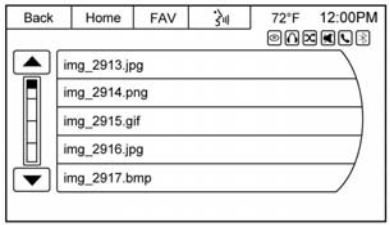
See www.stitcher.com/help for more information. If the service will not work, see your dealer for assistance.

Pictures

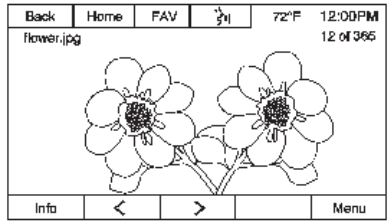
Pictures can only be viewed using USB devices. If pictures are on an SD card, transfer to a USB device or use a USB-SD adapter.
A maximum 5Mb uncompressed photo size is supported, however to achieve this, use a 4 Megapixel or lower resolution camera setting.

Only jpeg, bmp, gif, and png files are supported.

1. Press the Picture Viewer screen icon on the Home Page.
2. The system does a search to find the picture folders.
   A “Please wait” message may display until the search is finished.



3. A list displays. Select a picture to view.



4. Once a picture displays, the following options are available:

Info: Press to turn file name information on or off.

<: Press to display the previous picture.

>: Press to display the next picture.

Menu: Press to open the Picture Viewer Settings screen.

Select Picture Viewer Main to display a list of all the pictures. Select a picture to view.

If the displayed picture screen is not used within six seconds, the upper and lower bar options will disappear. Touch-tap the screen to re-display the upper and lower bar.

Audio Players

CD/DVD Player

The player can be used to play both CDs and DVDs containing audio and video content. Different file types such as MP3 are supported.

With the radio on, insert a disc into the slot, label side up. The player pulls it in and begins playing.

The system is capable of playing:

- Most audio CDs
- CD-R
- CD-RW
- MP3 or unprotected WMA formats
- DVD-Video
- DVD-R/RW
- DVD+R/RW

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/DVD 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.

DVD-A is not a supported media. Although sound may be heard, full function is not available.

Loading and Ejecting Discs

To load a disc:

1. Turn the radio 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, a “Disc error” message displays. The disc ejects.

The disc automatically plays once loaded.

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

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 disc is very hot. Try the disc again when the temperature returns to normal.
- 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 DVD player.

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

If any error continues, contact your dealer.

Playing an Audio CD

Make sure the disc is inserted in the player.

1. Press the Disc screen icon from the Home Page or from the SRCE/Source banner.
2. From the CD Audio screen, press the Menu screen button to display the list of Tracks/Songs.
3. Press on the desired track to play.

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

Use the following controls to select or manipulate the desired track:

⏮ SEEK (Previous):

- Press to seek to the beginning of the current or previous track. If the track has been playing for less than eight seconds, it seeks to the previous track. If longer than eight seconds, the current track starts from the beginning.

SEEK ⏭ (Next):

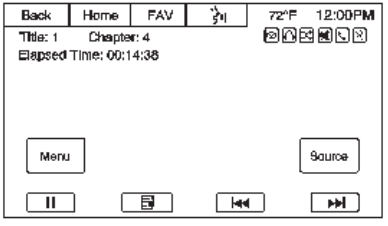
- Press to seek to the next track.

To fast forward or reverse through a track, press the ⏩ or ⏪ buttons at the bottom of the screen. Press the ▶ button in the middle of the time bar on the bottom of the screen to play or press the ❚❚ button to pause the displayed track.

PUSH/SEL (Select): Turn to the right or left to select the next or previous track. When turning to the left by one click, if the track has been playing for more than eight seconds, it will go to the beginning of the current song.

Shuffle: Press to play tracks in random order.

Playing a DVD Video



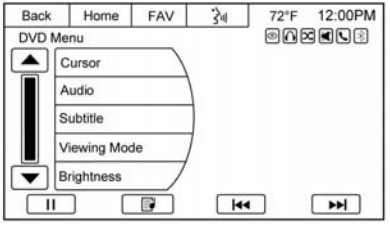
Make sure the disc is inserted in the player.

Press the Disc screen button from the Home Page or from the SRCE/ Source banner to display the DVD main page.

Play/Pause: Press the ▶ button on the bottom of the screen to play or press the ❚❚ button to pause.

Fast Forward: Press the ▶▶| screen button on the bottom of the screen to quickly move forward through the video. Continuing to press the ▶▶| button will increase the fast forward speed up to 32x. Press Play to resume play mode.

Fast Reverse: Press the |◀◀ screen button on the bottom of the screen to quickly move in reverse through the video. Keep pressing the |◀◀ button to continue to increase the fast reverse speed up to 32x. Press Play to resume play mode.



From the DVD main page, press the Menu screen button to display the DVD Menu options.

Cursor: Press to access the Cursor menu. The arrows and other cursor options allow navigation of the DVD menu options. The Cursor menu options are only available if a DVD has a menu and the vehicle is in P (Park).

Audio: Keep pressing to cycle through the audio options if available on disc.

Subtitle: Keep pressing to cycle through the available subtitle options if available on disc.

Viewing Mode: Press to change the viewing mode of the video screen. The options are Wide Screen, Full Screen, and Zoom.

Brightness: Press − or + to adjust the brightness of a video, if it is active.

Search: Press to perform a numbered title or chapter search.

Angle: Keep pressing to cycle through the different viewing angles while the DVD is playing. This option is disc specific and is not available on all disks.

MP3

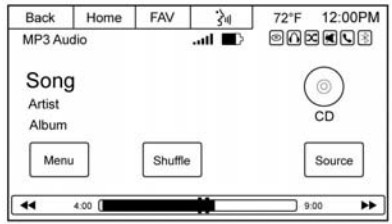
Playing an MP3 CD

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

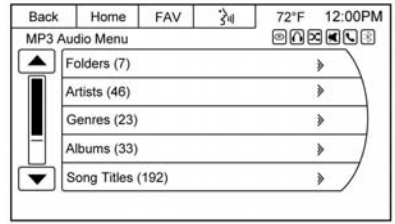
The following guidelines must be met when creating an MP3 disc, otherwise the CD might not play:

- 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.
- Maximum number of folders: eight folders with 255 files per folder.
- Maximum of 1,000 files on a disc.
- Recorded on a CD-R or CD-RW with a maximum capacity of 700 MB.
- The Artist/Album/Song Titles/ Genre information requires a CD to be fully scanned before the music navigator works with these menus.

MP3 Audio



Press the Menu screen button while that source is active to access the MP3 Audio Menu. There may be a delay before all the information is available.



Press any of the following buttons on the MP3 Audio Menu screen:

Folders: Press to view the folders stored on the disc. Select a folder to view the list of songs or sub-folders in that folder. Select a song from the list to begin playback.

Playlists: Press to view the playlists stored on the disc. Select a playlist to view the list of all songs in that playlist. Select a song from the list to begin playback.

Artists: Press to view the list of artists stored on the disc. Select an artist name to view a list of albums by the artist. The All Songs button

can be selected to view a list of all songs by the same artist. Select a song from the list to begin playback.

Genres: Press to view the genres. Select a genre to view a list of artists of that genre or all songs of the same genre. Select a song from the list to begin playback.

Albums: Press to view the albums on the disc. Select the album to view a list of all songs on the album. Select a song from the list to begin playback.

Composers: Press to view the list of composers stored on the disc. The Composers menu displays. Select a composer to display a list of albums from the composer, or select All Songs to display all of the composer's songs on the disk.

Tracks (Song Titles): Press to display a list of all songs on the disc. Songs are displayed as stored on the disc. To begin playback, select a song from the list.

Shuffle: Press to play the tracks randomly. Press again to stop shuffle. Look for the shuffle icon to turn on in the radio display.

Empty Folders

If a folder is empty or contains only folders, the player advances to the next folder in the file structure that contains a compressed audio file. The empty folder(s) are not displayed or numbered.

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.

Preprogrammed Playlists (CD Models Only, DVD Models Do Not Support Playlists)

The radio recognizes preprogrammed playlists; however, there is no editing capability. These playlists are treated as special folders containing compressed audio song files.

USB Port

Playing from a USB

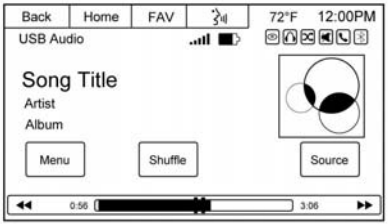
A USB mass storage device can be connected to the USB port.

The USB port is in the storage area located in the lower portion of the center stack.

DC power of 5 volts is limited to 1 amp from this port. Devices such as iPads that require greater current will not charge from this port.

Two additional ports, capable of charging an iPad and used for charging only, are in the rear of the center console.

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) and support formats of FAT32, FAT16, and HFS+.
- Hard disk drives are not supported.
- The radio will not be able to play back write-protected music.
- The following restrictions apply for the data stored on a USB MP3 player or USB device:
  - Maximum folder structure depth: eight levels.
  - Maximum number of MP3/WMA files that can be displayed: 10,000.
  - Playlist entries must be in the form of relative paths.
  - The system attribute for folders/files that contain audio data must not be set.

To play a USB device, do one of the following:

- Connect the USB and it begins to play.
- Press the USB screen button on the Home Page.
- Press SRCE to scroll until the USB source screen is available.
- Press ✆ /🎤 on the steering wheel controls and say “Play USB” after the beep. See *Voice Recognition on page 63*.

The following playlist formats are supported:

- M3U (Standard and Extended)
- iTunes
- PLS (Standard)

While the USB source is active, use the following to operate:

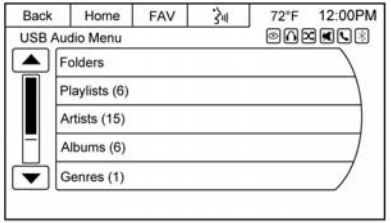
PUSH/SEL Knob: Turn to scroll through the list. Turn quickly to fast scroll alphabetically through large lists.

⏮ **SEEK :** Press to seek to the beginning of the current or previous track. If the track has been playing for less than eight seconds, the previous track plays. If playing longer than eight seconds, the current track restarts.

SEEK ⏭: Press to seek to the next track.

Shuffle: Press to play the tracks randomly. Press again to stop shuffle. Look for the shuffle icon to turn on in the radio display.

USB Audio Menu



Press the Menu button to access the USB Audio Menu screen.

Folders: Press to open a folder list to access the files within the folder structure.

Playlists:

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

Genres:

1. Press to view the genres on the USB.
2. Select a genre to view a list of all songs of that genre.
3. Select a song from the list to begin playback.

Song Titles:

1. Press to display a list of all songs on the USB.
2. Songs are displayed as they are stored on the device. To begin playback, select a song from the list.

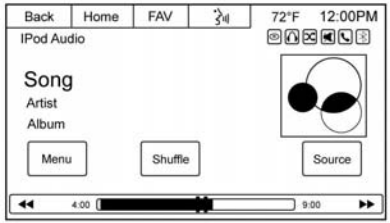
Composers:

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

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 iPod



For the list of supported iPod models, see http://gmtotalconnect.com/.

The USB jack in the front storage bin will charge Apple® devices drawing up to 1 amp of current. The two charging only, 2.1 amp USB ports at the rear of the center console can charge the iPad.

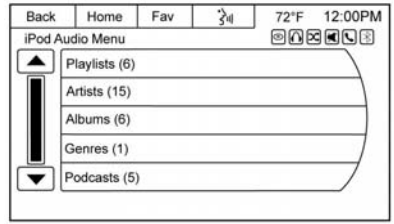
There may be problems with the operation and function in the following situations:

- When connecting an iPod on which a more recent version of the firmware is installed than is supported by the infotainment system.
- When connecting an iPod on which firmware from other providers is installed.

iPod music information displays on the radio's display and begins playing through the vehicle's audio system.

If the iPod is an unsupported model, it can still be listened to in the vehicle by connecting to the auxiliary input jack using a standard 3.5 mm (1/8 in) stereo cable.

iPod Menu



Use the iPod Audio Menu to select:

Shuffle: Press to play the tracks randomly. The shuffle icon should display. Press again to stop shuffle.

Playlists:

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

Artists:

1. Press to view the artists on the iPod.

2. Select an artist name to view a list of all albums with songs by the artist.
3. Select an album.
4. Select the song from the list to begin playback.

Albums:

1. Press to view the albums on the iPod.
2. Select an album name to view a list of all songs on the album.
3. Select the song from the list to begin playback.

Genres:

1. Press to view the genres on the iPod.
2. Select a genre name to view a list of artists of that genre.
3. Select an artist to view albums or All Songs to view all songs of that genre.
4. Select the song from the list to begin playback.

