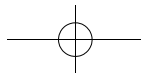


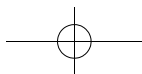


2012 Chevrolet Volt Navigation System

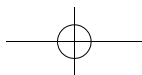
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Chevrolet Volt Navigation System - 2012



Black plate (2,1)





Introduction



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

The information in this manual supplements the owner manual.

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

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

Canadian Vehicle Owners

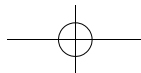
Propriétaires Canadiens

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

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

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

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





4 Infotainment System

Overview

Read this manual thoroughly to become familiar with how the navigation system operates.

The navigation system includes navigation and audio functions.

Keeping your eyes on the road and your mind on the drive is important for safe driving. The navigation system has built-in features intended to help with this by disabling some features when driving. A grayed-out function is not available when the vehicle is moving.

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

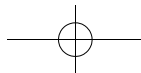
- Become familiar with the navigation system operation, buttons on the faceplate, and touch-sensitive screen buttons.
- Set up the audio by presetting favorite stations, setting the tone, and adjusting the speakers.
- Set up the navigation features, such as entering an address or a preset destination.
- Set up phone numbers in advance so they can be called easily by pressing a single button or a single voice command for navigation systems equipped with phone capability.

WARNING

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

Use the navigation system to:

- Plan a route.
- Select a destination using various methods and choices.
- Follow turn-by-turn route and map guidance with voice prompts, only if permitted by traffic laws, controls, and conditions.
- Receive RDS broadcast announcements.





Infotainment System 5

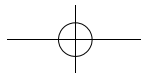
Always be alert and obey traffic and roadway laws and instructions, regardless of the guidance from the navigation system. Because the navigation system uses street map information that does not include all traffic restrictions or the latest road changes, it may suggest using a road that is now closed for construction or a turn that is prohibited by signs at the intersection. Always evaluate whether following the system's directions is safe and legal for the current conditions.

When the navigation system is turned on, a screen may appear with information that must be read and acknowledged before accessing some navigation features.

After acknowledging the start up information, the NAV (Navigation) and DEST (Destination) functions are accessible. Information can now be entered or deleted, and other functions accessed. See instructions later in this section.

Every 50 times the vehicle is started and the navigation system is turned on, the Caution screen appears. After reading the caution, select OK to load the map DVD information. If OK is not selected, all control buttons except for NAV (Navigation) and DEST (Destination) can be accessed.

When getting started, set your preferences or delete information in the navigation system using various options.

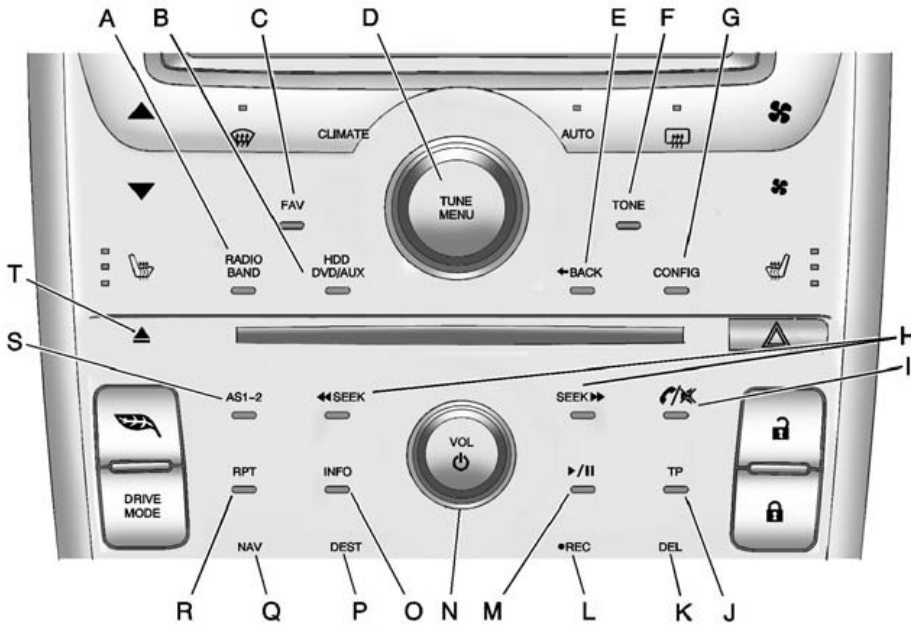




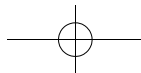
6 Infotainment System

Navigation System Overview

See "Navigation Control Buttons" under *Using the Navigation System* on page 37 for more information.



