

2019



Cascada Infotainment System



buick.com

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Introduction

Infotainment



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For vehicles first sold in Canada, substitute the name General Motors of Canada Company for Buick Motor Division wherever it appears in this manual.

Litho in U.S.A.

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The information in this manual supplements the owner's 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's manual in the vehicle, so it will be there if it is needed. If the vehicle is sold, leave this manual in the vehicle.

Overview

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. 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 system operation, center stack controls, and infotainment display.
- Set up the audio by presetting favorite stations, setting the tone, and adjusting the speakers.
- Set up cell phone numbers in advance so they can be called easily by pressing a single control or by using a single voice command.

See Distracted Driving in the owner's manual.

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

Customer Assistance

Assistance is available to help with Bluetooth pairing, application downloading and installation, other mobile device interface, and operation support of the infotainment system. Specialists are

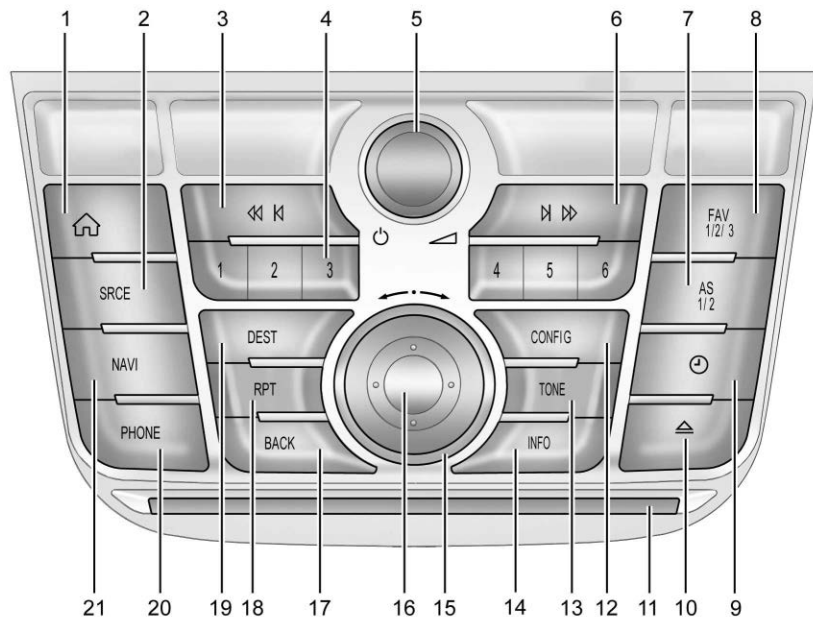
available when calling this Customer Assistance number: 1-855-4SUPPORT (478-7767).

Infotainment System Overview

The infotainment system is controlled by using the center stack controls, infotainment display, steering wheel controls, and voice recognition.

See *Using the System* ⇨ 7.

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1. (Home)
2. SRCE (Source)
3. (Seek Up)

4. Presets 1–6
5. (Power/Volume)
6. (Seek Down)

7. AS 1/2 (Autostore)
8. FAV 1/2/3 (Favorites)
9. (Clock)
10. (Eject)
11. CD Slot
12. CONFIG (Configuration)
13. TONE
14. INFO (Information)
15. (Tune/Menu)
16. Inner Rocker Knob
17. BACK
18. RPT (Repeat)
19. DEST (Destination)
20. PHONE
21. NAVI (Navigation)

Infotainment Center Stack Controls

The controls on the center stack are used to start primary functions while using the infotainment system.

: Press to access the Home Page on the infotainment display. See “Home Page” later in this section.

SRCE : Press to change the audio sources such as AM-FM radio, SiriusXM (if equipped), CD, USB/iPod, Pandora (if equipped), Stitcher, Bluetooth Audio, and AUX. See *AM-FM Radio* ⇨ 13, *Satellite Radio* ⇨ 16 (if equipped), *Pandora Internet Radio* ⇨ 22 (if equipped), *Stitcher Internet Radio* ⇨ 26, *CD Player* ⇨ 32, *Bluetooth Audio* ⇨ 41, or *Auxiliary Devices* ⇨ 40.

⏮⏭:

- AM, FM, or SiriusXM (if equipped): Press to seek to the previous strong station. See *AM-FM Radio* ⇨ 13 or *Satellite Radio* ⇨ 16 (if equipped).
- CD, USB/iPod, Bluetooth Audio, or AUX: Press to seek the beginning of the current or previous track. See *CD Player* ⇨ 32, *Bluetooth Audio* ⇨ 41, or *Auxiliary Devices* ⇨ 40.
- CD, USB/iPod, Bluetooth Audio, or AUX: Press and hold to quickly reverse through a track. Release to return to playing

speed. See *CD Player* ⇨ 32, *Bluetooth Audio* ⇨ 41, or *Auxiliary Devices* ⇨ 40.

Presets 1–6 : The presets numbered one through six can be used to select stored AM-FM stations and SiriusXM channels.

⏻/▶:

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

⏮⏭:

- AM, FM, or SiriusXM (if equipped): Press to seek to the next strong station. See *AM-FM Radio* ⇨ 13 or *Satellite Radio* ⇨ 16 (if equipped).
- CD, USB/iPod, Bluetooth Audio, and AUX: Press to seek to the beginning of the current or next track. See *CD Player* ⇨ 32, *Bluetooth Audio* ⇨ 41, or *Auxiliary Devices* ⇨ 40.

- CD, USB/iPod, Bluetooth Audio, and AUX: Press and hold to fast forward through a track. Release to return to playing speed. See *CD Player* ⇨ 32, *Bluetooth Audio* ⇨ 41, or *Auxiliary Devices* ⇨ 40.

AS 1/2 : Autostore searches and stores FM and AM stations with the strongest signal.

FAV 1/2/3 : Press to display the current page number above the presets. The stored stations for each list display on the preset near the bottom of the display. The number of preset FAV lists can be changed in the Configuration Menu.

NAVI:

1. Press to view the vehicle's current position on the map view.
2. Continue pressing to cycle through the full map view and split map displays.

PHONE : See *Bluetooth* ⇨ 74.

DEST:

1. Press to enter a destination.

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2. If a destination has already been entered, press to access the Destination Menu. See *Destination* ⇨ 50.

RPT : Press to repeat the last voice guidance prompt.

BACK : Press to return to the previous menu.

If on a page accessed directly by a center stack control or Home Page icon, pressing BACK will go to the Home Page.

Inner Rocker Knob : Move the rocker knob in different directions to navigate through the map display only.

↔ : Turn to highlight a feature. Press the outer chrome ring to activate the highlighted feature.

Toggle the inner directional rocker knob to navigate through a map display only.

INFO : Press to toggle through an audio or navigation information display.

TONE : Press to access the sound menu to adjust bass, midrange, and treble. See *AM-FM Radio* ⇨ 13.

CONFIG : Press to adjust features for audio, navigation, display, phone, vehicle, and time. See *Configure Menu* ⇨ 59.

⏏ : Press to eject a disc from the CD player. See *CD Player* ⇨ 32.

⌚ : Press to adjust the time.

Autostore

To use Autostore:

1. Press SRCE to select FM or AM.
2. Press AS 1/2 for two seconds.
3. The radio searches and automatically stores the six strongest stations.

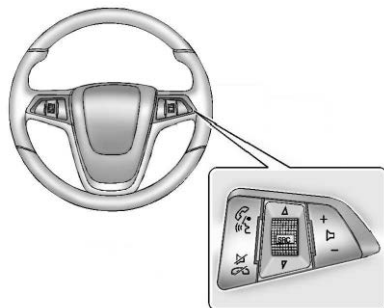
Press AS 1/2 to alternate between the Autostore stations and favorites.

Autostore does not delete previously stored favorite stations.

Autostore does not function with SiriusXM radio channels.

Steering Wheel Controls

Depending on the vehicle options, some audio functions can be controlled through the steering wheel controls.



☎ / : Press to answer an incoming call, interact with Bluetooth, or start voice recognition. See *Bluetooth* ⇨ 74 or *Voice Recognition* ⇨ 68.

⏏ / : Press to decline an incoming call or to end a current call. Press to mute the vehicle speakers while using the

infotainment system. Press again to unmute. Press to cancel voice recognition.

△ **SRC** ▽ : Press to select an audio source.

Use the thumbwheel to select the next or previous favorite station, CD, USB, AUX, and Bluetooth Audio. See *AM-FM Radio* ⇨ 13, *Satellite Radio* ⇨ 16 (if equipped), *CD Player* ⇨ 32, *Bluetooth Audio* ⇨ 41, or *Auxiliary Devices* ⇨ 40.

Use △ SRC to skip to the next song or show using Pandora (if equipped) or Stitcher.

See *Pandora Internet Radio* ⇨ 22 or *Stitcher Internet Radio* ⇨ 26.

+ ▢ - : Press + to increase the volume. Press - to decrease.

Using the System

Infotainment Display Features and Commands

The infotainment system is controlled by touching the infotainment display and by using the knobs and other controls.

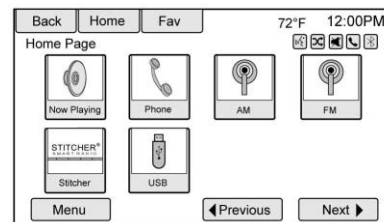
Infotainment display features and commands are on the display and highlighted when a feature is available. Some toggle features highlight when active and gray out when inactive.

Controls and knobs on the center stack are used by pressing and/or turning to access features on the infotainment system.

Voice recognition, through the steering wheel controls, can be used to control the infotainment features.

Press  /  on the steering wheel controls to begin voice recognition. See *Voice Recognition* ⇨ 68.

Home Page



Infotainment Display

The Home Page allows access to many of the features.

Back : Touch to return to the previous page.

Home : Touch to go back to the Home Page.

Fav : Touch to display a page of stored (favorite) AM-FM stations or SiriusXM (if equipped) channels. Keep touching Fav to scroll through the favorite pages.

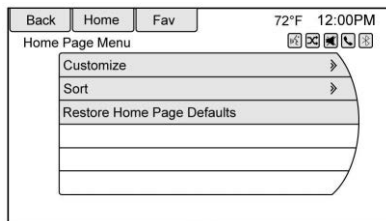
More ► : This option may display depending on the number of features stored on the Home Page. Touch to go to the next page.

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◀ **Previous** : Touch to go to the previous page.

Next ▶ : Touch to go to the next page.

Home Page Customization



The first Home Page can be customized.

To add icons:

1. Touch Menu.
2. Touch Customize.
3. Touch an icon to add or remove from the first Home Page. A ● indicates it will be displayed. The maximum number of icons on the Home Page is eight.

4. Touch Done.

To move icons:

1. Touch Sort.
2. Touch to display an icon to move and swap with another icon on the first Home Page only.

3. Touch Done.

To restore Home Page 1 defaults:

1. Touch Menu.
2. Touch Restore Home Page Defaults.
3. Touch Yes or Cancel.

Home Page Features

Infotainment display icons are highlighted when a feature is available.

Various functions are disabled when the vehicle is moving.



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

See *AM-FM Radio* ⇨ 13, *Satellite Radio* ⇨ 16, *CD Player* ⇨ 32, *Pandora Internet Radio* ⇨ 22, *Stitcher Internet Radio* ⇨ 26, and *Auxiliary Devices* ⇨ 40.



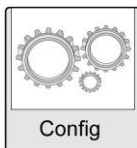
Touch Navigation to display a map of your current vehicle position. See *Using the Navigation System* ⇨ 44, *Maps* ⇨ 47, *Navigation Symbols* ⇨ 48, and *Configure Menu* ⇨ 59.



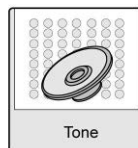
Touch Destination to display the Destination Entry main page or the Destination Menu. The available icons provide access to a variety of ways to enter a destination. See *Destination* ⇨ 50.



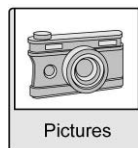
Touch Phone to display the Phone main page. See *Bluetooth* ⇨ 74.



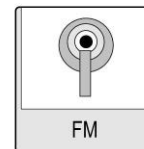
Touch Config to display the Config main page. From this display, adjust features such as time and date, audio, phone, navigation, vehicle, and display. See *Configure Menu* ⇨ 59.



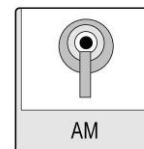
Touch Tone to display the Tone main page. Adjust the tone and speakers by touching the display options to change the levels of sound for treble, midrange, bass, fade, and balance. See *AM-FM Radio* ⇨ 13.



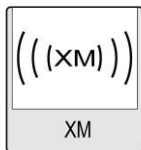
Touch Pictures to view pictures on your USB device or SD card. Pictures on the SD card can only be viewed through a USB adapter. See *Pictures* ⇨ 30.



Touch FM to display the FM main page and play the current or last tuned FM station. See *AM-FM Radio* ⇨ 13.



Touch AM to display the AM main page and play the current or last tuned AM station. See *AM-FM Radio* ⇨ 13.



Touch XM (if equipped) to display the SXM main page and play the current or last tuned SiriusXM channel.

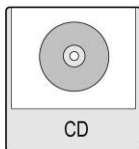
See *AM-FM Radio* ⇨ 13 and *Satellite Radio* ⇨ 16.



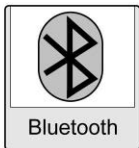
Touch Pandora (if equipped) to display the Pandora main page and stream personalized radio stations based on artists, songs, genres, and comedians. See *Pandora Internet Radio* ⇨ 22.



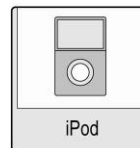
Touch Stitcher (if equipped) to display the Stitcher main page and stream news, sports, and entertainment shows through the audio system. See *Stitcher Internet Radio* ⇨ 26.



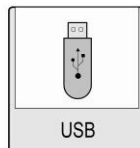
Touch CD to display the CD main page and play the current or last CD track selected. See *CD Player* ⇨ 32.



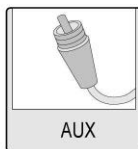
Touch  Bluetooth to display the Bluetooth Audio main page to play music through a Bluetooth device. See *Bluetooth Audio* ⇨ 41.



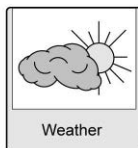
Touch iPod to display the iPod main page and play the current or last track selected. See *Auxiliary Devices* ⇨ 40.



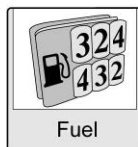
Touch USB to display the USB main page and play the current or last track selected. See *Auxiliary Devices* ⇨ 40.



