2016

Buick IntelliLink
Infotainment System

buick.com (U.S.)
buick.ca (Canada)
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Introduction

Infotainment

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

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

The information in this manual supplements the owner manual.

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

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

Overview

Introduction

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

⚠️ Warning

Taking your eyes off the road for too long or too often while using any infotainment feature can cause a crash. You or others could be injured or killed. Do not give extended attention to infotainment tasks while driving. Limit your glances at the vehicle displays and focus your attention on driving. Use voice commands whenever possible.
The infotainment system has built-in features intended to help avoid distraction by disabling some functions when driving. These functions may gray out when they are unavailable. Many infotainment features are also available through the instrument cluster and steering wheel controls.

Before driving:
- Become familiar with the operation, faceplate buttons, and screen buttons.
- Set up the audio by presetting favorite stations, setting the tone, and adjusting the speakers.

- Set up phone numbers in advance so they can be called easily by pressing a single button or by using a single voice command if equipped with Bluetooth phone capability.

See “Defensive Driving” in the owner manual.

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

**Infotainment System**

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

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**Radio with CD**

1. (Power)
2. RADIO
3. MEDIA
4. (Seek)
5. (Eject)
6. BACK
7. CD Slot (If Equipped)
8. (Home Page)
9. MENU
4 Introduction

Radio with Tone

1. (Power)
2. RADIO
3. MEDIA
4. or (Seek)
5. TONE
6. BACK
7. (Home Page)
8. MENU

**Power (On/Off/Mute)**
- When off, press to turn the system on. Press and hold to turn off.
- When on, press to mute the system. Press again to unmute the system.

**Volume**
Turn to increase or decrease the volume.

---

The Home Page is where vehicle application icons are accessed. Some applications are disabled when the vehicle is moving.

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

Touch the left or right or slide a finger left/right across the screen to access the pages of icons.

(Next) : Touch to go to the next Home Page.
(Previous) : Touch to go to the previous Home Page.
(Interaction Selector) : Touch to display the favorites list.
Touch and hold a location within the favorites area to begin the process of saving a favorite application.

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

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

**Managing Home Page Icons**

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

**Steering Wheel Controls**

For vehicles with audio steering wheel controls, some audio controls can be adjusted at the steering wheel.

\( \text{(Press to Talk)} \) : Press to initiate a call or to interact with the available Bluetooth®, OnStar®, or navigation system (if equipped).

\( \text{(End Call)} \) : Press to decline an incoming call or end a current call. Press to mute or unmute the infotainment system.

\( \text{(Previous or Next)} \) : Press the five-way control to the left or right to go to the previous or next area in the display or to the previous or next menu.

\( \text{(Next or Previous)} \) : Press the five-way control up or down to go up or down in a list or page.

\( \text{(Select)} \) : Press to select a highlighted menu item.

\( \text{(Next or Previous Favorite)} \) : Press to go to the next or previous favorite when listening to the radio. Press to go to the next or previous track when listening to a media source.

\( \text{(Volume)} \) : Press to increase or decrease the volume.

**Using the System**

**Touchscreen Buttons**

Touchscreen buttons show on the screen when available. When a function is unavailable, the button may gray out. When a function is selected, the button may highlight.
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Home Page Features
Touch the icons on the Home Page screen to launch an application.

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

**PHONE**
Touch the PHONE icon to display the Phone main page. See Bluetooth (Overview) 60 or Bluetooth (Infotainment Controls) 61 or Bluetooth (Voice Recognition) 64.

**NAV (Navigation, If Equipped)**
Touch the NAV icon to display the navigation map or OnStar Turn-by-Turn Navigation. See Using the Navigation System 28 or “OnStar Navigation” in the owner manual.

**SETTINGS**
Touch the SETTINGS icon to display the Settings menu. See Settings 68.

**PANDORA (If Equipped)**
Touch the PANDORA icon to begin Pandora®. See Pandora Internet Radio 14.

**WEATHER (If Equipped)**
Touch the WEATHER icon to display the Weather main page. See “SiriusXM Weather (If Equipped)” under Destination 37.

**ONSTAR (If Equipped)**
Touch the ONSTAR icon to display the OnStar main page and start OnStar voice recognition. See “OnStar Overview” in the owner manual.

Applications Tray

The applications tray is at the top center of the screen. The applications tray can have three to five applications.

To add an application from the Home Page to the applications tray:
1. Touch and hold any icon on the Home Page to enter edit mode.
2. Drag the icon to the applications tray.

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

Adding or removing applications from the applications tray will not remove them from the Home Page.
Infotainment Gestures
Use the following finger gestures to control the infotainment system.

**Touch/Tap**
Touch/Tap is used to select a button or option, activate an application, or change the location inside a map.

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

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

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

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

Turn

Turn the MENU knob or the \( \bigcirc \) knob on the faceplate to perform functions such as tuning the radio or scrolling lists.

Cleaning High Gloss Surfaces and Vehicle Information and Radio Displays

For vehicles with high gloss surfaces or vehicle displays, use a microfiber cloth to wipe surfaces. Before wiping the surface with the microfiber cloth, use a soft bristle brush to remove dirt that could scratch the surface. Then use the microfiber cloth by gently rubbing to clean. Never use window cleaners or solvents. Periodically hand wash the microfiber cloth separately, using mild soap. Do not use bleach or fabric softener. Rinse thoroughly and air dry before next use.

Software Updates

See the website for software updates.

Website Information

In the U.S., see www.buick.com
In Canada, see www.buick.gm.ca
Radio

AM-FM Radio

Playing the Radio

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

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

Infotainment System Settings

Touch the RADIO screen button to access broadcast sources.

Touch the MENU screen button or MENU knob to display the following menus:

Tone Settings:

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

Tag Song (If Equipped): Touch to bookmark a song on an Apple device for later purchase using iTunes®.

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

DSP Modes (If Equipped):

- Bose® Studio Surround® and Bose® Centerpoint® Surround sound system has four DSP modes including:
  - Normal: Adjusts the audio to provide the best sound for all seating positions.
  - Driver: Adjusts the audio to provide the best sound for the driver.
  - Rear: Adjusts the audio to provide the best sound for the rear seat occupants.
  - Centerpoint: Turns on Bose Centerpoint surround technology. This setting creates a surround sound listening experience from nearly any audio source; existing stereo, CD collection, and MP3 players. For more information on Bose Centerpoint surround technology, visit www.bose.com/centerpoint.
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**Auto Volume**: If equipped, this feature adjusts the volume based on vehicle speed. The options are OFF, Low, Medium - Low, Medium, Medium - High, or High. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu.

**Bose AudioPilot noise compensation technology (If Equipped)**: This feature adjusts the volume based on the noise in the vehicle and speed. When turned on, AudioPilot technology detects noise and vehicle speed to continuously adjust the audio signal so that music will sound the same at a set volume level. This feature is most effective at lower radio volume settings where background noise can affect how well the music is being played. See www.bose.com/audiopilot. This feature can be turned on or off. Press BACK to go back to the previous menu.

**HD Radio™**: For AM and FM only, touch to turn HD reception on or off. Touch the Back screen button to go back to the previous menu.

**EQ (Equalizer)**: If equipped with a Bose Sound System, the available choices are Manual and Talk.

**Update Station List**: For AM and FM only, touch to update the station list. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu.

**Finding a Station**

**Seeking a Station**

Press or on the faceplate to search for the previous or next strongest station.

**Direct Tune (If Equipped)**

Touch the TUNE screen button to switch to Direct Tune for manually searching for a station.

If not equipped with Direct Tune, touch the SEEK screen button to switch to TUNE. Touch again to change back. Turn the MENU knob to manually search for a station.