- A. RADIO/BAND (AM, FM, XM™ (if equipped))
- B. HDD/DVD/AUX (Source)
- C. FAV (Favorite)
- D. TUNE/MENU
- E. ◀ BACK
- F. TONE
- G. CONFIG (Configuration)
- H. ◀◀ SEEK or SEEK ▶▶
- I. ☎ / M (Phone/Mute)
- J. TP (Time Program)
- K. DEL (Delete)
- L. ● REC (Record)
- M. ▶/|| (Play/Pause)
- N. VOL/ ⏻ (Volume/Power)
- O. INFO (Information)
- P. DEST (Destination)
- Q. NAV (Navigation)



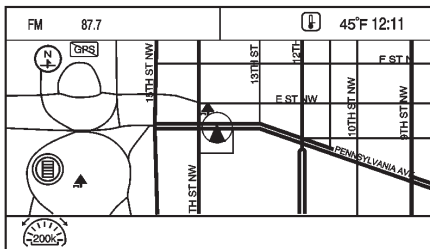


Infotainment System 7

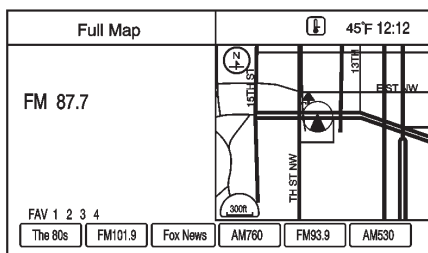
- R. RPT (Repeat)
- S. AS1-2 (Autostore)
- T. ▲ (Eject)

NAV (Navigation) Menu

Use the Navigation Menu screen to access the navigation system settings. See *Using the Navigation System on page 37* for more information.

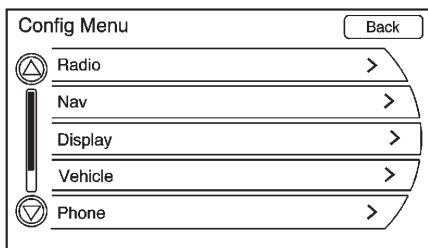


- Press the NAV button to view the navigation map screen. The map and the current vehicle location display.



- Press the NAV button to change between a map/audio split view or a full map view.

Config Menu



Press the CONFIG button to display the Config Menu. The Config Menu is used for changing the settings for

the radio, navigation, display, phone, vehicle configuration, and time features.

Turn the TUNE/MENU knob to scroll through the available setup features. Once the desired feature displays, press the TUNE/MENU knob or press the desired feature on the screen, to display more options within that feature.

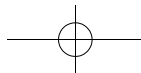
Languages

To change the display language, see "Vehicle Personalization" in the Index of the vehicle owner manual for more information.

The vehicle supports English, French Canadian, and Spanish. The default language is English.

English and Metric Unit Conversion

To change the display readings between English and metric units, see "Driver Information Center (DIC)" in the Index of the vehicle owner manual for more information.





8 Infotainment System

Deleting Personal Information

The navigation system can record and store destinations and personal information such as names and addresses.


It is recommended that this information be deleted when selling or disposing of the vehicle:

- Previous Destinations.
- Address Book, Fav Route, Preset Destinations, and HDD Music Files.

Storing Radio Station Presets

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

To store presets:

1. Press VOL/  to turn the system on.
If viewing a map screen, press the RADIO BAND button.
2. Select the band.
3. Seek or tune to the desired station to select it.

4. Press and hold one of the preset screen buttons for more than two seconds.
5. Repeat the steps for each preset.

To change the number of preset pages, see "Mixed-Band Presets" under *AM-FM Radio* on page 11 for more information.