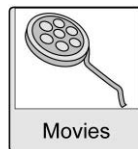
Touch AUX to access any connected auxiliary device. See *Auxiliary Devices* ⇨ 40.



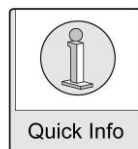
Touch Weather (if equipped) to display the weather main page. Touch other weather-related options from that list. See "SiriusXM Travel Link Weather" under *Satellite Radio* ⇨ 16.



Touch Fuel (if equipped) to display detailed nationwide fuel pricing. See "SiriusXM Travel Link Fuel Pricing" under *Satellite Radio* ⇨ 16.

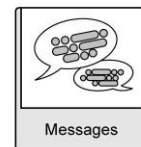


Touch Movies (if equipped) to show details of local movie theater listings, start times, and ratings if available. See "SiriusXM Travel Link Movie Listings" under *Satellite Radio* ⇨ 16.

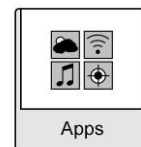


Touch Quick Info to access information on Audio playing, OnStar Turn-by-Turn (if equipped),

5-day Forecast, Nearby Fuel Stations, and Movie Showtimes. See *Quick Info* ⇨ 21.



Touch Messages (if equipped) to display the Text Message Inbox. See *Text Messaging* ⇨ 81.



If equipped, Apps requires a Wi-Fi Internet connection as part of a smartphone or other mobile device data service plan. On most smartphones, activation is in the Config menu under Mobile Network Sharing, Personal Hotspot, Mobile Hotspot, Wi-Fi Hotspot, or similar. After activation of Wi-Fi on the

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smartphone, touch Apps on the Home Page. Follow the prompts to configure the Internet connection and set up an account. See www.buickautomotive.com.

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

See www.buick.com for software updates.

Radio

AM-FM Radio

Playing the Radio

 :

- 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* ⇨ 6.

Radio Operation

The radio will work when the ignition is on or in ACC/ACCESSORY. When the ignition is turned from on to off, the radio will continue to work for 10 minutes or until the driver door is opened.

The radio can be turned on by pressing   on the center stack and will stay on for 10 minutes. Opening the driver door will not turn the radio off when pressing  .

Some radios may stay on longer and reset the time for 10 minutes if there are any additional presses of  .

The radio can be turned off at any time by pressing   on the center stack.

Audio Source

Press SRCE on the center stack or SRC on the steering wheel controls to display and scroll through the available sources such as AM, FM, SiriusXM (if equipped), Pandora (if equipped), Stitcher, CD, USB, AUX, and Bluetooth Audio.

Infotainment System Settings

Tone Settings

To access the tone settings, touch Tone Settings on the Home Page. Tone settings are specific to each source.

The tone settings can also be accessed by pressing TONE on the center stack.

To adjust the settings:

- Bass: Touch + or – to change the level.
- Mid (Midrange): Touch + or – to change the level.
- Treble: Touch + or – to change the level.
- EQ: Press and turn the  knob to cycle through the preset EQ options.
- Fade: Touch F or R for more sound from the front or rear speakers. The middle position balances the sound between the front and rear speakers.
- Balance: Touch L or R for more sound from the left or right speakers. The middle position balances the sound between the left and right speakers.

Finding a Station

Press SRCE on the center stack or press SRC on the steering wheel controls to touch AM, FM, SiriusXM

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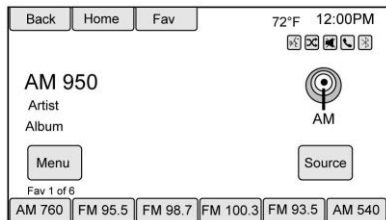
(if equipped), Pandora (if equipped), Stitcher (if equipped), CD, USB, AUX, and Bluetooth Audio.

Turn the  knob to find a radio station. To select a preset station, press FAV 1/2/3 to scroll through the favorite pages and then press a preset on the center stack or touch the display icon.

Seeking a Station

Press  or  to search for a station.

AM

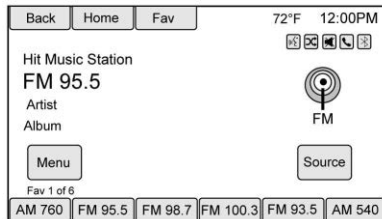


1. Touch AM on the Home Page or select AM by pressing SRCE on the center stack, by pressing SRC on the steering

wheel controls, or by saying “Tune AM” or “AM” through voice recognition.

2. Touch Menu to display the AM stations or categories.
3. Touch an option. To update the station list, touch Refresh.

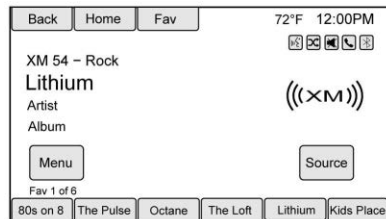
FM



1. Touch FM on the Home Page or select FM by pressing SRCE on the center stack, by or pressing SRC on the steering wheel controls, or by saying “Tune FM” or “FM” through voice recognition.
2. Touch Menu to display the FM stations or categories.

3. Touch an option. To update the station list, touch Refresh.

SiriusXM (If Equipped)



1. Touch XM on the Home Page or select XM by pressing SRCE on the center stack, by pressing SRC on the steering wheel controls, or by saying “Tune XM” or “XM” through voice recognition.
2. Touch Menu to display the XM categories.
3. Touch a category and then turn the  knob to scroll the station list. Touch an option.

Storing Radio Station Presets

Up to 36 preset stations can be stored. AM, FM, and SiriusXM (if equipped) can be mixed.

1. From the AM, FM, or SiriusXM main page, press and hold any of the 1–6 presets on the center stack or one of the presets near the bottom of the infotainment display. After a few seconds, a beep is heard and the new preset information displays on that preset.
2. Repeat for each preset.

Mixed-Band Presets

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

To scroll through the pages, press FAV 1/2/3 on the center stack or touch Fav on the top bar of the infotainment display. The current page number appears above the presets. The stored stations for each favorite page display on the presets.

To change the number of favorite pages displayed:

1. Touch Config on the Home Page.
2. Touch Radio Settings.
3. Touch Number of Favorite Pages.

Recalling a Preset Station

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

- Touch Fav at the top bar of the infotainment display and the preset pop-up will appear. Touch one of the presets to go to the selected preset station.
- In the AM, FM, or SiriusXM (if equipped) main page, touch one of the presets to go to the selected preset station.

Radio Data System (RDS)

RDS features are available for use only on FM stations that broadcast RDS information. With RDS, the radio can:

- Seek to stations broadcasting the selected type of programming.
- Receive announcements concerning local and national emergencies.
- Display messages from radio stations.

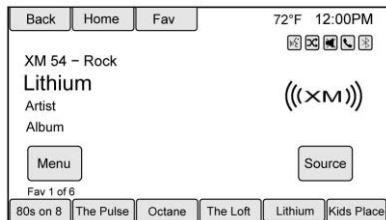
This system relies on receiving specific information from these stations and only works when the information is available. It is possible that a radio station could broadcast incorrect information that causes the radio features to work improperly. If this happens, contact the radio station.

When information is broadcast from the current FM station, the station name or call letters display on the audio screen. RDS can provide a

program type (PTY) for current programming and the name of the program being broadcasted.

Satellite Radio

SiriusXM Satellite Radio

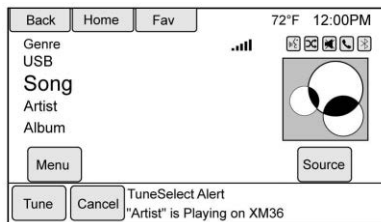


Vehicles with a valid SiriusXM satellite radio subscription can receive SiriusXM programming.

SiriusXM satellite radio has a wide variety of programming and commercial-free music, coast to coast, and in digital-quality sound. In the U.S., see www.siriusxm.com or call 1-866-601-6296. In Canada, see www.siriusxm.ca or call 1-877-438-9677.

When SiriusXM is active, the station name, number, category name, song title, and artist show on the display. SiriusXM may update the background picture at any time.

TuneSelect



An alert will be sent when the radio sees that search criteria on any SiriusXM channel is met and will offer the option to tune to that song or artist. Up to 10 artists and songs can be saved in the TuneSelect list.

To store an Artist or Song:

1. Touch Menu when the Artist or Song is playing on SiriusXM.
2. Touch TuneSelect to access the TuneSelect menu.



3. Touch Save Alert for Artist Playing or Save Alert for Song Playing.
4. Touch OK to confirm.

To turn TuneSelect on or off:

1. Touch Menu when in SiriusXM.
2. Touch TuneSelect.
3. Touch Alerts Active to turn the alerts on or off.

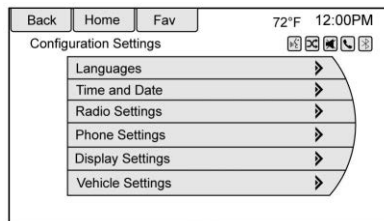
To delete TuneSelect Alerts:

1. Touch Menu when in SiriusXM.
2. Touch Manage TuneSelect.
3. Touch Delete Alerts.
4. Touch the alert to delete.
5. Touch OK to confirm.

SiriusXM Categories

SiriusXM stations are organized in categories.

Adding or Removing XM Categories



To customize which SiriusXM categories are used and displayed in the system:

1. Press CONFIG on the center stack or touch Config on the Home Page.
2. Touch Radio Settings from the Settings Menu list.
3. Touch XM Categories.

4. Select or deselect any category to be used while in the SiriusXM mode. A checkmark will indicate that the category is selected.

Touch Show All XM Categories to restore all SiriusXM categories.

SiriusXM Channel Art

SiriusXM provides updated category background graphics and the radio will automatically update the display. SiriusXM may send updated category graphics to the vehicle. When this happens, the background graphics may appear to be incorrect but the radio will update once all of the graphics have been downloaded from SiriusXM.

To turn SiriusXM channel graphics on or off:

1. Press  on the center stack to go to the Home Page or touch Home on the top bar of the infotainment display.
2. Touch XM on the Home Page.
3. Touch Menu on the XM Now Playing display.

4. Touch the XM Channel Art option to turn on or off.

NavTraffic (If Equipped)

The navigation system may have a SiriusXM NavTraffic receiver. It is a subscription service provided through SiriusXM Satellite Radio. A service fee is required to receive the SiriusXM 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" later in this section.

A message displays to indicate 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.

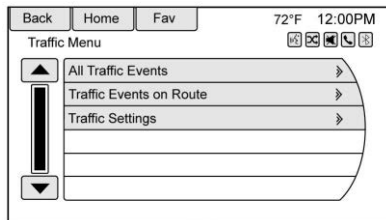
18 Radio

- Traffic flow information (rate of speed data). Flow data may not be available in all markets.

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

SiriusXM 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 more details on local coverage.

To access the traffic features, touch Traffic from the Navigation Menu or map display.



All Traffic Events : Touch to view a list of reported traffic conditions for up to approximately 100 km (70 mi). It could take some time to display the information received.

The information is displayed with an arrow and distance. The arrow indicates the distance is a straight line and the direction of the event from the vehicle's current position.

Traffic Events on Route : Touch to display a list of reported traffic conditions on the current route. The icon is toned down if no route is active.

Traffic Settings : Touch to customize traffic options.

SiriusXM Travel Link (If Available)

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

When subscribed to SiriusXM Travel Link, one or more services may be available:

- **Travel Link Fuel Pricing**: Detailed nationwide fuel pricing information may be available.
- **Travel Link Movie Listings**: Detailed local movie theater listings, start times, and ratings may be available.
- **Travel Link Weather**: National and Local Weather gives current and forecasted weather.

For more detailed information and coverage details on SiriusXM Travel Link see www.siriusxm.com or www.siriusxm.ca.

SiriusXM Travel Link Fuel Pricing

When SiriusXM Travel Link information is available, the system will display a list of fuel stations close to the vehicle location. The list will include the fuel station name, direction, distance, and price. The list can be sorted by distance or price and there are four different fuel types to choose from. As the

vehicle is moving, a direction arrow and distance to fuel station will update. The arrow represents the direction to the gas station from the current vehicle position. The distance represents the straight line distance between the vehicle location and the fuel station.

From the Home Page, touch Fuel. The system will display a list of fuel stations close to the vehicle.

Change the fuel information on the display by touching the Fuel Menu option to:

- Sort Fuel Stations By Price or By Distance: The default sort method is by distance.
- Choose Fuel Type: The available fuel types are Regular (unleaded), Mid-Range, Premium, and Diesel.

For more information on the fuel station, touch the fuel station name. The display will show the fuel station name, address, phone number, distance, amenities, and the last time the fuel price was updated. If a fuel station does not

appear in the list, it may be new or the price may not have been updated in the past 24 hours.

When the fuel station is touched, see *Destination* ⇨ 50 for more information on navigation routing features.

Allow up to five minutes after turning on the vehicle for the fuel information to appear.

SiriusXM Travel Link Movie Listings

When SiriusXM Travel Link information is available, the Movie feature provides movie showtime and theater information for movies close to the vehicle location.

From the Home Page, touch Movies. The system displays the Movie and Theater search page.

To search movies:

- Touch the Movie field to choose a movie name.
- Touch the Theater field to choose a specific theater.

- Touch the Date field to choose which date to search movies and/or theaters.
- Touch Search to view a list of movies or theaters.

When searching by movie, a list of movies will appear. When a movie is touched, a theater list will appear with a direction arrow and distance. The direction and distance will update every 10 seconds as the vehicle is moving. The direction arrow represents the location of the theater from the current vehicle location. The distance represents the straight line distance between the current vehicle location and the theater.

Movie details are available when a movie is touched. Touch the appropriate option to display more information:

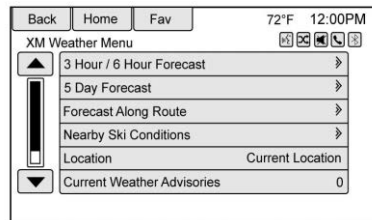
- Cast and Synopsis
- Playtime
- Rating (G, PG-13, R, etc.)
- Theater Name
- Showtimes

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Theater information includes address, phone number, distance, and amenities.

SiriusXM Travel Link Weather

SiriusXM Travel Link Weather uses the same sources that professional pilots and mariners rely on.



From the Home Page, touch Weather. The system displays the SiriusXM Weather Menu. Some options may only be available on vehicles equipped with navigation.

3 Hour / 6 Hour Forecast

The 3 Hour / 6 Hour Forecast page shows the current weather condition in the city of the vehicle's current position.

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

5 Day Forecast

Touch to show the extended 5 Day forecast.