**Storing Radio Station Presets**

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

Up to 60 preset stations can be stored:

**AM, FM, and XM (if equipped)**

**Radio Stations**: Touch and hold a favorite button to save the current station as a favorite. Touch a favorite button in the favorite area to recall a favorite station.

**Mixed-Audio Favorites**

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

To scroll through the favorites:

- Drag up on the screen buttons along the bottom to raise up the favorites. To close the favorites, drag them down.
- Slide a finger to the right or left to scroll through each page of favorites.

**Tone Settings**

Touch and hold a Favorite button to save the current tone settings as a favorite in the tone settings screen. Touch the reveal tab on the bottom of the screen to display Favorites. Touch a favorite button in the favorite area to recall a favorite tone setting.

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

**Timeshifting (If Equipped)**

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

Touch II to pause playback of the audio and to initiate timeshift mode.

Touch ► to resume playback of the recorded audio.

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

**Buffer Reset**

The buffer will reset anytime the broadcast band or stations/channels are changed. Changing to a media source when paused will not reset the buffer.

**Rewinding or Fast Forwarding a Timeshifted Broadcast**

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

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

**Returning to Live Broadcast**

If listening to timeshifted radio, touch ►► to fast forward back to live radio.

**Timeshifting and Station/Channel Lists**

If browsing a station/channel list is started while listening to the timeshift content, the list content is shown in live time, not buffered time.
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Skipping Back in a Broadcast
For programs with metadata, touching the previous button less than five seconds into a program will make the system skip to the beginning of the previous program. If more than five seconds into the current song/program, the system starts at the beginning of the current program. If no metadata is available, the system skips back 30 seconds.

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

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

HD Radio Technology Channel Access
To access HD Radio channels:
1. Tune the radio to the channel. HD Radio must be turned on in the Menu. If the channel is broadcasting HD Radio Technology, the radio will automatically switch to digital audio, indicated with an HD Radio Technology logo.
2. Press ◀ or ▶ on the faceplate or turn the MENU knob to tune to the previous or next HD Radio channel.

There may be a delay before the channel starts playing.
The HD Radio channel number is indicated next to the logo.
See AM-FM Radio ➔ 9.
For a list of all channels, see www.hdradio.com.

HD Radio Technology Troubleshooting
Digital Audio Delay: Wait for the signal to process. This can take several seconds.
Volume Change, Audio Skip, Echo, Digital Audio Lost: Channel signal strength may be weak or the channel is out of range. Verify proper reception on another channel.

If the HD Radio signal loses reception while listening to channel HD1, the radio will go back to the main non-HD Radio channel.
If the HD Radio signal loses reception while listening to channels HD2 to HD8, the radio mutes until the signal can be recovered or until the channel is changed.
Satellite Radio

SiriusXM® Satellite Radio Service (If Equipped)

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

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

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

SiriusXM Menu

SiriusXM has a menu to adjust different features.

Touching the MENU screen button may display the following:

**Tone Settings** : Touch + or − to adjust the tone settings. See *AM-FM Radio* 9.

**Tag Song** : Press the Tag Song button to save song information that SiriusXM stations include in their broadcasts. You can then preview and purchase your tagged songs in the iTunes® store. When connected to iTunes, the Sync button on the device may need to be pressed to transfer the tags to iTunes.

**TuneSelect** : For SiriusXM only, this feature allows for alerts to be set for artists or songs that are played on the current station. Touch Artist or Song to save an Artist or Song. Touch Manage TuneSelect to turn the alerts On and Off or manage the saved selection of Artists or Songs. To turn off an alert, touch the Song or Artist and uncheck the box. To delete an alert, press −. Press \( \uparrow \) BACK on the faceplate or touch the Back screen button to go back to the previous menu.

**Auto Volume** : If equipped, this feature adjusts the volume based on the vehicle speed. See *AM-FM Radio* 9.

Radio Reception

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

**FM**

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

**AM**

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

**SiriusXM® Satellite Radio Service**

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

**Cell Phone Usage**

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

**Backglass Antenna**

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

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

**Caution**

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

**Multi-Band Antenna**

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

**Pandora Internet Radio**

Pandora® is a free Internet radio service that streams personalized radio stations based on songs, artists, tracks, genres, and...
comedians. Create stations using the Pandora website or Smartphone application, then use 🌟 (thumbs up) or 🌡️ (thumbs down) to personalize stations. To set up an account, or for more information, go to www.pandora.com. Pandora may not be available in Canada.

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

**Launching Pandora**

Connect the iPhone to the USB port, or connect Android™ or BlackBerry® through Bluetooth.

See **Auxiliary Jack 🛑 24 or Bluetooth (Overview) 🛑 60 or Bluetooth (Infotainment Controls) 🛑 61 or Bluetooth (Voice Recognition) 🛑 64.** For first time use, set up the stations before connecting to the vehicle. The Pandora icon will be available on the Home Page.

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

**Using the iPhone**

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

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

The login screen may display on the device.

**Using an Android or BlackBerry Phone**

The BlackBerry phone must be unlocked to launch Pandora service.

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

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

The login screen may display on the device.

**Pandora Menus**

Touch Menu on the Pandora main page.

![Pandora Menus](image)
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Pandora has a menu system with the following:

Tone Settings: Touch to adjust the tone settings. See AM-FM Radio 9.

Bookmark Artist: Touch to bookmark the artist.

Bookmark Song: Touch to bookmark the song.

Auto Volume: This feature sets the auto volume based on the speed of the vehicle and noise in the vehicle. See AM-FM Radio 9.

Pandora Features

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

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

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

(Play/Pause): Touch to play or pause playback.

Pandora Skip Limit
Pandora limits the number of skips allowed on their service to five skips including thumbs down. When the skip limit is reached, (Thumbs Down) or (Next Track) will not skip the currently playing track, but the (Thumbs Down) feedback will be recorded.

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

Pandora Troubleshooting
Unable to Connect Device to Vehicle
If the device is unable to connect to the USB or Bluetooth:

1. Turn the vehicle off.
2. Take the Remote Keyless Entry (RKE) transmitter at least 6 m (20 ft) away from the vehicle.
3. Wait about one minute, and try to connect the device again. See Auxiliary Jack 24 or Bluetooth (Overview) 60 or Bluetooth (Infotainment Controls) 61 or Bluetooth (Voice Recognition) 64.
Unable to Start Pandora
If the device is unable to launch Pandora:

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

Loss of Audio
Loss of Pandora audio can happen in different ways:

- Weak or lost data connection.
- Device needs to be charged.
- Application needs to be relaunched.
- Connection between phone and radio lost.
- An iPhone is connected to both Bluetooth and the USB port. Playback can be resumed from a loss of audio by double tapping on the iPhone menu button then scrolling through the icons to find an icon that allows a change of flow between Bluetooth and USB cable.

Common Pandora Messages

Pandora Error/Please Check Connected Device: Not signed in or Pandora is down for maintenance.

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

Action Unavailable. Please Check Device: A few conditions for loss of Internet connection are:

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

Part of the Action Unavailable. Please Check Device: The Bluetooth signal is lost.
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No Skips Remaining for This Station or Permitted During Advertisements:

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

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

CD Player
If equipped, use the CD player to play CDs and MP3 audio. The system can play:
- Most audio CDs
- CD-R
- CD-RW
- MP3 or unprotected WMA formats

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

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

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

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

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

Playing an Audio CD
Press the MEDIA faceplate button or touch the MEDIA onscreen button until CD Audio icon Now Playing view is selected.

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

Use the following controls to play the disc:

(Previous/Fast Reverse):
- Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, it seeks to the previous track. If longer than five seconds, the current track starts from the beginning.
- Press and hold to fast reverse through a track. Release the button to return to playing speed. Elapsed time displays.
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▶ (Next/Fast Forward):
- Press to seek to the next track.
- Press and hold to fast forward through a track. Release the button to return to playing speed. Elapsed time displays.