Entering an Address and Point of Interest, and Storing Preset Destinations

The vehicle must be in P (Park) to perform these operations.



Entering an Address

To more easily find a city or a street name:

- Enter the street name first instead of the city name, or vice versa.
- Enter more characters or reduce the number of characters to reduce or expand the available options.

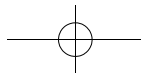
To set a destination by entering a street name:

1. Press the DEST button.
2. Press the Address Entry button on the touch screen.

3. Select the street name field. Enter the street name. Do not enter directional information or street type. Use the space  screen button between street and city names. Use the backspace  screen button to delete an incorrect character.

A list displays if four or fewer names are available. If there are more than four, there is a match counter with a number of available streets. Press the List screen button to view the list and select the street.

4. Press the state/province name field on the touch screen to change it. The last state/province name is automatically recalled.






Infotainment System 9

5. Select the city from the list or enter the city name.
6. Enter the house number. This field is automatically selected.
7. Press the OK screen button. The address information screen displays the address entered.
8. Press the Go screen button if correct. The route will calculate.
9. Select the route preference for Fastest, Shortest, or Easiest. See *Destination on page 47* for more information.
10. Press the Start Guidance screen button and the route is calculated.

See "Address Entry" under *Destination on page 47* for more information.

Entering a Point of Interest (POI)


To set a destination by entering a Point of Interest (POI):

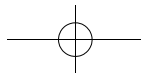
1. Press VOL/  to turn the system on.
2. A caution could appear. Press OK to proceed.
3. Press the DEST button.
4. Press the Point of Interest screen button.
5. Enter the specific title of the POI in the POI name space (e.g., Washington Monument).
If four or fewer names are available, a list displays. If more than four are available, there is a match counter with a number in it, representing the number of available POI names. Press the List screen button to view the list. Select the POI.
6. Press the Go screen button. The system calculates the route.

7. Select the route preference for Fastest, Shortest, or Easiest. The system highlights the route.
8. Press the Start Guidance screen button. The route is now ready to be started.

See *Destination on page 47* for more information on how to enter a POI.

Storing Preset Destinations

1. Press VOL/  to turn the system on.
2. If a caution appears, press the OK screen button to proceed.
3. Press the DEST button.
4. Enter a destination. See *Destination on page 47* for information on how to enter a destination.
5. Press Save from the map screen to add the current final destination to the address book.





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6. Press the Edit screen button and then press the Change Name field on the screen. An alpha-keyboard displays. Enter the name.
7. Press and hold one of the screen buttons at the bottom of the screen until the text in the button changes.

The address book entry name appears in that preset destination screen button and is now available to select from the Select Destination screen. See "Using the Stored Preset Destinations" following to select it as a destination.

See *Destination on page 47* for more information on how to add preset destinations.

Using the Stored Preset Destinations

These destinations are available for selection while driving.

1. Press VOL/  to turn the system on.
2. A caution could appear. Press the OK screen button to proceed.
3. Press the DEST button.
4. Press one of the available preset destination screen buttons. The system calculates the route.
5. Select the route preference for Fastest, Shortest, or Easiest. The system highlights the route.
6. Press the Start Guidance screen button. The route is now ready to be started.

See "Preset Destinations" under *Destination on page 47* for more information.

Canceling Guidance

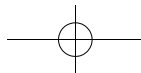
Guidance is canceled at the final destination. To cancel guidance prior to reaching the final destination:

1. Press the DEST button.
2. Press the Cancel Guidance screen button.
3. Press the Yes screen button to confirm cancellation.

Voice Guidance

To adjust the volume of voice guidance prompts:

1. Press the CONFIG button to enter the menu features. Turn the TUNE/MENU knob until Nav displays. Press the TUNE/MENU knob to select Nav or press the Nav screen button to display more options within that feature.
2. Press Voice Prompt.





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3. Press Voice Volume.
4. Press the + or – screen buttons to increase or to decrease the volume of the voice prompts.

See *Using the Navigation System* on page 37 for more information.

Cleaning the Display

Notice: Using abrasive cleaners when cleaning glass surfaces could scratch the glass. Use only a soft cloth and do not spray cleaner directly on the system as it could affect the mechanical parts.