Podcasts:

1. Press to view the podcasts on the iPod.
2. Select a podcast name to begin playback.

Song Titles:

1. Press to view a list of all songs on the iPod.
2. Select the song from the list to begin playback.

Composers:

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

Audio Books:

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

Playing from an iPhone or iPad®

For the list of supported iPhones and iPads models, see http://gmtotalconnect.com/.

If music is available on the iPhone, it could be heard through the radio.

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

When an iPhone and iPod touch are connected through USB and Bluetooth, the audio may not be heard when iPod source on the radio is selected. Select either dock connector on the phone or disconnect and reconnect the device.

The USB jack in the front storage bin will charge Apple® devices drawing up to 1 amp of current. The two charging only, 2.1 amp USB ports at the rear of the center console can charge the iPad.

Bluetooth Audio and Voice Recognition

See *Bluetooth Audio on page 37* and *Voice Recognition on page 63* for information on using voice recognition with Bluetooth Audio.

Make sure all devices have the latest software download.

Auxiliary Devices

This vehicle has an auxiliary input jack in the front of the radio and an optional auxiliary input jack in the rear.

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

The device volume may need adjusting for good sound.

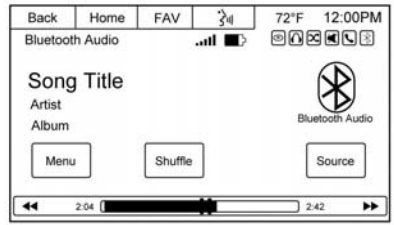
Connect a 3.5 mm (1/8 in) cable from the auxiliary device to the auxiliary input jack. When a device is connected, the system automatically begins playing audio from the device over the vehicle speakers.

If an auxiliary device has already been connected, but a different source is currently active, do one of the following:

- Press SRCE on the faceplate or steering wheel, or the Source button on the screen to scroll through the Source banner. Select Front AUX or Rear AUX depending on where the device is connected.
- Say “Play Front AUX” or “Play Rear AUX” using voice recognition to play the auxiliary device.
- Press the Front AUX or Rear AUX icons on the Home Page.

Bluetooth Audio

If equipped, music may be played from a paired Bluetooth device. See “Pairing a Phone” under *Bluetooth on page 79*.



To play music through a Bluetooth device:

1. Make sure your mobile device is paired to the radio.
2. Launch music by doing one of the following:
   - Press ⌬ on the Home Page.
   - Press SRCE until Bluetooth Audio is selected.

- Press ✆ /🗣 and say “Play Bluetooth Audio”

To play the tracks randomly, press the Shuffle screen button. Press again to stop shuffle.

Press Menu to bring up the Bluetooth Audio menu screen. Select Bluetooth Device List to select or switch a paired device. See “Pairing a New Bluetooth Device” under *Bluetooth on page 79*.

Some phones support sending Bluetooth music information like Artist and/or Song Title to display on the radio.

When listening to Bluetooth audio, the audio that will play through the radio will be what is active or open on the phone.

Rear Seat Infotainment

Rear Seat Entertainment (RSE) System

If equipped, the DVD RSE system works with the vehicle’s audio system. The DVD player is part of the front radio. The RSE system includes a radio with a DVD player, a video display screen, audio/video jacks, two wireless headphones, and a remote control. See *Overview on page 5* for more information on the vehicle's infotainment system.

Before Driving

The RSE is designed for rear seat passengers only. The driver cannot safely view the video screen while driving and should not try to do so.

In severe or extreme weather conditions, the RSE system might not work until the temperature is within the operating range of above −20°C (−4°F) or below 60°C (140°F). If the temperature of the vehicle is outside of this range, heat or cool the vehicle until the temperature is within the proper operating range.

Headphones

1. Power Button
2. Volume Control
3. Channel 1 or 2 Switch

The RSE includes two 2-channel wireless headphones. Channel 1 is dedicated to the video screen movie, while Channel 2 is dedicated to RSA selections. These headphones are used to listen to media such as CDs, DVDs, MP3/WMAs, DVD-As, radio (AM, FM, or SiriusXM, if equipped), any

auxiliary source connected to rear A/V jacks, or the front auxiliary input jack, if equipped. The wireless headphones have a power button, channel 1 or 2 switch, and a volume control. Switch the headphones off when not in use.

Press the power button to turn on the headphones. An indicator light on the headphones comes on. If the light does not come on, the batteries might need to be replaced. Intermittent sound or static on the headphones can also be an indication of weak batteries or being out of range of the signal. See “Battery Replacement” later in this section.

To adjust the volume on the headphones, use the volume control on the right side.

Infrared transmitters are located at the rear of the RSE overhead console. The headphones shut off automatically to save the battery power if the RSE system and RSA are shut 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 audio signal.

For optimal audio performance, the headphones must be worn correctly. Wear headphones with the headband over the top of the head for best audio reception. The symbol L (Left) appears on the outside bottom edge of the ear cup and should be positioned on the left ear. The symbol R (Right) appears on the outside bottom edge of the ear cup and should be positioned on the right ear.

⚠ Caution

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

(Continued)

Caution (Continued)

can weaken the batteries. Keep the headphones stored in a cool, dry place.

If the foam ear pads attached to the headphones become worn or damaged, the pads can be replaced separately from the headphone set. To purchase replacement ear pads, call 1-888-293-3332, then prompt zero (0), or contact your dealer.

Store headphones in the front floor console and not in the front seat back pocket. Headphone damage can occur when the second row seats are folded forward.

Battery Replacement

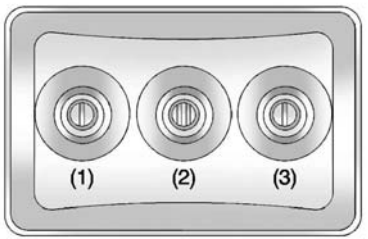
To change the batteries on the headphones:

1. Turn the screw to loosen the battery door on the left side of the headphones. Slide the battery door open.

2. Replace the two batteries in the compartment. Make sure that they are installed correctly, using the diagram on the inside of the battery compartment.
3. Slide back the battery door and tighten the door screw.

If the headphones are to be stored for a long period of time, remove the batteries and keep them in a cool, dry place.

Audio/Video (A/V) Jacks



1. Video Input
2. Left Audio Input
3. Right Audio Input

The RCA type A/V jacks are color coded to match typical home entertainment system equipment.

The A/V jacks, on the rear of the floor console, allow audio or video signals to be connected from an auxiliary device such as a camcorder or a video game unit to the RSE system. Adapter connectors or cables (not supplied) might be required to connect the auxiliary device to the A/V jacks. Refer to the manufacturer's instructions for proper usage.

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

To use the auxiliary inputs of the RSE system, connect an external auxiliary device to the color-coded A/V jacks and turn both the auxiliary device and the video screen power on. If the video screen is in the DVD player mode, pressing the AUX (auxiliary) button on the remote control switches the video screen from the DVD player mode to the auxiliary device. The radio can listen to the audio of the connected auxiliary device by sourcing to auxiliary. See *Auxiliary Devices on page 37*.

How to Change the RSE Video Screen Settings

The screen display mode (normal, full, and zoom), screen brightness, and setup menu language can be changed from the on screen setup menu by using the remote control. To change a setting:

1. Press ▢.
2. Use ▲, ▼, ◀, ▶ and ◀┘ to navigate and use the setup menu.
3. Press ▢ again to remove the setup menu from the screen.

Audio Output

Audio from the DVD player or auxiliary inputs can be heard through the following sources:

- Wireless headphones
- Vehicle speakers
- Vehicle-wired headphone jacks on the RSA system, if equipped

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

The DVD player is capable of outputting audio to the wired headphone jacks on the RSA system, if equipped. The DVD player can be selected as an audio source on the RSA system. See “Rear Seat Audio (RSA) System” in the owner manual.

When a device is connected to the A/V jacks or the radio's auxiliary input jack, if equipped, the rear seat passengers are able to hear audio from the auxiliary device through the wireless or wired headphones. The front seat passengers are able to listen to playback from this device through the vehicle speakers by selecting AUX as the source up front on the radio.

Video Screen

The video screen is in the overhead console. When the video screen is not in use, push it up into its locked position.

To use the video screen:

1. Press the release button on the overhead console.
2. Move the screen to the desired position.

If a DVD is playing and the screen is raised to its locked position, the screen remains on; this is normal, and the DVD continues to play through the previous audio source. Press ⏻ on the remote control or eject the disc to turn off the screen.

The infrared receivers for the wireless headphones and the remote control are at the rear of the overhead console.

⚠ Caution

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

Remote Control

To use the remote control, aim it at the transmitter window at the rear of the overhead console and press the

desired button. Direct sunlight or very bright light could affect the ability of the RSE transmitter to receive signals from the remote control. If the remote control does not seem to be working, the batteries might need to be replaced. 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 or DVD is in the radio DVD slot, the remote control ⏻ button can be used to turn on the video screen display and start the disc. The radio can also turn on the video screen display. See *Overview on page 5*.

⚠ Caution

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

(Continued)

Caution (Continued)

weaken the batteries. Keep the remote control stored in a cool, dry place.

Remote Control Buttons

⏻ **(Power):** Press to turn the video screen on and off.

Inserting a movie DVD will turn the rear screen on automatically. If the vehicle is shut off, after restarting, the screen will have to be turned back on again by using this button to start watching the movie where it left off.

☼ **(Illumination):** Press to turn the remote control backlight on and off. The backlight automatically times out after seven to 10 seconds if no other button is pressed while the backlight is on.

(Title): Press to return the DVD to the main menu of the DVD. This function could vary for each disc.

(Main Menu): Press to access the DVD menu. The DVD menu is different on every DVD. Use the navigation arrows to move the cursor around the DVD menu. After making a selection, press the enter button. This button only operates when using a DVD.

▲, ▼, ◀, ▶ (Menu Navigation Arrows): Use the arrow buttons to navigate through a menu.

(Enter): Press to select the choice that is highlighted in any menu.

(Display Menu): Press to adjust the brightness or screen display mode (normal, full, or zoom), and display the language menu.

(Return): Press to exit the current active menu and return to the previous menu. This button operates only when the display menu or a DVD menu is active.

■ **(Stop):** Press to stop playing, rewinding, or fast forwarding a DVD. Press twice to return to the beginning of the DVD.

► ‖ **(Play/Pause):** Press to start playing a DVD. Press while a DVD is playing to pause it. Press again to continue playing the DVD.

When the DVD is playing, depending on the radio, play may be slowed down by pressing ► ‖ then ►►. The DVD continues playing in a slow play mode. Depending on the radio, perform reverse slow play by pressing ► ‖ then ◄◄. To cancel slow play mode, press ► ‖ again.

|◄ **(Previous Track/Chapter):** Press to return to the start of the current track or chapter. Press again to go to the previous track or chapter. This button might not work when the DVD is playing the copyright information or the previews.

►| **(Next Track/Chapter):** Press to go to the beginning of the next chapter or track. This button might not work when the DVD is playing the copyright information or the previews.

◄◄ **(Fast Reverse):** Press to quickly reverse the DVD or CD. To stop fast reversing a DVD video, press ► ‖. To stop fast reversing a DVD audio or CD, release ◄◄. This button might not work when the DVD is playing the copyright information or the previews.

►► **(Fast Forward):** Press to fast forward the DVD or CD. To stop fast forwarding a DVD video, press ► ‖. To stop fast forwarding a DVD audio or CD, release ►►. This button might not work when the DVD is playing the copyright information or the previews.

♪ **(Audio):** Press to change audio tracks on DVDs that have this feature when the DVD is playing. The format and content of this function vary for each disc.

▭ **(Subtitles):** Press to turn ON/OFF subtitles and to move through subtitle options when a DVD is playing. The format and content of this function vary for each disc.

AUX (Auxiliary): Press to switch the system between the DVD player and an auxiliary source.

🎥 **(Camera):** Press to change camera angles on DVDs that have this feature when a DVD is playing. The format and content of this function vary for each disc.

1 through 0 (Numeric Keypad): The numeric keypad provides the capability of direct chapter or track number selection.

⊗ **(Clear):** Press within three seconds after entering a numeric selection to clear all numerical inputs.

≧ **10 (Double Digit Entries):** Press to select chapter or track numbers greater than nine. Press this button before entering the number.

If the remote control becomes lost or damaged, a new universal remote control can be purchased. If this happens, make sure the universal remote control uses a Toshiba® code set.

Battery Replacement

To change the remote control batteries:

1. Remove the back cover on the remote control.
2. Replace the two batteries in the compartment. Make sure that they are installed correctly, using the diagram on the inside of the battery compartment.
3. Put the battery cover back.

If the remote control is to be stored for a long period of time, remove the batteries and keep them in a cool, dry place.