Storing Media favorites

To store media favorites, touch and hold a favorite button to display a list of media types for the currently playing item. Select from this list.

The lists that may display are:

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

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

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

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

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

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

Audiobooks: Touch and hold a screen button to save the current audiobook as a favorite. Touch a screen button in the favorite area to recall a favorite audiobook. The first chapter begins to play.

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

Error Messages

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

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

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

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

If the CD is not playing correctly, for any other reason, try a known good CD.
If any error continues, contact your dealer.

**Playing an MP3 CD**

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

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

- Sampling rate: 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, and 48 kHz.
- Bit rates supported: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, 224, 256, and 320 kbps.
- Recorded on a CD-R or CD-RW.

**MP3 Music Menu**

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

- Touch any of the following buttons on the MP3 Menu:
  - **Shuffle**: Touch to play the tracks randomly. Touch again to stop shuffle.
  - **Tone Settings**: Touch + or − to adjust Bass, Midrange, Treble, or Surround. See *AM-FM Radio* 9.
  - **Auto Volume (If Equipped)**: This feature adjusts the volume based on the speed of the vehicle. See *AM-FM Radio* 9.
  - **Bose AudioPilot noise compensation technology (If Equipped)**: This feature adjusts the volume based on the noise in the vehicle. See *AM-FM Radio* 9.

**MP3 Folder Information**

Touch anywhere between the top applications tray or the bottom menu to display the browse screen.

- **Root Directory**: To access, touch the screen anywhere between the top and bottom menu to display the browse screen.
- **No Folder**: When the CD only contains compressed audio files without any folders or playlists, all files are under the root folder.

**File System and Naming**

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

**USB Port**

This vehicle is equipped with one or more USB ports. The USB port(s) are in the center console. The system is optimized to support two connected devices with a total of 15,000 songs.

**Playing from a USB**

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

**Gracenote®**

When plugging in a USB device, Gracenote service builds voice tags for music. Voice tags allow artists, albums with hard to pronounce names, and nicknames to be used to play music through voice recognition.
22 Audio Players

While indexing, infotainment features are available.

My Media Library
The infotainment system allows access to content from all indexed media sources. Press the MEDIA screen button to scroll through the options until My Media is selected. Use gestures or screen buttons to scroll through the content.

USB MP3 Player and USB Drives
- The USB MP3 players and USB drives connected must comply with the USB Mass Storage Class specification (USB MSC).
- Hard disk drives are not supported.
- The following restrictions apply for the data stored on a USB MP3 player or USB device:
  - Maximum folder structure depth is 11 levels.
  - Applicable audio extensions are mp3, wma, aac, m4a, and aif.
  - WMA and Apple lossless files are not supported.
  - Supported file systems are FAT32 and NTFS.

To play a USB device, do one of the following:
- Connect the USB.
- Press MEDIA until the connected device is shown.

Use the following when playing an active USB source:
- Press to play the current media source.
- Press to pause play of the current media source.
- Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, the previous track plays. If playing longer than five seconds, the current track restarts.
  - Press and hold to reverse quickly through playback. Release to return to playing speed. Elapsed time displays.
- Press to seek to the next track.
- Press and hold to advance quickly through playback. Release to return to playing speed. Elapsed time displays.

USB Menu
Press Menu to display the USB menu. The following may be available:
- Shuffle: Touch to play the tracks randomly. Touch again to stop shuffle.
- Tone: Touch + or - to adjust the tone settings. See AM-FM Radio 9.

Auto Volume (If Equipped): This feature adjusts the volume based on the speed of the vehicle. See AM-FM Radio 9.
Bose AudioPilot noise compensation technology (If Equipped) : This feature adjusts the volume based on the noise in the vehicle. See AM-FM Radio 9.

USB Browse Menu

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

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

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

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

Genres :
1. Touch to view the genres on the USB.
2. Select a genre to view a list of all content of that genre.
3. Select artists to view a list of albums.
4. Select an album to view a list of songs.
5. Select song to begin playback.

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

Podcasts :
1. Touch to view the podcasts on the USB.
2. Select a podcast. If episodes exist, select an episode.

Composers :
1. Touch to view the composers on the USB.
2. Select Composer to view a list of albums by that composer.
3. Select an album to view a list of songs on that album.
4. Select a song from the list to begin playback.

Audiobooks :
1. Touch to view the audiobooks stored on the device.
2. Select audio book.
3. Select chapter to begin playback.
24 Audio Players

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.

Supported Apple® Devices
To view supported devices in the U.S., see my.buick.com/learn.
To view supported devices in Canada, see buickowner.ca.

Loss of Audio
If a phone currently paired over Bluetooth is plugged in with a USB cable, the system will automatically mute the phone audio. Playback can be resumed by changing the audio source from Bluetooth to USB cable.

Source USB from the Audio MEDIA screen button to resume playback.

Bluetooth Streaming Audio and Voice Recognition
See Bluetooth Audio \(\triangleright 25\) for information using voice recognition with Bluetooth streaming audio.
Make sure all devices have the latest software downloaded.

SD Card Reader
If equipped, this vehicle may have an SD card reader in the center console.
The SD card reader is for audio and video playback and uses the same controls as the USB port. Playback from an SD card follows the same file formats and restrictions defined under USB Port \(\triangleright 21\). Not all video formats are supported.
Set up the SD card while the vehicle is in P (Park). See “Audio” under Infotainment \(\triangleright 2\).
Place the card into the port.
If an SD card has already been connected, but a different source is currently active, touch the MEDIA screen button to scroll through the audio source screens until USB/SD card displays.

Auxiliary Jack
This vehicle has an auxiliary input jack in the center console under the armrest. Possible auxiliary audio sources include:
- Laptop computer
- Audio music player
This jack is not an audio output. Do not plug headphones into the auxiliary input jack. Set up an auxiliary device while the vehicle is in P (Park).
Connect a 3.5 mm (1/8 in) cable from the auxiliary device to the auxiliary input jack. When a device is connected, the system can play audio from the device over the vehicle speakers.
If an auxiliary device has already been connected, but a different source is currently active, touch the MEDIA screen button to scroll through audio source screens, until AUX source screen displays.
Playing from the AUX Port
An auxiliary device is played through the audio system and controlled through the device itself.

AUX Menu
Press the MENU knob to display the AUX menu and the following may display:


Auto Volume (If Equipped) : This feature adjusts the volume based on the speed of the vehicle. See AM-FM Radio 9.

Bose AudioPilot noise compensation technology (If Equipped) : This feature adjusts the volume based on the noise in the vehicle. See AM-FM Radio 9.

EQ (Equalizer) Settings : If equipped, this feature adjusts the pre-defined EQ modes. See “EQ (Equalizer) Settings” in AM-FM Radio 9.


Bluetooth Audio
If equipped, music may be played from a paired Bluetooth device. See Bluetooth (Overview) 60 or Bluetooth (Infotainment Controls) 61 or Bluetooth (Voice Recognition) 64 for help pairing a device.

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

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

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

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

Tone : Touch + or − to adjust the tone settings. See AM-FM Radio 9.

Auto Volume (If Equipped) : This feature adjusts the volume based on the speed of the vehicle. See AM-FM Radio 9.

Bose AudioPilot noise compensation technology (If Equipped) : This feature adjusts the volume based on the noise in the vehicle. See AM-FM Radio 9.

Manage Bluetooth Devices : Touch to go to the Bluetooth page to add or delete devices.
26 Audio Players

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

All devices launch audio differently. When selecting Bluetooth audio as a source, the radio may show as paused on the screen. Press play on the device or press ➤ to begin playback.

