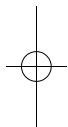
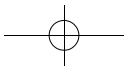
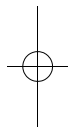


2013 Chevrolet Camaro Infotainment System

Infotainment System	3	Destination	42	Trademarks and License Agreements	76
Introduction	3	OnStar® Destination Download	50	Index	i-1
Infotainment	3	Configure Menu	52		
Overview	3	Global Positioning System (GPS)	61		
Using the System	7	Vehicle Positioning	62		
Software Updates	9	Problems with Route Guidance	63		
Radio	10	If the System Needs Service	63		
AM-FM Radio	10	Map Data Updates	63		
Radio Data System (RDS)	13	Database Coverage Explanations	64		
Satellite Radio	14	Voice Recognition	64		
Pandora Internet Radio	20	Personalization	68		
Stitcher Internet Radio	24	Home Page Customization	68		
Audio Players	28	Bluetooth Phone/ Devices	69		
Steering Wheel Controls	28	Bluetooth	69		
USB	28	Hands-Free Phone	75		
Auxiliary Devices	34				
Bluetooth Audio	34				
Navigation	35				
Using the Navigation System	35				
Maps	39				
Navigation Symbols	40				



Introduction

Infotainment



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

The information in this manual supplements the owner manual.

This manual describes features that may or may not be on your specific vehicle either because they are

options that you did not purchase or due to changes subsequent to the printing of this owner manual. Please refer to the purchase documentation relating to your specific vehicle to confirm each of the features found on your vehicle. For vehicles first sold in Canada, substitute the name "General Motors of Canada Limited" for Chevrolet wherever it appears in this manual.

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

Overview

Keeping your eyes on the road and your mind on the drive is important for safe driving. The infotainment system has built-in features intended to help with this by disabling some features when

driving. A pop-up displays when a feature is not available when the vehicle is in motion.

All functions are available when the vehicle is parked. Do the following before driving:

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

4 Infotainment System

WARNING

Taking your eyes off the road too long or too often while using the infotainment system could cause a crash and you or others could be injured or killed. Focus your attention on driving and limit glances at the infotainment screen. Use voice recognition whenever possible.

Modifications to any phone/device may result in the radio not working properly. Make sure that any device attached has the latest available operating system and has not been modified.

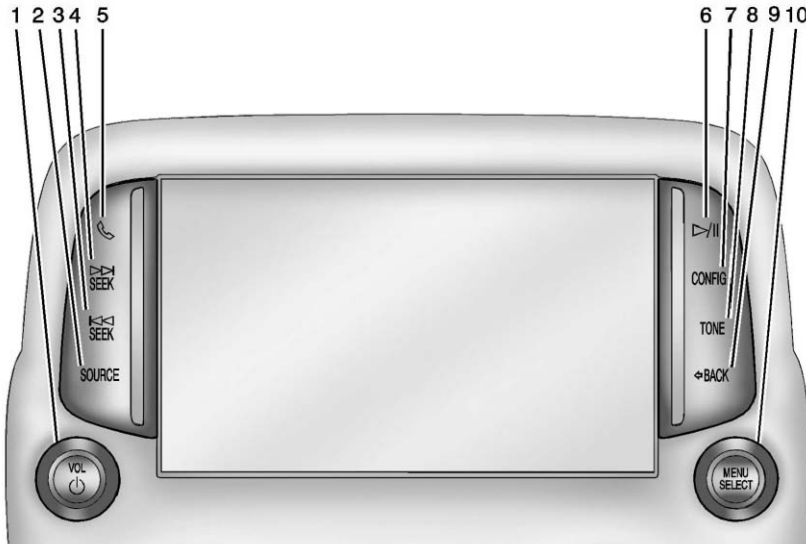
Some software on phones such as Task Management may affect the phone functionality of the radio.

Infotainment System Overview

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

See *Using the System* on page 7.

Infotainment System 5



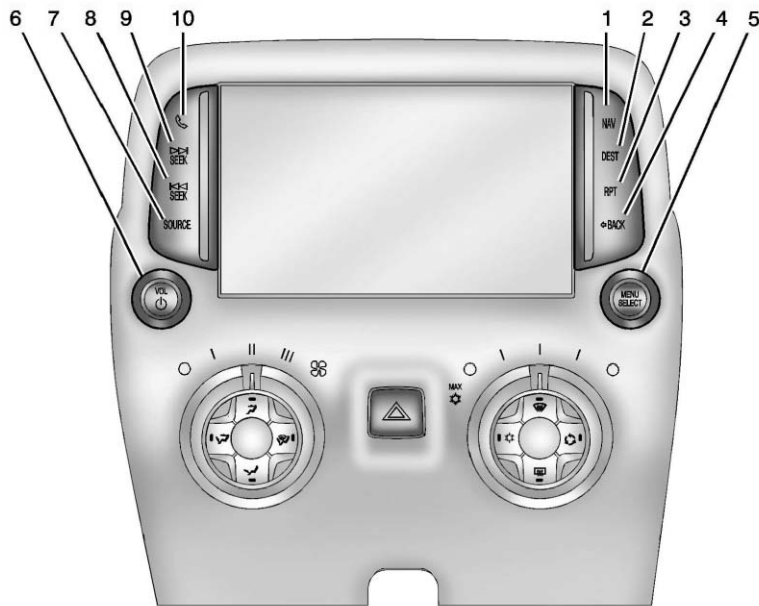
- 3. ⏪ SEEK
- 4. ⏩ SEEK
- 5. 📞 (Phone)
- 6. ▶/⏸ (Play/Pause)
- 7. CONFIG (Configuration Menu)
- 8. TONE
- 9. ◀ BACK
- 10. MENU/SELECT

ERROR - figure
pgwide="page-wide" and does not
match the graphic

Radio Without Navigation

- 1. VOL/⏻ (Volume/Power)
- 2. SOURCE

6 Infotainment System



Radio with Navigation

1. NAV (Navigation)

2. DEST (Destination)

3. RPT (Repeat)
4. ◀ BACK
5. MENU/SELECT
6. VOL/⏻ (Volume/Power)
7. SOURCE
8. ⏮ SEEK
9. ⏭ SEEK
10. ☎ (Phone)

Infotainment Control Buttons

The buttons on the faceplate are used to start primary functions while using the infotainment system.

NAV (Navigation):

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

DEST (Destination):

1. Press to enter a destination.

Infotainment System 7

2. If a destination has already been entered, press to access the Destination Menu. See *Destination on page 42*.

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

◀ **BACK:** Press to return to the previous screen in a menu.

If on a page accessed directly by a faceplate button or Home Page screen button, pressing ◀ **BACK** will go to the homepage.

MENU/SELECT: Turn to highlight a feature. Press to activate the highlighted feature.

VOL/⏻ (Volume/Power):

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

SOURCE: Press to change the audio sources such as AM-FM Radio, SiriusXM® (if equipped), and AUX.

⏮ **SEEK:**

1. 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 the previous track. If longer than five seconds, the current track starts from the beginning.
2. Press and hold to quickly reverse through a track. Release the button to return to playing speed. See *USB on page 28*.
3. For AM, FM, or SiriusXM (if equipped), press to seek to the previous strong station.

⏭ **SEEK:**

1. Press to seek the next track.
2. Press and hold to fast forward through a track.
3. Release the button to return to playing speed. See *USB on page 28*.
4. For AM, FM, or SiriusXM (if equipped), press to seek to the next strong station.

📞 **(Phone):** See *Bluetooth Audio on page 34*.

▶/⏸ **(Play/Pause):** Press to pause or resume play.

Touch Screen Buttons

Touch screen buttons are on the screen and highlighted when a feature is available. Some toggle screen buttons highlight when active and gray out when inactive.

Using the System

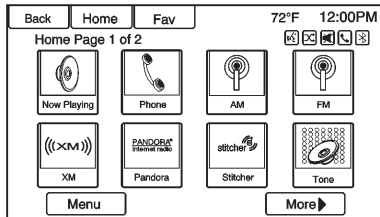
The infotainment system is controlled by touching the screen; by using the knobs, and other buttons.

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 on page 64*.

8 Infotainment System

Home Page



Touch Screen Buttons

The Home Page allows access to many of the features.

Back: Press to return to the previous page.

Home: Press to go back to the Home Page.

Fav: Press to display a page of stored (favorite) AM, FM, or SiriusXM® (if equipped) stations. Keep pressing Fav to scroll through the favorite pages.

More ►: Press to go to the next page.

Page 1 of the Home Page Menu can be customized. Up to eight icons can be selected and sorted for the first Home Page screen.

To customize the Home Page, press Menu and use one of the following options:

Customize: Press to select an application to add to page 1 of the Home Page.

Sort: Press to select an icon to move and swap with another icon.

Restore Home Page Defaults: Press to restore the default icons on the Home Page. Select Yes or Cancel.

See *Home Page Customization on page 68*.

Home Page Features

Touch screen buttons are highlighted when a feature is available.

Various functions are disabled when the vehicle is moving.

Now Playing: Press to display the active source page. The sources that may be available are AM, FM, SiriusXM (if equipped), Pandora, Stitcher, USB, AUX, and Bluetooth Audio.

See *AM-FM Radio on page 10*, *Satellite Radio on page 14*, *Auxiliary Devices on page 34*, *Pandora Internet Radio on page 20*, and *Stitcher Internet Radio on page 24*.

Phone: Press to display the Phone main page. See *Bluetooth on page 69* and *Hands-Free Phone on page 75*.

Config: Press to display the Configuration Settings main page. From this display, adjust the language, time and date, radio, phone, display, and vehicle settings.

Tone Settings: Press to display the Tone Settings main page. Adjust the tone and speakers by pressing the screen buttons to change the levels of sound for Bass, Mid

(Midrange), Treble, EQ, Fade, and Balance. See *AM-FM Radio on page 10*.