Do not wipe the center stack with a hard cloth or use a volatile liquid such as paint thinner; it could scratch the surface or erase the characters on the buttons.

Radio

AM-FM Radio

Playing the Radio

Audio Source Menu

VOL/ (Volume/Power):

1. Press to turn the radio on or off.
2. Turn to increase or decrease the volume. The volume is adjusted for the current audio source, active navigation voice guidance, voice prompts, or audio cues.

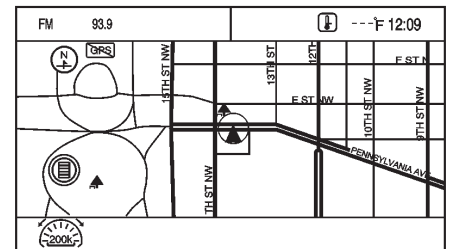
The steering wheel controls can also be used to adjust the volume. See “Steering Wheel Controls” in the Index of the vehicle owner manual for more information.

TUNE/MENU: Turn to change the radio station. See “Finding a Station” in this section for more information.

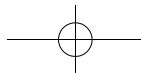
RADIO/BAND: Press to select the AM, FM, and XM (if equipped) band.

The audio sources can also be changed by using the steering wheel controls. See “Steering Wheel Controls” in the Index of the vehicle owner manual for more information.

HDD/DVD/AUX: Press until the desired source is selected.

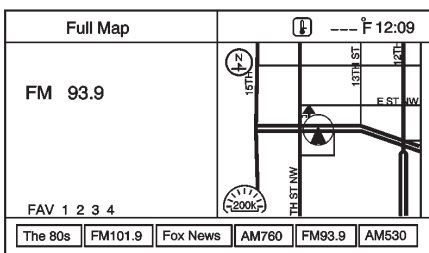


If the audio source is on while viewing a map screen, an audio source indicator button displays at the top of the map screen.





12 Infotainment System



Press the source indicator button to display the current audio source screen. The display shows a split screen with the audio source screen on the left side and the map or guidance screen on the right side. Press the Full Map button to exit the split screen.

Navigation Audio System

Sound Menu

To access the Sound menu, press the TONE button.

Use the Sound menu to adjust the following features:

- Setting the Tone
- Adjusting the Speakers

Setting the Tone

To adjust the tone using the Sound menu:

- Treble: Press + or - to change the level.
- Mid (Midrange): Press + or - to change the level.
- Bass: Press + or - to change the level.

Adjusting the Speakers

To adjust the speaker balance using the Sound menu:

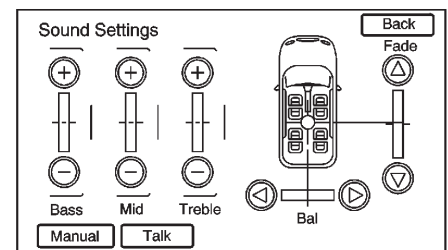
- Press and hold ◀ for more sound from the left speakers or the ▶ for more sound from the right speakers. The middle position balances the sound between the left and right speakers.

To adjust the speaker fade:

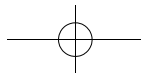
- Press and hold ▲ for more sound from the front speakers and the ▼ for more sound from

the rear speakers. The middle position balances the sound between the front and rear speakers.

EQ Settings



EQ (Equalization): The EQ settings are selected through the Sound menu. If the vehicle is equipped with the Bose® Energy Efficient Series sound system, EQ provides a choice of Manual or Talk settings.