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

OnStar® with 4G LTE

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

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

Using the Navigation System

Touch the NAV button on the Home Page or the Navigation icon in the applications tray to access the navigation application.

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

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

When the screen is not in use, it will time out and remove the controls. Touch anywhere along the bottom or top of the screen to display the controls.

Additional navigation features are:
- Cancel/Resume To
- Navigation Voice Preferences
- Current Location
- Map View
- Traffic
- Routing Preferences
- Display “Places of Interest” Icons
- Personal Data

It is advised to set up preferences before setting a destination. To set a destination, see Destination 37.

Cancel/Resume Route
- While under route guidance, this screen button displays Cancel Route. Touch Cancel Route to end route guidance. No further prompts will be given. The list item then changes to Resume To.
- Touch the Resume To screen button to resume route guidance to the last entered destination.
- The last location that the system has provided guidance to can be resumed by touching on this list item.
- If the route includes waypoints, the entire route can be suspended using the Cancel Route list item. When Resume To is touched, all waypoints are resumed for guidance.
Navigation Voice Preferences

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

The following options can be adjusted:

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

Voice Prompts

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

Voice Volume

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

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

Prompts During Phone Calls

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

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

Current Location

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

The following information is displayed on the Current Location list:

- Nearest Address
- Lat/Long
- Nearest Hospital
- Nearest Police
- Nearest Fuel
- Nearest Service

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

Touch the Nearest Address button and then the Save screen button to store the current location to the Address Book.
30 Navigation

Map View
Touch to select the desired map view. A checkmark appears to indicate a view has been selected.

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

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

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

Audio Information
Touch to turn the audio information view on or off from the main map view.

The audio status screen contains:
- Station Frequency
- Artist Information
- Song Information
- Station and Channel Controls

Touch the Station controls to go to the next or previous strong signal station or digital channel.

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

Day/Night Mode
Touch to access the Day/Night Mode menu.

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

Traffic (If Equipped)
Touch to browse the traffic in the area as well as adjust the traffic settings. Where traffic information is available, it is displayed on the map.
Where live traffic flow data is available, it is displayed as a solid line adjacent to the road. The road is displayed in colors to show the flow rate as:

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

There are several options on the Traffic menu:

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

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

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

**Traffic Routing Preferences**

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

When this setting is OFF, the system will never take traffic conditions into account when creating routes. In addition, the two options below are grayed out. If one of the grayed-out options is touched, it automatically turns the traffic avoidance feature ON and performs the desired selection.
32 Navigation

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

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

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

Traffic Types

Touch to access the Traffic Types menu.

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

Routing Preferences

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

Route Style

Touch this list item to change the route type preferences.

The options are:
- Fast (default)
- Eco Friendly (if equipped)
- Short
- Configure Eco Profile

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

These preferences are used for all routes generated.
Route segment preferences are other options showing on the Routing Preferences menu. This includes:
- Use Toll Roads ON/OFF
- Use Freeways ON/OFF
- Use Carpool Lanes ON/OFF
- Avoid Slow Traffic ON/OFF
- Use Tunnels ON/OFF
- Use Time Restricted Roads ON/OFF

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

- The POI icons can be turned ON and OFF. Touch the check box next to the POI icon to display the icon.
- Touch Clear All to reset the icons that are displayed on the map.
- A subcategory can be selected instead of the entire category. Touch the list item itself rather than the check box. The subcategories will display. Select any of those categories to navigate down the hierarchy.
- When a higher-level category has some of its subcategories selected, the checkmark next to it is grayed out. This indicates that only some of the categories below are shown. Touch the grayed-out checkmark to turn all of the icons for that category on or off.

**Personal Data**

Data that the system has saved during the course of using the navigation system can be managed through:
- Address Book
- Recent Destinations
- My POIs (if equipped)
- Upload Saved Locations

**Address Book**

1. Touch Edit Address Book to display the Address Book to edit.
34 Navigation

2. Touch Delete All Entries to delete the entire list of contacts. A pop-up displays to confirm.

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

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

Upload Saved Locations
Touch to upload any saved locations such as downloaded POIs and all entries in the vehicle address book to the USB device.
- Touch Upload Saved Locations to save the Vehicle Contacts list and any MyPOIs that have been saved to the vehicle.
- Once saved locations have been uploaded to a USB, they can be transferred to a different vehicle or restored to the current address book.

Map Adjustments
ZOOM -/+ can be used to adjust the scale of view on the map. When the end of the zoom level is reached, ZOOM -/+ will gray out.
- ZOOM - (minus): To zoom out.
- ZOOM + (plus): To zoom in.
The zoom scales can be configured for English or metric units. To change from English to metric, see “Instrument Cluster” in the owner manual.

Scroll Features
- To scroll within the map, touch anywhere on the map screen.
- Nudge or slide a finger on the map; the map moves in the direction of the finger.
- Fling a finger on the map; the map will start scrolling in a short continuous scroll.
- Touch a finger on the location on the map; the map recenters to the location that was touched on.
- Touch a finger twice on a location on the map; the map zooms in one level to the location that was touched twice on.
- When the map is recentered away from being locked to the vehicle position, the crosshairs will show in the center of the map. As the map continues to be recentered, the crosshairs will remain on the screen. When the crosshairs are shown on the screen, a callout with more information displays. If the map is moved from the current location, the crosshairs will disappear along with the callout.

- Touch a finger on the callout next to the crosshairs and the destination details view displays. From this view, route guidance can be received or saved to the vehicle's contact list.

- When the map is recentered, the straight-line distance from the vehicle to the selected point is displayed in the callout. In addition, a heading direction in the form of an arrow is displayed to indicate the direction. The arrow is shown in relation to the current vehicle heading.

- Touch a finger on a POI icon shown on the map; the name of the POI is shown in the address callout, along with the city name and state. If the callout is selected, the destination details view for the POI shown.

- After panning the map away from the vehicle, touch RESET to return the map back to the current position.

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

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

Detailed Areas
Road network attributes are contained in the map database for detailed areas. Attributes include information such as street names, street addresses, and turn restrictions. A detailed area includes all major highways, service roads, and residential roads. The detailed areas include Places of Interest (POIs) such as restaurants, airports, banks, hospitals, police stations, gas stations, tourist attractions, and historical monuments. The map database may not include data for newly constructed areas or map database corrections that are completed after production. The navigation system provides full route guidance in the detailed map areas.

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

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

Vehicle Address Callout

Tap on the vehicle icon; the current address of the vehicle is overlaid on the map next to the vehicle icon in a callout. Another tap hides the information.

Any address information about the vehicle’s current location will be shown, including the street, city, and state names.

Tap on this callout to save the current address to the vehicle address book.

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

The waypoint symbol marks one or more set waypoints.

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

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

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

The No GPS symbol appears when there is no Global Positioning System (GPS) satellite signal. When the GPS is gone, the vehicle position on the map may not be accurate.
Autozoom
As a maneuver is being approached, the map automatically zooms in to give greater detail. If lane guidance is available for the maneuver, this is also shown. When the system begins to autozoom, it zooms in to its minimum level. After the maneuver is performed, the system slowly zooms back out.

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

Another way to enter a destination is to connect to the OnStar® system and ask an OnStar Advisor to download a destination into the embedded navigation system. See OnStar® System 49.

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

Navigation Next Turn Maneuver Alert
The navigation system may need to get the attention of the driver in certain situations. If not in the navigation application when a near maneuver prompt is given, it is shown as an alert. The alert contains the turn indicator and button to display the main navigation view, or dismiss the alert. The alert also contains the name of the street to turn on and a countdown bar.
38 Navigation

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

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

✓ GO : Touch to search for the destination details of an address or place of interest entered in the text field. Once the GO screen button is touched, the activity indicator displays in the list of possible matches.