Forecast Along Route

If a destination is set, weather conditions can be viewed for up to three locations along the route:

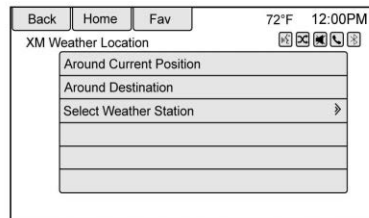
- Current vehicle position
- Midway point from current position to final destination
- Current weather condition of the destination city

Nearby Ski Conditions

Touch to show the nearby weather conditions for skiing.

Location

Touch this option to view weather conditions around or in a specific city entered by name or touched from the map.



The options available are:

- Around Current Position
- Around Destination
- Select Weather Station

Current Weather Advisories

From the XM Weather Menu, touch Current Weather Advisories to display any current weather advisory warnings in effect near the current position.

Troubleshooting

SiriusXM Travel Link services use the SiriusXM Satellite Signal and GPS Satellite Signal to provide this feature.

When the vehicle is started, it can take up to five minutes for the radio to receive the Travel Link services.

Travel Link Messages

No GPS Signal : Move the vehicle into a position that is visible to the sky.

Acquiring Signal : Radio is downloading the activation information or not receiving a good signal. Move the vehicle to open sky and restart the vehicle.

No SXM Signal : Reception is blocked. Move the vehicle into open sky.

Radio Reception

Frequency interference and static can occur during normal radio reception if items such as cell phone chargers, vehicle convenience accessories, and external electronic devices are plugged into the accessory power outlet. If there is interference or static, unplug the item from the accessory power outlet.

FM

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

AM

The range for most AM stations is greater than for FM, especially at night. The longer range can cause station frequencies to interfere with each other. Static can occur when things like storms and power lines interfere with radio reception. When this happens, try reducing the treble on the radio.

SiriusXM Satellite Radio Service

SiriusXM Satellite radio service gives digital radio reception from coast to coast in the 48 contiguous United States, and in Canada. Just as with FM, tall buildings or hills can interfere with satellite radio signals,

causing the sound to fade in and out. In addition, traveling or standing under heavy foliage, bridges, garages, or tunnels may cause loss of the SiriusXM signal for a period of time.

Cell Phone Usage

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

Multi-Band Antenna

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

Quick Info

Quick Info gives access to quick information on Audio playing, OnStar Turn-by-Turn (if equipped), 5-day Forecast, Nearby Fuel Stations, and Movie Showtimes.

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To access, touch Quick Info on the Home Page or press INFO on the center stack. Depending on the system and if the options are available for that region, some options may be grayed out.

Audio Info : Displays information on the current item playing.

5-day Forecast : Displays the 5-day forecast for the weather station closest to the current location. See “SiriusXM Travel Link Weather” in *Satellite Radio* ⇨ 16.

Nearby Fuel Stations : Displays fuel prices and distances for close fuel stations. See “SiriusXM Travel Link Fuel Pricing” in *Satellite Radio* ⇨ 16.

Movie Showtimes : Displays a list of movies playing in the theaters closest to the current location. See “SiriusXM Travel Link Movie Listings” in *Satellite Radio* ⇨ 16.

Pandora Internet Radio

Pandora is a free Internet radio service that streams personalized radio stations based on artists,

songs, genres, and comedians. Create stations using the Pandora website or smartphone application, then use 👍 (thumbs up) or 👎 (thumbs down) to personalize stations. To set up an account, or for more information, see www.pandora.com.

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

To install Pandora:

- On an Android phone or Android Tablet, go to the Android Play Store, and search for Pandora. Install to the phone, not to the SD card.
- On a BlackBerry phone, go to the BlackBerry App 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.

See *Auxiliary Devices* ⇨ 40 or *Bluetooth* ⇨ 74. For first-time use, set up stations before connecting to the vehicle. The Pandora icon will be available on the Home Page and the source pop-up displays if the latest application is installed on the device.

Using an iPhone, iPod touch, or iPad

1. Plug the device into the USB port. The phone display must be unlocked.
2. To launch, do one of the following:
 - Launch the application on the device.
 - Touch Pandora on the Home Page.

- Press  /  and say "Pandora" or "Tune Pandora."
- Accept any notifications on the device screen.

To relaunch Pandora, press SRCE on the center stack or press SRC on the steering wheel controls.

If nothing happens when the available Pandora icon is touched, download the latest Pandora application and retry.

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

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

If Pandora is shut down on the phone or another audio app is used, Pandora may not start on the next ignition cycle. If iPod source is touched, it may show iPod and then switch to Pandora.

Using an Android Phone

1. Pair the Android phone using Bluetooth.
2. Use one of the following to launch:
 - Launch the application on the device.
 - Touch Pandora on the Home Page.
 - Press  /  and say "Pandora" or "Tune Pandora."

After Pandora has been launched, press SRCE on the center stack or press SRC on the steering wheel controls to access Pandora features.

If nothing happens when the available Pandora icon is touched, download the latest Pandora application and retry.

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

If the "Please Unlock the Phone or Restart the App and Try again" message is shown, then the phone may be locked. Unlock the phone, close the app, and then restart the app to ensure proper communication.

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:
 - Launch the application on the device.
 - Touch Pandora on the Home Page.
 - Press  /  and say "Pandora" or "Tune Pandora."

After Pandora has been launched, press SRCE on the center stack or press SRC on the steering wheel controls to access Pandora features.

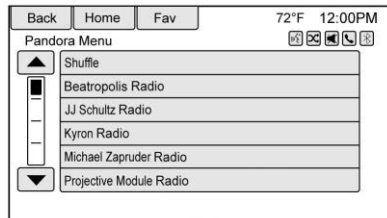
24 Radio

If nothing happens when the available Pandora icon is touched, download the latest Pandora application and retry.

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

If the “Please Unlock the Phone or Restart the App and Try again” message is shown, then your phone may be locked. Unlock the phone, close the app, then restart the app to ensure proper communication.

Pandora Menus



Touch Menu on the Pandora main page.

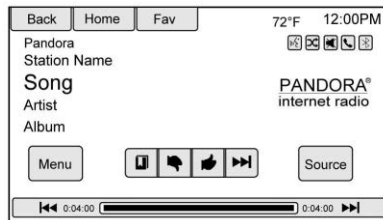
Pandora has a menu system with the following:

Shuffle : Touch to play the stations in random order.

Touch a user-created station to play from the displayed list.

Pandora Features

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



 : Touch while playing a track to bookmark either the track or the artist. Bookmarks are viewable on www.pandora.com.

 : When touched, Pandora stores the information, changes to the next track, and does not play the track on this station again. This helps Pandora choose which tracks

should not play on this station. This feature is only available on user-created stations.

 : When touched, Pandora stores this information and  is highlighted for the remainder of the track. This helps Pandora choose which tracks should play on this station.

 : When touched, Pandora changes to the next track.

 : Touch  on the infotainment display to pause playback. Touch again to resume.

Tuning Pandora Stations : When Pandora is playing, use  /  on the steering wheel to tune to any Pandora station on the device.

1. Press  /  on the steering wheel.
2. Say “Tune Pandora <Classic Rock> Radio.”

Pandora voice control will not work until Pandora is launched the first time during that ignition cycle.

Pandora Skip Limit

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

Pandora Advertisement

Pandora may display advertisements. Artist name and track title will not display and the skip track option is not available.

Switching Between Pandora and Stitcher

To switch between Pandora and Stitcher, touch the application icon on the iPhone, iPod touch, or iPad. This is not required for Android devices. See *Stitcher Internet Radio* ⇨ 26.

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 30 seconds, 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.
- 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 track with the  or  icons, an error message will display. Touch OK to retry.

Loss of Audio

Loss of Pandora audio can happen in different ways:

- Weak or lost data connection.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio lost.
- If any iPhone, iPod touch, or iPad is connected to Bluetooth and the dock connector, go to the Airplay icon on the device and select dock connector or disconnect and reconnect the dock connector on the device.

- The volume is too low. Turn up the volume on the device.
- The battery saver and task manager applications on the phone can cause Pandora to function incorrectly. Remove those apps from the phone or remove Pandora and Bluetooth from the task lists.

If the connection is lost between the application and device, a message "Please Unlock the Phone or Restart the App and Try again" will display. Touch OK to retry.

If touching OK does not clear the issue on the phone, see "Please Unlock the Phone or Restart the App and Try again" under "Common Pandora Messages" following.

Common Pandora Messages

Please See Device : When not logged in or when authentication failed, see the device. Touch OK to continue.

Paused or Audio Paused :

Playback is paused on the radio or on the device. Touch ⏮/⏭ or play on the device.

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

Please Unlock the Phone or Restart the App and Try again :

Communication failure between the radio and the phone application, or the device is locked.

Devices that allow multitasking may require an extra step to quit the Pandora application. Close Pandora on the device and launch again.

Unlock the phone and check that the Home Page shows on the phone/device.

See the cell phone manufacturer's user guide.

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

Stitcher Internet Radio

Stitcher SmartRadio is an Internet radio service that streams news, sports, and entertainment shows through the audio system. Create personalized, on-demand stations or use Stitcher's preset stations. To set up an account, download the application from the Android Market or iTunes Store, or go to www.stitcher.com.

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 on the device is turned up.

BlackBerry phones are not supported for this application.

To install Stitcher:

- On an Android phone or Tablet with Internet connection, go to the Android Play Store, search for Stitcher, and 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 Android through Bluetooth.

See *Auxiliary Devices* ⇨ 40 or *Bluetooth* ⇨ 74. For first-time use, set up the stations before connecting to the vehicle. The Stitcher icon will be available on the Home Page and source pop-up displays if the latest application is installed on the device.

Using an iPhone, iPod touch, or iPad

1. Plug the device into the USB port. The phone screen must be unlocked.
2. Use one of the following to launch:
 - Press the application on the device.
 - Touch Stitcher on the Home Page.

- Press  and say "Stitcher" or "Tune Stitcher."
- Accept any notifications on the device screen.

3. If Stitcher does not begin playing, touch a category and then a station.

After Stitcher has been launched, press SRCE on the center stack or press SRC on the steering wheel controls to access Stitcher features.

If nothing happens when the available Stitcher icon is touched, download the latest Stitcher application and retry.

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 into your account.

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

If the "Please Unlock the Phone or Restart the App and Try again" message is shown, then the phone may be locked. Unlock the phone,

close the app, then restart the app and make sure the home page is visible on the phone/device.

Using an Android Phone

1. Pair the Android phone using Bluetooth.
2. Use one of the following to launch:
 - Press the application on the device.
 - Touch Stitcher on the Home Page.
 - Press  and say "Stitcher" or "Tune Stitcher."
3. If Stitcher does not begin playing, touch a category and then a station.

After Stitcher has been launched, press SRCE on the center stack or press SRC on the steering wheel controls to access Stitcher features.

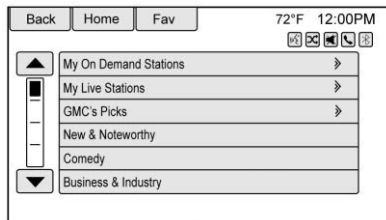
If nothing happens when the available Stitcher icon is touched, download the latest Stitcher application and retry.

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

If the “Please Unlock the Phone or Restart the App and Try again” message is shown, then your phone may be locked. Unlock the phone, close the app, then restart the app to ensure proper communication.

Stitcher Menus



Touch Menu on the Stitcher main page.

Stitcher has a menu system with the following:

My On Demand Stations : Displays a list of favorite stations and shows.

Touch and store programs as favorites on the device. Favorite station lists can be created to include favorite shows which can be accessed through My On Demand Stations.

Stitcher Station Categories : Displays categories by topic.

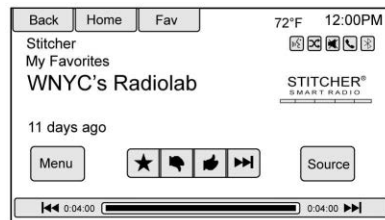
When a category then sub-category is touched, the radio will start playing the first program in that sub-category.

Turn the  knob to display the first 24 stations of that sub-category.

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

Stitcher Features

Stitcher service has features to rate or skip shows, or change stations.



★ : When touched, the current show is added to the favorites station.

🗣️ : When touched, Stitcher changes to the next show. This helps Stitcher provide a personalized listening experience.

👍 : When touched, Stitcher stores this information and 👍 is highlighted for the remainder of the show. This helps Stitcher provide a personalized listening experience.

⏮️ : When touched, Stitcher changes to the next show.

⏸️/⏪ : Touch on the center stack to pause playback. Touch again to resume.

Stitcher Advertisement

Stitcher may display advertisements. Artist name and title may not display and the skip track option is not available.

Switching Between Pandora and Stitcher

To switch between Pandora and Stitcher, touch the application icon on the iPhone, iPod touch, or iPad. This is not required for Android devices. See *Pandora Internet Radio* ⇨ 22.

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 30 seconds, and try to connect the device again.

The battery saver and task manager applications on the phone can cause Stitcher to function incorrectly. Remove those apps from the phone or remove Stitcher and Bluetooth from the task lists.

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.
- 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 and the Home Page is showing.
- 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.

Loss of Audio

Loss of Stitcher audio can happen due to:

- Weak or lost data connection.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio is lost.
- If any iPhone, iPod touch, or iPad is connected to Bluetooth and the dock connector, go to the Airplay icon on the device and select dock connector or disconnect and reconnect the dock connector on the device.
- The 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 the Phone or Restart the App and Try again" will display. Touch OK to retry.

If touching OK does not clear the issue, see "Please Unlock the Phone or Restart the App and Try again" under "Common Stitcher Messages" following.

Common Stitcher Messages

Please Try Again Later : A general error has occurred. A data connection may be unavailable due to a weak or lost signal or the Stitcher service being temporarily down. Touch OK to continue.

Paused or Audio Paused : Playback is paused on the radio or on the device. Touch ⏮ or play on the device.

Please See Device : When the user is not logged in or when authentication failed, see the device. Touch OK to continue.

Disconnect the phone from the radio and follow the Stitcher account login process on the phone.

No Stations Found : The user is logged in but no stations have been created. Touch OK to continue.

Please Choose a New Station : The end of the station has been reached and there is no more content to play. Touch a new station through the Stitcher menu.

Please Unlock the Phone or Restart the App and Try again : Communication failure between the radio and the phone application or the device is locked.

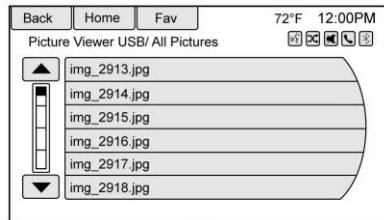
See www.stitcher.com/help for more information. If the service will not work, send an email to feedback@stitcher.com or see your dealer.