FM: Press to display the FM main page and play the current or last tuned FM station. See *AM-FM Radio on page 10*.

AM: Press to display the AM main page and play the current or last tuned AM station. See *AM-FM Radio on page 10*.

XM: Press (if equipped) to display the SiriusXM main page and play the current or last tuned SiriusXM station. See *Satellite Radio on page 14*.

Pandora: Press to display the Pandora main page and play the current or last tuned station. See *Pandora Internet Radio on page 20*.

Stitcher: Press to display the Stitcher main page and play the current or last tuned station. See *Stitcher Internet Radio on page 24*.

Bluetooth Audio: Press to display the Bluetooth Audio main page and play the current or last song played. See *Bluetooth Audio on page 34*.

USB Media: Press to display the USB Media main page and play the current or last track selected. See *USB on page 28*.

AUX: Press to access any connected auxiliary device. See *Auxiliary Devices on page 34*.

Software Updates

The vehicle is capable of being updated. These updates can provide new features or enhancements, and support for new devices. To download updates, see the specific vehicle websites following. Log into the website with either a new user name and password, or an existing OnStar.com user name and password. Detailed instructions are on the website. The updates must

be saved to a customer provided USB drive, then saved to the vehicle.

To update:

1. Place the vehicle in P (Park), start the engine, and turn the radio on. The engine must be running until the update is completed.
2. Insert the USB drive into the USB port.
3. Press CONFIG.
4. Press Radio Settings.
5. Press Software Versions Menu.
6. Press Update Radio Software.
7. The radio will search the USB drive for software and verify the update. This process takes approximately five minutes.
8. Press the Start Software Update button and follow the on-screen prompts. The radio will show the progress for each update.

10 Infotainment System

The message Software Update Successful will display and the radio will restart.

After the update, Bluetooth devices will need to be re-paired and USB devices may need to be re-indexed.

Remove the USB drive when the update is complete.

If you do not have access to the website, and the device is not functioning properly, see your dealer.

Website Information

See the website for more information, including software updates:

Chevrolet MyLink



In the U.S., visit www.chevrolet.com/mylink.

In Canada, visit www.chevrolet.ca.

Chevrolet Customer Assistance Center

(US) 1-800-222-1020

(Canada) 1-800-263-3777

Radio

AM-FM Radio

Playing the Radio

VOL/⏮ (Volume/Power):

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

The steering wheel controls can also be used to adjust the volume. See *Steering Wheel Controls* on page 28.

Radio Operation

The radio will work when the key is in ON/RUN or ACC/ACCESSORY. When the key is turned from ON/RUN to LOCK/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 the power button on the radio and will stay on for

Infotainment System 11

10 minutes. Opening the driver door will not turn the radio off when pressing the power button.

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

The radio can be turned off at any time by pressing the power button.



Audio Source

Press SOURCE to display and scroll through the available sources AM, FM, SiriusXM® (if equipped), Pandora, Stitcher, USB, AUX, and Bluetooth Audio.

Infotainment System Settings

Tone Settings

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

To adjust the settings:

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

- **Balance:** Press the L or R button for more sound from the left or right speakers. The middle position balances the sound between the left and right speakers.

Finding a Station

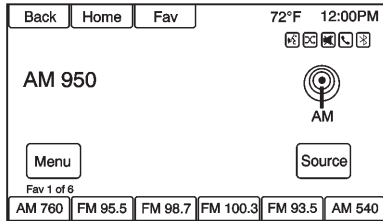
Press SOURCE to select AM, FM, SiriusXM (if equipped), Pandora, Stitcher, USB, AUX, and Bluetooth Audio.

Turn the MENU/SELECT knob to find a radio station. To select a preset station, press FAV to scroll through the favorite pages and then press a preset button on the radio or the screen button.

Seeking a Station

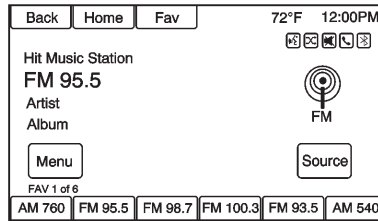
Press ⏪ or ⏩ to search for a station.

12 Infotainment System



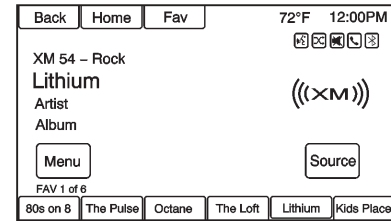
AM

1. Press the AM screen button on the Home Page or select AM by pressing SOURCE, or say “Tune AM” or “AM” through voice recognition.
2. Press the Menu screen button to display the AM stations or categories.
3. Press to select an option. To update the station list, press Refresh.



FM

1. Press the FM screen button on the Home Page or select FM by pressing SOURCE, or say “Tune FM” or “FM” through voice recognition.
2. Press the Menu screen button to display the FM stations or categories.
3. Press to select an option. To update the station list, press Refresh.



SiriusXM (If Equipped)

1. Press the XM screen button on the Home Page or select XM by pressing SOURCE, or say “Tune XM” or “XM” through voice recognition.
2. Press the Menu screen button to display the SiriusXM categories.
3. Press a category and then turn the MENU/SELECT knob to scroll the station list. Press to select 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 one of the preset screen buttons at the bottom of the screen. After a few seconds, a beep is heard and the new preset information displays on that screen button.
2. Repeat for each preset.

Mixed-Band Presets

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

To scroll through the pages, press the Fav screen button on the top bar. The current page number displays above the preset buttons. The stored stations for each favorite page display on the preset buttons.

To change the number of favorite pages displayed:

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

Recalling a Preset Station

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

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

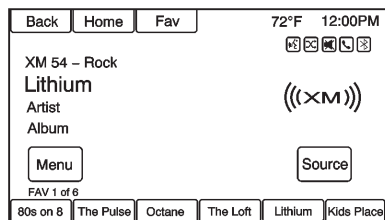
When information is broadcast from the current FM station, the station name or call letters display on the audio screen. RDS can provide a

14 Infotainment System

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

Satellite Radio

SiriusXM® Satellite Radio Service



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

SiriusXM satellite radio has a wide variety of programming and commercial-free music, coast to coast, and in digital-quality sound. See www.siriusxm.com or call

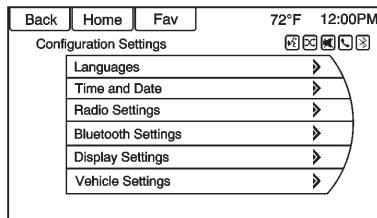
1-866-635-2349 in the U.S. In Canada, see www.xmradio.ca or call 1-877-209-0079.

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

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 faceplate or the CONFIG screen button on the Home Page.
2. Select Radio Settings from the Settings Menu list.
3. Select XM Categories.
4. Select or deselect any category to be used in XM mode.
A checkmark will indicate that the category is selected.

Press “Show All XM Categories” to restore all SiriusXM categories.

SiriusXM Channel Art

SiriusXM provides updated category background art and the radio will automatically update the screen. SiriusXM may send updated category art to the vehicle. When this happens, the background art may appear to be incorrect but the

Infotainment System 15

radio will update once all of the graphics have been downloaded from SiriusXM.

To turn SiriusXM channel art on or off:

1. Press CONFIG on the faceplate or the Config screen button on the Home Page.
2. Select Radio Settings from the Settings Menu list.
3. Press XM Channel Art to turn on or off.

SiriusXM Messages

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

XM Updating: The encryption code in the receiver is being updated. No action is required.

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

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

Channel Unauth: This station is blocked or cannot be received.

Channel Unavailable: This previously assigned station is no longer assigned.

No Artist Info: No artist information is available at this time on this station.

No Title Info: No song title information is available at this time on this station.

No CAT Info: No category information is available at this time on this station.

No Information: No text or informational messages are available at this time on this station.

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

CAT Not Found: There are no stations available for the selected category.

XM Radio ID: If tuned to station 0, this message alternates with the SiriusXM radio eight-digit radio ID label. This label is needed to activate the service.

Unknown: If this message is received when tuned to station 0, there could be a receiver fault. Consult with your dealer.

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

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

SiriusXM NavTraffic® (If Equipped)

The navigation system might have an SiriusXM NavTraffic receiver. It is a subscription service provided through SiriusXM Satellite Radio.

16 Infotainment System

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” in this section for more information.

A screen displays to indicate that the SiriusXM Traffic subscription is not activated.

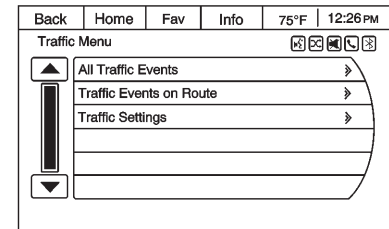
If activated, traffic information displays:

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

Traffic information is delivered to the vehicle by the SiriusXM Radio satellites. 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. Visit www.xmnavtraffic.com for more details on local coverage.

To access the traffic features, press the XM Traffic button on the Home Page or map screen.



All Traffic Events: Press 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: Press to display a list of reported traffic conditions on the current route. The button is toned down if no route is active.

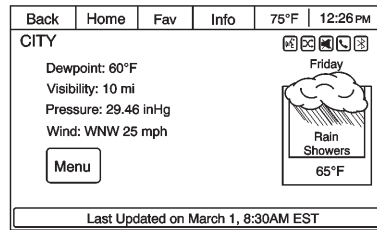
Traffic Settings: Press to customize traffic options.

SiriusXM® Weather (If Equipped)

From the Home Page, press the XM Weather screen button. The system displays the current weather page.