▼ (Dropdown Arrow) : Touch to display a list of matches.

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

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

Exit : Touch to return to the previous Map view.

Sym : Touch to show the symbol keyboard.

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

⇧ (Up Arrow) : Touch to display the Interaction Selector.

🌐 : If equipped, touch to switch between Alpha-Numeric Keyboard and Character Recognition.

Special Characters
As the characters are typed on the keyboard, a pop-up of the letter touched displays above the key that was touched. Continue to touch and hold, and any additional special characters associated with that letter are displayed around the current letter. To select one of the special characters, slide a finger left or right to adjust the highlight of the special character.

Special Character List
The following characters have special characters beneath them:

<table>
<thead>
<tr>
<th>Special Characters</th>
<th>More Characters</th>
</tr>
</thead>
<tbody>
<tr>
<td>E · E · E · E · E · E</td>
<td>0 · 0 · 0 · 0 · 0</td>
</tr>
<tr>
<td>Y · Y · Y · Y · Y · Y</td>
<td>1 · 1 · 1 · 1 · 1</td>
</tr>
<tr>
<td>U · U · U · U · U · U</td>
<td>0 · 0 · 0 · 0 · 0</td>
</tr>
<tr>
<td>I · I · I · I · I · I</td>
<td>5 · 5 · 5 · 5 · 5</td>
</tr>
<tr>
<td>A · A · A · A · A · A</td>
<td>&amp; · &amp; · &amp; · &amp;</td>
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<tr>
<td>$ · $ · $ · $ · $ · $</td>
<td>η · η · η · η</td>
</tr>
<tr>
<td>L · L · L · L · L · L</td>
<td>ι · ι · ι · ι</td>
</tr>
<tr>
<td>Z · Z · Z · Z · Z · Z</td>
<td>. · . · . · .</td>
</tr>
<tr>
<td>C · C · C · C · C · C</td>
<td>.com · .net · .org</td>
</tr>
<tr>
<td>N · N · N · N · N · N</td>
<td>* · * · * · *</td>
</tr>
</tbody>
</table>

Creating and Downloading Predefined POIs (My POIs)
In addition to the POIs already stored in the Infotainment system, predefined POIs can be created.
While creating a predefined POI, the GPS coordinates for longitude and latitude of the POI’s location and a descriptive name will need to be entered.

After creating the predefined POIs, they can be downloaded to the infotainment system from either a USB stick or SD card.

Once downloaded, the POI data becomes a selectable destination in the My POIs menu.

Creating a Text File with Information

Create a text file by using a simple text editor software. Save this file with a name and extension of .csv, for example, “TomsPOI.csv.”

Enter the POI information into the text file in the following format:

- Longitude coordinate, Latitude coordinate, “Name of POI,” “Additional information,” “Phone number.”

Example: 7.0350000, 50.6318040, “Michaels Home,” “123 Maple Lane,” “02379234567.”

- The GPS coordinates must be expressed in decimal degrees and can be taken from a geographical map. The additional information and phone number strings are optional.

- The POI name and the additional information string may not exceed 60 characters.

- POI information for each destination address must be entered in a single separate line.

Storing the POI on a USB Drive

In the root directory of a USB drive, create a folder name “myPOIs,” for example, “F:\myPOIs.” In the “myPOIs” folder, store the text file with your POIs, for example, “F:\myPOIs\TomsPOIs.csv.”

Downloading the POI to the Infotainment System

Connect the USB drive or SD card containing the POI information to the USB port or SD card slot of the infotainment system. A message displays prompting whether or not to download the POI information from the USB stick. All POIs found are saved even if they are in multiple folders.

Subfolders can also be created to organize the POIs into categories, for example, “F:\myPOIs\Restaurants\TomsPOIs.csv.” If the message is dismissed or ignored, no POI information is downloaded. This prompt will not reoccur for the current ignition cycle.

When the system is finished downloading, a pop-up displays asking to specify a category for the new POIs, if desired.
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Importing and Overwriting Categories
When POIs are found on a media device, the date of the file is examined and compared to the date for the files already in the system. If the file being downloaded is newer than the one on the system, that particular category of POIs is overwritten. Any other POIs that had previously been saved in other categories are not affected.

Address Book Download
If an Address Book is found on the connected USB device, the same alert is used to indicate that locations have been found and they can be downloaded. If there is already content in the vehicle Address Book, the system prompts if the stored content should be overwritten. Select Save to overwrite the existing Address Book information. Select Cancel to abort the import of information.

Browsing Downloaded POIs
Access the downloaded POIs by selecting the My POIs list item in the POIs list.

Edit My POIs
Downloaded POIs can be edited at a category level. These POIs can either be deleted as an entire category or be reassigned as another category. To edit the categories:
- Select the EDIT button at the main category view to edit the POIs. Edit buttons display next to each category name. There is no POI browsing in this mode. Only edit functions are available.

Changing POI Categories
POI categories can be assigned to a different category by using the same method as assigning a category for an Address Book entry. When editing, the right side of the screen displays the current category name.

Deleting POI Categories
POI categories can be deleted by selecting Edit and then Delete. A pop-up displays to confirm the deletion.

- Once an action such as deleting or reassigning has been selected, the changes are saved immediately.
**Saved Destinations**

Select a saved destination from the Contacts or Recent Destinations.

**Contacts**

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

Touch on an address, either from the Quick Route on the contact list or a specific address from the contact detail list, to go to the destination view showing that address on the map.

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

**Favorite Destinations**

- Destinations can be saved as Favorites for recall later. Depending on the favorite, when an address or POI favorite is recalled, the Destination Details View is shown.
  - When a favorite address is being routed to, it is shown active. Touch on the active favorite, to suspend that route.
  - Save locations as Favorites for recall later in the Destination Details View.
  - Save trips from the Address Book.

**Storing Favorites from the Contact Details List**

A contact name or any of the contact’s information such as phone number or address from Contact Details can be stored as a Favorite.

- Touch and hold on the favorite location while viewing a contact on the Contact Details List. The contact name and all contact information can be stored.
- Touch to save as a favorite. The favorite label will be the name of the contact.
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**Storing Favorites from Map**

Favorite locations can be stored from the Map View.

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

**Route Guidance**

- Touch GO to go to the main navigation view and to start route guidance.
- If the system has an active route, a pop-up will display, “What would you like to do with this destination?” The options are: Add As Waypoint, Set New Destination, or Cancel.
- If a waypoint is added, it is placed in the location that leads to the most efficient route.
- There is a maximum number of waypoints that can be added to the system. When the maximum number of waypoints has been reached, a pop-up displays indicating that a waypoint must first be deleted before a new one can be added. The system will hold this waypoint into a Pending Waypoints list and will automatically be added to the route once a position is available, either by arriving at a waypoint, or by deleting one.

**Estimated Time of Arrival (ETA) and Distance**

- When under route guidance, the system shows the ETA or travel time, or the driving distance.
- The ETA and travel time are calculated using any available traffic information.
- If in a waypoint trip, the ETA, travel time, and driving distance are all shown relative to the final destination.
- The final ETA is shown taking into consideration any time zone crossings that the route has traveled through.
- Touch the ETA information area to switch between the estimated arrival time, total driving time resulting, and driving distance.
Turn List

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

**Destination**

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

**End Guidance**

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

**Avoid Areas**

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

**Turn List**

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

**Saved Trips**

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

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

Waypoints

- When under a waypoint trip, touch on the next turn indicator to bring up the waypoint list. The last waypoint view is shown, which could be Waypoints, Turn List, or Edit Route.

- The waypoint list is sorted in order with the next waypoint at the top of the list. Each waypoint is indicated with a numbered icon, starting with the next waypoint.