Pictures

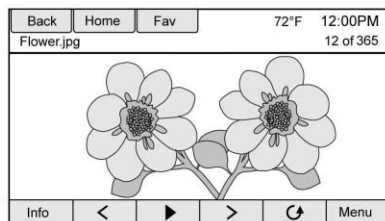
Pictures can only be viewed using USB devices. If pictures are on an SD card, transfer to a USB device or use a USB-SD adapter. A maximum 5Mb uncompressed

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. Touch Pictures on the Home Page.
2. The system does a search to find the picture folders. A "Please wait" message displays until the search is finished.



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



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

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

< : Touch to display a previous picture if not in slide show mode.

► : Touch to toggle between slide show mode and manual mode.

> : Touch to display a next picture if not in slide show mode.

↺ : Touch to manually rotate a picture 90 degrees counterclockwise.

Menu : Touch to open the Picture Viewer Settings screen. Slide Picture Viewer Main, Slideshow

Timer, and Shuffle Images display as options for configuring the view of images stored in the system.

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

Audio Players

Avoiding Untrusted Media Devices

When using media devices such as CDs, DVDs, Blu-ray Discs, SD cards, USB devices, and mobile devices, consider the source. Untrusted media devices could contain files that affect system operation or performance. Avoid use if the content or origin cannot be trusted.

CD Player

The CD player is capable of playing:

- Most audio CDs
- CD-R
- CD-RW
- MP3, unprotected WMA, and AAC formats

When playing any compatible recordable disc, the sound quality may be reduced due to the disc, the

method of recording, the quality of the music recorded, or how the disc has been handled.

There may be increased skipping, difficulty reading recorded tracks, finding tracks, and/or loading and ejecting. If these problems occur, check the disc for damage or try a known good disc.

To avoid damage to the CD player:

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

Loading and Ejecting Discs

To load a disc:

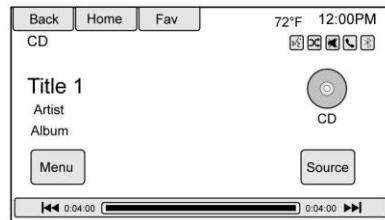
1. Turn the ignition on.

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

The disc automatically plays once loaded.

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

Playing an Audio CD



1. Touch CD on the Home Page or touch CD from the source pop-up to display the CD main page.

2. Touch the Menu icon to display the menu options.
3. Touch an option.

On the CD main page, the track number displays and the Song, Artist, and Album information displays when available.

Use the following radio controls to play the disc:

⏸/⏮ : Use to pause or resume play.

⏮⏮⏮ :

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

⏮⏮⏮ :

- Press to seek to the next track.

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

↔ **Knob** : Turn to the right or left to select the next or previous track. Press the outer ring of this knob to select from the list. If a track is touched from the menu, the system plays the track and returns to the CD display.

Error Messages

If Disc Error displays and/or the disc comes out, it could be because:

- 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 CD player.

If the CD is not playing correctly, try a known good CD.

If any error continues, contact your dealer.

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
- The Artist/Album/Song Titles/Genre information requires a CD to be fully scanned before the music navigator works with these menus

MP3 Music Menu

Touch Menu on the infotainment display while that source is active to access the menu.

Touch any of the following options on the MP3 Menu:

Shuffle Songs : Touch to play the tracks randomly. Touch again to stop shuffle.

Play Lists : Touch to view the playlists stored on the disc. Touch a playlist to view the list of All Songs in that playlist. There might be a delay before the list displays. Touch a song from the list to begin playback.

Artists : Touch to view the list of artists stored on the disc. Touch an artist name to view a list of All Songs by the artist. There might be a delay before the list displays. Touch a song from the list to begin playback.

Albums : Touch to view the albums on the disc. Touch the album to view a list of all songs on the album. There might be a delay before the list displays. Touch a song from the list to begin playback.

Song Titles : Touch to display a list of all songs on the disc. Songs are displayed as stored on the disc. There might be a delay before the list displays. To begin playback, touch a song from the list.

Genres : Touch to view the genres. Touch a genre to view a list of all songs of that genre. Touch a song from the list to begin playback.

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

Root Directory

The root directory is treated as a folder. All files contained directly under the root directory are accessed prior to any root directory folders.

Empty Folders

If a root directory or 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.

No Folder

When the CD only contains compressed audio files without any folders or playlists, all files are under the root folder.

File System and Naming

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

Preprogrammed 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

Playing from a USB

A USB mass storage or Certified Windows Vista/Media Transfer Protocol (MTP) device can be connected to the USB port.

If equipped, the USB port is in the center console.

The USB icon displays when the USB device is connected.

USB Media Formats

The USB port will support the following media formats:

- MP3
- Unprotected WMA
- Unprotected AAC

Other formats may be supported.

Gracenote

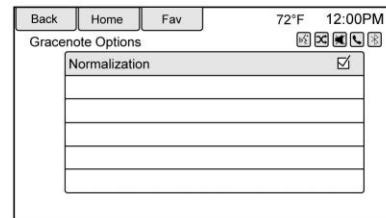
Gracenote technology embedded into the radio helps manage and navigate the USB device music collection. When a USB device is connected to the radio, Gracenote identifies the music collection and delivers the correct album, artist name, genres, and cover art on the screen. If information is missing, Gracenote will fill it in.

Searching Music Library Using Voice Recognition

Voice Recognition : Gracenote improves music search and navigation by identifying bands, artists, and album names that may be hard to pronounce, irregular spellings, and nicknames as voice commands to access music. See *Voice Recognition* ⇨ 68.

Normalization : If equipped, normalization helps to improve the voice recognition accuracy for titles that sound similar. It also helps group long lists of genres into 10 common genres. For example, there may be multiple rock genres in the

media library; normalization will group all those into one rock genre. Normalization default is off.



To turn Normalization On:

1. Press CONFIG on the center stack or touch Config on the Home Page.
2. Touch Radio Settings, then touch Gracenote Options.
3. Touch Normalization to turn on or off.

Cover Art

The Gracenote embedded database contains cover art or album art information for the music on the USB device. If the music is recognized by Gracenote and does have cover art, Gracenote will use

the cover art found in the embedded database and display it on the radio. User predefined cover art will always be used first. If no cover art is found, Gracenote will use generic genre graphics or images of artists.

More Like This

The Gracenote database contains attributes for music, such as genre, era of music, region, artist type, mood, etc. Use this to create a playlist of up to 30 songs "more like" the currently playing song. This playlist will be stored in the Playlist Menu when the device is reconnected. If songs are removed from the device, the system will skip over those songs and play the next available song.

Use the infotainment display or voice recognition to create a More Like This Play List. See "Voice Recognition Commands" in *Voice Recognition* ⇨ 68.

Gracenote Indexing

While Gracenote is indexing, infotainment features are available including touching music from the

menu. Voice recognition music will not be available until the radio has completed indexing the device. Devices with more music may take longer to index. The device will index when plugged into the radio for the first time. When Indexing is removed from the display, the radio is ready to support music search. On the next connection or ignition cycle, Indexing will show briefly on the display. The radio is searching for changes to the device and preparing the music list. If there are no changes, the voice recognition music search will be available. The radio will index and store two devices with up to 10,000 songs on each device.

USB MP3 Players and USB Devices

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

- The radio will not be able to play back write-protected music.
- File systems supported are: FAT32, NTFS, Linux, and HFS+.
- The following restrictions apply for the data stored on a USB MP3 player or USB device:
 - Maximum folder structure depth is 8 levels.
 - Maximum number of MP3/WMA files that can be displayed is 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.
- Touch Now Playing on the Home Page.
- Press SRCE to scroll until the USB source is available.

Press AUX on the center stack.

- Press  /  on the steering wheel controls to play CD, Artist, Album, Song Title, or Song Genre. See *Voice Recognition*  68.

The following playlist formats are supported:

- M3U (Standard and Extended)
- iTunes
- PLS (Standard)
- WAX
- ASX
- RMP

The radio supports plugging a cell phone in as a USB device as long as the cell phone supports USB mass storage class or has USB disc drive support enabled.

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

 **Knob** : Turn to scroll through the list. Turn quickly to fast scroll alphabetically through large lists.

 : Press to start, pause, or resume play of the current media source.

  :

- Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, the previous track plays. If playing longer than five seconds, the current track restarts.
- Press and hold to reverse quickly through playback. Release to return to playing speed. Elapsed time displays.

  :

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

USB Menu

The following are available through the USB Menu:

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

Play More Like This : Touch to automatically create a playlist of songs that are like the song currently playing.

The radio will show Playlist Creation Succeeded and continue playing the current song.

Playlist Creation Failed may appear if a song is not found in the Gracenote Database.

Delete Automatic Playlist : Touch to delete a More Like This playlist.

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

Playlists:

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

Artists:

1. Touch to view the list of artists on the USB.
2. Touch an artist name to view a list of all albums by the artist.
3. To select a song, touch Songs List or touch an album and then touch a song from the list.

Albums:

1. Touch to view the albums on the USB.
2. Touch the album to view a list of all songs on the album.
3. Touch a song from the list to begin playback.

Genres:

1. Touch to view the genres on the USB.
2. Touch a genre to view a list of All Songs of that genre.
3. Touch a song from the list to begin playback.

Songs:

1. Touch to display a list of All Songs on the USB.
2. Songs are displayed as they are stored on the disc. To begin playback, touch 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

This feature supports the following iPod models:

- iPod classic
- iPod nano
- iPod touch

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

To connect an iPod:

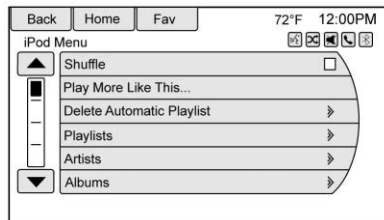
1. Connect one end of the standard iPod USB cable to the iPod's dock connector.
2. Connect the other end to the USB port in the center console.

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

The iPod battery recharges automatically while the vehicle is on. The iPod shuts off and stops charging when the vehicle is shut off.

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 Menu to select:

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

Play More Like This : Allows the radio to create playlists with songs/ tracks that are similar to what is being listened to. The radio will create a playlist with up to 30 similar songs. The playlist will appear in the Playlist category of the menu for future listening.

1. Touch to automatically create a playlist of songs that are similar to the song currently playing.
2. The radio will show Playlist Creation Succeeded and continue playing the current song.

Delete Automatic Playlist : Touch to delete a More Like This playlist.

Playlists:

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

Artists:

1. Touch to view the artists on the iPod.
2. Touch an artist name to view a list of all albums with songs by the artist.
3. Touch an album.
4. Touch the song from the list to begin playback.

Albums:

1. Touch to view the albums on the iPod.
2. Touch an album name to view a list of all songs on the album or touch Songs List to view all songs on the iPod.
3. Touch the song from the list to begin playback.

Genres:

1. Touch to view the genres on the iPod.
2. Touch a genre name to view a list of artists of that genre.
3. Touch an artist to view all albums of that genre.
4. Touch Album to view songs.
5. Touch the song from the list to begin playback.

Songs:

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

Podcasts:

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

Composers:

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

Audio Books:

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

Playing from an iPhone or iPad

This feature supports iPhones and iPads:

Follow the same instructions as stated earlier for using an iPod. To use voice recognition to play music, say "Play USB," "Play Artist," "Play

Album," "Play Song," or "Play Genre." See *Voice Recognition* ⇨ 68.

iPhone, iPod touch, and iPad Troubleshooting

When an iPhone, iPod touch, or iPad is connected through USB and Bluetooth, the audio may not be heard when the iPod source on the radio is touched. If a phone call is received while listening to the iPod source and there is no audio for the iPod after the source, then go to the Airplay icon on the device and select dock connector or disconnect and reconnect the dock connector on the device.

Some functionality may differ based on operating system version on device.

USB Troubleshooting

If the device is not being recognized or the music is missing screen information, restore the radio defaults:

1. Touch Config.
2. Touch Radio Settings.

3. Touch Software Versions Menu.
4. Touch Clear and Reset Radio.
5. Touch Yes.

Pair the phone again and the device will have to index again.

Bluetooth Audio and Voice Recognition

See *Bluetooth Audio* ⇨ 41 and *Voice Recognition* ⇨ 68 for information on using voice recognition with Bluetooth audio.

Make sure all devices have the latest software downloaded.

Auxiliary Devices

If equipped, this vehicle has an auxiliary input jack in the center console. Possible auxiliary audio sources include:

- Laptop computer
- MP3 player
- Tape player

This 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).

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 to scroll all of the available audio source screens, until AUX is selected as source. Press AUX on the center stack.
- Say "Play Front AUX" using voice recognition to play the auxiliary device. See *Voice Recognition* ⇨ 68.
- Touch AUX on the Home Page.

Bluetooth Audio

If equipped, music may be played from a paired Bluetooth device. See "Pairing a Phone/Device" under *Bluetooth* ⇨ 74.

To play music through a Bluetooth device:

1. Power on the device, pair, and connect the device.
2. Music can be launched by doing one of the following:
 - Touch Bluetooth on the Home Page.
 - Press SRCE until Bluetooth Audio is selected.
Press AUX on the center stack until Bluetooth Audio is selected.
 - Press SRC on the steering wheel controls until Bluetooth Audio is selected. See *Steering Wheel Controls* ⇨ 6.
 - Use voice recognition. See *Voice Recognition* ⇨ 68.

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

When a phone is connected to the system through Bluetooth Audio, the phone notifications and sounds may not be heard on the phone until Bluetooth is disconnected. Notification features may vary based on the phone. Check the phone manufacturer's information for notification support.

Bluetooth Audio Menu

Touch Menu while sourced to Bluetooth Audio and the following may display:

Shuffle : Press the outer ring of the  knob to turn shuffle on or off. Not all devices support the shuffle feature.

When selecting Bluetooth audio, the Bluetooth device internal music player may not open depending on the status of the device. All devices launch and play back audio differently. Make sure the correct audio source is playing on the device for Bluetooth audio playback

42 Audio Players

on the radio. When the vehicle is not moving, use the device to begin playback.

When selecting Bluetooth audio as a source, the radio may source to the Bluetooth Audio Paused option with no audio playing. Press play on the device or touch ⏮/|| to begin playback. This may happen depending on how the device communicates over Bluetooth.

Some phones support sending Bluetooth music information to display on the radio. When the radio receives this information, it will check to see if any album art is available and display it.

When playing music on the radio from a Bluetooth device, make sure the Bluetooth device is unlocked and the intended music application is showing on the home screen.