Tips and Troubleshooting Chart

Problem	Recommended Action
There is no power.	The ignition might not be turned to 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 the picture looks stretched out.	Check the display mode settings in the setup menu by pressing the display menu button on the remote control.
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.
After stopping the player and pushing Play, sometimes the DVD starts where it left off and sometimes at the beginning.	If the stop button was pressed one time, the DVD player resumes playing where the DVD was stopped. If the stop button was pressed two times, the DVD player begins to play from the beginning of the DVD.
The auxiliary source is running, but there is no picture or sound.	Check that the RSE video screen is in the auxiliary source mode. Check the auxiliary input connections at both devices.
There is sound but no picture for a movie.	Check that the RSE video screen is turned on by using the remote control power button.

Tips and Troubleshooting Chart (cont'd)

Problem	Recommended Action
Sometimes the wireless headphone audio cuts out or buzzes.	Check for obstructions, low batteries, reception range, and interference from cellular telephone towers. Test out the reception by using a cell phone in the vehicle. Check that the headphones are on correctly using the (L) Left and (R) Right on the headphones.
The remote and/or the headphones are lost.	See your dealer for assistance.
The DVD is playing, but there is no picture or sound.	Check that the RSE video screen is sourced to the DVD player.

DVD Display Error Messages

The DVD display error message depends on which radio the vehicle has. The video screen might display one of the following:

Disc Load/Eject Error: This message displays when there are disc load or eject problems.

Disc Error: This message displays if the disc is inserted with the disc label wrong side up, or if the disc is damaged.

Disc Region Error: This message displays if the disc is not from a correct region.

DVD Distortion

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

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

*Excludes the OnStar® System.

Cleaning the RSE Overhead Console

When cleaning the RSE overhead console surface, use only a clean cloth dampened with clean water.

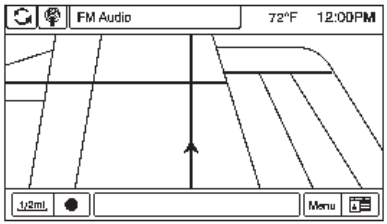
Cleaning the Video Screen

Use only a clean cloth dampened with clean water. Use care when directly touching or cleaning the screen, as damage could result.

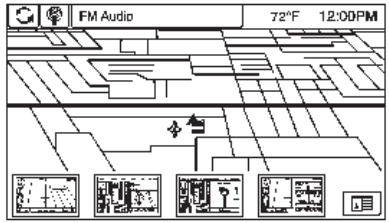
Navigation

Using the Navigation System

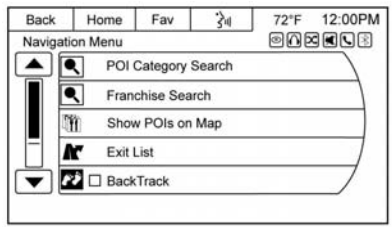
Use the NAV button on the faceplate or the Navigation button on the Home Page to access the navigation map.



Press the NAV button again to change between alternative views of the split and full map views.



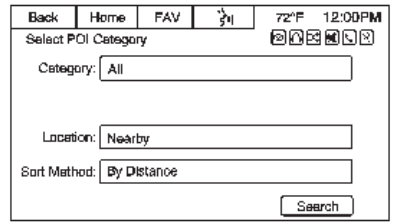
Press the Map Mode screen button at the bottom right side of the map to display a list of map views. See *Navigation Symbols on page 50* for a picture of the screen button. Press the desired map view.



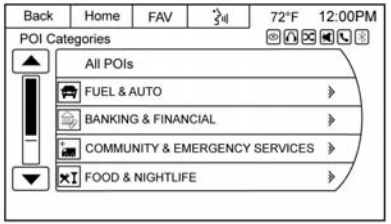
The Menu screen button at the bottom right side of the display accesses the Navigation Menu.

The touch-sensitive buttons available are:

POI Category Search



1. Press to access the Select POI Category screen and select the Category that you wish to search for. The POI Category screen displays with the selection options. Location and Sort Method filters are also available.
2. Press the Search screen button to display POI Search Result screen with a list of POIs.



3. Select the desired POI.
   A Destination Confirmation screen is displayed with the option to start the guidance.

Not all listed Categories may be selectable while the vehicle is in motion. The All POIs category is always selectable.

Franchise Search

Press to access POI Franchise Search to choose a method for searching POI franchises. The method of search can be narrowed by entering specific ways for searching the POI franchises.

Searching for POI franchises will display the same menus as if searching for POI categories. Follow the instructions as stated earlier when searching for POI categories.

Show POIs on Map

Press to access the Show POIs on Map screen. Select Icons On to display the icons on the map, or Icons Off to remove them.

Press NAV to display the map along with the selected icons.

Exit List

Press to display a list of POI exits while on the highway.

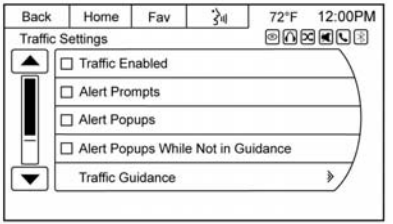
Back Track

Press to initiate the Back Track feature.

Current Position

1. Press to display a split screen showing detailed information about the vehicle position.
2. When on route, press Save to Address Book to save the selected destination displayed on the map.

Traffic

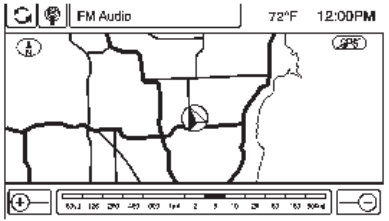


Press to display traffic options for listing all traffic events in specific order. The Traffic Settings menu is also available.

Map Adjustments

The system lets you adjust the scale of view on the map. Also, as you drive, the map scrolls automatically based on the direction of travel.

Map Scales



There are two methods to change the map scale. Press the number button in the bottom left corner to access the map scale and do one of the following:

- Press + or − next to the map scale button on the bottom corner of the map screen to change the zoom level.
- Press the actual scale bar at the bottom of the map to the desired increment of zoom.

  The map scale bar times out if the zoom level is not changed within a few seconds.

The scale can be configured for metric or English units. To change from metric to English or vice versa, see “Driver Information Center (DIC)” in the owner manual.

Scroll Features

- To scroll within the map, touch anywhere on the map screen and the scroll symbol displays.
- Press the map to center at the desired location.
- Press and hold the screen in any direction outside the scroll symbol to scroll the map in that direction.
- Scroll speed increases when touching closer to the edge of the screen.
- Press NAV on the faceplate to exit map scrolling and return to the current vehicle location on the map.

Press the cycling arrows at the top left of the map screen to toggle between different menu options at the top of the screen.

Maps

This section includes basic information about the map database.

The maps are stored in the navigation system.

Detailed Areas

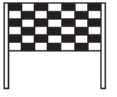
Road network attributes are contained in the map database for detailed areas. Attributes include

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 points 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 of the system. 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.



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 and distance to the destination are displayed.

If waypoints have been added to the current route, each waypoint destination displays estimated time and distance.

This symbol indicates that the map view is North up: North up displays North at the top of the map screen regardless of the direction the vehicle is traveling. Select this screen symbol to change the view to Heading up.

This symbol indicates that the map view is Heading up.

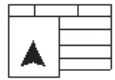
Heading up view displays the direction the vehicle is traveling at the top of the map screen. The shaded triangle indicates North.

Press this screen symbol to change to 3D mode.

The 3D symbol is the same as the Heading up symbol, but the map is in 3D.

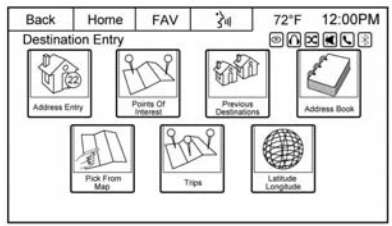
Press this again to change back to the North up symbol.

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



The Map Mode icon at the bottom right of a map screen brings up the map modes pop-up screen. Press on one of the map modes to change the map view.

Destination



If route guidance is not active, press the Destination screen button on the Home Page or the DEST button on the faceplate to access the Destination Entry screen. Several options can be selected to plan a route by entering destinations. Some destination entry items such as Previous Destinations and Address Book may be grayed out if no destination was previously entered or saved.

If route guidance is active, press the DEST button on the faceplate or Destination on the Home Page to access other destination options on the route.

Alpha-Numeric Keyboard

Letters of the alphabet, symbols, punctuation, and numbers, when available, display on the navigation screen as alpha/numeric keyboards. The alpha keyboard displays when data needs to be entered.

The following are some of the buttons while in the keypad view.

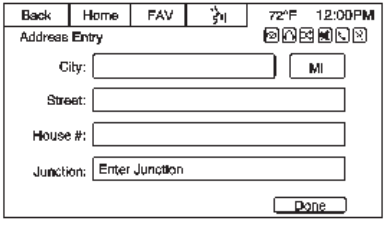
QWERTY or ABCDEF: Press to toggle between QWERTY or ABCDEF keyboard character layouts.

Symbols: Use to select symbols.

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

Delete: Press to delete an incorrect character that has been selected. Press and hold to erase all of the text entered on the selected line.

Address Entry



Press the Address Entry screen button to enter the address manually using the keyboard. Set a route by entering the state name first.

If no state or province has been entered previously, the city and street fields are grayed out. Press the screen button at the top right to select a state or province.

Enter the City and Street name. Then enter House # or Junction. House # or Junction will be grayed out if no Street name is entered.

The system has a preloaded list of all cities and streets in a selected state. To make name selection easier, characters that match the ones in the preloaded list will be displayed.

A list displays if five or fewer names are available. If there are more than five, there will be a match counter to the right of the input field with the number of available matches. Press the List screen button to view the list and select the entry.

After entering the destination information and selecting Done, the Destination Confirmation screen displays preference options. Start guidance or select any of the other options.

Press Done at any time while not grayed out and the system resolves a destination based on the entered information.

Points Of Interest (POI)

Press the Points Of Interest screen button on the Destination Entry page. The POI Entry page displays a list with several options to search for the destination point:

Category: Select the POI category, Location, and Sort method. Press Search and the POI Search Result list will display. Select your POI and follow the instructions on the screen to start guidance.

Name: Enter the POI Name manually using the on-screen keyboard. Select Location and Sort Method. A preloaded list displays if

five or fewer names are available. If there are more than five, there is a match counter to the right of the input field with a number of available matches. Press the List screen button to view the list and select the entry. Follow the instructions on the screen to start guidance.

Phone Number: Enter the phone number of the desired POI through the on-screen keyboard. The phone number has to match one of the preloaded numbers in the system in order to find the desired POI. Press Search and follow the instructions on the screen to start guidance.

Franchise Search: Select All POI Franchises or the Custom Franchise List. Select Location and Sort Method. Press Search and the POI Search Result list will display. Select your POI and follow the instructions on the screen to start guidance.

Emergency: Select from the list of all emergency services. Follow the instructions on the screen to start guidance.

Previous Destinations

Select a destination from the Previous Destinations List. Up to 15 points that have been previously entered can be recalled. If the list is full, the oldest destinations are automatically deleted once the newest destinations are added.

Address Book

If no destination is saved to the address book, save a destination:

1. Press the Home Page Destination icon or DEST faceplate button.
2. Enter an address using any of the destination methods (Address Entry, POI Entry, etc.).
3. On the Destination Confirmation screen, select Save.
4. To customize the address book entry, select Name, Number, or Icon.
5. Press Save.

Press the Home Page Destination icon or DEST faceplate button to display the Address Book screen button.

Choose a destination by selecting an address that has been stored in the address book:

1. Press the Address Book screen button. A list displays the address book entries.
2. Select the destination from the list.
3. Press the Start Guidance screen button and the route calculates.

To edit address book entries:

1. Select an item from the address book.
2. On the Destination Confirmation screen, select Edit.

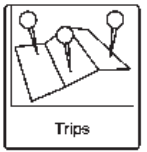
3. The system displays the options Name, Phone Number, Icon, and Delete. Press Delete to delete the destination from the address book.
4. To customize the address book entry, select Name, Phone Number, or Icon.

Latitude/Longitude Coordinates

Choose a destination based on latitudinal and longitudinal coordinates:

1. Press the Home Page Destination screen button. Press the Latitude Longitude screen button to display the entry screen.
2. Press Latitude and enter the values using the Up and Down arrows. Select N for North and S for South. Enter the values for degrees, minutes, and seconds. Press Done when finished.
3. Press Longitude and enter the values using Up and Down arrows. Select W for West and E for East. Enter the values for degrees, minutes, and seconds. Press Done when finished.
4. Press Search and follow the instructions on the screen to start guidance.
5. If invalid values are entered, a pop-up message displays "Destination not Found."

Trips



Trips are a way of entering multiple destinations along the route.