- To indicate what segment of the route is for the next waypoint, and what is for the remainder of the route, they appear in different colors.

Optimized Route

- Touch the Optimize screen button to optimize the current waypoint trip.

- The optimization is done according to how the preferences are set for new routes, for example, fastest route, shortest distance, or eco friendly.

- While the system is optimizing the route, the waypoint trip has the Activity Indicator displayed over top of it. If the system is calculating the ETA and travel distance for a waypoint, the Activity Indicator is displayed in the list header.

- When either a waypoint trip is first created, or additional waypoints are added to an existing waypoint trip, they are added in the location that would lead to an optimized route.

- If a destination is already planned and a waypoint is added, it is either added before or after the current destination, whichever leads to the most optimal route.

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

Edit Route

- Touch the Edit Route screen button to modify the order or remove a waypoint from the route. Touch the delete screen button to remove a waypoint from the route.

- A pop-up displays asking for confirmation of the waypoint deletion.
**SiriusXM Weather (If Equipped)**

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

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

**Current Condition**

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

**Weather Regions**

When in the weather application, touch the MENU screen button to display a split map.

The list displayed on the left of the split map allows changes to the location.

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

Touch the Exit screen button to return to the main weather map.

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

**Weather Screen Not Under Guidance**

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

**Doppler Map**

The Doppler map is shown with the vehicle location in the center of the map.
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City and State: The city and state are displayed for the view currently shown. The default is the current city and state that the vehicle is in.

Forecast Information

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

Weather Menu

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

The options are:

- Weather Advisories: Any weather advisories in effect for the local area or while on route are displayed in a list. Touch on an advisory from the list to display a screen that gives additional details about the advisory and shows the advisory location on the map.
- Configure Weather Alerts: Touch to access the Weather Alerts menu. Touch Weather Alerts line item to turn the alerts On or Off.

Touch to select any one of the other line items such as High, Low, Informational to filter the selected alerts for display, while the others will be suppressed.

- Map Legend: Touch to display the Map Legend.

Interaction Selector

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

These buttons are:

- ZOOM – or ZOOM +: Touch to zoom the map in or out.
- RESET: Touch to reset the map back to its original location.
- SEARCH: Touch to search for a new weather map location. The last destination screen displays. Touch any button along the bottom of the Interaction Selector to help find a different destination. These are CITIES, and RECENT.
Touch the icon to activate voice recognition. Say a city and state or ZIP code. Follow the voice prompts to find the desired destination.

Touch CITIES to enter a city and state or ZIP code.

Touch RECENT to display a list of locations that were recently viewed for weather.

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

If one match results from a weather search, the system returns to the map. The map and forecast information updates for that location.

If there are multiple results from the weather search, a list of possible matches displays. The map shows the first match in the list along with the current weather information in the lower right corner.

- **HOURLY**: Touch to display the hourly forecast for the current vehicle location. A forecast icon is shown for each period available.
- **36-HOUR**: Touch to display the current weather, six-hour forecast, and tomorrow's weather. A forecast icon is shown for each period available.
- **DAILY**: Touch to display a daily forecast for the next five days. A forecast icon is shown for each period available.

- **MENU**: Touch to display the current advisories, turn weather alerts on or off, and view the map legend.
- **ROUTE**: Touch to display the forecasted weather for the route. This feature is only available while under route guidance.

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

**SiriusXM NavTraffic (If Equipped)**

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

Detailed traffic information is delivered to the vehicle’s navigation system by the SiriusXM Radio satellites. SiriusXM NavTraffic provides continuously updated traffic information.

The service may be available in more cities in the future. See www.siriusxmnavtraffic.com for more details on local coverage.
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To access the traffic features, touch the Traffic screen button on the Map Menu.

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

Traffic Alert While Under Guidance

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

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

Traffic Alert While Not Under Guidance

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

Movie Listings

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

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

**Fuel Pricing**

When SiriusXM information is available for a particular fuel station, the price displays for the regular unleaded or diesel fuel, depending on the fuel type configured in the system. This fuel station POI can either be searched for through a POI search or browsed through the POI category structure.

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

**OnStar® System**

With an OnStar® subscription, an OnStar Advisor can download a destination to the vehicle or into the built-in navigation system. If an OnStar Turn-by-Turn route is in progress, all other internal navigation functions are disabled until the route is completed.

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

**Turn-by-Turn Navigation**

Touch the MENU button to go to the Turn-by-Turn menu.

The following options display:

- Update Route (if the vehicle is off the route)
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- Cancel Route
- My Destination
- Route Preview
- Repeat

My Destination
Select My Destination to display a special version of the Maneuver View. The Destination Address is displayed in the Street Name and the total distance to the destination is displayed in the Distance to Maneuver View. Touch the DONE button to return to the Maneuver View.

Route Preview
- Touch Route Preview to display the Maneuver View.
- Touch NEXT or PREV to display the next or previous maneuver information, including distance between it and the previous maneuver.
- Touch the DONE button to return to the Maneuver View.

Repeat
Select Repeat to go back to the Maneuver View and repeat the audible maneuver prompt.

No Active Route
- The system receives the indication that there is an active OnStar subscription, then help text is displayed with instructions on how to set up a route.

Cancel a Route
If a route is in progress using either the vehicle navigation system or the OnStar Turn-by-Turn route, and a new route is requested, the current route in progress will be canceled. An OnStar Advisor can cancel the vehicle navigation system route. Route guidance can be resumed by selecting the Resume Route screen button in the Map Menu.

Global Positioning System (GPS)
The position of the vehicle is determined by using satellite signals, various vehicle signals, and map data.

At times, other interference such as the satellite condition, road configuration, condition of the vehicle, and/or other circumstances
can affect the navigation system's ability to determine the accurate position of the vehicle. The GPS shows the current position of the vehicle using signals sent by GPS Satellites. When the vehicle is not receiving signals from the satellites, a symbol appears on the map screen. See Navigation Symbols 35.

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 51 and If the System Needs Service 52.

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.
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- 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 \( \Rightarrow \) 35.

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

**If the System Needs Service**

If the navigation system needs service and the steps listed here have been followed but there are still problems, see Problems with Route Guidance \( \Rightarrow \) 51.

**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 online.

To order, have the vehicle’s Vehicle Identification Number (VIN) available to ensure the correct and most up-to-date map data for the vehicle is sent. See “Vehicle Identification Number (VIN)” in the owner manual.

**Database Coverage Explanations**

Coverage areas vary with respect to the level of map detail available for any given area. Some areas feature greater levels of detail than others. If this happens, it does not mean there is a problem with the system. As the map data is updated, more detail can become available for areas that previously had limited detail. See Map Data Updates \( \Rightarrow \) 52.
Voice Recognition

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

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

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

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

Using Voice Recognition

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

1. Press on the steering wheel control to activate voice recognition, or touch on the infotainment touchscreen on the center stack.
2. The audio system mutes and the system plays a prompt followed by a beep.
3. Wait until after the beep completes, then clearly speak one of the commands described in this section.

A voice recognition system prompt can be interrupted while it is playing by pressing again.

For example, if the prompt seems to be taking too long to finish, press again and the beep should happen right away.

There are two voice prompt modes supported:

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

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

Prompts and Screen Displays

While a voice recognition session is active, there will be corresponding buttons on screens displayed. Manual interaction in the voice recognition session is permitted. Interaction during a voice session may be completed entirely using voice commands, or some selections may expedite a session.
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If a selection is made using a manual control, the dialog will progress in the same way as if the selection was made through a voice command. Once the system is able to complete the task, or the session is terminated, the voice recognition dialog stops.

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

Canceling Voice Recognition

- Touch the Home screen button. Touching this button will terminate a voice recognition session which was initiated by touching the button on the radio touchscreen.