For iPhone/iPod touch and iPad devices, Bluetooth Audio will not work if the device is connected through the USB and Bluetooth at the same time.

As new devices are introduced, see *Software Updates* ➔ 12.

OnStar System

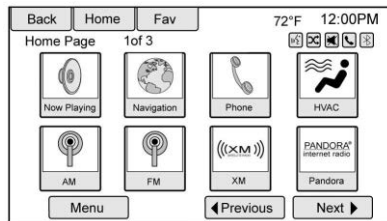
4G LTE

If equipped with 4G LTE, up to seven devices, such as smartphones, tablets, and laptops, can be connected to high-speed Internet through the vehicle's built-in Wi-Fi hotspot.

Call 1-888-4-ONSTAR (1-888-466-7827) to connect to an OnStar Advisor for assistance. See www.onstar.com for a detailed instruction guide, vehicle availability, details, and system limitations. Services and apps vary by make, model, year, carrier, availability, and conditions. 4G LTE service is available in select markets. 4G LTE performance is based on industry averages and vehicle systems design. Some services require a data plan.

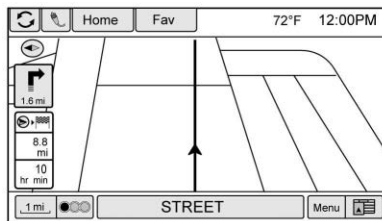
Navigation

Using the Navigation System



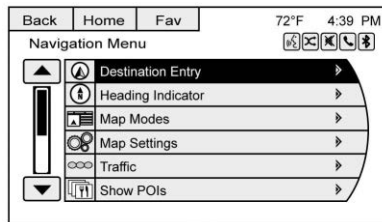
Press NAVI on the center stack or touch Navigation on the Home Page to access the navigation map.

Press NAVI again to change between alternative views of the normal split and full map views.



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

The touch-sensitive features available are:

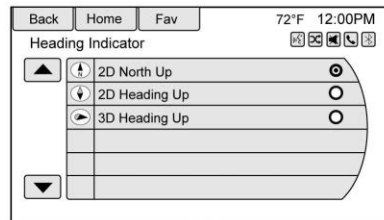


Destination Entry/Route Menu

Touch to enter the Destination Entry display where a destination can be entered when guidance is inactive.

Touch to enter Route Menu to modify the current route, cancel a destination, or add a waypoint when guidance is active.

Heading Indicator

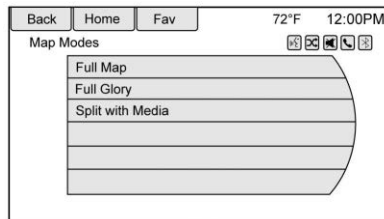


Touch Heading Indicator to display the map view. There are three indicator settings:

- **2D North Up:** Displays North at the top of the map display regardless of the direction the vehicle is traveling.
- **2D Heading Up:** Displays the direction the vehicle is traveling. The shaded triangle icon points North.

- 3D Heading Up: Is the same as 2D Heading Up, but the map is in 3D.

Map Modes

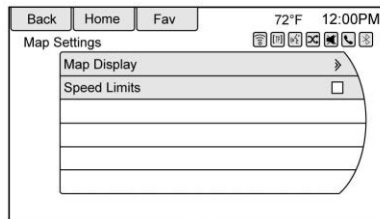


Touch to change the view of the maps while using the navigation function. The system offers a variety of full and split views. Some views are only selectable when route guidance is active.



Another way to change the view of the maps is to touch the map mode icon.

Map Settings



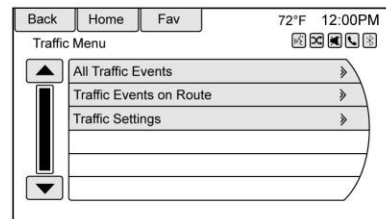
Touch Map Settings to display the Map Display option. Touch Map Display to select one of the available features:

- Automatic
- Day
- Night

See *Configure Menu* ⇨ 59.

Select Speed Limits to toggle the speed limit display on or off.

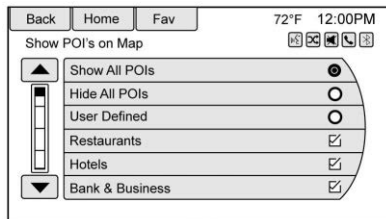
Traffic



Touch Traffic to display the Traffic Menu. Touch one of the options:

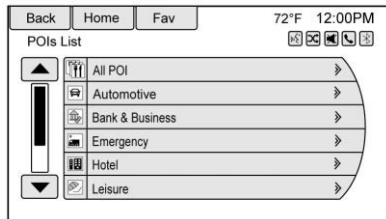
- All Traffic Events: View all reported traffic events while on or off a planned route.
- Traffic Events on Route: View traffic events while on a planned route.
- Traffic Settings: Customize traffic options. This feature can also be accessed by touching the traffic light icon at the left lower side of the map display. See *Configure Menu* ⇨ 59.

Show POIs



Touch to customize which major POI categories are displayed on the map.

Nearby POIs



Touch to display a search list of nearby POIs. Touch the desired POI.

POIs Along Route

Touch to display a search list of POIs that lie along or near the route to the destination. Touch the desired POI.

Exit List

Touch to display a list of the next three highway exits if available. Touch an exit to display a list of POIs associated with that exit that can be routed.

Switch Route Time/Destination

Touch to customize the arrival/travel time and waypoint/destination information shown in the main map display.

Current Position Info

Touch to display a split screen showing detailed information about the vehicle position. This feature can also be accessed by touching the vehicle information tab on the lower center of the display. The location can be saved to the Address Book by touching Save in the split display.

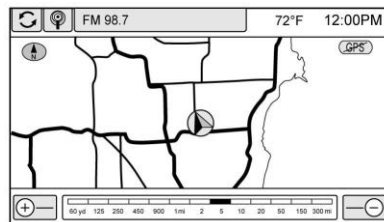
Destination Position Info

Touch to display a split map display showing the final destination.

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 ways to change the map scale:

- Turn the  knob clockwise or counterclockwise to zoom out or in.

- Touch the Map Scale + or – icons on the lower corners of the map display or the different zoom indications to change the zoom level.

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

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

Scroll Features



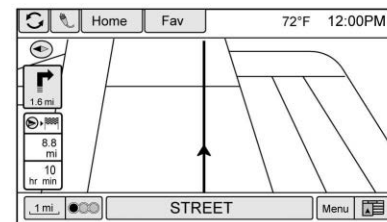
- To scroll within the map, touch anywhere on the map display and the scroll symbol displays.
- Tap the map to center at that location on the display.

- Touch and hold the display 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 display.
- Press NAVI or BACK on the center stack to exit map scrolling and return to the current vehicle location on the map.



Touch the cycling arrows at the top of the map display to toggle from the normal top bar (Back, Home, and Fav) to the audio information bar.

Maps



This section includes basic information about the map database.

The maps are stored in an internal flash memory that is used in the navigation system.

Detailed Areas

Road network attributes are contained in the map database for detailed areas. Attributes include information such as street names, street addresses, and turn restrictions. A detailed area includes all major highways, service roads, and residential roads. The detailed areas include points of interest (POIs) such as restaurants, airports,

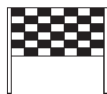
banks, hospitals, police stations, gas stations, tourist attractions, and historical monuments. The map database may not include data for newly constructed areas, map database corrections, or long term construction projects. The navigation system provides full route guidance in the detailed map areas.

Navigation Symbols

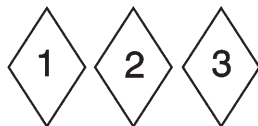
Following are the most common symbols that appear on a map display.



The vehicle symbol indicates the current position and heading direction of the vehicle on the map.



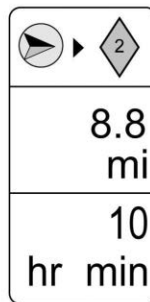
The destination symbol marks the final destination after a route has been planned.



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 display regardless of the direction the vehicle is traveling.

Touch this display symbol to change the view to Heading up or 3D.



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 display. The shaded triangle indicates North.

Touch this display symbol to change to 3D mode.

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



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



This symbol at the bottom of a map screen changes the current map mode display.

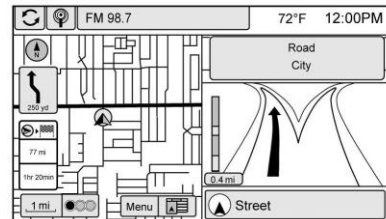


This symbol on the right of the map screen displays the speed limit while on a route. The speed limit may not be accurate due to changes from the Department of Transportation, the local municipalities, or older map data. Always follow the posted speed limit on the road.

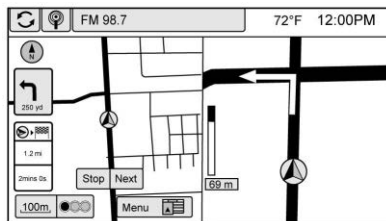
Driving on a Route

Urgent Maneuver Alert

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

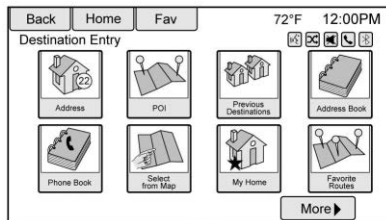


Driving on a Highway



Driving on a Residential Road

Destination



If route guidance is not active, touch Destination on the Home Page to access Destination Entry. Several options can be selected to plan a route by entering destinations. Some destination entry items such as Previous Destinations, Address

Book, and My Home may be grayed out if no destination was previously entered or saved.

Alpha-Numeric Keyboard

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

ABC or QWERTY : Touch to toggle between ABC or QWERTY keyboard character layouts.

ÄÖ : Touch to access an alternate language keyboard.

Sym : Use to select symbols.

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

Delete : Touch to delete an incorrect character that has been selected.

Last 5 : Touch to select any of the last five cities or street names entered if available.

Address Entry



Touch Address to display Address Entry. Set a route by entering the state name, city name, street name, house number, and intersection.

If no state has been entered previously, the city and state fields are not available. Touch display at the right of the city name to select a state.

If the state was previously set and is displayed, touch the display at the right of the city name to change the selected state.

To make name selection easier, the system highlights only characters that are available after the previously entered one.

City : Enter a city name.

State : Enter a state name.

Street : Enter a street name.

House # : Enter a valid address number.

Junction : Enter a street name that intersects with the selected street.

To enter the city name first:

1. Enter the city name.
2. Enter the street name. Use the Delete option to delete an incorrectly entered character.

A list displays if six or fewer names are available. If there are more than six, there is a match counter with a number

of available streets. Touch Done to view the list and select the street.

3. Enter the house number.
4. Touch Done at any time and the system tries to resolve a destination based on the entered information, then shows it on the display.

5. Touch Start Guidance and the route calculates.

Entering a Destination in Other Countries

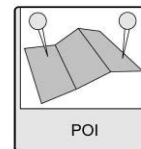
To change the destination address from the United States to another country, the country will need to change in the navigation system.

To change the country address:

1. Touch Destination on the Home Page.
2. Touch Address to display the Address Entry option.
3. Go to State and touch. The State entry displays. Touch the Country option. The available Country List displays.
4. Touch the desired country. For example, touch Canada as a default country.
5. Enter State. For example, enter Ontario and confirm the selection.

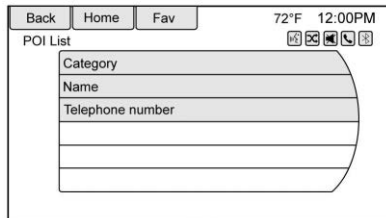
The destination in other countries can also be changed using voice recognition. See *Voice Recognition* ⇨ 68.

Point of Interest (POI)



52 Navigation

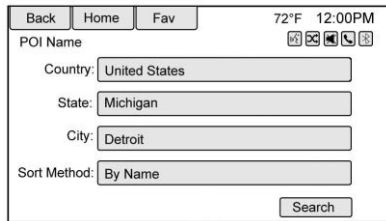
Touch POI on the Destination Entry page. Several options can be selected to plan a route.



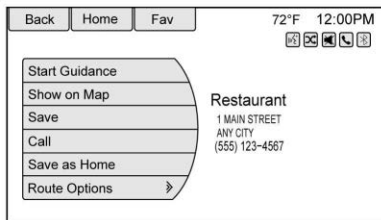
The POI List allows selection of a destination search by Category, Name, or Telephone Number.

Entering by POI name:

1. Select to search by Name.



2. Make sure the correct country and city are present, then select Search. Add the city location to narrow down the results of the search.
3. Enter the POI name.
4. Display a few of the characters or spell the name in full, by using the alpha keyboard.
5. Touch Done, or if the list has six or fewer items, a list of POIs will immediately appear.
6. Touch the desired POI.



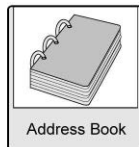
7. Touch Start Guidance and the route calculates.

Previous Destinations



Touch a destination from the Previous Destination 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. Touch Destination on the Home Page.

2. Enter an address using any of the destination methods (Address Entry, POI Entry, etc.).
3. On the Destination Confirmation screen, touch Save.
4. The system displays the options Name, Number, Icon, and Done. Touch Done to save the destination.
5. To customize the address book entry, select Name, Number, or Icon.

If a destination is already saved to the address book, touch Destination on the Home Page to display Address Book.

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

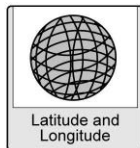
1. Touch Address Book. A list displays the address book entries.
2. Touch the destination from the list.

3. Touch Start Guidance and the route calculates.

To edit Address Book entries:

1. Touch an item from the address book.
2. On the Destination Confirmation display, touch Edit.
3. The system displays the options Name, Number, Icon, and Delete. Touch Delete to delete the destination from the address book.
4. To customize the address book entry, select Name, Number, or Icon.

Latitude/Longitude Coordinates



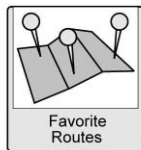
Choose a destination based on latitudinal and longitudinal coordinates.

 A screenshot of a mobile application interface for entering a destination by coordinates. At the top, there are three tabs: "Back", "Home", and "Fav". To the right of the tabs, the temperature "72°F" and time "12:00PM" are displayed. Below the tabs, the text "Enter Destination via Lat/Long" is shown, followed by four small icons: a location pin, a compass, a magnifying glass, and a car. The main area contains two input fields: "Latitude: N 42° 27' 36\"" and "Longitude: W 82° 53' 40\". At the bottom right, there is a "Search" button.