Current routes must be canceled before entering a new trip. To add a trip:

1. Press the Home Page Destination icon or DEST faceplate button to display the Trips screen button.
2. Press the Trips screen button to display Trips List.
3. Select New Trip to display a screen instructing to add a waypoint.
4. Press OK and the Add Waypoint screen displays.
5. Press Add to display the Waypoint Entry screen. Select the preferred way of entry and then press the Save screen button. See “Waypoints” later in this section.
6. The route must be started to have the option of saving up to three more waypoints as a trip. Press DEST on the faceplate or the Home Page Destination icon

to get to the Waypoints menu. In the Waypoints menu, press the Save as Trip screen button.

7. Enter a name for the trip by using the keyboard and press OK.

Current routes must be canceled before selecting a new saved trip. To select a trip:

1. Press the Home Page Destination icon or DEST faceplate button to display the Trips screen button.
2. Press the Trips screen button to display a list of available trips.
3. Select a trip to display the Destination Confirmation screen.
4. Press the Start Trip screen button. The route calculates.

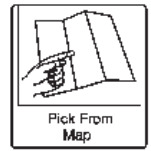
Current routes must be canceled before deleting a trip. To delete a trip:

1. Press the Home Page Destination icon or DEST faceplate button to display the Trips screen button.
2. Press Trips to display the list of available trips.
3. Select the trip to be deleted.
4. Press Edit Trip.
5. Press Delete Trip.

To change the trip name:

1. Press the Home Page Destination or DEST faceplate button to display the Trips screen button.
2. Press Trips to display the list of available trips and select the trip to edit.
3. Press Edit Trip.
4. Select Edit Name.
5. Using the keypad, enter the name.
6. Press OK. The new name will be in the Trips List.

Pick From Map



1. Press the Home Page Destination icon or DEST button on the faceplate to display the Pick From Map screen button. Press this button to display the map screen with a crosshair symbol centered on the map.
2. Press the Map Scale icon on the screen to scale the map size. The adjusted map displays. Pick your destination from the map by touching the screen at the desired spot. Press and hold a finger on the map to activate fast scrolling.

3. Press the Go button on the bottom of the screen to display the Destination Confirmation screen.
4. Press the Start Guidance screen button. The route calculates.

Destination Confirmation

Multiple options are available on the Destination Confirmation screen:

Start Guidance: Press to start a route calculation to the displayed destination.

Show on Map: Press to switch to the map view with the displayed destination centered on the map.

Route Options: Press to modify route options. See “Navigation Settings” under *Using the Navigation System on page 47*.

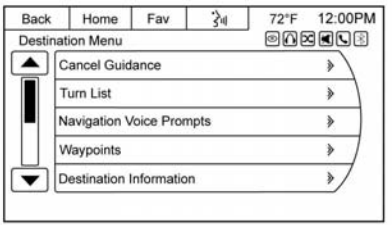
Call: Press to initiate a phone call to the displayed phone number (if phone capability is available).

Save: Press to save the displayed destination into the address book. If the displayed destination is already stored in the address book, you will be prompted to overwrite it.

Save as Home: Press to save the displayed destination as your home destination. The home destination will be stored at the top of the list of destinations in the address book.

Route Preview: Press to preview the selected route on the map.

Destination Menu with Route Guidance Active

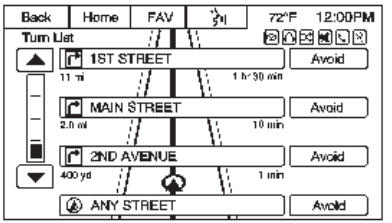


Several functions can be performed after a destination has been entered. Press the Home Page Destination screen button or the DEST faceplate button to access the Destination Menu screen.

Cancel Guidance

Press Cancel Guidance to cancel the current route. A confirmation screen displays Yes or No. Select the desired option.

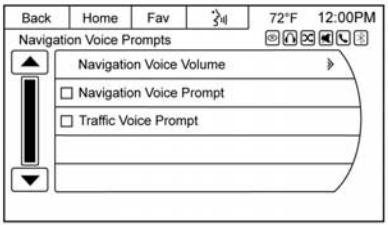
Turn List



Select Turn List to view a list of maneuvers for the entire route. Press the Avoid screen button next to one of the turn maneuvers to avoid a segment of roads.

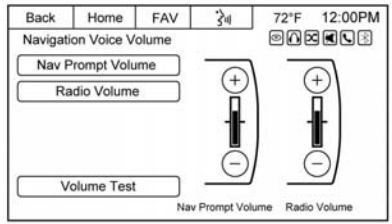
A confirmation screen displays Avoid or Cancel. Select the desired option. A maximum of eight avoided segments are allowed.

Navigation Voice Prompts



- Select Navigation Voice Prompts to adjust Navigation Voice Volume, select Navigation Voice Prompt, or select Traffic Voice Prompt.
- Press Navigation Voice Volume to display options for increasing or decreasing the Navigation Voice Prompt versus the Audio Volume during guidance prompts.

You can adjust Voice Prompt volume with the Volume knob while Voice Prompt guidance is in process.

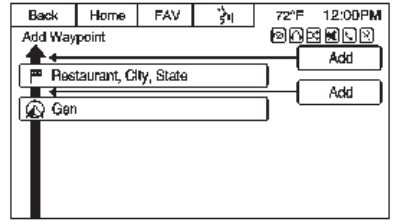


Press the Volume Test screen button to test the volume setting.

Waypoints

Select Waypoints to view options for organizing, setting, or deleting waypoints.

Up to three waypoints can be added to the current route.



To add a waypoint:

1. From the Waypoints menu, press Add Waypoint.
2. Continue by pressing the appropriate Add key above or below an item on the list of waypoints.
3. Enter the waypoint by any of the Destination/Waypoint Entry methods. The system calculates and highlights the route.

To delete a waypoint:

1. Press Delete on the Waypoints menu.
2. Press Delete again next to the waypoint that you want to delete.

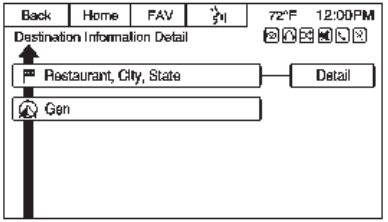
To rearrange waypoints:

1. Press Sort Waypoints from the Waypoints menu.
2. Press Move next to the waypoint that you want to rearrange.
3. Press Add at the spot where you want to move it to. The route will be recalculated.
4. Press the NAV faceplate button to return to the map view.

The guidance can be canceled from the Waypoints menu by selecting Cancel Guidance.

After adding, deleting, or rearranging one or more waypoints, the newly acquired route can be saved as a new trip by selecting Save as Trip from the Waypoints menu.

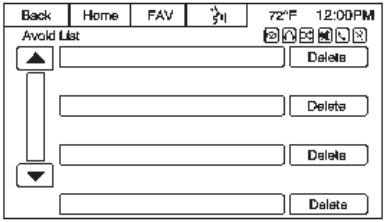
Destination Information



Press to display the Destination Information Detail screen. The details of the selected route show the start, any stops along the route, and the finish.

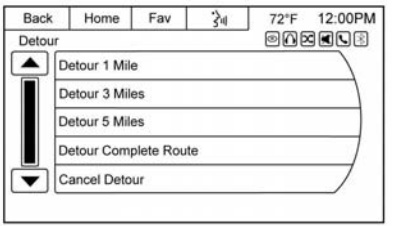
Press the Detail screen button for additional information.

Avoid List



Select to display a list of avoided road segments with the option to remove the avoided items from the list.

Detour



Select to display the route detour options. Select to detour the whole route or by a specific distance.

Route Options

Select Route Options, then choose the desired route preference such as Fastest, Shortest, or Economical route. There is an option to choose a route with no Toll Roads, Freeways, Tunnels, Ferries, and Time Restricted Roads. Press on the check box to make a selection. Avoiding one or more of the previous route scenarios may result in “a no route possible option” situation.

Current Route Overview

Press to display the map with the overview of the route.

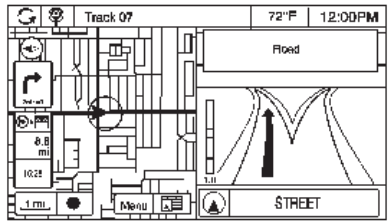
Suspend Guidance

Press to suspend guidance of a current route. A confirmation screen displays and the guidance is suspended. To resume guidance, press DEST on the faceplate, then press Resume Guidance on the screen.

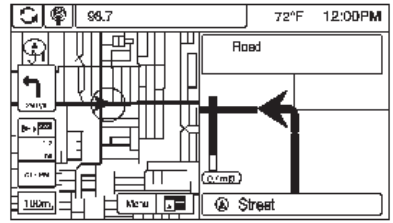
Driving on a Route

Urgent Maneuver Alert

The system will give an indication that the next maneuver is close.



Driving on a Highway



Driving on a Residential Road

OnStar® System

OnStar Turn-by-Turn

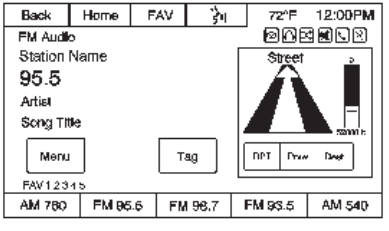
An OnStar® subscriber has the ability to connect to the OnStar system and ask an OnStar Advisor to download a destination or provide Turn-by-Turn route guidance. OnStar will send address information and location coordinates of the destination into the navigation system.

No Active Route

- Press the OnStar button to initiate the OnStar Turn-by-Turn route guidance.

- 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.
- Turn-by-Turn is available to both navigation and non-navigation radio systems. Only a navigation radio system will accept OnStar destination downloads on the map.

OnStar Non-Navigation Radio System



When OnStar Turn-by-Turn route guidance is activated, a display of the route appears on the right side of the screen.

Screen buttons below the guidance map are:

RPT (Repeat): Press to repeat the audible maneuver prompt.

Prvw (Preview): Press to begin route preview, which creates a maneuver and audio prompt with the corresponding icons.

Dest (Destination): Press to show the destination address and distance to destination with corresponding audio prompt.

Previous Destinations

Previously downloaded OnStar destinations are saved under Previous Destinations in the OnStar system, where they can be accessed or saved to the address book in the OnStar system.

OnStar Destination Download

Navigation radios can use the OnStar destination download and enter a destination while underway through an OnStar Advisor.

For activated systems:

- Press the OnStar button to ask for an OnStar Advisor.
- State the destination and request it to be downloaded to the navigation system.
- The destination will then display in detail on the Destination Entry screen where Start Guidance, Show On Map, Save, etc., can be used.

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 the 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 62* and *If the System Needs Service on page 62*.

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 has been disconnected for several days.
- The vehicle is driving in heavy traffic 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 that 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 49*.

To recalibrate the vehicle's position on the map, park with the vehicle running for two to five minutes, until the vehicle position updates.

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.

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.

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. To order map data, have the vehicle's Vehicle Identification Number (VIN) available. See “Vehicle Identification Number (VIN)” in the owner manual.

After receiving the updated map data, see *Maps on page 49*.

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 62*.

Voice Recognition

Voice recognition allows for hands-free operation within the audio and phone 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 that 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.

Most voice commands, except for 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 to be performed. The system will reply, prompting dialog to help speak the necessary information.

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 controls to activate voice recognition, or press the voice recognition icon on the infotainment touchscreen.

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.

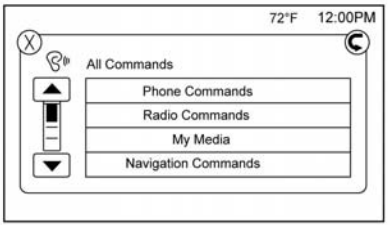
There are two voice prompt modes supported:

- Long verbal prompts: The longer prompts provide more information regarding the supported actions for that voice recognition session.
- Short prompts: The short prompts provide simple setup and action commands.

The voice prompt modes can be changed in the Voice Recognition Menu from the Settings icon on the Home Page.

If a command is not heard during a short period of time, the voice recognition process times out.

Prompts and Screen Displays



The system prompts and display screens will adjust to reflect the commands during the voice recognition session.

While voice recognition is active, there may be corresponding buttons and screen displays available to interact with the system so that some of the functions can be manually done. Pressing any of the buttons or displays to finish a function that was initiated through voice recognition will terminate the session. If the manual functions are only partially completed, the voice recognition will proceed until finished.

Canceling Voice Recognition

- Press ▽ on the steering wheel controls. This will terminate the voice recognition session and display the screen prior to when voice recognition was initiated.
- Press the X or the circled arrow displaying on the upper corners of the screen to terminate or go back up the voice menu, respectively, during the voice recognition session.
- Say “Cancel” or “Back” to terminate or go back to the voice menu during the voice recognition session, and to display the screen prior to when voice recognition was initiated.

Helpful Hints for Speaking Commands

The voice recognition application can usually understand direct commands of the application and task.