- Touch or say "Cancel" or "Exit" to terminate the voice recognition session and display the screen from which voice recognition was initiated.

- Press 🌶 on the steering wheel controls to terminate the voice session and display the screen from which voice recognition was initiated.

Most languages do not support natural language commands in sentence form. For those languages, use direct commands like the examples shown on the display.

Helpful Hints for Speaking Commands

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

For best results:

- Listen for the prompt and wait for the beep before saying a command or reply.

- Say "Help" or look at the screen display for example commands.

- Voice recognition prompt can be interrupted while it is playing by pressing 🌶 again.

For example, if the prompt seems to be taking too long to finish, to speak the command without waiting for the prompt to complete, press 🌶 again and wait for the beep.

- Speak the command naturally, not too fast, not too slow. Use direct commands without a lot of extra words.

- Usually Phone and Audio commands can be spoken in a single command.

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

- Navigation destinations are too complex for a single command. First, state a command that explains the type of destination needed, such as I want directions to an "Address," "Navigate to an intersection," "I need to find a Place of Interest or POI," or "Directions to a Contact." The system responds with requesting more details.
After saying “Place of Interest,” only major chains are available by name. Chains are businesses with at least 20 locations. For other POIs, say the name of a category like “Restaurants,” “Shopping Malls,” or “Hospitals.”

Most languages do not support natural language commands in sentence form. For those languages, use direct commands like the examples shown on the display.

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

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

**Using Voice Recognition for List Options**

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

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

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

If manual selection takes more than 15 seconds, the session terminates and prompts that it has timed out. The screen returns to the screen where voice recognition was initiated.

**The Back Command**

Say “Back” or press ▲ BACK on the faceplate, or touch the Back screen button to go to the previous screen.

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

**Help**

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

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

Voice Recognition for the Radio

All audio screens have a voice recognition button ( JAXBElement® ) to launch audio voice recognition. If the voice button is touched in a radio screen, the voice commands for radio and media features are available.

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

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

"Switch to XM" : Switch bands to XM and tune to the last XM channel.

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

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

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

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

Voice Recognition for Audio My Media

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Handling Large Amounts of Media Content

It is expected that large amounts of media content will be brought into the vehicle. It may be necessary to handle large amounts of media content in a different way than smaller amounts of media. The system may limit the options of voice recognition by not allowing selection of song titles by voice at the highest level if the number of songs exceeds the maximum limit.

Voice command option changes through media content limits are:

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

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

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

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

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

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

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

Voice Recognition for Navigation

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

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

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

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

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

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

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

“Cancel Route” : End route guidance.

Voice Recognition for the Phone

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

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

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

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

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

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

Voice Pass-Thru
Voice pass-thru allows access to the voice recognition commands on the cell phone, for example, Siri or Voice Command. See the cell phone manufacturer’s user guide to see if the cell phone supports this feature. To activate the phone voice recognition system, press and hold $\mathcal{H}$ on the steering wheel for a few seconds.

Voice Recognition for OnStar (If Equipped)

Voice Recognition for Weather (If Equipped)
“Weather”: Begin a dialog to enter a weather location.
Phone

Bluetooth (Overview)
The Bluetooth-capable system can interact with many cell phones, allowing:

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

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

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

- Pair cell phone(s) to the vehicle. The system may not work with all cell phones. See “Pairing” in this section.

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

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

Steering Wheel Controls

- (Push to Talk) : Press to answer incoming calls, confirm system information, and start voice recognition.
- (End Call) : Press to end a call, decline a call, or cancel an operation. Press to mute or unmute the infotainment system when not on a call.

Infotainment System Controls
For information about how to navigate the menu system using the infotainment controls, see Infotainment 2.

PHONE : Touch this screen button on the Home Page to enter the phone main menu.

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

**Bluetooth (Infotainment Controls)**

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

**Pairing**

A Bluetooth-enabled cell phone must be paired to the Bluetooth system and then connected to the vehicle before it can be used. See the cell phone manufacturer’s user guide for Bluetooth functions before pairing the cell phone.

**Pairing Information**

- A Bluetooth phone with music capability can be paired to the vehicle as a phone and a music player at the same time.
- Up to 10 devices can be paired to the Bluetooth system.
- The pairing process is disabled when the vehicle is moving.
- Pairing only needs to be completed once, unless the pairing information on the cell phone changes or the cell phone is deleted from the system.
- One Bluetooth device can be connected to the Bluetooth system at a time.
- If multiple paired cell phones are within range of the system, the system connects to the paired cell phone in the order that they were last used in the system. To link to a different paired phone, see “Linking to a Different Phone” later in this section.

**Pairing a Phone**

1. Touch the PHONE screen button.
2. Select PHONES and select Pair New Device.
3. A four-digit Personal Identification Number (PIN) appears on the display. The PIN, if required, may be used in Step 5.
4. Start the pairing process on the cell phone to be paired to the vehicle. See the cell phone manufacturer's user guide for information on this process.
5. Locate “Buick IntelliLink” on the display. Follow the instructions provided in Step 3, to enter the PIN. After the PIN is successfully entered or the code is confirmed, the system responds with “<Device name> has been successfully paired” when the pairing process is complete.
6. If “Buick IntelliLink” does not appear, turn the phone off or remove the phone battery and retry.
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 Steps 1−5 to pair additional phones.
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Listing All Paired and Connected Phones
1. Touch the PHONE screen button.
2. Select PHONES.

Disconnecting a Connected Phone
1. Touch the PHONE screen button.
2. Select PHONES.
3. Touch the \( \times \) next to the phone to disconnect.

Deleting a Paired Phone
Only disconnected phones can be deleted.
1. Touch the PHONE screen button.
2. Select PHONES.
3. Touch the \( \bigcirc \) next to the phone to delete and follow the onscreen prompts.

Connecting to a Different Phone
To connect to a different phone, the new phone must be in the vehicle and paired to the Bluetooth system.

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

Switching to Handset or Handsfree Mode
To switch between handset or handsfree mode, touch the PHONE icon on the Home Page to display “Call View.”

- While the active call is hands-free, touch the Handset screen button to switch to the handset mode. The screen button changes to Handsfree once the Bluetooth device confirms it is operating as handset.
- While the active call is handset, touch the Handsfree screen button to switch to the hands-free mode. The screen button changes to Handset once the Bluetooth device confirms it is operating as handsfree.

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

When supported, the Contacts and Recent Calls menus are automatically available.

The Contacts menu accesses the phone book stored in the cell phone.

The Recent Calls menu accesses the recent call list(s) from your cell phone.

To make a call using the Contacts menu:
1. Touch the PHONE screen button.
2. Select CONTACTS.
3. Select the name to call.
4. Select the desired contact number to call.
To make a call using the Recent Calls menu:
1. Touch the PHONE screen button.
2. Select RECENT.
3. Select the name or number to call.
4. If necessary, select between Missed, Recent, and Sent calls by selecting the View button in the top right corner of the list.

**Making a Call Using the Keypad**

To make a call by dialing the numbers:
1. Touch the PHONE screen button.
2. Select KEYPAD and enter a phone number.
3. Select Call to start dialing the number.

**Accepting or Declining a Call**

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

**Accepting a Call**

To accept a call:
- Press ✨ on the steering wheel controls.
- Touch Answer on the center stack display.

**Declining a Call**

To decline a call:
- Press 📞 on the steering wheel controls.
- Touch Ignore on the center stack display.

**Call Waiting**

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

**Accepting a Call**

To accept a call-waiting call:
- Press ✨ on the steering wheel controls.
- Touch Answer on the center stack display.

**Declining a Call**

To decline a call-waiting call:
- Press 📞 on the steering wheel controls.
- Touch Ignore on the center stack display.