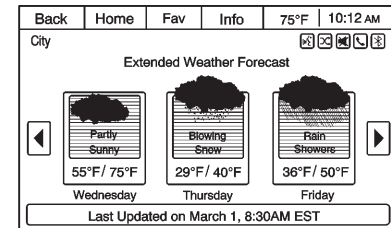
Current Condition

The current weather page shows the current weather condition in the city of the vehicle's current position. On this page, select the Menu screen button to access other weather options, such as Extended Forecast, Weather Along the Route, Weather Around Other Cities, and Weather Alerts.



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

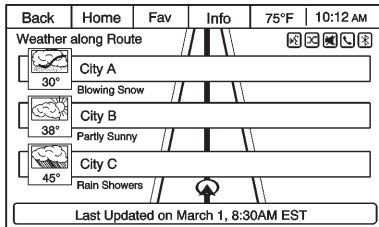
Extended Forecast



Press to show the extended forecast.

18 Infotainment System

Weather Along the Route



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

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

Weather Alerts

From the XM Weather Menu, press the Weather Alerts screen button to display any current weather advisory warnings in effect near the current position.

Weather Around Other Cities

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

Restore to Current Location

Press the Restore Current Location screen button to display the weather condition for the city where the vehicle is currently located, if the system was modified to view weather conditions in another city.

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 Weather – National and Local Weather gives current and forecasted weather with radar images.
- Travel Link Fuel Prices – Detailed nation wide fuel price information may be available.
- Travel Link Movie Listings – Detailed local movie theater listings, start times, and ratings may be available.
- Travel Link Sports Scores – During game and final scores as well as weekly schedules may be available.
- Travel Link Stocks – Setup a personal portfolio of stocks and watch as they move up or down throughout the day.

National and Local Weather

Whether near home or on a long road trip, detailed weather information is available. SiriusXM Travel Link Weather uses the same sources that professional pilots and mariners rely on.

Fuel Pricing

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

Press the list Sort button to change the sort method. The default sort method is based on distance with the closest fuel stations shown at the top of the list. Press on the Sort button to cycle through the sorting options of distance, price, or name.

The last viewed sorting method is displayed and is retained over ignition cycles.

If the sorting method of price has been selected, the fuel stations in the list will appear from the lowest to the highest price based on the fuel type selected. For gasoline, the price shown is for regular unleaded. When diesel is selected as the fuel type, the diesel price is shown.

Sports Scores

Setup a personalized sports profile. Listen to a favorite channel on SiriusXM satellite radio, and watch the scores from a game at the same time. This service includes:

- Game Schedules
- Play-by-play details
- Football – Professional and College Basketball
- Baseball
- Baseball
- Motorsports
- Plus golf and more

Movie Listings

When the details for a movie theater are shown, there is additional information about the theater. If movie titles and showtimes are available for the selected theater, this information is shown in the additional details area of this display.

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

Details shown includes:

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

Stocks

Setup a personal portfolio of stocks and watch as they move up and down throughout the day.

20 Infotainment System

This service includes:

- Track current price and daily delta of around 7000 actively reported securities traded on the NYSE®, NASDAQ®, and AMEX®.
- This service is delayed approximately 20 minutes.

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

A phone or tablet with Internet connection and the Pandora application installed is required.

Personal cell phone data plans are used. Make sure the latest version is installed on the device and the volume is turned up.

To install Pandora:

- On an Android™ phone or Android Tablet, go to the Android Market, 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 on page 34* or *Bluetooth on page 69*. 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 the iPhone, iPod touch, or iPad

1. Plug the device into the USB port. The phone screen must be unlocked.
2. To launch, do one of the following:
 - Launch the application on the device.
 - Press Pandora on the Home Page.
 - Press ⌘ / 🔍 and say “Pandora” or “Tune Pandora.”

To relaunch Pandora, press SOURCE on the faceplate or SRC on the steering wheel controls.



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

Infotainment System 21

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.

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.
 - Press Pandora on the Home Page.
 - Press  /  and say “Pandora” or “Tune Pandora.”



After Pandora has been launched, press SOURCE on the faceplate or SRC on the steering wheel controls to access Pandora features.

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

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

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.
 - Press Pandora on the Home Page.
 - Press  /  and say “Pandora” or “Tune Pandora.”

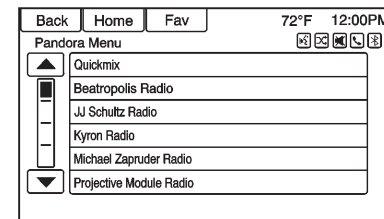
After Pandora has been launched, press SOURCE on the faceplate or SRC on the steering wheel controls to access Pandora features.

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

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

Pandora Menus

Press Menu on the Pandora main page.



22 Infotainment System

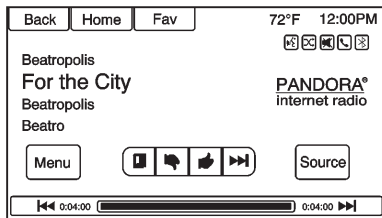
Pandora has a menu system with the following:

Quickmix: Press to play the stations in random order.

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

Pandora Features

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



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

(Thumbs Down): When pressed, 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.

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

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

(Play/Pause): Press on the radio to pause playback. Press again to resume.

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 be displayed and the skip track button is not available.

Switching Between Pandora and Stitcher

To switch between Pandora and Stitcher, press the application icon on the iPhone, iPod touch, or iPad. This is not required for Android devices. See *Stitcher Internet Radio on page 24*.

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  buttons, the message "Thumbs Down Error" or "Thumbs Up Error" will display. Press OK to retry.

Loss of Audio

Loss of Pandora audio can happen in different ways:

- Weak or lost data connection.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio lost.
- 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 your phone or restart the phone app and try again" will display. Press OK to retry.

24 Infotainment System

Common Pandora Messages

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

Paused or Audio Paused:

Playback is paused on the radio or device. Press ▶/|| or play on the device.

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

Please Unlock Your Phone or Restart Phone App and Try Again:

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

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 discover new shows through 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 Market, 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 on page 34* or *Bluetooth on page 69*. 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 the iPhone, iPod touch, or iPad

1. Plug the device into the USB port. The phone screen must be unlocked.

Infotainment System 25

- Use one of the following to launch:
 - Press the application on the device.
 - Press Stitcher on the Home Page.
 - Press  /  and say "Stitcher" or "Tune Stitcher."
- If Stitcher does not begin playing, select a category and then a station.



After Stitcher has been launched, press SOURCE on the faceplate or SRC on the steering wheel controls to access Stitcher features.

If nothing happens when the available Stitcher screen button is pressed, 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.

Using an Android Phone

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

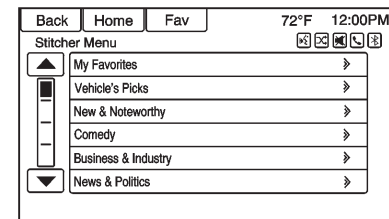
After Stitcher has been launched, press SOURCE or SRC on the steering wheel controls to access Stitcher features.

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

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

Stitcher Menus

Press Menu on the Stitcher main page.



Stitcher has a menu system with the following:

My Favorites: Displays a list of favorite stations and shows.

26 Infotainment System

Select and store programs as favorites on the device and then access them through My Favorites.

Stitcher Station Categories:

Displays categories by topic.

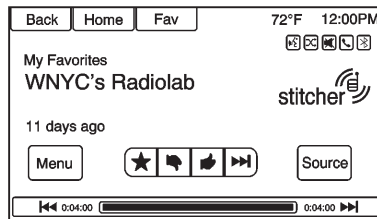
When a category then subcategory is selected, the radio will start playing the first program in that subcategory.

Turn the MENU/SELECT knob to bring up the first 24 stations of that subcategory.

Current Station Playlist: While listening to a show, turn the MENU/SELECT 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.



★ **(Favorites):** When pressed, the current show is added to the favorites station.

👎 **(Thumbs Down):** When pressed, Stitcher changes to the next show. This helps Stitcher provide a personalized listening experience.

👍 **(Thumbs Up):** When pressed, Stitcher stores this information and 👍 is highlighted for the remainder of the show. This helps Stitcher provide a personalized listening experience.

▶▶ **(Next Show):** When pressed, Stitcher changes to the next show.

⏸/⏪ **(Play/Pause):** Press on the radio to pause playback. Press again to resume.

Stitcher Advertisement

Stitcher may display advertisements. Artist name and title may not be displayed and the skip track button is not available.

Switching Between Pandora and Stitcher

To switch between Pandora and Stitcher, press the application icon on the iPhone, iPod touch, or iPad. This is not required for Android devices. See *Pandora Internet Radio on page 20*.

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.

Infotainment System 27

3. Open and close the driver door, wait about 30 seconds, and try to connect the device again.

Unable to Start Stitcher

If the device is unable to launch Stitcher:

- Check that the latest version of Stitcher is installed.
- Check that there is an active account logged into Stitcher.
- Have at least one station created.
- For Android devices, check that the device is paired with the vehicle, and the Bluetooth icon on the display is highlighted.
- For iPhone, iPod touch, or iPad devices, check that the USB cable is connected to the USB port and the screen is unlocked.
- Close Stitcher on the device and launch again. Devices that allow multitasking may require an

extra step to quit the Stitcher application. See the cell phone manufacturer's user guide.

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 your phone or restart the phone app and try again" will display. Press OK to retry.

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. Press OK to continue.

Paused or Audio Paused:

Playback is paused on the radio or device. Press \triangleright /|| or play on the device.

Please See Device: When the user is not logged in or when authentication failed, see the device. Press OK to continue. Disconnect the phone from the radio and follow the Stitcher account login process on the phone.

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

28 Infotainment System

Please Choose a New Station:

The end of the station has been reached and there is no more content to play. Select a new station through the Stitcher menu.