An example of a command would be, “Phone.” The system may answer with a prompt of, “Say Call followed by the number or contact name.” The direct command for this task would be, “Call 555-1212.”

If the phone number has been saved as a name or place, the direct command would be, “Call David’s office number.”

Directed Dialog

A directed dialog is an interaction between a person speaking the command and the system prompting for specific information necessary to complete the task. Many times the system may repeat what the person has stated as a command. This is done as a confirmation to make sure the command is understood.

Voice Recognition for the Radio

All audio screens have a voice recognition button to launch an audio voice recognition session. If browsing the radio when the voice button is pressed, the voice recognition screens for radio display.

The following list shows radio features that are controllable by voice recognition commands. A voice recognition command would have to include all necessary instructions for the system to carry out each command:

help: Voice control help for radio functionality.

tune FM: Most recently tuned FM station.

tune AM: Most recently tuned AM station.

tune XM: Most recently tuned SiriusXM channel.

tune XM <number>: Listen to a SiriusXM channel (by number).

tune XM <channel name>: Listen to a SiriusXM channel (by name).

Voice Recognition for My Media

All audio screens have a voice recognition button to launch an audio voice recognition session. If browsing My Media when the voice button is pressed, the voice recognition screens for My Media display.

The following list shows My Media features that are controllable by voice recognition commands. A voice recognition command would have to include all necessary instructions for the system to carry out each command:

help: Voice control help for My Media functionality.

play <device name>: Play a specific device including disc, AUX, Bluetooth USB, and iPod.

play genre: Play music from a specific genre.

play artist: Play music by a specific artist.

play album: Play music from the specific album.

play song: Play track including CD and DVD.

play playlist: Play music in a pre-defined playlist.

play audio book: Play an audio book by Title.

play podcast: Listen to a Podcast.

Voice Recognition for Phone

((call / dial) [number] / phone) <phone_number>: Initiate a call to a standard phone number.

((call / dial) [phone] / contact) <ContactName>: Initiate a call to an entered contact.

The voice command must match how the contact is stored in the phone device. For example, “call <last name>, <first name>.”

(call / dial) <ContactName> [at] home / ’s (home [phone / number] / house): Initiate a call to an entered contact and location at home, at work, on mobile device, or on another phone.

((pair [my / this] / add) [[a] new] / connect [new]) phone: Begin the Bluetooth pairing process. Follow instructions on the radio display.

((switch / change) [phone] to / use / select / connect) <phone_device>: Select a different phone for outgoing calls.

(switch / to [my] other) / change) phone: Select to another owned phone.

redial [the] last (number / contact / number): Initiate a call to the last dialed number.

(call / dial) [a] contact [open] (address / phone) book: Go to a sub-menu location for contact information.

[go to / start / use] [voice] keypad / international call: Go to a sub-menu location for international contact information.

Voice Pass-Thru

Voice pass-thru allows access to the voice recognition commands on the cell phone, for example, Siri or Voice Command. See the cell phone manufacturer's user guide to see if the cell phone supports this feature. To activate the phone voice recognition system, press and hold on the steering wheel for at least three seconds.

General Commands

cancel: Instructs the system to cancel the command.

cancel / stop / end / cancel request: Instructs the system to end the speech session.

[no] go back / back / previous screen: Instructs the system to go back to the Previous Menu / Selection.

yes / correct / that is correct / yeah / ya / yep / yup / sure / right / OK / positive / you got it / probably / you bet: Any of these commands will be accepted by the system as an answer of yes.

[no] [select / [it's] selection] [number] one / [[no] select] <linenumber>: Instructs the system to select the number one line on a menu.

[no] [select / [it's] selection] [number] two / [[no] select] <linenumber>: Instructs the system to select the number two line on a menu.

[no] [select / [it's] selection] [number] three / [[no] select] <linenumber>: Instructs the system to select the number three line on a menu.

[no] [select / [it's] selection] [number] four / [[no] select] <linenumber>: Instructs the system to select the number four line on a menu.

no / incorrect / wrong / negative / none are correct / none of these / not really / no I said / did not / nope / na / no way: Instructs the system to reject the result and switch the screen.

Voice Recognition for Navigation

If the voice button is pressed while on a map screen, the system begins a voice recognition session.

Destination and Guidance Commands

destination (Available for English, Spanish, and French languages): Instructs the system that the user wants to enter a destination using voice recognition. After this command is stated, the system displays a menu for entering the destination by address or contacts stored in the address book. If address is selected, the system prompts for more information such as country, city, state, or house number. If entering the destination by contacts, the system will prompt for a contact name as stored.

Set the Destination by using voice recognition:

1. Press the steering wheel control button or the voice recognition icon on the touchscreen display. The audio system mutes, and a beep is heard.
2. Say the command "Destination Address." The system replies with "say Cancel Guidance Route or say Destination" if there is a route entered already. Otherwise the system will reply with "Say the City and State or Say Change Country." If the country is incorrect, go to Step 5. Otherwise, say the city and state for the destination.

   During the session, the city and state matches to the spoken city and state name. The system asks the user to select an item from the candidate list either by

pressing the desired choice, or by saying the list number of the desired choice.

3. There will be another prompt asking about address or contact. The system replies “Say the House Number and Street Name.” Say the house number and street name for the destination. The house and street address as well as the closest match to the spoken number are similar to the city and state commands.
4. This address is now set as the destination. Select the Start Guidance screen button to begin destination route guidance. At that point there are additional options to review the destination location on the map, or to preview the route, detailed later in this manual.
5. After saying “Change Country,” the system replies with “Say the Name of the Country or Territory for the address wanted.” Say the correct country or territory. The system will return to the Destination Address menu and ask, “Say the City and State/ Province or Say Change Country” as in Step 2.

Pandora Commands

For each voice recognition command, tap the button on the steering wheel or on the screen to direct the stated commands. An example of a simple direct command is, “Play Pandora.”

[please / I want [you] to / I would like to / I wanna / I’d like to] (tune [to] / play / go to / change to) ([station] / [favorite]) <pandora_station>: Instructs the system to call the Pandora application on the paired, connected phone device. The iPhone will need to be connected through the USB. Playback begins where it left off, unless the station called is instructed differently.

bookmark song: Instructs the system to save the selected song for later recall.

bookmark artist: Instructs the system to save the selected artist for later recall.

I like this / thumbs up: Rates the program material currently playing.

I don’t like this / thumbs down: Rates the program material currently playing.

shuffle: Starts shuffle play of the Pandora stations on the device.

skip forward / skip / next: Instructs the system to skip forward to the next song.

[[entertainment] system] help / help with entertainment [system] / how do I use the entertainment system: Instructs the system to state instructions for using the entertainment system.

cancel / stop / end / cancel request: Instructs the system to end the speech session.

[no] go back / back / previous screen: Instructs the system to go back to the Previous Menu / Selection.

Stitcher Commands

For each voice recognition command, tap the button on the steering wheel or on the screen to direct the stated commands. An example of a simple direct command is, “Play Stitcher.”

I like this / thumbs up: Rates the program material currently playing.

I don’t like this / thumbs down: Rates the program material currently playing.

skip forward / skip / next: Instructs the system to skip forward to the next song.

add to favorites / favorite: Instructs the system to save the program material currently playing to favorites.

remove from favorites: Instructs the system to remove the program material saved in favorites.

[[entertainment] system] help / help with entertainment [system] / how do I use the entertainment system: Instructs the system to state instructions for using the entertainment system.

cancel / stop / end / cancel request: Instructs the system to end the speech session.

[no] go back / back / previous screen: Instructs the system to go back to the Previous Menu / Selection.

yes / correct / that is correct / yeah / ya / yep / yup / sure / right / OK / positive / you got it / probably / you bet: Any of these commands will be accepted by the system as an answer of yes.

[no] [select / [it’s] selection] [number] one / [[no] select] <linenumber>: Instructs the system to select the number one line on a menu.

[no] [select / [it’s] selection] [number] two / [[no] select] <linenumber>: Instructs the system to select the number two line on a menu.

[no] [select / [it’s] selection] [number] three / [[no] select] <linenumber>: Instructs the system to select the number three line on a menu.

[no] [select / [it’s] selection] [number] four / [[no] select] <linenumber>: Instructs the system to select the number four line on a menu.

no / incorrect / wrong / negative / none are correct / none of these / not really / no I said / did not / nope / na / no way: Instructs the system to reject the result and switch the screen.

Text Messaging Commands

play text: Plays a new text message through the radio.

text <contact name>: Sends a predefined text message to a phone contact.

text <phone number>: Sends a predefined text message to a phone number.

Weather Commands

weather: Starts the weather application.

local weather: Accesses the local weather.

forecast: Accesses the local forecast.

OnStar (if equipped) Command

OnStar: Instructs the system to connect to OnStar. Enter the OnStar voice recognition system. See “OnStar” in the owner manual.

Help Commands

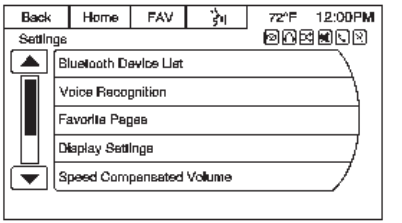
help: Instructs the system to state commands that can be used for accomplishing system functions.

[[entertainment] system] help / help with entertainment [system] / how do I use the entertainment system: Instructs the system to state instructions for using the entertainment system.

cancel / stop / end / cancel request: Instructs the system to end the speech session.

[no] go back / back / previous screen: Instructs the system to go back to the Previous Menu / Selection.

Settings

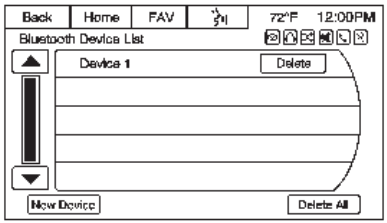


Press Settings on the Home Page to adjust features and preferences, such as Time, Date, Bluetooth Device List, Voice Recognition, Favorite Pages, Display Settings, Navigation Settings, etc. Some of the options for Settings are explained in the owner manual.

1. Press the Settings screen button on the Home Page.
2. Touch-tap the scroll bar or turn and press the PUSH/SEL knob until the desired option displays. Select the desired settings to change.

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

Bluetooth Device List



Press to display paired Bluetooth devices. Press any one of the options to complete a function, such as New Device, Delete, or Delete All.

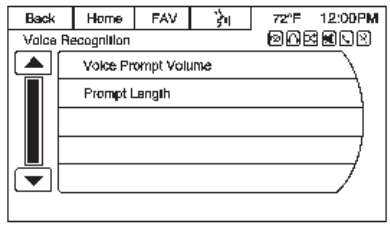
See *Bluetooth Audio on page 37*.

Text Message Options

Select Text Message Options from the Settings menu list.

- Select Incoming Text Alert from the Text Message Options menu list to enable/disable the new incoming message display pop-up and alert sound.
- Select Append Text Signature from the Text Message Options menu list to enable/disable the vehicle signature appended to messages sent from the radio ("Sent from my <Brand> <Model>").

Voice Recognition



Voice recognition allows for hands-free operation within the navigation, audio, and phone applications. See *Voice Recognition on page 63* and *Bluetooth on page 79*.

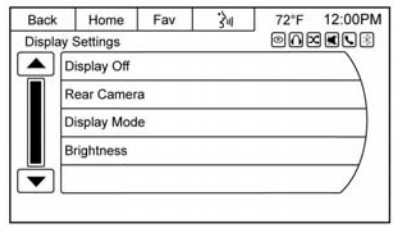
Press to display voice recognition options.

- Voice Prompt Volume: Press to adjust the prompt volume.
- Prompt Length: Press to select short or long prompts.

Favorite Pages

Select the number of favorite pages displayed.

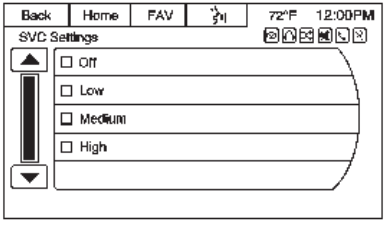
Display



Press to adjust the screen settings.

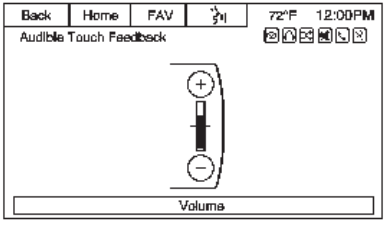
- Press Display Off to turn the display settings off.
- Press Rear Camera to display two options that can be selected and turned on or off:
  - Symbols
  - Guidelines
- Press Display Mode (navigation radio only) to adjust the screen background.
  - Automatic setting will adjust the screen background automatically depending on the exterior lighting conditions.
  - Day setting brightens the map background.
  - Night setting darkens the map background.
- Press Brightness to adjust the image background.