**Switching Between Calls (Call Waiting Calls Only)**

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

**Three-Way Calling**

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

To start a three-way call while in a current call:
1. In the Call View, select Add to add another call.
2. Initiate the second call by selecting from RECENT, CONTACTS, or KEYPAD.
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3. When the second call is active, touch Merge to conference the three-way call together.

4. Once all calls are merged, the Merge button becomes an Unmerge button. Touch to unmerge the calls.

Some wireless service carriers may not allow a merged call to become unmerged.

Ending a Call

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

Dual Tone Multi-Frequency (DTMF) Tones

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

1. Touch the PHONE screen button.

2. While in the Call View, touch the up arrow to raise the interaction selector.

3. Select KEYPAD and enter the number.

Voice Mail

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

To dial a voice mail number:

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

Bluetooth (Voice Recognition)

Using Bluetooth Voice Recognition

To use voice recognition, press the button on the steering wheel. Use the commands below for the various voice features. For additional information, say “Help” while in a voice recognition menu. See Voice Recognition 53 for help using voice recognition commands.

Making a Call

Calls can be made using the following commands.

Using the “Dial” or “Call” Command

To call a number:

1. Press . The system responds “Command Please,” followed by a tone.
2. Say “Dial” or “Call” followed by the complete phone number.
Use the “Voice Keypad” command for international numbers or special numbers which include * or #.

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

To call using a contact from your phone book:

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

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

Calling 911 Emergency

1. Press \( \text{g} \). The system responds “Command Please,” followed by a tone.
2. Say “Call 911.”

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

Using the “Switch Phone” Command

1. Press \( \text{g} \). The system responds “Command Please,” followed by a tone.
2. After the tone, say “Switch Phone.” The system displays a list of phones to select.

Using the “Voice Keypad” Command

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

Using the “Voice mail” Command

1. Press \( \text{g} \). The system responds “Command Please,” followed by a tone.
2. After the tone, say “Voice mail.” The system dials the voice mail number of the connected phone.

Clearing the System

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

Text Messaging

If equipped, the infotainment system may allow text messages to be received and replied to. Received messages can also be read aloud.

Before using the text messaging feature, check to see if the phone is compatible.

To view compatible phones in USA, see my.buick.com.
To view compatible phones in Canada, see gmtotalconnect.ca.

Text Menu

Inbox : Touch to display incoming messages. To view a message, touch on the name of the sender. Touch to listen to the text message. Press BACK on the
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faceplate or touch the Back screen button to go back to the previous menu.

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

**Reply** : Touch to reply using a predefined text message. See “Text Settings.”

**Call** : Touch to place a call to the sender of the text message.

**Viewing a Text Message**

While viewing a text message:

- Touch Reply to reply using a predefined text message.
- Touch Call to place a call to the sender of the text message.

**Viewing Sender Information**

If equipped, touch the name of the sender to view sender information if this information matches contact information already stored.

**Select a Predefined Message** :

Touch to select from a set of quick messages. Touch the message to send.

**Predefined Messages**

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

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

To add a new message:

1. Touch Text Settings, then touch Manage Predefined Messages.
2. While in the predefined messages list view, select Add New Predefined Message and a keyboard displays.
3. Type a new message and touch NEW MSG when done to add the message. Press BACK on the faceplate or touch the Back screen button to go back to the predefined messages list. Touch X to delete one character at a time.

**Memory Full**

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

**Text Settings**

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

**Manage Predefined Messages** :

Touch to add, change, or delete predefined messages.

**Apple CarPlay and Android Auto**

If equipped, Android Auto™ and/or Apple CarPlay™ capability may be available through a compatible smartphone. If available, a PROJECTION icon will appear on the Home Page of the infotainment display.

To use Android Auto and/or Apple CarPlay:

1. Download the Android Auto app to your phone from the Google™ Play store. There is no app required for Apple CarPlay.
2. Connect your Android phone or Apple iPhone by using the compatible phone USB cable and plugging into a USB data port. For best performance, use the device's factory-provided USB cable. Aftermarket or third-party cables may not work.

The PROJECTION icon on the Home Page will change to Android Auto or Apple CarPlay depending on the phone. Android Auto and/or Apple CarPlay may automatically launch upon USB connection. If not, press the ANDROID AUTO and/or APPLE CARPLAY icon on the Home Page to launch.

For further information on how to set up Android Auto and Apple CarPlay in the vehicle, see my.buick.com or see “Customer Assistance” in the owner manual.

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Settings

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

Time and Date
Touch + or – to increase or decrease hours, minutes, and AM or PM. Touch 12Hr or 24Hr for 12 or 24 hour clock. Touch + or – to increase or decrease month, day, or year. See “Clock” in the owner manual.

Language
This will set the display language in the radio, instrument cluster, and voice recognition. Touch Language and select the appropriate language. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu.

Valet Mode (If Equipped)
This will lock the infotainment system and steering wheel controls. It may also limit top speed, power, and access to vehicle storage locations (if equipped).

To enable valet mode:
1. Enter a four-digit code on the keypad.
2. Touch Enter to go to the confirmation screen.
3. Re-enter the four-digit code.

Touch LOCK or UNLOCK to lock or unlock the system. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu.

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

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

- Number of Favorites Shown: Touch to set the number of favorites to display. Select Auto, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, or 60. Auto will adjust the number of favorite locations that can be seen. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu.

- Auto Cue Volume: If equipped, this feature adjusts the volume based on the vehicle speed. See AM-FM Radio \(\rightarrow\) 9.

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

Vehicle Settings
See “Vehicle Personalization” in the owner manual.

Bluetooth
From the Bluetooth screen button, the following may be displayed:
- Pair New Device: Touch to add a new device.
- Device Management: Touch to connect to a different phone source, disconnect a phone, or delete a phone.
- Ringtones: Touch to change the ring tone for the specific phone. The phone does not need to be connected to change the ring tone.

Voice Mail Numbers: This feature displays the voice mail number for all connected phones. The voice mail number may be changed by touching the EDIT button, typing in the new number, and touching SAVE. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu.

Text Message Alerts: This feature will turn text message alerts on or off. Press Text Message Alerts and then select OFF or ON. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu. See Text Messaging 65.

Display
From the Display screen button, the following may be displayed:
- Mode: Touch Auto, Day, or Night to adjust the display. Press BACK on the faceplate or touch the Back screen button to go to the previous menu.
- Calibrate Touchscreen: Touch to calibrate the touchscreen and follow the prompts. Press BACK on the faceplate or touch the Back screen button to go back to the previous menu.
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- Turn Off Display: Touch to turn the display off. Touch anywhere on the display area or press any faceplate button again to turn the display on.

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

Return to Factory Settings
Touching Continue restores all factory settings.
Select Return to Factory Settings and the following list may display:
- Restore Vehicle Settings: Restores factory vehicle personalization settings. Touch Restore Vehicle Settings. Touch Cancel or Continue. If continue is touched, a confirmation pop-up will appear indicating the vehicle settings have been restored.
- Clear All Private Data: Clears all private information. Touch Clear All Private Data. Touch Cancel or Continue. If continue is touched, a confirmation pop-up will appear indicating all private data has been cleared from the system.
- Restore Radio Settings: Restores factory radio settings. Touch Restore Radio Settings. Touch Cancel or Continue. If continue is touched, a confirmation pop-up will appear indicating the radio settings have been restored.

Press ▼ BACK on the faceplate or touch the Back screen button to go back to the main settings menu.

English and Metric Unit Conversion
To change the display units between English and metric units, see “Instrument Cluster” in the owner manual.
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Make: BOSCH
Model: NG 1.1 HMI; NG 2.0, 2.5 HMI
NOM-121–SCT1–2009
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