To enter the location as coordinates, latitude and longitude:

1. Touch Destination on the Home Page. Touch the Latitude and Longitude option to show the display above.
2. Touch Latitude or Longitude to change. Enter the coordinates in degrees, minutes, and seconds.
3. Touch Search if the information is correct.
4. Touch Start Guidance. The route calculates.

Favorite Routes



Adding a Favorite Route:

1. Touch Destination on the Home Page to display the Favorite Routes option.
2. Touch Favorite Routes to display New Favorite Route.
3. Touch New Favorite Route and enter a favorite route name.
4. Touch OK and the display returns to the favorite routes list.
5. Touch the favorite route and add a waypoint using any of the destination methods, such as address entry, POI entry, etc.

Selecting a Favorite Route:

1. Touch Destination on the Home Page to display the Favorite Routes option.
2. Touch Favorite Routes to display a list of available favorite routes.
3. Scroll and touch a favorite route.
4. Touch Start Guidance. The route calculates.

Deleting a Favorite Route:

1. Touch Destination on the Home Page to display the Favorite Routes option. Touch this option to display the list of available favorite routes.
2. Scroll and touch the route to be deleted.
3. Touch Edit.
4. Touch Delete Favorite Route.

Changing the route name:

1. Touch Destination on the Home Page to display the Favorite Routes option. Touch this to display the list of available favorite routes.
2. Touch the Edit option.
3. Touch Edit Name.
4. Using the keypad, enter the name.
5. Touch Done. The new name will be in the Favorite Routes Menu.

My Home

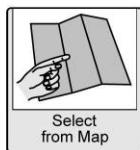


If no home destination is entered, save a destination by touching the Destination icon on the Home Page. Enter a destination using any of the destination entry methods (Address

Entry, POI Entry, etc.). Touch Save as Home from the Destination Confirmation display.

If a destination is already saved as home, touch Destination on the Home Page to display My Home. Touch this option to start route guidance.

Select from Map



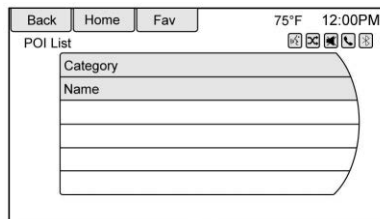
1. Touch Destination on the Home Page to display Select from Map. Touch this option to display the map view with a scroll symbol centered on the map.
2. Touch the Zoom in/out option on the screen and touch the map to locate the destination to select. Touch and hold a finger on the map to activate fast scrolling.

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

Travel Guide

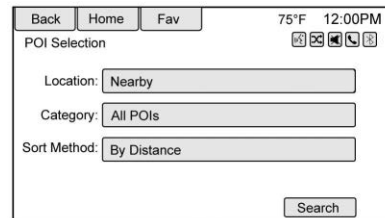


Touch Travel Guide on the Destination Entry page. Several options can be selected to plan a route.

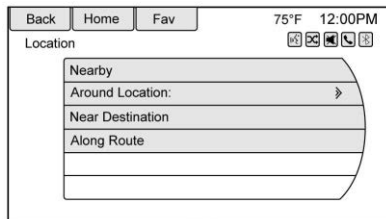


The Travel Guide POI entry list allows selection of a destination search by category or name.

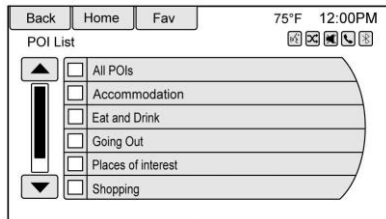
Entering by POI Category



1. Touch Category from the POI List menu to access the POI Selection option.
2. Enter the necessary information by first touching the location option to access the Location menu.



3. Touch any of the line options such as Nearby.
4. Touch Category from the POI Selection menu to access the POI List.



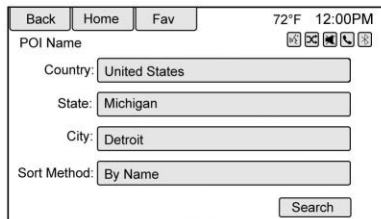
5. Touch any of the line options such as All POIs.

6. Touch Sort Method from the POI Selection menu to access the Search Order menu. Touch one of the two options: By Distance or By Name.

7. Touch Search.

8. Touch the desired POI.

Entering by POI name:



1. Touch to search By Name.
2. Make sure the correct country, state, and city are present, then touch Search.
3. Enter the POI name.
4. Touch a few of the characters or spell the name in full, by using the alpha keyboard.

5. Touch Done, or if the list has six or fewer items, a list of POIs will immediately display.

6. Touch the desired POI.

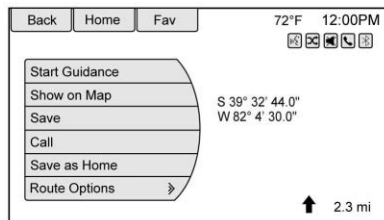


The Travel Guide POI will have some detailed information about the selection made. This information may include:

- Brief Description
- Address
- Number
- Hours of Operation
- Price
- Website

Photos may not be available for certain locations or countries.

Destination Confirmation



Multiple options are available on the Destination Confirmation display:

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

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

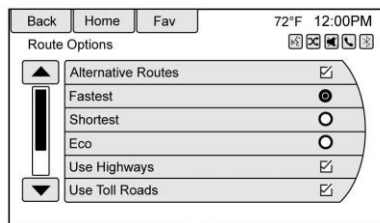
Save/Edit : Touch to save the displayed destination into the address book. If the displayed destination is already stored in the address book, Edit will show as the menu item.

Call : Touch to initiate a phone call to the displayed phone number, if phone capability is available.

Save as Home : Touch 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 Options : Touch to change route options. See “Route Options” following.

Route Options



Touch to display various route options.

Alternative Routes : If enabled, the system will provide an additional display after Start Guidance has been touched. Select Fastest, Shortest, or Eco calculated routes before touching Go.

Fastest : This calculates the quickest route.

Shortest : This calculates the shortest route.

Eco : This calculates the most fuel efficient route based on speed and distance.

Under the Route Options menu, there are route preferences that by default are all enabled.

A checkmark placed next to each preference indicates this. All of these preferences are used when calculating the route. If any of these preferences are unselected, the route will be calculated without including these preferences.

Use Highways : Deselect to avoid major roads.

Use Toll Roads : Deselect to avoid toll roads.

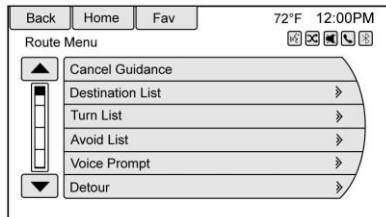
Use Ferries : Deselect to avoid ferries.

Use Tunnels : Deselect to avoid tunnels.

Use Time Restricted : Deselect to avoid time restricted roads.

Use Car Train : Deselect to avoid car trains.

Menu with Route Guidance Active

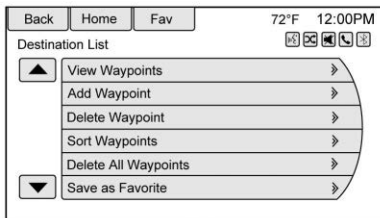


Several functions can be performed after a destination has been entered. Touch the Home Page Destination Entry display to access the Route Menu display.

Cancel Guidance

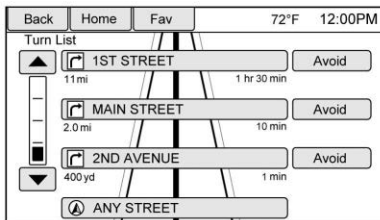
Touch Cancel Guidance to cancel the current route.

Destination List



Touch Destination List to view options for organizing waypoints.

Turn List



Touch Turn List to view a list of maneuvers for the entire route. Touch Avoid next to one of the turn maneuvers to avoid a segment of roads. A maximum of eight avoided segments are allowed.

Avoid List

Touch Avoid List to display a list of avoided road segments with the option to remove the avoided items from the list.

Voice Prompt

Touch Voice Prompt to view options to disable or manage navigation voice prompts and traffic alert prompts.

Detour

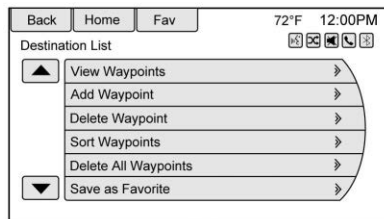
Touch Detour to display the route detour options. Touch to detour the whole route or by a specific distance.

Route Options

This feature can be accessed from the Destination Confirmation Menu and Destination Menu with Route Guidance Active. See “Destination Confirmation” previously in this section.

Waypoints

Up to three waypoints can be added to the current route. The waypoints can be sorted (moved) or deleted.

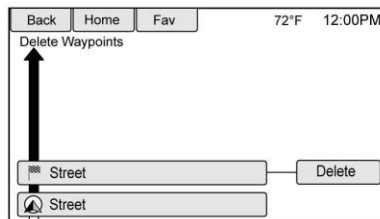


To add a waypoint:

1. From the Destination List menu, touch Add Waypoint.
2. Enter the waypoint by any of the add destination methods. The system calculates and highlights the route and the route can be started.
3. To add more waypoints, touch Add Waypoint to add the waypoint in the order desired on the route.

To delete a waypoint:

1. From the Destination menu, touch Destination List.
2. Touch Delete Waypoint.



3. Select the waypoints to be deleted. Touch Delete.

The Sort Waypoint feature allows reorganization of the destination list.

To sort a waypoint:

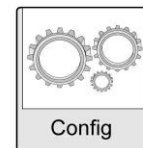
1. From the Destination menu, touch Destination List.
2. Touch Sort Waypoints.
3. Touch the waypoint to move.
4. Touch the location to move the waypoint to.

Instead of deleting individual waypoints, touch Delete All Waypoints to delete all waypoints at the same time.

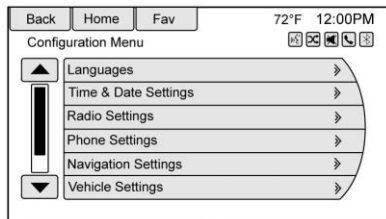
To save a destination list as a favorite route, touch Save as Favorite Route.

Configure Menu

The Configuration Menu is used to adjust features and preferences, such as Sound, Radio, Nav (Navigation), Display, or Time Settings.



1. Touch Config on the Home Page or press CONFIG on the center stack.



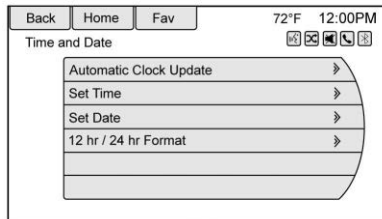
2. Touch-tap the scroll bar until the desired option displays. Touch the desired settings to change. See Vehicle Personalization in the owner's manual on adjusting most vehicle settings. See "Navigation Settings" and "Navigation Setting Displays" later in this section.

Languages

Touch Config on the Home Page or press CONFIG on the center stack to enter the menu options. Turn the  knob or touch-tap the scroll bar to scroll through the available options. Press the  knob or

touch Languages to display the languages. Select the desired language.

Time and Date Settings



From the Time and Date Setting menu, touch to display the Time and Date menu.

Automatic Clock Update : When enabled, this feature will set the clock automatically.

Set Time : Touch + or – to increase or decrease the Hours and Minutes displayed on the clock.

Set Date : Touch + or – to increase or decrease the day.

12 hr / 24 hr Format : Touch 12 Hour for standard time; touch 24 Hour for military time.

Touch Back to save the adjustments.

Radio Settings

Touch Config on the Home Page or press CONFIG on the center stack to enter the menu options. Turn the  knob or touch-tap the scroll bar to scroll through the available options. Press the  knob or touch Radio Settings to display the radio settings menu. Touch this feature to make changes for radio information displayed, preset pages, Auto Volume, and XM Categories. See *Satellite Radio*  16 for information about XM Categories.

Auto Volume : Touch 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.

Gracenote Options : Touch to enable/disable Normalization used to improve voice recognition and media groupings. See *CD Player* ⇨ 32, *USB* ⇨ 35, *Auxiliary Devices* ⇨ 40, and *Bluetooth Audio* ⇨ 41.

XM Channel Art : Touch to enable/disable the XM Audio page background on the XM Channel display.

Max Startup Volume : Touch to set the maximum volume level for startup that will be used even if a higher volume had been set when the radio was turned off.

Number of Favorite Pages : Touch to select the number of favorite pages to be displayed.

XM Categories : Touch to customize which available XM Categories are used and displayed.

Software Version Information : Touch to display information about the system and update software if available.

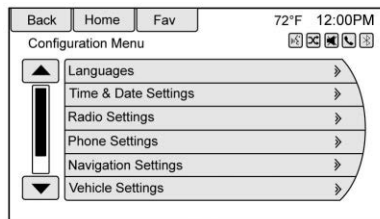
Phone Settings

See *Bluetooth* ⇨ 74.

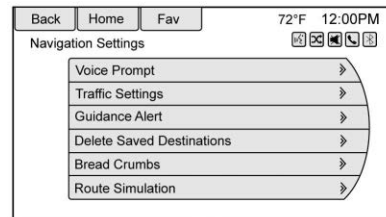
Navigation Settings

Touch Config on the Home Page to enter the setup menu. Turn the ←→ knob or touch-tap the scroll bar until the Navigation Settings option displays. Touch this feature to make changes to Voice Prompt, Traffic Settings, Guidance Alert, Delete Saved Destinations, Bread Crumbs, and Route Simulation.

Navigation Setting Displays

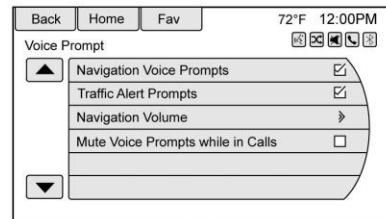


Various navigation system settings are available through the Configuration Settings menu. Some options are only available after a route is planned.



Touch Navigation Settings to access the navigation system settings.

Voice Prompt



62 Navigation

The Voice Prompt menu allows changes to the voice prompt features.

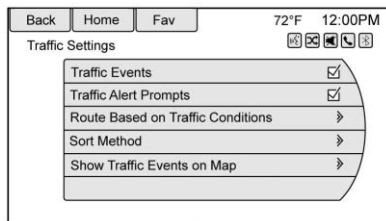
Navigation Voice Prompts : Touch On or Off to turn the voice instructions on or off while traveling on a planned route.

Traffic Alert Prompts : Touch On or Off to turn the traffic voice prompt on or off while traveling on a planned route.

Navigation Volume : Touch to change the volume of the navigation prompts.

Mute Voice Prompts while in Calls : Touch to mute voice prompts while in a call.

Traffic Settings



Touch to display the Traffic Settings menu.

Traffic Events (On/Off) : Touch to enable or disable the traffic feature.