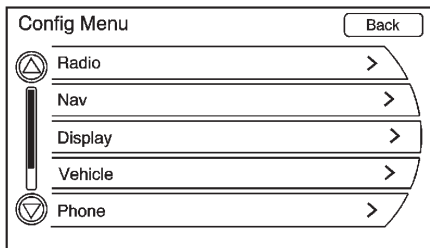




Infotainment System 13

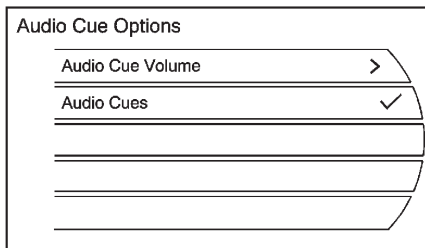
Radio Menu

There are two ways to access the Radio menu:



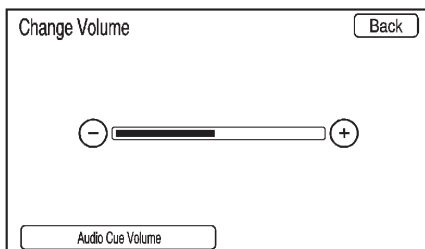
- Press the CONFIG button, then press the Radio screen button.
- Turn the TUNE/MENU knob until Radio displays. Press the TUNE/MENU knob to select Radio or press the Radio screen button to display more options within that feature.

Audio Cue Options



This menu allows changes to the Audio Cue features.

Audio Cue Options are used to welcome the driver to the car as well as indicate when the vehicle is ready to drive.



Audio Cue Volume: Press the + or – screen buttons to adjust the audio cue volume. The audio cue volume has a minimum volume. A “Limit Reached” pop-up will display when the volume has been changed to less than the minimum volume.

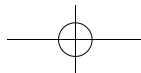
Press the Audio Cue Volume screen button to hear the selected sound level.

The audio cues can also be changed by adjusting the TUNE/MENU knob.

Audio Cues: Press to turn the audio cues on or off. A checkmark indicates the audio cues are on.

Auto Volume

Select OFF, Low, Medium, or High sensitivity to automatically adjust the volume to minimize the effects of unwanted background noise that can result from changing road surfaces, driving speeds, or open windows.





14 Infotainment System

This feature works best at lower volume settings where background noise is typically louder than the sound system volume.

Number of Favorite Pages

Change the number of mixed-band preset pages when using the FAV button. Press 1-6 to select the number of preset lists.

HDD FAV Pages (Number of Favorite Categories for HDD Mode)

Select the categories such as Playlist, Artist, Album, and Genre to be used as a favorite category during HDD mode.

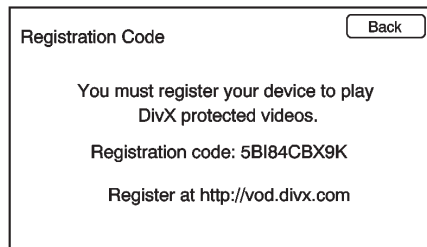
Show/Hide XM Categories

Configure favorite categories to be used during XM mode.

DivX® VOD

The DivX® VOD feature must be registered before it can be used.

1. Press the DivX® VOD screen button to display the DivX® Video on Demand menu.



2. Press the Registration Code screen button to display the Registration Code information display.
3. Press the Deactivation option to unregister this device.

Finding a Station

To select the band, see “Audio Source Menu” earlier in this section.

Turn the TUNE/MENU knob to find a radio station. To select a preset station, press the corresponding preset button.

See “Mixed-Band Presets” later for more information.

Seeking a Station

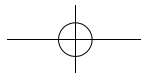
Press ◀◀ SEEK or SEEK ▶▶ to search for a station.

Local Station List Search

To find a list of local stations in the current band, press the TUNE/MENU knob. The radio performs a search for available stations.

Mixed-Band Presets

Up to 36 preset stations can be stored. Each page can store six preset stations. The presets within a page can be from different radio bands.





Infotainment System 15

To scroll through the pages, press the FAV button. The current page number displays above the preset buttons. The stored stations for each list display on the preset buttons at the bottom of the screen. The number of preset FAV lists can be changed.

To store a radio station to a mixed-band preset list:

1. Press the RADIO BAND button, then press AM, FM, or XM (if equipped), to select the desired band.
2. Tune to the station.
3. Press the FAV button to scroll to the list.
4. Press and hold one of the preset buttons for more than two seconds. The station frequency appears on the preset button at the bottom of the display.
5. Repeat the steps for each preset in each page.

To recall a preset station from a FAV page:

1. Press the FAV button to scroll to the page.
2. Press the preset button. The stored preset station is recalled.

Timeshift

The timeshift feature automatically begins recording the audio when listening to the radio.