Speed Compensated Volume



Select Off, Low, Medium, or High sensitivity to automatically adjust the volume to minimize the effects of unwanted background noise that can result from changing road surfaces, driving speeds, or open windows. This feature works best at lower volume settings where background noise is typically louder than the sound system volume.

Audible Touch Feedback



Press + or − to increase or decrease the volume of touch feedback.

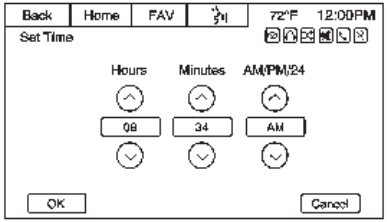
Ringtone Volume

Press + or − to increase or decrease the volume of the ringtone while receiving an incoming call from a Bluetooth connected cell phone.

Notification Prompt Volume

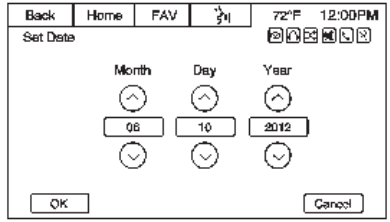
Press + or − to increase or decrease the voice recognition notification prompt.

Set Time



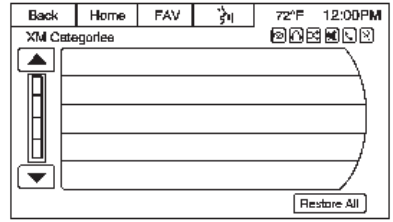
- Press the up or down arrows to increase or decrease the Hours and Minutes, or change the setting between AM, PM, or 24 hr on the clock.
- Press and hold to quickly increase or decrease the time settings.
- Press OK to save or Cancel to disregard the changes.

Set Date



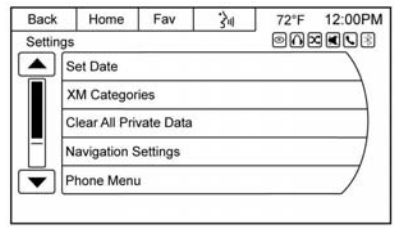
- Press the up or down arrows to increase or decrease the Month, Day, and Year settings.
- Press and hold to quickly increase or decrease the date settings.
- Press OK to save or Cancel to disregard the changes.

XM Categories

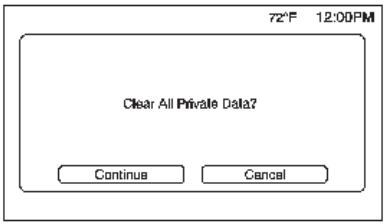


Press to display a list of XM categories. Press Restore All if categories have been removed from the display.

Clear All Private Data

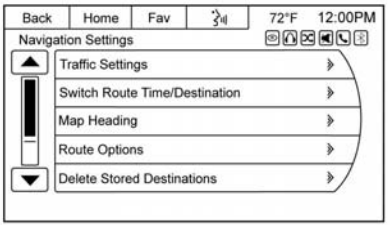


Press to delete stored personal data such as saved destinations, phone contacts, and audio favorites.

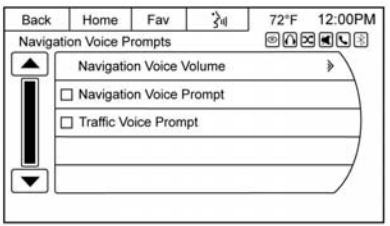


A pop-up message displays, Clear All Private Data? Press the Continue screen button to delete the data, or the Cancel screen button to cancel the delete function.

Navigation Settings



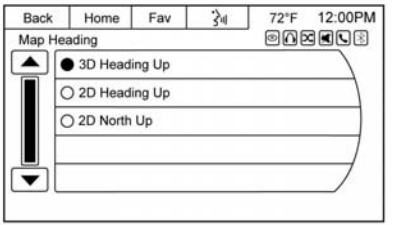
Select to make changes to the following options:



Navigation Voice Prompts: The Voice Prompt Menu allows changes to the voice prompt features.

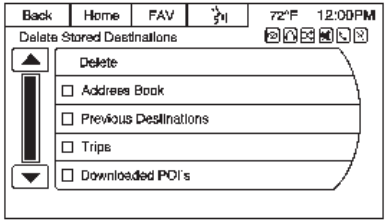
Traffic Settings: Press to enable or disable the traffic feature.

Switch Route Time/Destination: Select this button to switch the nav map display arrival time and mileage between waypoints and final destination.

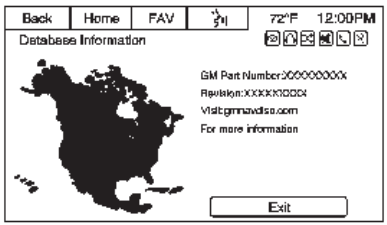


Map Heading: Select to choose between North up, Heading up, or 3D views while navigating.

Route Options: Press to display the various route option preferences.



Delete Stored Destinations: Press the Delete screen button to erase all items under the checked list.



Database Information: Press to display the information about the infotainment system installed on the vehicle.

SiriusXM® NavTraffic (If Equipped)

The navigation system might have a NavTraffic receiver. It is a subscription service provided through SiriusXM Satellite Radio. A service fee is required to receive the NavTraffic service. Real-time traffic information is provided to fully integrate the navigation system to display current traffic conditions for the chosen route. See “Traffic Settings” in this section.

A screen displays to indicate if the SiriusXM NavTraffic subscription is not activated.

If activated, traffic information displays:

- Unscheduled traffic incident data, such as accidents and disabled vehicles.
- Scheduled traffic incident data, such as road construction and road closures.
- Traffic flow information (rate of speed data). Flow data might not be available in all markets.

Traffic information is delivered to the vehicle by the SiriusXM Radio satellites. NavTraffic provides continuously updated traffic information.

NavTraffic currently broadcasts the traffic information for many markets nationally. The service may be available in more cities in the future. See www.xmnavtraffic.com for details on local coverage.

Traffic Settings

Press to display the Traffic menu.

Traffic Enabled: Press to enable or disable the traffic feature.

Alert Prompts: Press to enable or disable the traffic voice prompts.

Alert Popups: Press to enable or disable pop-up messages about traffic.

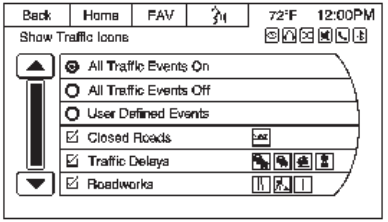
Alert Popups While Not in Guidance: Press to enable or disable while not in guidance mode.

Traffic Guidance: Press to enable or disable Dynamic Guidance. If Dynamic Guidance is enabled, choose Automatic Recalculation or Recalculation After Confirmation.

Automatic Recalculation: If enabled and a route with fewer traffic delays is found, the system will automatically recalculate without user confirmation.

Recalculation After Confirmation: If enabled, the system will provide a pop-up if a possible guidance route is available to detour around traffic events on the route. Select Yes from the pop-up and the new route will be calculated. SiriusXM NavTraffic information might not be provided for the alternate route, depending on what type of road the vehicle is traveling.

Show Icons On Map: Press to display traffic icons on the map.



- All Traffic Icons On: Press to enable display of all traffic icons on the map.
- All Traffic Icons Off: Press to disable display of all traffic icons on the map.
- User Defined: Press to define the individual types of icons displayed for traffic flow and traffic conditions such as Advisories, Closed Roads, Incidents, Traffic Delays, or Other.

Show Flow Status On Map

The traffic flow status will display in green, yellow, or red lines beside the road. You can select All Flows On, All Flows Off, or User Defined which allows you to pick any one of the flow lines to display.

- Red indicates significantly impaired traffic flow with average speed of less than 40 km/h (25 mph).
- Yellow indicates slightly impaired traffic flow with average speed between 40 km/h and 73 km/h (25 and 45 mph).
- Green indicates normal traffic flow with average speed above 73 km/h (45 mph).

Traffic Conditions

The following traffic condition icons may display:

Stopped Traffic

Traffic Jam

Accident

Road Closed

Lane Narrows

Road Work, Construction

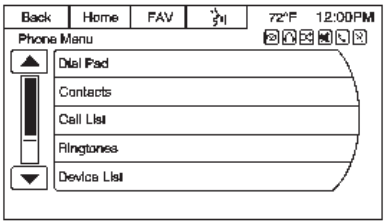
Alert

Road Condition

Road Visibility

Other

Phone Menu



Press to display options for setting the phone. If no phone is connected, this option will be grayed out. See *Bluetooth on page 79* for more information on phone settings.

Create “AS IS” information file

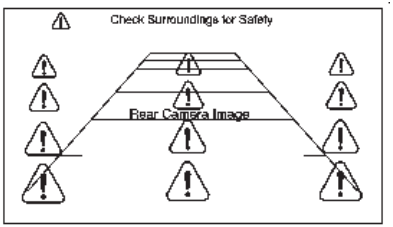
This feature is used by the dealership.

Open Source Software

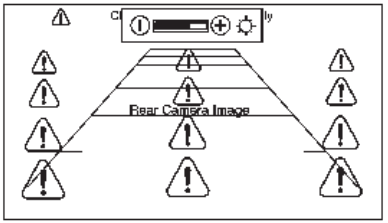
Press to display software information.

Rear Camera (If Equipped)

The Rear Vision Camera can assist when backing up by displaying a view of the area behind the vehicle.



When the shift lever is placed in R (Reverse), an image appears on the system’s screen so that the driver can check the surroundings for safety.



Touch the screen to make the brightness controls appear. Adjust the brightness by pressing the – or + icons. The vehicle needs to be in the night mode. See “Rear Vision Camera (RVC)” in the owner manual.

Low Fuel Alert (If Equipped)

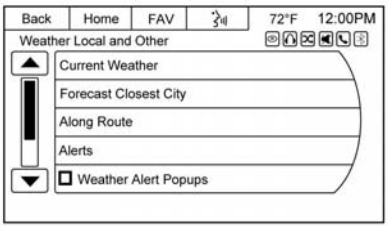
If the vehicle reaches a low fuel level, the system displays an alert about the low fuel condition. Press the Nearby Gas Stations or Dismiss screen button to view nearby gas stations, and start guidance if desired.

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

Weather (If Equipped)

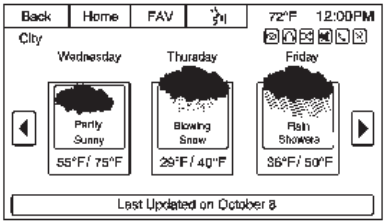
From the Home Page, press the Weather icon. The system displays the current weather condition in the city of the vehicle’s current location. Press the Menu button for more options.

Current Weather



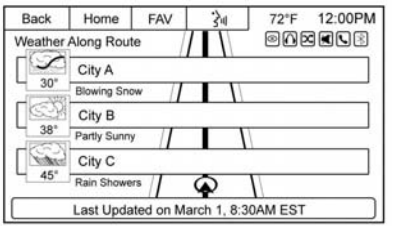
Press to go back to the first page displaying current weather. It may take some time for current weather to update.

Forecast Closest City



Press to show the extended forecast for the next few days.

Along Route



If a destination is set, there is the option to view weather conditions for up to three locations along the route:

- Current vehicle position.
- Midway point from current position to final destination.
- Current weather condition of the destination city.

Alerts

From the XM Weather Menu, press the Alerts screen button to display any current weather advisory warnings in effect near the current position. If there are no warnings, this button will be grayed out.

Weather Alert Popups

Select this option to display any weather advisory warning messages in the area.

Current Other

Press to display the enter location screen. Select a state and city and the current weather will be displayed for that location.

Forecast Other

Press to display the enter location screen. Select a state and city and the forecasted weather will be displayed for that location.

Change Other Location: Select state from the keyboard and city from the list.

Change Other From Map: Press anywhere on the map to select the weather of the nearest city/weather station.

Bluetooth Phone/ Devices

Bluetooth

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 address book or contact list with the vehicle. Not all phones are compatible for contacts list downloading.
- Control of and playback of Pandora and Stitcher applications.
- Audio streaming.
- Playback and viewing of text messages. Not all phones are compatible with text messaging from the radio.

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.
- See “Deleting a Paired Phone” in this section.

⚠ Warning

When using a cell phone, it can be distracting to look too long or too often at the screen of the

(Continued)

Warning (Continued)

phone or the infotainment system. Taking your eyes off the road too long or too often could cause a crash resulting in injury or death. Focus your attention on driving.

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.
- Press and hold to initiate phone’s voice control.

Infotainment System Controls

For information about how to navigate the menu system using the infotainment controls, see *Overview on page 5*.

Using Voice Recognition

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

To use voice recognition, press on the steering wheel.

If you know the command you would like to execute, say the command. If the command is not known, say “Help” while in any voice recognition menu.

See *Voice Recognition on page 63*.

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.