Traffic Alert Prompts (On/Off) : Touch to enable or disable the traffic voice prompts.

Route Based on Traffic

Conditions : Touch to display a submenu of options.

- **Route Based on Traffic Conditions**: Touch to enable or disable the route feature.
- **Automatic Recalculation**: Touch to enable automatic route recalculation.
- **Recalculation after Confirmation**: Touch to enable route recalculation after confirmation.

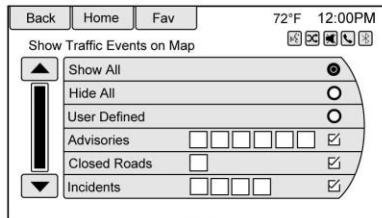
Sort Method : Touch to display a submenu of sort options.

- **Sort by Distance**: Touch to display traffic events in order of distance with the closest event shown first.

- **Sort by Road Name**: Touch to display traffic events in alphabetical order.

Show Traffic Events on Map :

Touch to display traffic icons on the map.



- **Show All**: Touch to enable display of all traffic icons on the map.
- **Hide All**: Touch to disable display of all traffic icons on the map.
- **User Defined**: Touch to define the individual types of icons that are displayed for traffic flow and traffic conditions.

Traffic Flow Status

The traffic flow status will display in green, yellow, or red lines beside the road.

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

Closed Roads, Traffic Delays, Roadworks, Incidents, and Advisories

Touch the traffic event group for display on the map view. Some events may cover more than one traffic condition. See the following traffic conditions.

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



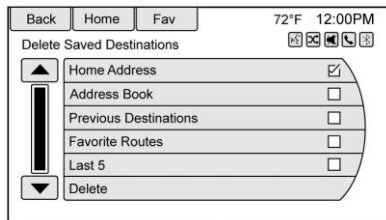
Other

Guidance Alert

Back	Home	Fav	72°F 12:00PM
Guidance Alert			
▲	Guidance Alert in Primary		☐
▼	Guidance Alert in Map		☒

Touch to enable the guidance alert pop-up to be viewed on the map or on the main screens such as audio, weather, phone, etc. A checkmark appears to indicate the guidance alert mode is on.

Delete Saved Destinations



Touch to delete all saved destinations. A Delete Saved Destinations submenu displays. Touch the desired options for deletion and touch Delete near the bottom to continue. A confirmation displays requesting to delete or cancel.

Bread Crumbs

Bread crumbs, when displayed, show a previously followed route.

Touch Display to enable bread crumbs on the map view.

It is possible to record and store bread crumbs to retrieve journeys for future reference.

Previously stored bread crumbs can be loaded from the Saved menu item, and then displayed by touching Show on Map.

Route Simulation

Touch to display a route simulation.

Use Last Known Position : Touch to start the simulation from the last known position.

Use Previous Destination : Touch to start the simulation from a previous destination.

Use Specified Location : Touch to start the simulation from a specified location.

Once the starting position for the simulation is selected, touch Navigation and the Map display will be in Simulation mode. **SIM** is displayed on the map.

Touch and enter the destination as for a normal journey and touch Start Guidance to calculate the route in Simulation mode.

Touch Next to skip to the next turn, or touch Stop to pause the simulation.

To stop the simulation, press DEST and select Cancel Guidance.

To exit from Simulation mode, return to the Navigation Settings menu, touch Route Simulation, then touch Cancel Route Simulation.

Vehicle Settings

See Vehicle Personalization in the owner's manual.

Display Settings

Touch Config on the Home Page or press CONFIG on the center stack, then touch Display Settings from the list.

The following options may display:

Home Page Menu : Touch to customize the first page of the Home Page.

Rear Camera Options : Touch to enable or disable Symbols and Guide Lines.

Display Off : Touch to turn off the display. The display will return when any center stack control is pressed or the display is touched (if equipped).

Map Settings : Touch to enter the submenu to change Map Display settings and enable Speed Limit display on map.

Map Display : Touch to change the screen background.

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

To change the overall brightness setting for the display, use the vehicle interior lighting instrument panel illumination control.

Speed Limits : Touch to enable or disable displayed speed limits on the map.

Global Positioning System (GPS)

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

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

The GPS shows the current position of the vehicle using signals sent by GPS Satellites. When the vehicle is not receiving signals from the satellites, a symbol appears on the map screen. See *Navigation Symbols* ⇨ 48.

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* ⇨ 66 and *If the System Needs Service* ⇨ 67.

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 was disconnected for several days.
- The vehicle is driving in heavy traffic where driving is at low speeds, and the vehicle is stopped and started repeatedly.

Problems with Route Guidance

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

- The turn was not made on the road indicated.
- Route guidance might not be available when using automatic rerouting for the next right or left turn.
- The route might not be changed when using automatic rerouting.
- There is no route guidance when turning at an intersection.
- Plural names of places might be announced occasionally.

- It could take a long time to operate automatic rerouting during high-speed driving.
- Automatic rerouting might display a route returning to the set waypoint if heading for a destination without passing through a set waypoint.
- The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
- Some routes might not be searched.
- The route to the destination might not be shown if there are new roads, if roads have recently changed, or if certain roads are not listed in the map data. See *Maps* ⇨ 47.

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

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 *Problems with Route Guidance* ⇨ 66.

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 or order a new Map Update online. To order map data, have the vehicle's Vehicle Identification

Number (VIN) available. See Vehicle Identification Number (VIN) in the owner's manual.

After receiving the updated map data, see *Maps* ⇨ 47.

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* ⇨ 67.

Voice Recognition

Voice recognition allows for hands-free operation of the system features.

Voice recognition can be used when the radio is on or when Retained Accessory Power (RAP) is active. See Retained Accessory Power (RAP) in the owner's manual. The system maintains a minimum volume level.

Using Voice Recognition

1. Press  /  on the steering wheel. The audio system mutes. A voice prompt states, "Please say a command." Wait until the tone is heard before speaking.

If there is no tone, make sure that the volume is turned up.

While voice recognition is active, the system displays a  symbol in the top right of the display.

2. Clearly speak one of the commands listed later in this section.

Press  /  twice on the steering wheel to skip the voice prompt messages.

Canceling Voice Recognition

1. Press and release  /  on the steering wheel control to cancel a command, if the system response does not match the voice command, or say "Goodbye" or "Cancel."
2. The system replies, "Goodbye."

Helpful Hints for Speaking Commands

- When multiple commands are available, choose the command that works best for you.
- Words in parentheses are optional. For example, for the command "Tune FM (frequency)," saying "Tune FM 87.7" or "Tune FM" are both valid commands.

- When the command is recognized, the system will either perform the function or ask to confirm the choice.
- When the system does not recognize the command, the system says "Pardon."
- If experiencing difficulty with the system recognizing a command, confirm that the command is correct. Try saying the command clearly or wait for a brief moment after the tone.
- Background noise such as a climate control fan positioned on high, open windows, and very loud outside noises, even if the windows are closed, can cause voice commands to be misunderstood.
- The system is able to recognize commands in different languages, such as English, Canadian French, and Spanish. The system only recognizes commands based on the language selected.

- To increase or decrease the voice volume during a voice recognition session, turn the volume knob of the radio, or press the volume steering wheel control. If the volume is adjusted during a voice recognition session, a Volume bar appears on the screen showing the voice volume level as it is being adjusted. This also changes the volume of the guidance prompts.
- When using navigation commands, take the time to become familiar with the address. Long delays when giving the address can result in the system not recognizing the address or routing to a different location than intended.
- When providing the house number portion of the address, the system recognizes both digit format and numerical text. An example would be to say, "3-0-0-0-1" or "Thirty Thousand One."

- If the system provides the destination in another country on several attempts, say the "Change Country" command and say the country of interest. The country default is the United States. To enter a destination in Canada or Mexico, the country will first have to be changed in the system.

Voice Recognition Help

To enter the help playback session, clearly speak one of the help commands.

Help : The system plays back more specific help commands such as Radio Settings to choose from.

Radio : Use this command to learn about how to select a band (AM, FM, or SiriusXM), and how to change radio stations by speaking frequency numbers.

Phone : Use this command to learn about how to dial, pair a device, or delete a device.

My Media : Use this command to learn how to play specific tracks, artists, albums, devices connected to the USB port, or to change sources.

Settings : Use this command to learn about how to turn Verbose on or off, or set the language.

Voice Recognition Commands

The following list shows the voice commands available for the system with a brief description of each. The commands are listed with the optional words in parentheses. To use the voice commands, see the previous instructions.

Radio Commands

Tune AM, Tune FM, Tune XM, Tune Pandora, Tune Stitcher : Instructs the system to go to the specific band and the last station.

Tune AM (frequency), Tune FM (frequency), Tune XM (channel number or name) : Instructs the system to go to the specific station.

Thumbs Up : Instructs the system to give the current song or station a thumbs up in Pandora or Stitcher.

Thumbs Down : Instructs the system to give the current song or station a thumbs down in Pandora or Stitcher.

Phone Commands

Dial or Call (phone number or contact) : Instructs the system to start a phone call. For example, say “Dial 1 248 123 4567.” To call a phone book contact, say “Dial” or “Call,” say the name and location, and then say “Dial.” For example, say “Call <name> at Home” or “Call <name> at Work.” If a number is not recognized, the first number in the list will be called.

Pair or Connect : Instructs the system to begin pairing a device.

Digit Dial : Instructs the system to dial a phone number one digit at a time. After saying the digits, say “Dial.”

Redial or Redial Last Number : Instructs the system to dial the last phone number called.

Select Device or Change Phone : Instructs the system to switch to a different paired device. The device must be selected from the screen or using the   knob.

Delete Device : Instructs the system to delete a paired device.

Read Text Messages or Read SMS Messages : Instructs the system to begin reading text messages from a paired device.

Not all devices support text messages. Applicable where equipped.

My Media Commands

CD, AUX, USB, or Bluetooth Audio : Instructs the system to change the source.

Play CD : Instructs the system to play a CD.

The following commands only apply to USB, iPod, and iPhone sources. They are supported after the device has been indexed.

Play Artist (artist name) : Instructs the system to play songs by a specific artist.

Play Album (album title) : Instructs the system to play a specific album.

Play Song (song title) : Instructs the system to play a specific song.

Play Genre (genre name) : Instructs the system to play songs of a particular genre.

Search Artist (artist name) : Instructs the system to show a list of all songs by a specific artist.

Search Composer (composer name) : Instructs the system to show a list of all songs by a specific composer.

Search Album (album name) : Instructs the system to show a list of all songs on a specific album.

Search Genre (genre name) : Instructs the system to show a list of all songs for a specific genre.

Search Folder (folder name) :

Instructs the system to show a list of all songs in a specific folder.

Search Playlist (playlist name) :

Instructs the system to show a list of all songs in a specific playlist.

Search Audio Book (audio book name) :

Instructs the system to show a list of all tracks in a specific audio book.

Search Podcast (podcast name) :

Instructs the system to show a list of all tracks in a specific podcast.

More Like This : Instructs the system to create a playlist of tracks similar to the current track playing.

Settings Commands**Verbose (set) on (mode), Verbose (set) off (mode) :**

Instructs the system to turn voice prompts on or off. When off, this feature turns off voice prompts.

Language (language) : Instructs the system to set the language.

List Devices : Instructs the system to give a list of devices to use.

Other Commands

Goodbye : Instructs the system to end a phone call or voice recognition.

Cancel : Instructs the system to cancel an action.

Go Back, Back, Previous :

Instructs the system to go back to a prior menu.

Main Menu : Instructs the system to go to the main menu.

Yes, Yep, Yup, Ya, Sure, Right, Correct, OK, Positive, You Got it, Probably, You Bet : These can be used to say "Yes."

No, Nope, Na, No way, Wrong, Incorrect, Negative, Not really, No I said, No I Did Not, No I Do Not : These can be used to say "No."

Next Page, Page Down : Instructs the system to scroll forward one page in a list.

Previous Page, Page Up : Instructs the system to scroll back one page in a list.

Navigation Commands (If Equipped)

To activate the navigation voice recognition:

1. Press  /  on the steering wheel. The audio system mutes. A voice prompt says, "Please say a command." Wait until the tone is heard before speaking.

If there is no tone, make sure the volume is turned up.

While voice recognition is active, the system displays a symbol in the top right of the screen.

2. Clearly speak the command "Navigation."
3. Clearly speak one of the commands in this section.

The following commands only apply once the Navigation command is given.

Change Country : Changes the country origin to input a destination from that region. The system will accept United States, Canada, or Mexico.

Address or Destination : Allows an address to be stated as a one-shot method. The system will recognize the address if stated all at once or say a city center. An example is to say, "<number, street, city, country>" or "<city and state>."

Directed Address : Allows an address to be stated one step at a time. The format will be State, City, Street, then House Number.

Intersection : Allows an Intersection to be stated as the destination. The format will be State, City, Street, then Intersection.

Contact : When a phone is paired to the system, which contains Address Information stored for contacts, the address associated with that contact can become a route. If the system cannot resolve the address, an error displays.

Home : Instructs the system to start guidance to the address saved as My Home.

Points of Interest or POI : Allows a Point of Interest to be stated as a destination.

Say the name or list item number of the category and subcategory to return a list of POIs. Say the item number to select a POI from the list.

POI commands for Nearby, Along Route, and Around Destination will be available if route guidance is active.

Add Waypoint : Allows addition of individual waypoints or the destination. The system will ask for the choice of entry method to continue. An example is to say, "POI Along Route" or "Intersection."

Delete Waypoint : When guidance is active, this command allows the deletion of individual waypoints or the destination. If guidance is not active, the system will indicate the destination list is empty.

Where Am I?, My Location, or Current Position : Instructs the system to give the current position of the vehicle.

Help : The system plays back more specific help commands associated with Navigation or a Navigation sub-feature.

Cancel Guidance or Cancel Route : Instructs the system to cancel guidance.

Entering a Destination in Other Countries

For the voice recognition to respond to a local address, the corresponding country needs to be set in the navigation system.

The country can also be set using voice commands. However, the country will change back to the default country when the vehicle is keyed off.

1. Press  /  on the steering wheel.
2. Say "Navigation."
3. Say "Change Country."

4. Say the country name. For example, say "Canada."

Voice Pass-Thru

Voice pass-thru allows access to the voice recognition commands on the cell phone, namely 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 approximately two seconds.

Bluetooth Phone/Devices

Bluetooth

Overview

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

- Placing and receiving hands-free calls.
- Sharing of the cell phone's address book or contact list with the vehicle. The phone book will only display when that phone is connected.
- Placing outgoing calls by voice recognition.