The recording allows playback of content that was missed.

Timeshift stores up to 20 minutes of content. After 20 minutes, it removes the oldest content and continues recording new content.

While listening to the radio, press ▶/|| (Play/Pause) to stop hearing the information through the speaker. During this paused time, timeshift keeps recording. A status bar displays the length of the recording.

To resume listening to the broadcast at the point left off, press ▶/|| again.

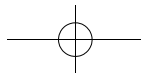
Timeshift stops recording and erases the buffer when the vehicle is turned off or the station or source is changed.

Before turning the vehicle off, press ▶/|| so that timeshift keeps recording for 20 minutes. If the vehicle is still off after 20 minutes, the system stops recording and all information is lost. If a low 12-volt battery condition occurs, timeshift stops recording and all information is erased.

Radio Data System (RDS)

The audio system has a Radio Data System (RDS). RDS features are available for use only on FM stations that broadcast RDS information. With RDS, the radio can:

- Seek to stations broadcasting the selected type of programming.





16 Infotainment System

- Receive announcements concerning local and national emergencies.
- Display messages from radio stations.

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

The RDS system is always on. When information is broadcast from the current FM station, the station name or call letters display on the audio screen. RDS can provide a program type (PTY) for current programming and the name of the program being broadcast.

Satellite Radio

XM™ Satellite Radio Service

Vehicles with an XM satellite radio tuner and an XM satellite radio subscription can receive XM programming.

XM is a satellite radio service based in the 48 contiguous United States and 10 Canadian provinces. XM satellite radio has a wide variety of programming and commercial-free music, coast to coast, and in digital-quality sound. A service fee is required to receive the XM service. For more information, see www.xmradio.com or call 1-800-929-2100 in the U.S. In Canada, see www.xmradio.ca or call 1-877-438-9677.

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

XM Categories

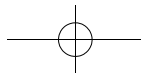
XM stations are organized in categories.

Removing or Adding Categories

1. Press the CONFIG button. Turn the TUNE/MENU knob until Radio displays. Press the TUNE/MENU knob or press Radio to display the radio settings menu.
2. Select the Show/Hide XM Categories screen button.
3. Press the category buttons on the screen to show or hide the category.

XM Messages

XL (Explicit Language Channels): These channels, or any others, can be blocked by request, by calling 1-800-929-2100 in the U.S., and 1-877-438-9677 in Canada.





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XM Updating: The encryption code in the receiver is being updated. No action is required. This process should take no longer than 30 seconds.

Loading XM: The audio system is acquiring and processing audio and text data. No action is needed. This message should disappear shortly.

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

Channel Unauth: This channel is blocked or cannot be received with your XM subscription package.

Channel Unavailable: This previously assigned channel is no longer assigned. Tune to another station.

No Artist Info: The system is working properly. No artist information is available at this time on this channel.

No Title Info: The system is working properly. No song title information is available at this time on this channel.

No CAT Info: The system is working properly. No category information is available at this time on this channel.

No Information: The system is working properly. No text or informational messages are available at this time on this channel.

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

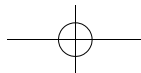
CAT Not Found: The system is working properly. There are no channels available for the selected category.

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

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

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

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





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Audio Players

CD/DVD Player

The player can be used for CD, MP3, and DVD audio, and as a DVD video player.

With the vehicle on, insert a CD/DVD into the slot, label side up. The player pulls it in and begins playing. While playing, the navigation system is available.

The vehicle must be in P (Park) for video to display.

The DVD player is only compatible with DVDs of the appropriate region code printed on the jacket of most DVDs.

The system is capable of playing:

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

- DVD-Audio
- DVD-R/RW
- DVD+R/RW

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

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

To avoid damage to the CD/DVD player:

- Do not use scratched or damaged discs.
- Do not apply labels to discs. The labels could get caught in the player.
- Insert only one disc at a time.


- Keep the loading slot free of foreign materials, liquids, and debris.
- Use a marking pen to label the top of the disc.

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.

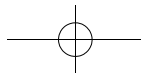
The disc automatically plays once loaded.