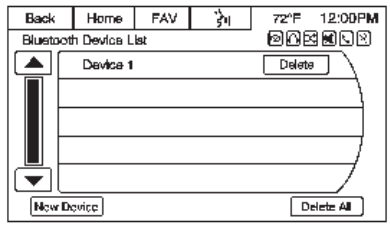
How to Speak: Speak clearly in a calm and natural voice.

Audio System

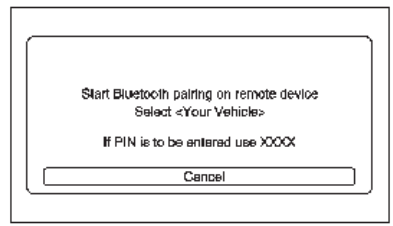
When using the Bluetooth system, sound comes through the vehicle's front audio system speakers and overrides the audio system. Use the volume bar during a call to change the volume level. The adjusted volume level remains in memory for later calls. The system maintains a minimum volume level.

Pairing a New Bluetooth Device

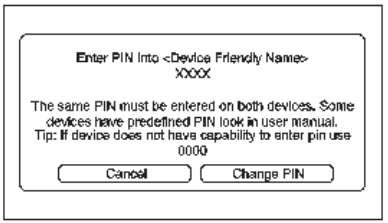
1. Press the Settings screen button on the Home Page to access the Settings menu. Press Bluetooth Device List from the Settings menu to display the devices that have been connected previously. From this screen, either delete or add more devices.



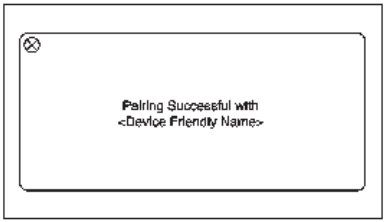
2. Press the New Device screen button to start the process of adding a new Bluetooth device to the radio system.
3. Once New Device is pressed, the radio becomes discoverable for three minutes. A four or six-digit Personal Identification Number (PIN) appears on the display.
4. Start the pairing process on the device to be paired to the vehicle. See the device manufacturer's user guide for information.
5. When the radio is discovered, the screen changes to the pairing screen. If the Bluetooth device does not connect to the radio within 60 seconds, the screen times out, returns to the Bluetooth Device List, and cancels the discoverable process.



6. During the start of the pairing process, a pop-up screen will display on the Bluetooth device asking to select <Your Vehicle>. If a PIN is to be entered, use XXXX. Enter the PIN into the Bluetooth device.



7. Once the radio is selected from the Bluetooth device, the same PIN must be entered to continue the pairing process. Press the Change PIN screen button to enter a matching PIN. The keypad screen displays to complete this function.
8. An automatic six-digit PIN may appear on newer phones. Look for the same number to match on both the radio and the device being paired. Select YES on the radio and device if required to complete the pairing process.



9. A pop-up displays to confirm the pairing was successful.
10. After initial pairing, a pop-up on the device may appear to accept and allow the radio permission to download the phone device phone/address book for later use and to access text messaging. Press Always Accept, if offered on the device, for normal use. No other paired device can see this information on the other device. This information is also not accessible if the device from which this information originated is not currently paired, in range, and connected.
11. For BlackBerry devices, turn off the Automatic Echo control from within the Device menu in the phone. Leaving this feature on can cause noise problems during hands-free calls.

For information about how to navigate the menu system using the infotainment controls, see *Overview on page 5*.

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 your 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, if available. See “OnStar” in the owner manual.

Pairing Information

- Up to 10 cell phones can be paired to the Bluetooth system. Up to a total of 10,000 phone contacts and numbers can be stored across 10 paired phones.
- The system will attempt to connect to the last known connected device if multiple paired devices are in range of the 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.
- Only one paired cell phone can be connected to the Bluetooth system at a 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 last connected. The radio will attempt to connect to the last connected device to the system. To link to a different paired phone, see “Connecting to a Different Phone” later in this section.

Pairing a Phone

Pairing is not allowed while the vehicle is in motion.

1. Select Settings from the Home Page, or say, “Pair Phone” after starting a voice recognition session.
2. Select Bluetooth Device List.
3. Select New Device (Phone). A four or six-digit Personal Identification Number (PIN) appears on the display.
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 named in the list on the cell phone. Follow the instructions on the cell phone to enter and confirm the PIN provided in Step 3. After the PIN is entered, the system prompts you to indicate whether pairing was successful. The name of the paired device depends on the device and how it is set up. The radio will automatically use the vehicle name. The system responds with “<Phone name> has been successfully paired” after the pairing process is complete.
6. If Yes is selected in Step 5, a message will pop up on the radio screen saying, “Pairing successful with <phone name>.” A pop-up message on the phone may display stating the radio may need to be allowed to have access to your Contacts and Text Messages.

7. If No is pressed in Step 5, a message will pop up on the radio screen saying that the pairing was unsuccessful.
8. Repeat Steps 1–5 to pair additional phones.

While the phone is connected, the Bluetooth icon on the upper right corner of the radio will be highlighted and the signal strength and battery life of the phone will be displayed.

The current connected phone would have a checkmark in the box to the left of the device.

Listing All Paired and Connected Phones

1. Select Settings from the Home Page.
2. Select Bluetooth Device List.

Deleting a Paired Phone

1. Select Settings from the Home Page.
2. Select Bluetooth Device List.
3. Press the Delete button next to the listed device and follow the on-screen prompts.

It is recommended to delete the paired vehicle from the phone.

Connecting to a Different Phone

To link to a different phone, the new phone must be in the vehicle and available to be connected to the Bluetooth system before the process is started.

1. Select Settings from the Home Page.
2. Select Bluetooth Device List.
3. Select the new phone to link to and follow the on-screen prompts.

Making a Call Using the Phone Book Contacts and Call List

For cell phones that support the phone book feature, the Bluetooth system can use the contacts stored on your cell phone to make calls. See your cell phone manufacturer's user guide or contact your wireless provider to find out if this feature is supported by your phone. Also see, "Pairing a New Bluetooth Device" earlier in this section.

When using voice recognition to call a contact, the voice command must match how the contact is stored in the phone.

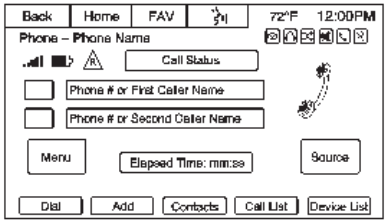
When a cell phone supports the phone book feature, the Contacts and Call List menus are automatically available. There may be a delay for this information to appear, especially after first pairing of the device. This depends on how many contact entries are stored in the phone.

The Contacts menu allows you to access the contacts stored in the cell phone to make a call.

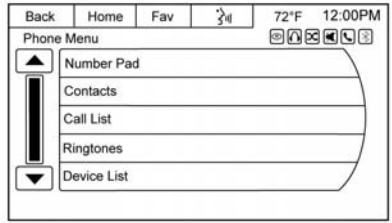
The Call List menu allows you to access the phone numbers from the Incoming Calls, Outgoing Calls, and Missed Calls menus on your cell phone to make a call.

To make a call using the Contacts menu:

1. Press the Phone icon on the Home Page to display the Phone main menu.



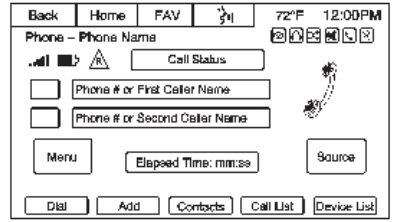
2. Press the Menu screen button to select Contacts or press the Contacts screen button on the lower bar of the Phone screen.



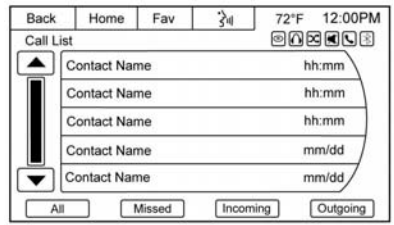
3. Search through the Contacts list by selecting the letter group the contact entry begins with. The screen scroll button or the PUSH/SEL knob can be used.
4. Select the name or number you want to call.
5. Depending on how the contact is stored in the phone, the radio may show multiple contact numbers. Select the desired number to call.

To make a call using the Call List menu:

1. Press the Phone icon on the Home Page to display the Phone main menu.

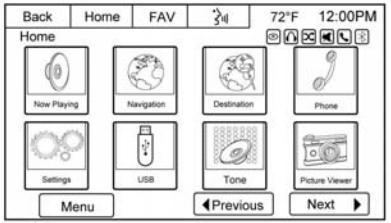


2. Press the Menu screen button to select Call List or press the Call List screen button on the lower bar of the Phone screen.



3. Select the Incoming Calls, Outgoing Calls, or Missed Calls list.
4. Select the name or number you want to call.

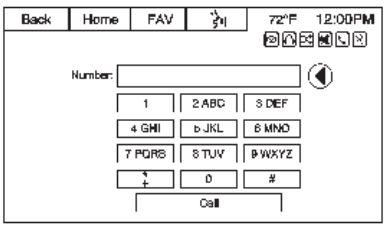
Making a Call



Press the Phone icon on the Home Page to display the Phone screen.

Enter Number

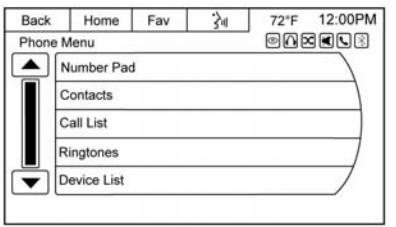
Use this option to enter a phone number and make a call.



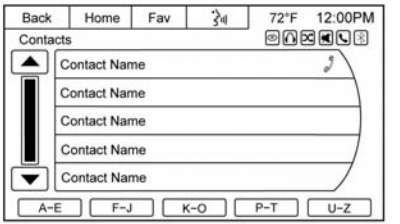
1. Press the Menu screen button to select the Dial Pad or press the Dial screen button on the lower bar of the Phone screen.
2. Enter the phone number by pressing the numbers on the keypad.
3. Press the Call screen button to make the call.

Phone Book

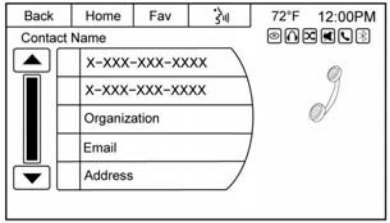
The Phone Book feature is only supported if it is available on the Bluetooth phone. See your cell phone manufacturer's user guide for more information.



1. Select Contacts from the Phone Menu or press the Contacts screen button on the lower bar of the Phone screen.



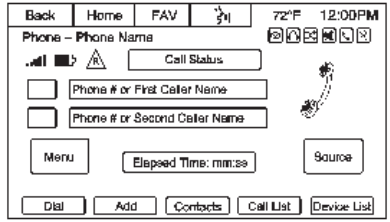
2. Turn the PUSH/SEL knob to scroll through the contacts list in the specified letter group.
3. Press the PUSH/SEL knob to select the desired contact.



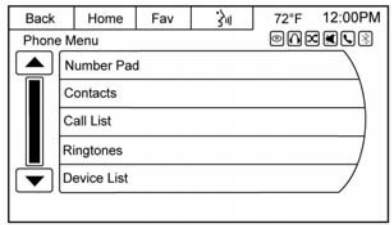
4. Select the person or place to call.
5. Press the PUSH/SEL knob or the number on the screen to make the call.

Call Lists

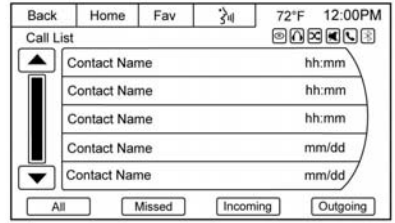
The Call List selection from the Phone menu screen can be used to show a list of incoming calls, outgoing calls, and missed calls.



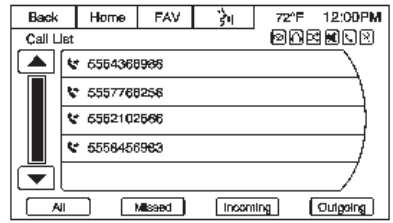
1. Press the Menu screen button.



2. Select the Call List screen button or Call List screen button on the lower bar of the Phone screen.



3. Select either All, Missed, Incoming, or Outgoing calls. The PUSH/SEL knob can be used to scroll through the call list.

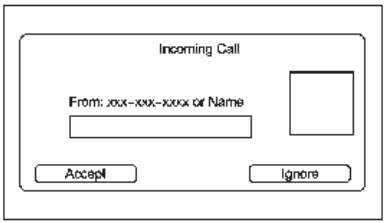


Once one of these options has been selected, a menu displays a list of contacts and numbers.