Please Unlock Your Phone or Restart Phone App and Try Again:


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



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



Audio Players

Steering Wheel Controls


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


  **(Push to Talk):** Press to interact with Bluetooth or voice recognition. See *Bluetooth* on page 69 or *Voice Recognition* on page 64.

  **(Mute/End Call):** Press to decline an incoming call, or to end a current call. Press to silence the vehicle speakers while using the infotainment system. Press again to turn the sound on. Press to cancel voice recognition.

 **SRC**  **(Thumbwheel Control):** Press to select an audio source.

Use the thumbwheel to select the next or previous favorite radio station, USB, and Bluetooth Audio.

Use  SRC to skip to the next song or show using Pandora or Stitcher. See *Pandora Internet Radio* on page 20 or *Stitcher Internet Radio* on page 24.

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

See “Steering Wheel Controls” in the owner manual.

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.

The USB port is in the center console under the armrest.

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

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

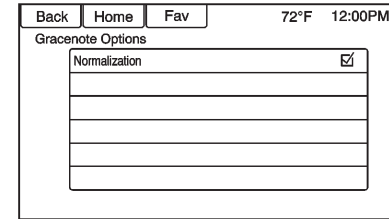
Names: Gracenote improves music search and navigation by identifying bands, artists, and albums names that may be hard to pronounce, irregular spellings, and nicknames. For example, Gracenote helps the

system understand artist names like “INXS” or “Mötley Crüe.” It also allows the use of names like: “The Boss,” “G.N.R.,” “The Fab Four,” and thousands of other famous artist nicknames as voice commands to access music. See *Voice Recognition on page 64.*

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 or Config on the Home Page.
2. Press Radio Settings, then press Gracenote Options.



3. Press 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 not 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 cover art will be used.

Gracenote Indexing

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

30 Infotainment System

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 "New Media Device Ready" plays, the device is ready for voice recognition music search. On the next connection or ignition cycle, "Indexing" will show briefly on the screen. 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 Player and USB Drives

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

- The radio will not be able to play back write-protected music.
- File systems supported: 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: eight levels.
 - Maximum number of MP3/WMA files that can be displayed: 10,000.
 - Playlist entries must be in the form of relative paths.
 - The system attribute for folders/files that contain audio data must not be set.

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

- Connect the USB and it begins to play.
- Press the Now Playing screen button on the Home Page.
- Press SRCE to scroll until the USB source screen is available.

- Press  /  on the steering wheel controls to select songs by Artist, Album, Song Title, or Song Genre. See *Voice Recognition on page 64*.

The following playlist formats are supported:

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

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

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

MENU/SELECT Knob: Turn to scroll through the list. Turn quickly to fast scroll alphabetically through large lists.

⏮/⏪ (**Play/Pause**): Press to start, pause, or resume play of the current media source.

⏮ (**Seek Down/Reverse**):

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

⏭ (**Seek Up/Forward**):

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

USB Menu

The following are available through the USB Menu:

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

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

Playlists:

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

Artists:

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

Albums:

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

Songs:

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

Genres:

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

32 Infotainment System

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® (6th generation)
- iPod nano® (3G, 4G, 5G, and 6G)
- iPod touch® (1G, 2G, 3G, and 4G)
- iPhone® (2G, 3G, 3GS, and 4)
- iPad® (1G, 2G)

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:

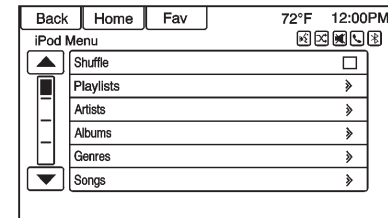
1. Connect one end of the standard iPod USB cable to the iPod's dock connector.
2. Connect the other end to the USB port in the center console.

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



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

Use the iPod Menu to select:

Playlists:

1. Press to view the playlists on the iPod.
2. Select a playlist name to view a list of all songs in the playlist.

3. Select the song from the list to begin playback.

Artists:

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

Albums:

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

Genres:

1. Press to view the genres on the iPod.

2. Select a genre name to view a list of artists of that genre.
3. Select an artist to view albums or All Albums to view all albums of that genre.
4. Select Artist to view albums.
5. Select Album to view songs.
6. Select the song from the list to begin playback.

Songs:

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

Podcasts:

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

Composers:

1. Press to view the composers on the iPod.

2. Select the composer to view a list of songs by that composer.
3. Select a song from the list to begin playback.

Audio Books:

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

Playing from an iPhone or iPad

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

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 on page 64*.

iPad and iPhone Troubleshooting

When an iPhone and iPad are connected through USB and Bluetooth, the audio may not be heard when an iPhone or iPad

34 Infotainment System

source on the radio is selected. If a phone call is received while listening to an iPad and there is no audio for the iPad after the call, then go to the Airplay icon on the device and select dock connector, or disconnect and reconnect the dock connector on the device.

Bluetooth Audio and Voice Recognition

See *Bluetooth Audio on page 34* and *Voice Recognition on page 64* for information using voice recognition with Bluetooth audio.

Make sure all devices have the latest software downloaded.

Auxiliary Devices

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 SOURCE to scroll all of the available audio source screens, until the AUX source screen is selected.
- Say "Play Front AUX" using voice recognition to play the auxiliary device. See *Voice Recognition on page 64*.

Bluetooth Audio

If equipped, music may be played from a paired Bluetooth device. See "Pairing a Phone/Device" under *Bluetooth on page 69*.

To play music through Bluetooth device:

1. Power on the device, pair, and connect the device.
2. Music can be launched by doing one of the following:
 - Press the Bluetooth Audio screen button on the Home Page.
 - Press SOURCE until Bluetooth Audio is selected.
 - Press the SRC button on the steering wheel controls until Bluetooth audio is selected. See *Steering Wheel Controls on page 28*.
 - Use voice recognition. See *Voice Recognition on page 64*.

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

Bluetooth Audio Menu

Press the Menu screen button and the following may display:

Shuffle: Press the MENU/SELECT knob to turn shuffle on or off. Not all devices support the shuffle feature.

When selecting Bluetooth audio, the audio player may not be able to launch. All devices launch and play back audio differently. Make sure the correct audio source is playing on the device for Bluetooth audio playback 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 show as paused on the screen. Press play on the device or push \triangleright/\parallel to begin playback.

Some phones support sending Bluetooth music information to display on the radio. When the radio

receives this information, it will check to see if any album art is available and display it. For more information about phone-supported Bluetooth features, see “Website Information” under *Software Updates on page 9*.

To play a Bluetooth phone as the audio source, it must be the active application on the home screen.

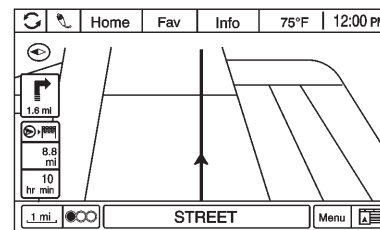
When listening to Bluetooth audio, the audio that will play through the radio will be what is active or open on the phone.

As new devices are introduced, see “Website Information” under *Software Updates on page 9*.

Navigation

Using the Navigation System

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

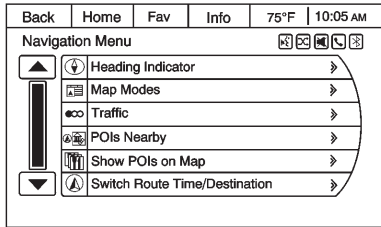


Press the NAV button again to change between alternative views of the normal split and full map views.

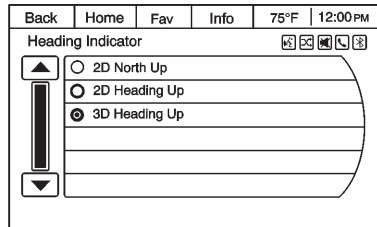
The Menu screen button at the bottom right side of the display accesses the Navigation Menu.

36 Infotainment System

The touch-sensitive buttons available are:



Heading Indicator

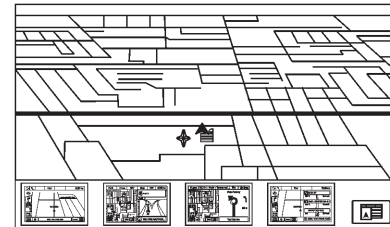


Press Heading Indicator to display the Map View. There are three indicator settings:

- 2D North Up – Displays North at the top of the map screen 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

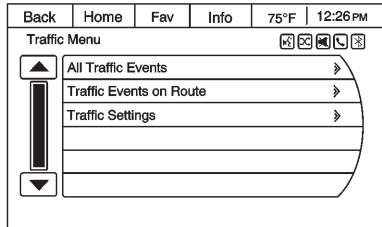


Press to change the view of the maps while using the navigation function. The system offers a variety of full and split views. Some views are only selectable when route guidance is active.



An alternative method to change the view of the maps would be to press the map mode icon.

Traffic

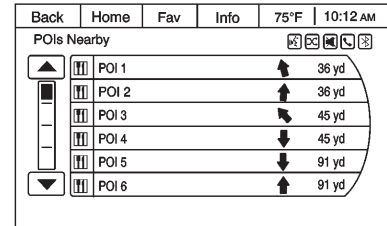


Press Traffic to display the Traffic Menu. Press the desired option.

Options available are:

- All Traffic Events – Press to view all reported traffic events while on or off a planned route.
- Traffic Events on Route – Press to view traffic events while on a planned route.
- Traffic Settings – Press to customize traffic options. This feature can also be accessed by pressing the traffic light screen button displayed at the left lower side of the map screen. See *Configure Menu on page 52* in this section.

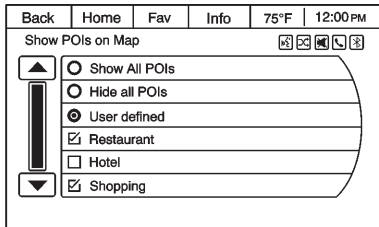
POIs Nearby



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

38 Infotainment System

Show POIs on Map



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

Switch Route Time/Destination

Press to customize the Arrival/Travel time and Waypoint/Destination information that is displayed in the main map screen.