The system can be used when the ignition is on or in ACC/ACCESSORY, or when Retained Accessory Power (RAP) is active. The range of the Bluetooth system can be up to 9.1 m (30 ft). The radio can connect to most

Bluetooth-enabled phones. Available features and functions may be dependent on the device.

On a current phone call screen, an image of the contact from your phone's contact list can be displayed. Not all phones are compatible with this feature.

Bluetooth Controls

Use the controls on the center stack and the steering wheel to operate the Bluetooth system.

Steering Wheel Controls

 /  : Press to answer incoming calls and start voice recognition.

 /  : Press to end a call, decline an incoming call, or cancel voice recognition.

+  - : Press + or - to increase or decrease the volume.

Infotainment System Controls

For information about how to navigate the menu system using the infotainment controls, see *Overview* ⇨ 2.

PHONE : Press to enter the Phone main menu. Press and hold to mute or unmute.

Voice Recognition

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

When using voice recognition:

- The system may not recognize voice commands if there is too much background noise.
- A tone sounds to indicate that the system is ready for a voice command. Wait for the tone and then speak.
- Speak clearly in a calm and natural voice.

See *Voice Recognition* ⇨ 68.

Audio System

Sound comes through the vehicle's front audio system speakers and overrides the audio system. Use the  knob 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.

See *Voice Recognition* ⇨ 68.

Bluetooth Audio

See *Bluetooth Audio* ⇨ 41.

Pairing with Infotainment Controls

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

Pairing Information

- A Bluetooth-enabled phone and an audio playback device can be paired to the system at the same time.
- Up to five devices can be paired to the Bluetooth system.

- The pairing process is disabled when the vehicle is moving.
- Pairing only needs to be completed once, unless the pairing information on the cell phone changes or the cell phone is deleted from the system.
- 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 radio will connect to the first phone in the list or to the phone that was previously connected.

Pairing a Phone/Device

1. Press CONFIG or PHONE on the center stack.
2. Touch Phone Settings.
3. Touch Pair Device (Phone). The radio displays "Please start Bluetooth search on your phone. Confirm or enter number :". If the device supports a four-digit Personal

Identification Number (PIN), it will display. The PIN is used in Step 5.

4. Start the pairing process on the cell phone to be paired to the vehicle. See the cell phone manufacturer's user guide.
5. Locate and touch the device named after the vehicle make and model in the list on the cell phone. Follow the instructions on the cell phone to enter the PIN provided in Step 3, or to confirm the six-digit code matches. The system recognizes the new connected phone after the pairing process is complete.
6. If the phone prompts to accept connection or allow phone book download, select always accept and allow. The phone book may not be available if not accepted. Some phones will put a connection request or a phonebook request in a pull-down task bar at the top of the screen. Drag down the task

bar and look for the connection/phonebook request and accept.

7. Repeat to pair additional phones.

Listing All Paired and Connected Phones/Devices

1. Press CONFIG on the center stack.
2. Select Phone Settings.
3. Select Device List.

Deleting a Paired Phone/Device

1. Press CONFIG on the center stack.
2. Select Phone Settings.
3. Select Device List.
4. Select the phone to delete and follow the screen prompts.

Connecting to a Different Phone

To connect 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. Press CONFIG on the center stack.
2. Select Phone Settings.
3. Select Device List.
4. Select the new phone to connect to and follow the screen prompts.

Pairing with Voice Recognition

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

Pairing a Phone

1. Press  / . The system responds "Please say a command," followed by a tone.
2. Say "Pair." The system responds with "Please search for Bluetooth devices on your phone, select your vehicle,

confirm or enter the PIN number provided on the screen."

3. Start the search for Bluetooth devices on the phone. Then select the device and follow the instructions on the phone by either entering the four-digit PIN or confirming the six-digit passcode. The PIN is used in Step 4.
4. Locate and select the device named after the vehicle make and model in the list on the cell phone. Follow the instructions on the cell phone to enter the PIN provided in Step 3 or to confirm the six-digit code matches. The system responds "Successfully paired."
5. Repeat Steps 1–4 to pair additional phones.

Listing All Paired and Connected Phones

The system can list all cell phones paired to it. If a paired cell phone is also connected to the vehicle, the system responds to confirm that phone name is connected.

1. Press  / . The system responds "Please say a command," followed by a tone.
2. Say "Device List."

Deleting a Paired Phone

If the phone name to delete is unknown, see "Listing All Paired and Connected Phones."

1. Press  / . The system responds "Please say a command," followed by a tone.
2. Say "Delete Device."
3. The system responds: "To delete a device, please select its name from the list." Select the device to delete on the display and it will be removed.

To cancel this command, press  /  on the steering wheel control or press BACK on the center stack.

Connecting to a Different Phone or Device

To connect to a different cell phone, the system looks for the next available cell phone. Depending on the cell phone to be connected, this command may need to be repeated.

1. Press  / . The system responds "Please say a command," followed by a tone.
2. Say "Change Phone."
 - To select a device, touch the name on the display.
 - If another cell phone is not found, the original phone remains connected.

Making a Call Using Phone Book and Infotainment Controls

For cell phones that support the phone book feature, the Bluetooth system can use the contacts stored

on the cell phone to make calls. See the cell phone manufacturer's user guide or contact the wireless provider to find out if this feature is supported.

When a cell phone supports the phone book feature, the Phone Book and Call Lists menus are automatically available.

The Phone Book menu allows access to the phone book stored in the cell phone to make a call.

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

The radio will display the first 1,000 contacts and the phone numbers for each contact including Home, Work, Mobile, and Other.

To make a call using the Phone Book menu:

1. Press PHONE on the center stack or touch the Phone icon on the Home Page.
2. Select Phone Book.

3. Select the letter group of the phone book entry to scroll through the list of names/numbers.
4. Select the name.
5. Select the number to call.

To make a call using the Call Lists menu:

1. Press PHONE on the center stack or touch the Phone icon on the Home Page.
2. Select Call Lists.
3. Select the Incoming Calls, Outgoing Calls, or Missed Calls list.
4. Select the name or number to call.

Making a Call Using the Infotainment Controls

To make a call:

1. Press PHONE on the center stack or touch the Phone icon on the Home Page.
2. Touch Enter Number.
3. Enter the phone number.

4. Select OK to start dialing the number.

5. Select Call to place the call.

To make a call using voice recognition, see “Making a Call” under *Bluetooth* ⇨ 74.

Accepting or Declining a Call

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

Using the Infotainment Controls

Turn the  knob to “Answer” or “Decline” and press the outer ring of the  knob or touch Accept or Decline on the screen.

Using Steering Wheel Controls

Press  /  to answer or  /  to decline the call.

Call Waiting Using the Infotainment Controls

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

Switching Between Calls (Call Waiting Calls Only)

To switch between calls, turn and press the outer ring of the  knob and select Switch Call or select Switch Call on the screen.

Call Waiting Using Steering Wheel Controls

Call waiting must be supported on the cell phone and enabled by the wireless service carrier.

- Press  /  to answer an incoming call when another call is active. The original call is placed on hold.
- Press  /  again to return to the original call.
- To decline answering the incoming call, touch Decline on the display or take no action.
- Press  /  to disconnect the current call and switch to the call on hold.

Conference Calling Using the Infotainment Controls

Conference calling and three-way calling must be supported on the Bluetooth phone and enabled by the wireless service carrier to work. This feature is only supported when the vehicle is not moving.

To start a conference while in a current call:

1. Turn and press the outer ring of the  knob and select Enter Number.
2. Enter the phone number and select OK.
3. After the call has been placed, turn the  knob and choose Merge Calls.
4. To add more callers to the conference call, repeat Steps 1–3. The number of callers that can be added is limited by your wireless service carrier.

Ending a Call

Using the Infotainment Controls

Turn and press the outer ring of the  knob and select Hang Up or touch Hang Up on the screen.

Using Steering Wheel Controls

Press  /  to end or decline an incoming call.

Muting a Call

During a call, all sounds from inside the vehicle can be muted so that the person on the other end of the call cannot hear them.

Using the Infotainment Controls

Turn and press the outer ring of the  knob and select Mute Call. Press again to cancel mute.

Transferring a Call

Audio can be transferred between the Bluetooth system and the cell phone.

The cell phone must be paired and connected with the Bluetooth system before a call can be transferred.

To Transfer Audio from the Bluetooth System to a Cell Phone

During a call with the audio in the vehicle, touch Transfer Call on the screen or press and hold  /  on the steering wheel controls.

To Transfer Audio to the Bluetooth System from a Cell Phone

Use the audio transfer feature on the cell phone. See your cell phone manufacturer's user guide for more information. Touch the Transfer Call option on the screen or press and hold  /  on the steering wheel controls.

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.

Using the Infotainment Controls

1. Turn and press the outer ring of the  knob and select Enter Number.
2. Enter the phone number, or select Enter Number on the display and select digits, then touch OK.

Hands-Free Phone**Using Bluetooth Voice Recognition**

To use voice recognition, press  /  on the steering wheel controls. Use the commands below for the various voice features. For additional information, say "Help" while in a voice recognition menu.

Making a Call

Calls can be made using the following commands.

Dial or Call : These commands can be used interchangeably to dial a phone number.

Digit Dial : This command allows a phone number to be dialed by entering the digits one at a time.

Redial : This command dials the last number used on the cell phone.

To call a number:

1. Press  / . The system responds "Please say a command," followed by a tone.
2. Say "Dial" or "Call."
3. Say the entire number without pausing, followed by "Dial."

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

To call using a name tag:

1. Press  / . The system responds "Please say a command," followed by a tone.
2. Say "Dial" or "Call" and then say the name tag. For example, say "Call <name> at Work."

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

Using the "Digit Dial" Command

This allows a phone number to be dialed by entering the digits one at a time.

1. Press  / . The system responds "Please say a command," followed by a tone.
2. Say "Digit Dial."
3. Say each digit, one at a time, to dial. After each digit is entered, the system repeats back the digit it heard followed by a tone. After the last digit has been entered, say "Dial."

If an unwanted number is repeated back, say "Clear" to clear the last number.

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

Using the “Redial” Command

1. Press  / . The system responds “Please say a command,” followed by a tone.
2. After the tone, say “Redial.” The system dials the last number called from the connected cell phone.

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

Clearing the System

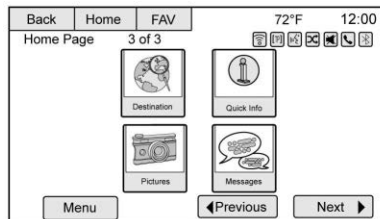
Unless information is deleted out of the vehicle Bluetooth system, it will be retained. This includes phone pairing information. For directions on how to delete this information, see “Deleting a Paired Phone/Device.” previously in this section.

Text Messaging

For vehicles equipped with Bluetooth capability, the system, if equipped with text messaging, can display text messages, play back a message over the audio system, and send a predefined message.

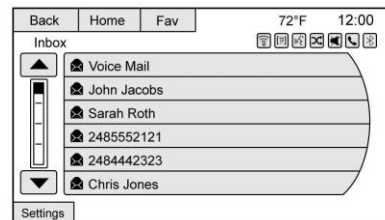
Not all phones support all functions and work with Bluetooth. The radio only supports the receipt of SMS text messages. A request may need to be accepted on the phone or some phone settings may need to be changed to allow text messaging to function. See the cell phone manufacturer’s user guide.

Using Text Messaging



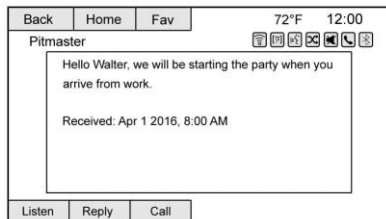
1. Touch Messages on the Home Page or select Text Messages from the Phone main screen. Until all text messages are retrieved, the Home Page icon will remain gray and the Phone main screen option will be removed.

This feature will be disabled if the paired Bluetooth device does not support SMS text messaging.

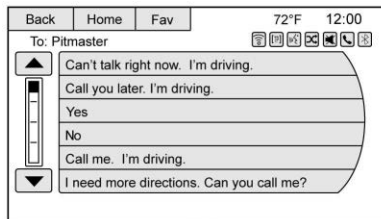


2. Once all messages are retrieved, the Text Message Inbox displays. Touch a message for viewing. Viewing messages is only available while the vehicle is not in motion.

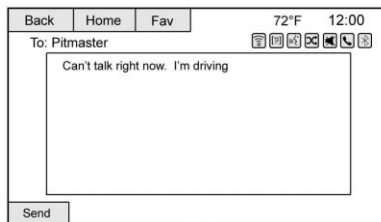
82 Bluetooth Phone/Devices



3. View the message or touch Listen to hear the message through voice recognition. The message view display is locked out while the vehicle is in motion.
- Touch Call to dial the contact or number associated with the text. Not all phones allow calling the sender of the message and will result in not being able to touch Call.
- Touch Reply to reply to a text message that was received as an incoming message. Not all phones allow message sending.

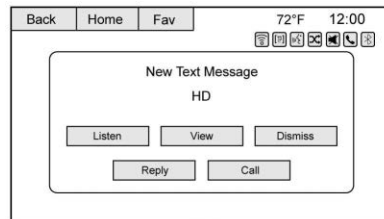


- Touch the desired message from the display of predefined messages to send as the reply message.



- Touch Send to send that message.
- Touch Back to cancel and return to the previous display.

Incoming Text Messages

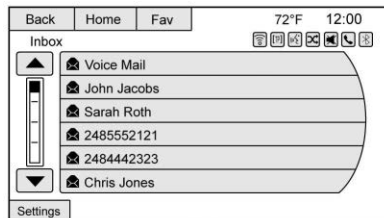


A pop-up displays when there is an incoming text. The pop-up will remain on the display until Dismiss is touched.

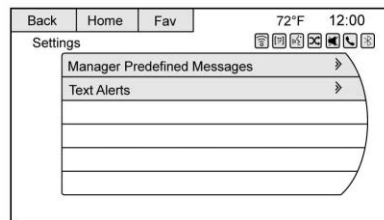
- Touch Listen to hear the message through voice recognition.
- Touch View to view the message. Viewing is not available while the vehicle is in motion.
- Touch Reply to reply to the message using a predefined message.
- Touch Call to dial the contact or number associated with the text.

- Touch Dismiss to close out the incoming pop-up message.

Text Messaging Settings



Text Message Settings are available from the Text Message Inbox.



- Touch Manage Predefined Messages to create a user defined message that can be used later to reply to a text message.
- Select Text Alerts to choose the alert behavior for incoming text messages:
 - Text alert with tone
 - Tone only
 - Off

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iPhone

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