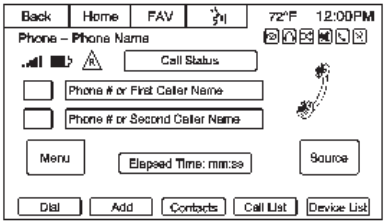
Turn the PUSH/SEL knob to scroll through the list. Press it to place a call.

Accepting or Declining an Incoming Call

When an incoming call is received, the audio is muted and a ring tone sounds.



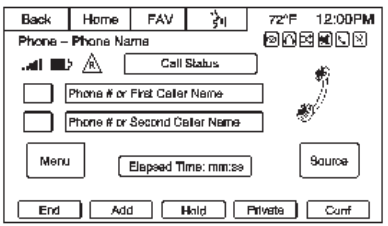
Press Accept to answer the call or press Ignore to disregard the incoming call.



If the call is accepted, a Phone Information screen displays.

Call Waiting

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



While a call is active, the screen buttons at the bottom change to make alternate functions available. Press the Hold screen button to place the active call on hold.

Swapping Calls

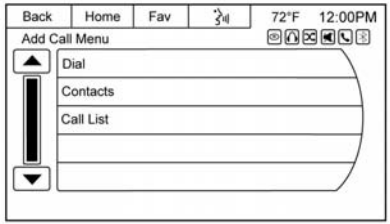
This feature allows swapping between two active calls. This feature is grayed out during a conference call.

Conference Calling

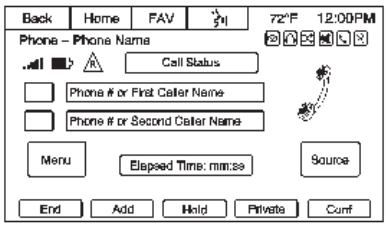
Conference and three-way calling must be supported on the Bluetooth phone and enabled by the wireless service carrier to work.

To start a conference while in a current call:

1. Press the Phone screen button on the Home Page until the Phone main screen is shown with the current active call.



2. Press the Add screen button at the bottom of the screen to enter the Add Call Menu.



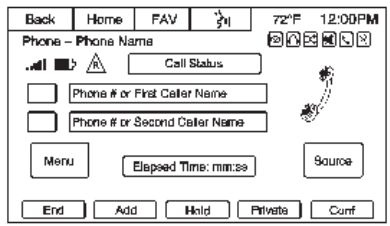
3. Make another call. The first call will be placed on hold while the second call is dialing and connected.

4. To make a conference call, select the Conf screen button on the Phone main screen and both calls merge into one conference call.

Ending a Call

To end a call:

1. Press the Phone screen button on the Home Page to display the Phone screen.
2. While a call is active, the Dial screen button at the bottom of the Phone screen changes to End.

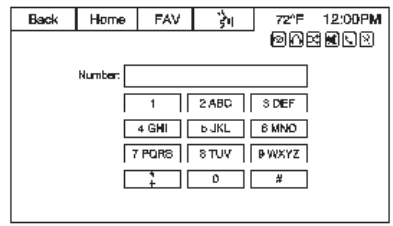


3. Press the End screen button or ☎/▽ on the steering wheel controls to end the call.

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. While in a call and on the phone screen, press the Number Pad button.

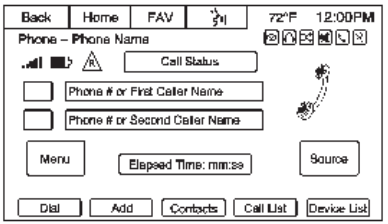


2. Press digits corresponding to the DTMF tones to be sent.

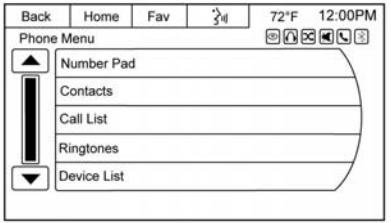
The DTMF tones will be generated on the network as you enter each number.

Ringtones

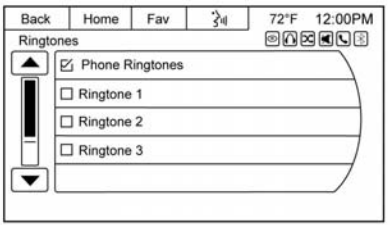
The phone must support in-band ringtones for this feature to work. In-band ringtone is the phone's internal ringtone. Three radio ringtones are available for phones that do not support in-band ringtones.



1. Press the Phone screen button on the Home Page to display the Phone screen.

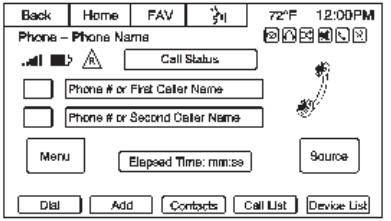


2. Press the Menu screen button to display the Phone Menu.

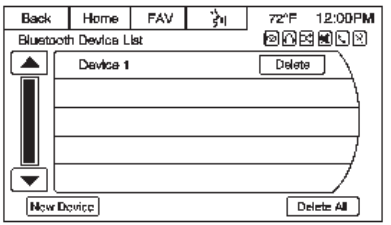


3. Press Ringtones to display the Ringtones menu. This line item is only available for phones that support in-band ringtones.

Device List

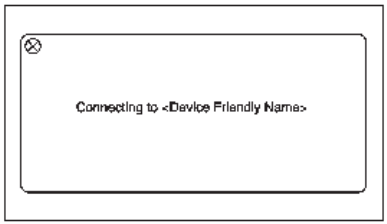


1. Press the Phone screen button on the Home Page to display the Phone screen.



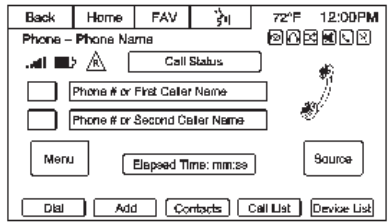
2. Press Device List from the main Phone screen or press Menu and select Device List. Bluetooth

Device List displays all the devices connected to the vehicle.

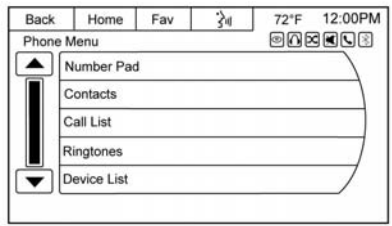


3. Press the desired device to connect. The pop-up display should show until the device is connected. The Contact and Call history is downloaded in the background while the device is connecting.

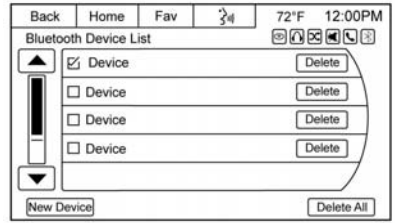
Deleting a Bluetooth Device



1. Press the Menu screen button from the Phone main menu to display the Phone Menu screen.



2. Press the Device List option to display the Bluetooth Device List.



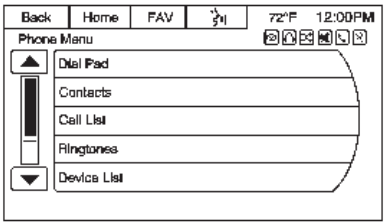
3. Select the device, then press the Delete screen button associated with the selected device.
4. To delete all devices, press the Delete All screen button at the bottom of the display.

Text Messaging

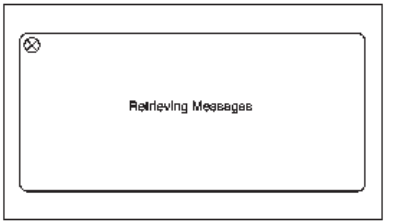
For vehicles equipped with Bluetooth capability (Message Access Protocol), the system can display text messages, play back a message over the audio system, and send a predefined message. Not all phones support all functions and work with Bluetooth. The radio only supports the receipt of SMS text messages. A request may need

to accepted on the phone or some phone settings may need to be changed to allow for text messaging to function. See the cell phone manufacturer's user guide. Text messaging features can also be initiated via voice recognition. Users can play, reply, and forward a message through voice recognition.

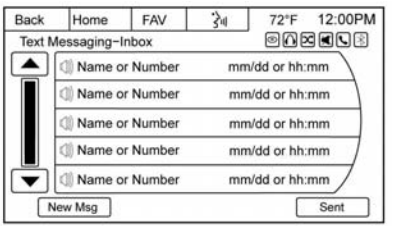
Using Text Messaging



1. Press the Text Messaging icon on the Home Page or press the Menu screen button on the Phone main screen to go to the Phone Menu and select Text Messaging. The Text Messaging icon on the Home Page and Phone Menu item are grayed out if not supported by the Bluetooth connected device.

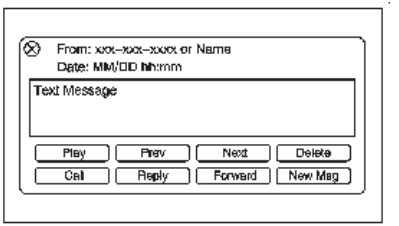


2. A pop-up message displays stating, "Retrieving Messages."



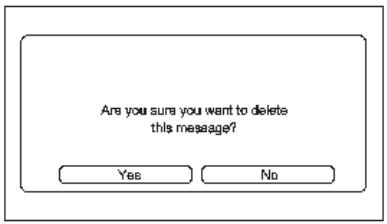
3. Once all messages are retrieved, the Text Messaging-Inbox displays.

Select a message for viewing or press the speaker icon to the left of the Name or Number to play back the message through the audio system. Viewing messages is only available while the vehicle is not in motion. Press the Sent screen button to view a list of sent messages. Not all phones allow access to previous messages.

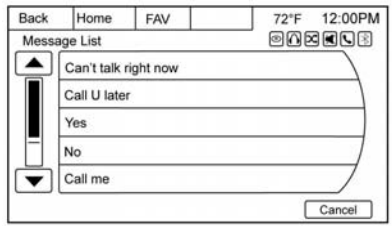


4. View the message or press the Play screen button to hear the message through the vehicle's speakers. The message view screen is locked while the vehicle is in motion.

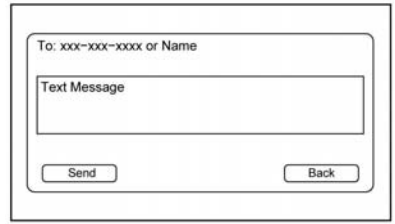
- Press the Call screen button to dial or call the contact or number who sent the text. Not all phones allow calling of the message sender.
- Press the Prev or Next screen button to display the previous or next message from the message list.



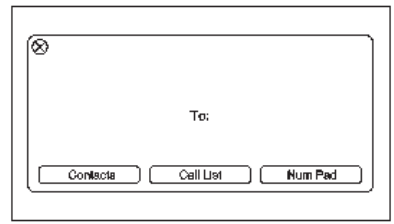
- Press the Delete screen button and a pop-up message displays. Press Yes to delete the message or No to return to the previous screen. Not all phones allow message deletion.
- Press the Reply screen button to reply to a text message that was received as an incoming message. Not all phones allow message sending.



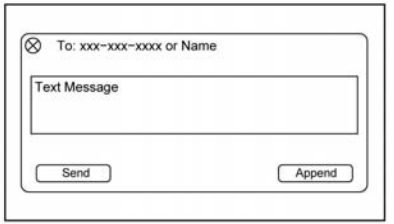
- Select the desired message from the display of predefined messages to send as the reply message.



- Press Send to send that message.

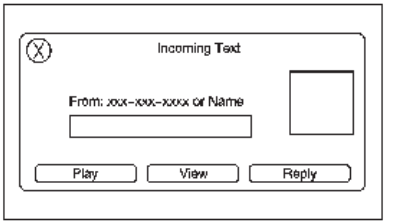


- Press the Forward screen button to forward the message. The addressee screen is displayed, giving the option to forward the message by pressing either the Contacts, Call List, or Num Pad screen button.



- Press the Send screen button from the forwarding confirmation send screen or press Append to add a predefined message to the forwarded message.
- Press the New Msg screen button to create and send a new message. A screen displays a choice of selecting Contacts, Call List, or Num Pad to help you choose the desired number.
- Select the number to send a predefined message. From the predefined message list, select the message you want.
- Press Send.

Incoming Text Messages



A pop-up screen is displayed when there is an incoming text. The pop-up will remain on the screen for three minutes without interaction.

- Press Play to hear the message through voice recognition.
- Press View to view the message. Viewing is not available while the vehicle is in motion.
- Press Reply to reply to the message.
- Press X to close the Incoming Text pop-up screen.

Text Messaging Settings

Text Messaging settings are available from the Settings Home Page icon.

- Select Text Message Options from the Settings menu list.
- Select Incoming Text Alert from the Text Message Options menu list to enable/disable the new incoming message display pop-up and alert sound.
- Select Append Text Signature from the Text Message Options menu list to enable/disable the vehicle signature appended to messages sent from the radio ("Sent from my <Brand> <Model>").

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