Current Position Information

Press to display a split screen showing detailed information about the vehicle position. This feature

can also be accessed by pressing the vehicle information tab on the lower center of the display.

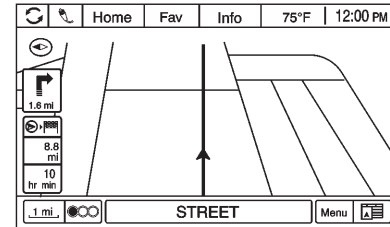
Destination Information

Press to display a split map screen showing the next waypoint/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 methods to change the map scale:

- Turn the TUNE/MENU knob clockwise or counterclockwise to zoom out or in.
- Press the Map Scale button on the left bottom corner of the map screen 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)” in the owner manual.

Scroll Features

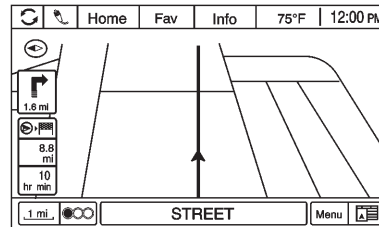


- To scroll within the map, touch anywhere on the map screen and the scroll symbol displays.
- Tap the map to center at that location on the screen.
- Press and hold the screen in any direction outside the scroll symbol to scroll the map in that direction.
- Scroll speed increases when touching closer to the edge of the screen.

- Press NAV on the faceplate to exit map scrolling and return to the current vehicle location on the map.



Press the cycling arrows at the top of the map screen to toggle from the normal top bar (Home and FAV) to the audio information bar.



Maps

This section includes basic information that you need to know about the map database.

The maps are stored on a Secured Digital (SD) card 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 or map database corrections that are completed after the production of

40 Infotainment System

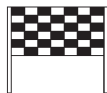
the SD card. The navigation system provides full route guidance in the detailed map areas.

Navigation Symbols

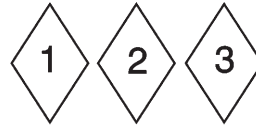
Following are the most common symbols that appear on a map screen.



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



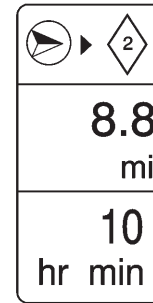
The destination symbol marks the final destination after a route has been planned.



The waypoint symbol marks one or more set waypoints.

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

The estimated time and distance to the destination are displayed.



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



This symbol indicates that the map view is North up: North up displays North at the top of the map screen regardless of the direction the

Infotainment System 41

vehicle is traveling. Select this screen symbol to change the view to Heading up or 3D.



This symbol indicates that the map view is Heading up.

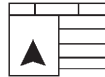
Heading up view displays the direction the vehicle is traveling at the top of the map screen. The shaded triangle indicates North.

Press this screen symbol to change to 3D mode.

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



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

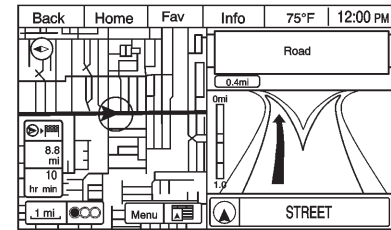


This symbol located at the bottom of a map screen brings up the map speed pop-up screen.

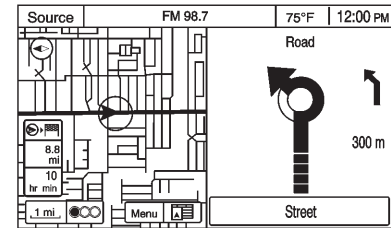
Driving on a Route

Urgent Maneuver Alert

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



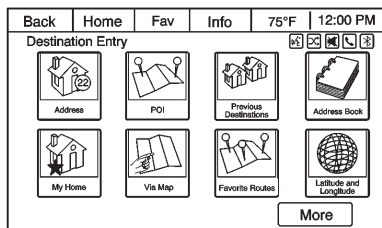
Driving on a Highway



Driving on a Residential Road

42 Infotainment System

Destination



If route guidance is not active, press the Destination Entry screen button on the Home Page or the DEST button on the faceplate to access the Destination Entry screen. Several options can be selected to plan a route by entering destinations. Some destination entry items such as Previous Destinations, 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 screen as alpha/numeric keyboards. The alpha keyboard displays when data needs to be entered.

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

Symbols: Use to select symbols.

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

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

Address Entry








Press the Address screen button to display the Enter Address screen. Set a route by entering the state name, city name, street name, house number, and intersection.

If no state or province has been entered previously, the city and state fields are not available. Press the screen button at the right of the city name to select a state or province.

If the state or province was previously set and is displayed, press the screen button at the right of the city name to change the selected state or province.

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

Back	Home	Fav	Info	75°F	12:29 PM
Enter Address     					
City:		<input type="text"/>	<input type="button" value="MI"/>		
Street:		<input type="text"/>			
House No.:		<input type="text"/>			
Intersection:		<input type="text"/>			
<input type="button" value="Done"/>					

State: Enter a state name.

City: Enter a city name.

Street: Enter a street name.

House No.: Enter a valid address number.

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








Entering the city name first:

1. Enter the city name.

2. Enter the street name. Use the Delete screen button 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. Press the List screen button to view the list and select the street.

3. Enter the house number.
4. Press the Done screen button at any time and the system tries to resolve a destination based on the entered information, then displays it on the Destination Confirmation screen.

Back	Home	Fav	Info	75°F	9:26 PM
Destination Confirmation     					
Start Guidance					
Show on Map		Restaurant			
Route Options		1 MAIN STREET			
Call		ANY CITY			
Save as Home		(555) 123-4567			
Save		 32 mi			

5. Press the Start Guidance screen button and the route calculates.

Entering the street name first:

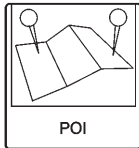
1. Make sure the state has been entered before selecting the street name field. Enter the street name. Do not enter directional information or street type. Use the Delete screen button to delete an incorrect character.

44 Infotainment System

A list displays if six or fewer names are available. If there are more than six, press the List screen button to view the list and select the street.

2. Select the city from the list or enter the city name.
3. Enter the house number.
4. Press the Done screen button.
5. Press the Start Guidance screen button and the route calculates.

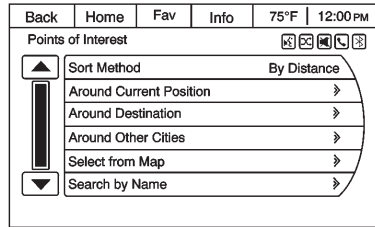
Points of Interest (POI)



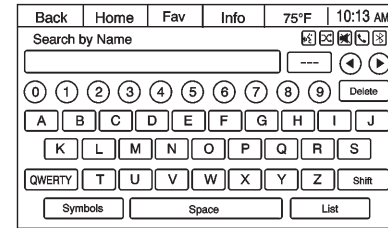
Press the Points of Interest screen button on the Destination Entry page. Several options can be selected to plan a route.

The POI entry list allows selection of a destination by category search, selection from map, or search by name method.

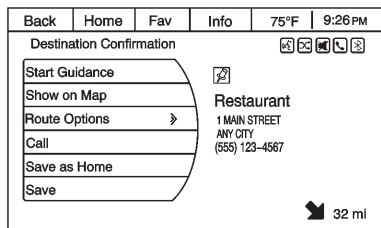
Entering by POI name:



1. Select Search by Name.



2. Make sure the correct state is selected, then select Name.
3. Enter the POI name.
4. Select a few of the characters or spell the name in full, by pressing on the alpha keyboard.
5. Press the List screen button, or if the list has six or fewer items, a list of POIs will immediately display.
6. Press the desired POI.



7. Press the Start Guidance screen button and the route calculates.

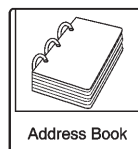
Previous Destinations



Select 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 by doing the following:

1. Press the Home Page Destination or DEST faceplate button.
2. Enter an address using any of the destination methods (Address Entry, POI Entry, etc.).
3. On the Destination Confirmation screen, select Save.
4. The system displays the options Name, Number, Icon, and Done. Press 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, press the Home Page Destination Entry or DEST faceplate button to display the Address Book screen button.

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

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

To edit Address Book entries:

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





46 Infotainment System

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

Latitude/Longitude Coordinates



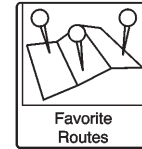
Choose a destination based on latitudinal and longitudinal coordinates.

Back	Home	Fav	Info	75°F	10:14 AM
Enter Destination via Lat/Long    					
Latitude:		<input type="text" value="N 42° 27' 36"/>			
Longitude:		<input type="text" value="W 82° 53' 40"/>			
					<input type="button" value="Done"/>

To enter the location as coordinates, latitude and longitude:

- Press the Home Page Destination screen button. Press the Latitude and Longitude screen button to display the screen above.
- Enter the Latitude and Longitude coordinates for the destination in degrees, minutes, and seconds.
- Press the Done screen button if the information is correct.
- Press the Start Guidance screen button. The route calculates.

Favorite Routes



Adding a Favorite Route:

- Press the Home Page Destination Entry or DEST faceplate button to display the Favorite Routes screen button.
- Press the Favorite Routes screen button to display Add Favorite Route.
- Select Add Favorite Route and enter a favorite route name.
- Press OK and the display returns to the favorite routes list.
- Select 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. Press the Home Page Destination Entry or DEST faceplate button to display the Favorite Routes screen button.
2. Press the Favorite Routes screen button to display a list of available favorite routes.
3. Scroll and select a favorite route.
4. Press the Start Guidance screen button. The route calculates.