Press  to eject a disc from the CD/DVD player.

Playing a CD/DVD

A disc must be loaded to select the source.

When a disc is loaded, the disc icon displays.

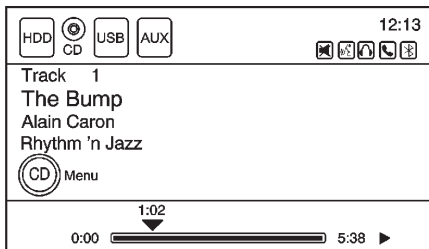




There are two ways to play a CD/DVD:

- Insert the disc and play starts automatically.
- Press the HDD/DVD/AUX button, then press the disc screen button.

Playing an Audio CD



A track number displays at the beginning of each track. Song, Artist, and Album information displays when available.

Use the following controls to play the disc:

▶/|| (Play/Pause): Use to start, pause, or resume play.

SEEK ►►:

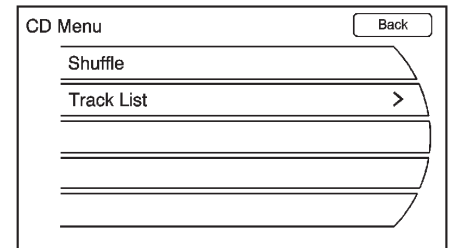
- Press to seek to the next track.
- Press and hold to fast forward through a track. Release the button to return to playing speed. Elapsed time displays.

◀◀ SEEK:

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

TUNE/MENU: Turn to the right or left to display the track list. Turn it again to cycle through the list. Press this knob to select the track. The system plays the selected track and returns to the CD screen.

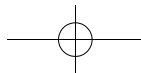
CD Menu



Press the CD Menu screen button to display the CD Menu.

Shuffle: Press to play the tracks randomly rather than in sequence. Press again to stop shuffle. A checkmark indicates shuffle is on.

Track List: Press to display the list of tracks on the disc. Select a track from the list. The selected track plays and the CD screen displays.

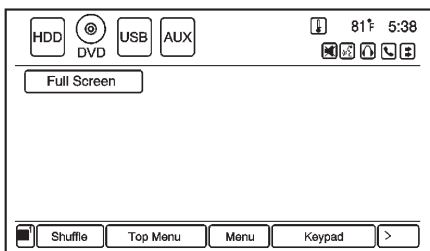




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Playing an Audio and Video DVD

To view the DVD video, the vehicle must be in P (Park) or the parking brake must be engaged.



After the DVD is loaded, the menu options display on the DVD screen. The menu options time out and a full screen appears after about 10 seconds. Press anywhere on the navigation system screen or press the FAV, HDD/DVD/AUX, or ◀ BACK button to view the menu screen again.

Use the preset keys or press screen buttons to operate the DVD options.

There are two pages of DVD options. Press the arrow screen button, in the bottom right corner of the screen, to access the other page. Only the highlighted functions are available for use. Some menu options are only available when the disc is not playing.

DVD Options

Full Screen:

1. Press to hide the DVD options and display the full video image.
2. Press anywhere on the navigation system screen or press the FAV, HDD/DVD/AUX, or ◀ BACK button to display the source screen buttons over the video image.

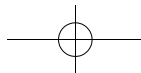
Cursor: Press this button to access the Cursor menu. The arrows and other cursor options allow navigation of the DVD menu options. The Cursor menu options are only available if a DVD has a menu.

◀, ▲, ▶, ▼ (**Arrow Buttons**): Use these arrow screen buttons to navigate through the DVD menu.

▶/|| (**Play/Pause**): Use to start, pause, or resume play.

SEEK ▶▶:

1. Press to seek to the next chapter.
2. Press more than once to continue moving forward through the disc.
3. Press and hold to fast forward through a disc. When fast forward is active, press again to change the speed. Elapsed time displays.
4. Press ▶/|| to resume playing.





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◀ SEEK:

1. Press to seek to the beginning of the current or previous chapter. If the chapter has played for less than five seconds, it goes to the previous chapter. If the chapter has played longer than five seconds, the current chapter is restarted. More than one press continues moving back through the disc.
2. Press and hold to fast reverse through a disc. When fast reverse is active, press again to change the speed. Elapsed time displays.
3. Press ▶/|| to resume playing.