Deleting a favorite route:

1. Press the Home Page Destination Entry or DEST faceplate button to display the Favorite Routes screen button. Press this button to display the list of available favorite routes.
2. Scroll and select the route to be deleted.
3. Press Edit.
4. Press Delete Favorite Route.

Changing the route name:

1. Press the Home Page Destination Entry or DEST faceplate button to display the Favorite Routes screen button. Press this button to display the list of available favorite routes.
2. Press the Edit screen button.
3. Select Edit Name.
4. Using the keypad, enter the name.
5. Press the Done screen button. The new name will be in the Favorite Routes Menu.

My Home

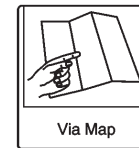


If no home destination is entered, save a destination by pressing the Home Page Destination Entry or DEST button on the faceplate. Enter

a destination using any of the destination entry methods (Address Entry, POI Entry, etc.). Select Save as Home from the Destination Confirmation screen.

If a destination is already saved as home, press the Home Page Destination Entry or DEST faceplate button to display the My Home screen button. Press this button to start route guidance.

Pick from Map



- Press the Home Page Destination Entry or DEST faceplate button to display the Pick from Map screen button. Press this button to display the map screen with a scroll symbol centered on the map.

48 Infotainment System

- Press the Zoom in/out button on the screen and press the map to locate the destination to select. Press and hold a finger on the map to activate fast scrolling.
- Press the Go button on the bottom of the screen to display the Destination Confirmation screen.
- Press the Start Guidance screen button. The route calculates.

Destination Confirmation

Multiple options are available on the Destination Confirmation screen:

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

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

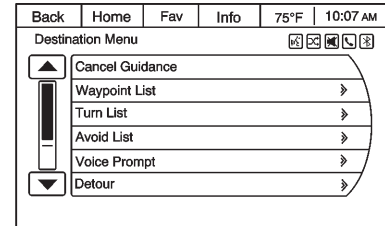
Route Options: Press to modify your route options. See “Navigation Settings” for more information.

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

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

Save/Edit: Press 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.

Destination Menu with Route Guidance Active

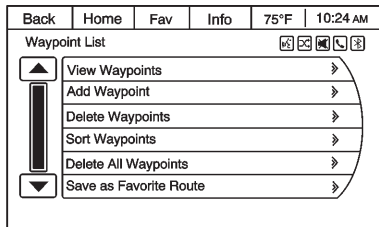


Several functions can be performed after a destination has been entered. Press the Home Page Destination Entry screen button or the DEST faceplate button to access the Destination Menu screen.

Cancel Guidance

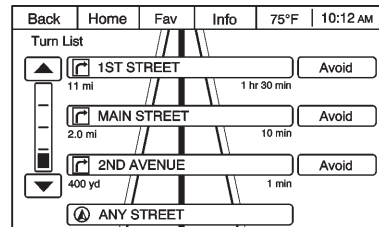
Press Cancel Guidance to cancel the current route.

Waypoint List



Select Waypoint List to view options for organizing waypoints.

Turn List



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

Avoid List

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

Detour

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

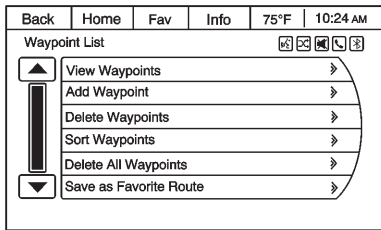
Route Options

This feature can be accessed from the Destination Confirmation Menu, Navigation Settings Menu, and Destination Menu with Route Guidance Active. See “Navigation Settings Button” for more information.

Waypoints

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

50 Infotainment System

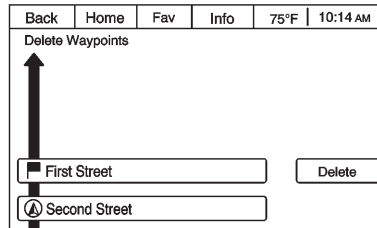


To add a waypoint:

1. From the Waypoint List menu, press 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, press Add Waypoint to add the waypoint in the order desired on the route.

To delete a waypoint:

1. From the Destination menu, press Waypoint List.
2. Press Delete Waypoints.



3. Select the waypoints to be deleted. Press the Delete screen button.

The Sort Waypoint feature allows reorganization of the waypoint list.

To sort a waypoint:

1. From the Destination menu, press Waypoint List.

2. Press Sort Waypoints.
3. Select the waypoint to move.
4. Select the location to move the waypoint to.

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

To save a waypoint list as a favorite route, select Save as Favorite.

OnStar® Destination Download

The destination download lets an OnStar® subscriber ask an OnStar Advisor to download a destination to the navigation system. OnStar will send address information and location coordinates of the destination into the navigation system.

Using Destination Download

If the navigation radio screen is turned off before a download, the system automatically turns the screen on and displays a download confirmation message. The radio remains on after the download.

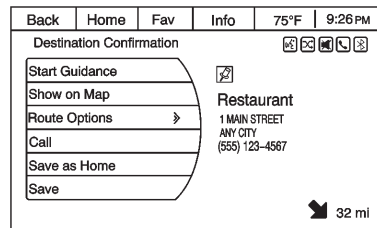
The navigation system displays "Please wait" as the address is searched within the map database.

If the address is not found within the map database, the system may use latitude and longitude coordinates to locate the destination.

If the system is unable to locate the address, the Destination Not Found screen displays.

Route Guidance Not Active

If an OnStar destination is downloaded while route guidance is not active, the navigation system displays a pop-up screen with the following screen functions:



Start Guidance: Press to start route calculation to the destination(s) received.

Show on Map: Press to display the Map Screen.

Call: Press to initiate a call with Bluetooth Phone (if available) or OnStar Personal Call.

Save as Home: Press to set an address as a home destination.

Save: Press to save the downloaded destination to the address book.

Route Guidance Active

If an OnStar destination is downloaded while route guidance is already active, the system displays a pop-up screen with the following screen function:

- Press Start Guidance; the navigation system adds the downloaded destination before the next waypoint of the existing route (closest to the current vehicle position).
- All other buttons on the pop-up screen operate as described under "Route Guidance Not Active."

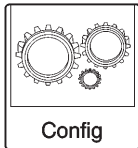
52 Infotainment System

Previous Destinations

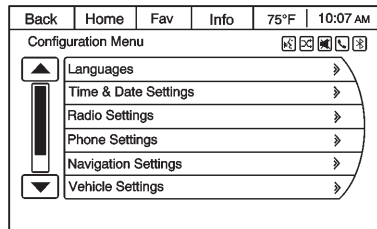
Previously downloaded OnStar destinations are saved under Previous Destinations in the navigation system, where they can be accessed or saved to the Address Book.

Configure Menu

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



1. Press the Config screen button on the Home Page or the CONFIG button on the faceplate.

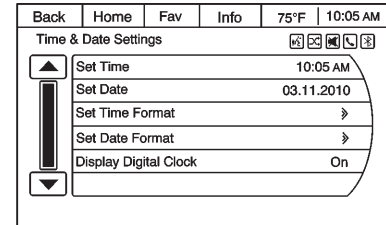


2. Touch-tap the scroll bar until the desired option displays. Select the desired settings to change.

Languages

Press the Config button on the Home Page or the CONFIG button on the faceplate to enter the menu options. Turn the MENU knob or touch-tap the scroll bar to scroll through the available options. Press the MENU knob or press Languages to display the languages. Select the desired language.

Time and Date Settings



From the Time & Date Settings screen button, press to display the Time & Date Settings menu.

Set Time: Press the up or down arrows to increase or decrease the Hours and Minutes displayed on the clock.

Set Date: Press the up or down arrows to increase or decrease the day.

Set Time Format: Press the 12 Hours screen button for standard time; press the 24 Hours screen button for military time.

Set Date Format: Depending on the region, the following date formats may be available: MM/DD/YYYY, DD.MM.YYYY, or YYYY/MM/DD.

Display Digital Clock: Press Display to turn the display of the clock on the screen On or Off.

Press the Back screen button to save the adjustments that were made.

Radio Settings

Press the Config button on the Home Page or the CONFIG button on the faceplate to enter the menu options. Turn the MENU knob or touch-tap the scroll bar to scroll through the available options. Press the MENU knob or press Radio Settings to display the radio settings menu. Press this feature to make changes for radio information

displayed, preset pages, Auto Volume Control, and XM Categories Restore. See *Satellite Radio on page 14* (if equipped), for more information about XM Categories.

The Radio Settings are:

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

Startup Volume: Press 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.

Radio Favorites: Press to select the number of FAV pages to be used in the system.

Add/Remove XM Categories:

Press to customize which available XM Categories are used and displayed in the system.

RDS Settings: Press to customize station name and radio text display options.

Phone Settings

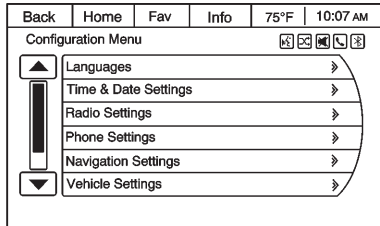
See *CELL Link Error - Link target cell (cell ID 183021) is invalid for this publication. on page ?-?* in the "Phone" section for more information on phone settings.

Navigation Settings

Press the Config button on the Home Page or the CONFIG button on the faceplate to enter the setup menu. Turn the MENU knob or touch-tap the scroll bar until the Navigation Settings option displays. Select this feature to make changes to Voice Prompt, Traffic, Route Options, and Home Address.

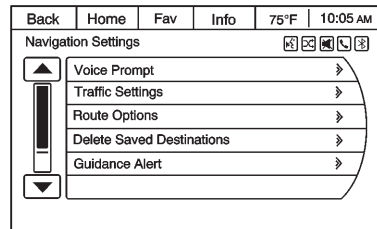
54 Infotainment System

Navigation Settings Button

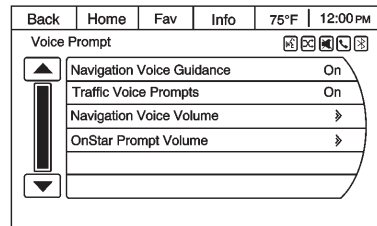


Various navigation system settings are available through the Configuration Menu. Some options are only available after a route is planned.

Press Navigation Settings to access the navigation system settings.



Voice Prompt



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

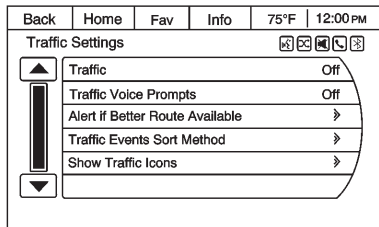
Navigation Voice Guidance: Select the On or Off button to turn the voice instructions on or off while traveling on a planned route.

Traffic Voice Prompt: Select the On or Off button to turn the traffic voice prompt on or off while traveling on a planned route.

Navigation Voice Volume: Select Navigation Voice Volume to change the volume of the navigation prompts.

OnStar Prompt Volume: Select OnStar Prompt Volume to change the volume of the OnStar prompts.

Traffic Settings



Press to display the Traffic Settings menu.

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

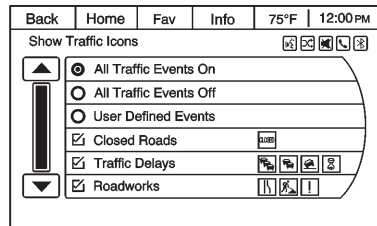
Traffic Voice Prompts (On/Off): Press to enable or disable the traffic voice prompts.

Alert if Better Route Available: Press to prompt an alert if a better route is available.

Traffic Events Sort Method: Press to display a submenu of sort options.

- **Sort by Distance** — Press to display traffic events in order of distance with the closest event shown first.
- **Sort by Name** — Press to display traffic events in alphabetical order.

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



- **All Traffic Events On** — Press to enable display of all traffic icons on the map.

- **All Traffic Events Off** — Press to disable display of all traffic icons on the map.
- **User Defined Events** — Press to define the individual types of icons that are displayed for traffic flow and traffic conditions.

Traffic Flow

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 (25 mph).
- **Yellow** indicates slightly impaired traffic flow with average speed between 40 km and 73 km (25 and 45 mph).
- **Green** indicates normal traffic flow with average speed above 73 km (45 mph).

56 Infotainment System

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

Select the traffic event group for display on the map screen. 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

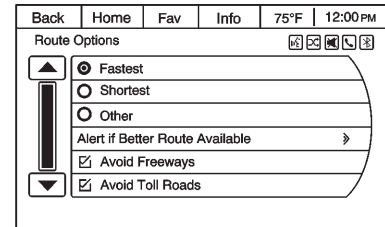


Road Visibility



Other

Route Options



Press to display the various route option preferences.

Fastest, Shortest, or Other: Press one of these options while planning a route.

Alert if Better Route Available:

There are two options.

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

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

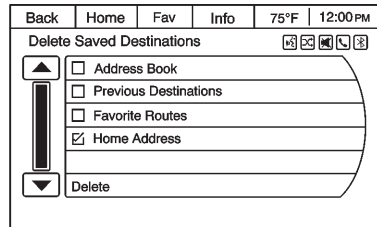
Avoid Freeways: Press to avoid major roads. A checkmark appears to indicate the Avoid mode is on.

Avoid Toll Roads: Press to avoid toll roads. A checkmark appears to indicate the Avoid mode is on.

Avoid Ferries: Press to avoid ferries. A checkmark appears to indicate the Avoid mode is on.

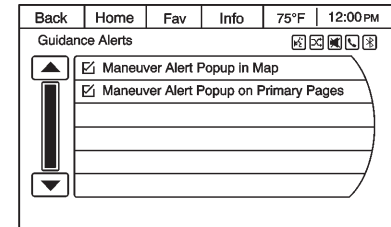
Avoid Tunnels: Press to avoid tunnels. A checkmark appears to indicate the Avoid mode is on.

Delete Saved Destinations



Press to delete all saved destinations. A Delete Saved Destinations submenu displays. Select the desired options for deletion.

Guidance Alerts



Press 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.

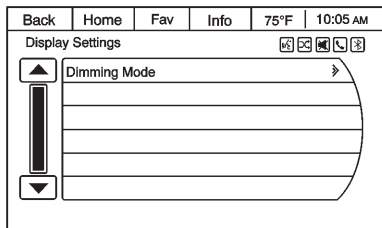
Vehicle Settings

See “Vehicle Personalization” in the Index of the vehicle owner manual for more information.

58 Infotainment System

Display Settings

Press the Config button on the Home Page or the CONFIG button on the faceplate, then select Display Settings from the list.



The following options may display:

Dimming Mode: Press 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.

XM NavTraffic™ (If Equipped)

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

A screen displays to indicate that the XM Traffic subscription is not activated.

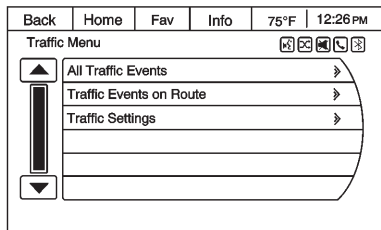
If activated, traffic information displays:

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

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

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

To access the traffic features, press the XM Traffic button on the Home Page or map screen.



All Traffic Events: Press 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: Press to display a list of reported traffic conditions on the current route. The button is toned down if no route is active.

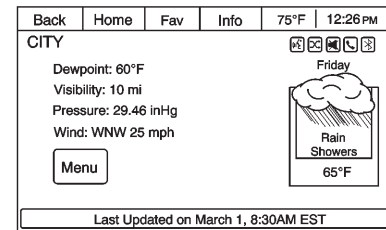
Traffic Settings: Press to customize traffic options.

XM Weather (If Equipped)

From the Home Page, press the XM Weather screen button. The system displays the current weather page.

Current Condition

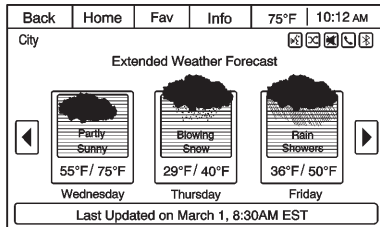
The current weather page shows the current weather condition in the city of the vehicle's current position. On this page, select the Menu screen button to access other weather options, such as Extended Forecast, Weather Along the Route, Weather Around Other Cities, and Weather Alerts.



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

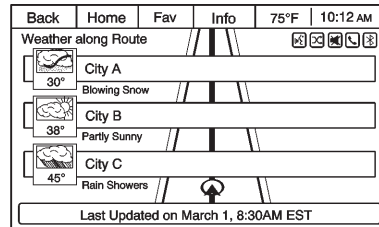
60 Infotainment System

Extended Forecast



Press to show the extended forecast.

Weather Along the Route



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

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

Weather Alerts

From the XM Weather Menu, press the Weather Alerts screen button to display any current weather advisory warnings in effect near the current position.

Weather Around Other Cities

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

Restore to Current Location

Press the Restore Current Location screen button to display the weather condition for the city where the vehicle is currently located, if the system was modified to view weather conditions in another city.

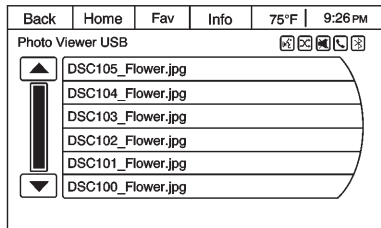
Photo Viewer

The Photo Viewer can only be used with USB devices. If the pictures are on an SD card, the pictures can only be viewed if placed on a USB device or by using a USB-SD adapter. File sizes above

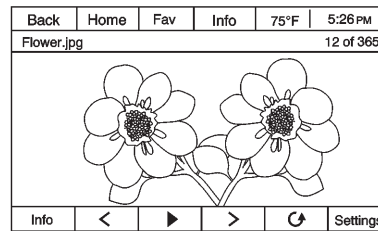
Infotainment System 61

approximately six mega pixels may not show. Only jpeg files are supported.

1. Press the Viewer screen button 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. Select a picture to view.



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

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

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

▶: Press to toggle between slide show mode and manual mode.

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

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

Settings: Press to open the Photo Viewer settings screen. Slide Show Timer, Shuffle Image Settings, and Automatic Rotation Settings can now be configured.

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

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.

62 Infotainment System

The GPS shows the current position of the vehicle using signals sent by the GPS Satellites of the United States Department of Defense.

When the vehicle is not receiving signals from the satellites, a symbol appears on the map screen. See *Navigation Symbols on page 40*.

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

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

For more information if the GPS is not functioning properly, see *Problems with Route Guidance on page 63* and *If the System Needs Service on page 63*.

Vehicle Positioning

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

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

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

Problems with Route Guidance

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

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

- The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
- Some routes might not be searched.
- The route to the destination might not be shown if there are new roads, if roads have recently changed, or if certain roads are not listed in the map data. See *Maps on page 39* for more information.

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

If the System Needs Service

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

Map Data Updates

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

For questions about the operation of the navigation system or the update process, contact the GM Nav Disc Center toll-free phone number, 1-877-NAV-DISC (1-877-628-3472) or go to the center's website, www.gmnavdisc.com. If updates are needed, call the GM Nav Disc Center or order a new SD card online. To order map data, have the vehicle's Vehicle Identification Number (VIN) available. See "Vehicle Identification Number (VIN)" in the owner manual.

After receiving the updated map data, see *Maps on page 39* for more information.

64 Infotainment System

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 which previously had limited detail. See *Map Data Updates* on page 63 for more information.

Voice Recognition


Voice recognition allows for hands-free operation of the infotainment 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 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 screen.

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

Infotainment System 65

(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.

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 for the user 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, or 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 infotainment 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.

66 Infotainment System

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 (station number), or Tune XM (station 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 John at Home” or “Call

John 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 by using the MENU/SELECT knob.

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

My Media Commands

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

Play Artist (artist name): Instructs the system to play songs by a specific artist. For example, say “Play Artist <artist name>.”

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.

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."

OnStar (If Equipped) Command

To activate OnStar voice recognition, press  on the mirror. See "OnStar" in the owner manual.

OnStar: These commands can be used after the OnStar button is pressed.

Help Commands

- Help
- Hands-Free Calling
- Turn-by-Turn Directions
- OnStar Info

After each list of help commands, the following are available:

- Go Back
- Repeat
- Cancel
- Help
- Goodbye

Hands-Free Calling

- Call
- Store
- Commands
 - Call
 - Store

- My Number
- Minutes
- Store Last Number
- Digit Dial
- Redial
- Dial
- Number Recall
- Directory
- Digit Store

Turn-by-Turn Directions

- Directory
- Plan Route
- Commands
 - Directory
 - Store Destination
 - Plan Route
 - Delete Destination

OnStar Info

- Messages
- Minutes

68 Infotainment System

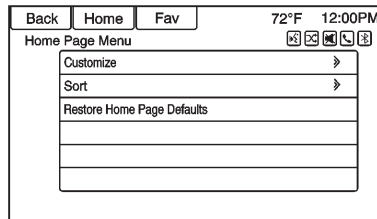
- My Number
- Commands
 - Messages
 - Virtual Advisor
 - My Number
 - Minutes
 - Number Recall
 - Advisor Playback
- Virtual Advisor

Virtual Advisor

Choose this option to connect to a live Advisor.

Personalization

Home Page Customization



The first Home Page can be customized.

To add screen buttons:

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

4. Press Done.

To move screen buttons:

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

3. Press Done.

To restore Home Page 1 defaults:

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

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 while in ON/RUN, ACC/ACCESSORY, or Retained Accessory Power (RAP). 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. See "Website Information" under *Software Updates on page 9*.


Bluetooth Controls

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

Steering Wheel Controls



 /  (Push to Talk): Press to answer incoming calls and start voice recognition.

 /  (Mute/End Call): Press to end a call, decline an incoming call, or cancel voice recognition.

+  - (Volume): 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 on page 3*.

 /  (Phone/Mute): 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.

Things to know 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 on page 64*.

70 Infotainment System

Audio System

Sound comes through the vehicle's front audio system speakers and overrides the audio system. Use the VOL/⏻ 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* on page 64.

Bluetooth Audio

See *Bluetooth Audio* on page 34.

Pairing with Infotainment Controls

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

/ 

2. Select Phone Settings.
3. Select Bluetooth.
4. Select 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 6.
5. Start the pairing process on the cell phone to be paired to the vehicle. See the cell phone manufacturer's user guide.
6. 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 4, or to confirm the six-digit code matches. The system recognizes the new connected phone after the pairing process is complete.

7. 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.
8. Repeat to pair additional phones.

Listing All Paired and Connected Phones/Devices

1. Press the CONFIG button.
2. Select Phone Settings.
3. Select Bluetooth.
4. Select Device List.

Deleting a Paired Phone/Device

1. Press the CONFIG button.
2. Select Phone Settings.
3. Select Bluetooth.
4. Select Device List.
5. 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 the CONFIG button.
2. Select Phone Settings.
3. Select Bluetooth.
4. Select Device List.
5. 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" in the vehicle owner manual for more information.

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 and enter the PIN provided on the screen."
3. Start the search for Bluetooth devices on the phone. Then select the device and following 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 2 or to confirm the six-digit code matches. The system responds "successfully paired."

72 Infotainment System

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 with “is connected” after that phone name.



1. Press  / . The system responds “Please Say a Command,” followed by a tone.
2. Say “Bluetooth.”
3. 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 “Bluetooth.”
3. Say “Delete Device.”

4. The system responds with: “To delete a device, please touch its name on the screen.” 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 the BACK button on the radio faceplate.

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 “Bluetooth.”
3. Say “Change Phone.”
 - To select a device, press 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.



Infotainment System 73

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  /  once on the radio or the Phone screen button.
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  /  once on the radio or the Phone screen button.
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  /  once on the radio or the Phone screen button.
2. Press 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 *Hands-Free Phone* on page 75.





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 MENU/SELECT knob to "Answer" or "Decline" and press the MENU/SELECT knob or press 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 MENU/SELECT knob and select Switch Call or select Switch Call on the screen.

74 Infotainment System

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, no action is required or press Decline on the screen.
- 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 MENU/SELECT knob and select Enter Number.
2. Enter the phone number and then select OK.
3. After the call has been placed, turn the MENU/SELECT knob and choose Merge Calls.
4. To add more callers to the conference call, repeat Steps 1-4. 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 MENU/SELECT knob and select Hang Up or press Hang Up on the screen.

Using Steering Wheel Controls

Press  / .

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 MENU/SELECT knob and select Mute Call. Press again to cancel mute.

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 MENU/SELECT knob and select Enter Number.

2. Enter the phone number or select Enter Number on the screen and select digits and press OK.

Hands-Free Phone

Using Bluetooth Voice Recognition

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

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.

Re-dial: This command dials the last number used on the cell phone.



Using the "Dial" or "Call" Command

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 "Call John 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 "Re-dial" Command

1. Press  / . The system responds "Please Say a Command," followed by a tone.

76 Infotainment System

2. After the tone, say “Re-dial.” The system dials the last number called from the connected cell phone.

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

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.”

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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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iPod



iPhone

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Infotainment System 77

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78 Infotainment System

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80 Infotainment System

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INDEX i-1

A

- Accepting or Declining a Call 73
- Adding or Removing XM
 - Categories 14
- AM-FM Radio 10
- Audio
 - Bluetooth 34
- Audio System 70
- Auxiliary
 - Devices 34

B

- Bluetooth 69
- Bluetooth Audio 34
- Bluetooth Controls 69

C

- Call Waiting Using Steering
 - Wheel Controls 74
- Call Waiting Using the
 - Infotainment Controls 73
- Canceling Voice Recognition 64
- Clearing the System 76
- Conference Calling Using the
 - Infotainment Controls 74

- Configure Menu 52
- Control
 - Multifunction 7
- Customization
 - Home Page 68

D

- Database Coverage
 - Explanations 64
- Destination Download,
 - OnStar® 50
- Destination Menu with Route
 - Guidance Active 48
- Destination, Navigation 42
- Detailed Areas 39
- Devices
 - Auxiliary 34
 - USB 28
- Display Settings 58
- Driving on a Route 41
- Dual Tone Multi-Frequency
 - (DTMF) Tones 74

E

- Ending a Call 74

F

- Finding a Station 11

G

- Global Positioning
 - System (GPS) 61
- Gracenote® 29

H

- Hands-Free Phone 75
- Helpful Hints for Speaking
 - Commands 64
- Home Page 8
- Home Page Customization 68
- Home Page Features 8

I

- Infotainment 3
- Infotainment Control Buttons 6
- Infotainment System Overview ... 4
- Infotainment System Settings 11

i-2 INDEX

L		N		Phone Commands 66	
Languages	52	Navigation		Phone Settings	53
Launching Pandora	20	Destination	42	Photo Viewer	60
Launching Stitcher	24	Symbols	40	Playing from a USB	28
M		Using the System	35	Playing from an iPhone	
Making a Call	75	Navigation Settings	53	or iPad	33
Making a Call Using Phone		Navigation Settings Button	54	Playing from an iPod®	32
Book and Infotainment		O		Playing the Radio	10
Controls	72	OnStar (If Equipped)		Problems with Route	
Making a Call Using the		Command	67	Guidance	63
Infotainment Controls	73	OnStar® Destination		R	
Map Adjustments	38	Download	50	Radio Commands	66
Map Data Updates	63	Other Commands	67	Radio Settings	53
Map End User License		Overview	69	Radios	
Agreement	78	Overview, Infotainment System	3	AM-FM Radio	10
Map Scales	38	P		Satellite	14
Maps	39	Pairing with Infotainment		S	
Menu		Controls	70	Satellite Radio	14
Configure	52	Pairing with Voice Recognition	71	Scroll Features	39
Mixed-Band Presets	13	Pandora Troubleshooting	23	Settings Commands	66
Multifunction Control	7	Phone		SiriusXM Categories	14
Muting a Call	74	Bluetooth	69	SiriusXM Messages	15
My Media Commands	66	Hands-Free	75	SiriusXM NavTraffic® (If	
				Equipped)	15

SiriusXM Travel Link (If Available) 18

SiriusXM® Satellite Radio Service 14

SiriusXM® Weather (If Equipped) 17

Software Updates 9

Stitcher Troubleshooting 26

Storing Radio Station Presets ... 13

Symbols, Navigation 40

System
 Infotainment 3

System Needs Service, If 63

T

Time and Date Settings 52

Touch Screen Buttons 7

U

Updates
 Map Data 63

Software 9

USB 28

USB Media Formats 29

Using Bluetooth Voice
 Recognition 75

Using Destination Download 51

Using Voice Recognition 64

V

Vehicle
 Positioning 62

Vehicle Settings 57

Voice Recognition 64, 69

Voice Recognition Commands ... 65

Voice Recognition Help 65

W

Website Information 10

X

XM NavTraffic™ (If Equipped) ... 58

XM Weather (If Equipped) 59