TUNE/MENU: Press ◀◀ SEEK or SEEK ▶▶ to go to the next or previous chapter. You can also change chapters by turning the TUNE/MENU knob after touching the screen.

Stop:

1. Press on the display screen to show the available buttons. Press the stop button to stop the DVD.
2. To resume playing the DVD from where it stopped, press ▶/||.
3. Press ▶/|| twice to start the DVD from the beginning.

⌘ (Shuffle):

1. Press to play the tracks randomly rather than in sequence.
2. Press again to play sequentially. This button is available for DVD audio discs.

Top Menu: Press to display the first menu of the DVD. Availability of this feature is dependent on the DVD.

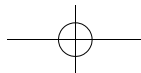
Menu: Press to display the menu for the part of the DVD currently playing. Availability of this feature is dependent on the DVD and is not available for audio DVDs.

Keypad: Press to display and search through the chapter, track, or menu number screen. On the keypad, enter the title/chapter number or the group/track number.

Search: Press to perform a title search.

Angle: Press to adjust the viewing angle of the DVD, depending on the DVD, while the DVD is playing. Continue pressing to cycle through the viewing angles.

Audio: Press to change the audio stream and the audio language heard, while the DVD is playing. Continue pressing to cycle through the available audio streams or languages, depending on the DVD.





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Subtitle: Press while a DVD is playing to view with subtitles on or off or to change the language of the subtitles. Continue pressing to cycle through the available subtitle languages and to turn subtitles off, depending on the DVD playing.

Pan Scan: Pan Scan is a method of adjusting widescreen film images so that they can be proportioned to fit the DVD screen display. Press this screen button to turn on Pan Scan.

Error Messages

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

- The disc has an invalid or unknown format.
- The disc is not from a correct region.

- The disc is very hot. Try the disc again when the temperature returns to normal.
- The road is very rough. Try the disc again when the road is smoother.
- The disc is dirty, scratched, wet, or upside down.
- The air is very humid. Try the disc again later.
- There was a problem while burning the disc.
- The label is caught in the CD/DVD player.

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

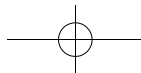
If any error continues, contact your dealer.

MP3

Playing an MP3 CD and DVD

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

- Sampling rate: 8 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, 44.1 kHz, and 48 kHz.
- Bit rates supported: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, 224, 256, and 320 kbps.
- Maximum number of folders: 255 with a maximum hierarchy of eight folders.
- Maximum of 1,024 files on a disc.
- Recorded on a CD-R or CD-RW with a maximum capacity of 700 MB.
- DVD-Dual Layer discs should not be used.

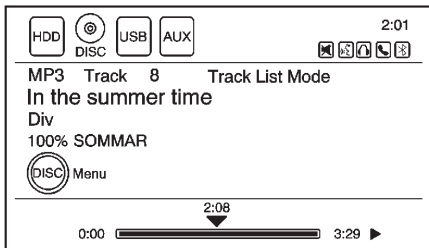




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- The Artist/Album/Song Titles/Genre information requires a CD to be fully scanned before the music navigator works with these menus. Disc scanning does not occur when the disc is being played.

When an MP3 is loaded in the player, MP3 displays.



If a disc is already loaded, but you are currently on a map screen or listening to a different audio source, press the HDD/DVD/AUX button to switch to the disc source. A track number appears on the display when each track starts to play.

To play a disc:

▶/|| (Play/Pause): Use to start, pause, or resume play of a loaded disc.

SEEK ►►:

- Press to seek to the next track.
- Press again to continue moving forward through the disc.
- Press and hold to advance quickly through playback.
- Release the button to return to playing speed. Elapsed time displays.

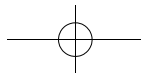
◀◀ SEEK:

- Press to seek to the beginning of the current or previous track. If the track has played for less than five seconds, it goes to the previous track. If longer than five seconds, the current track restarts.

- Press again to continue moving back through the disc.
- Press and hold this button to reverse quickly through playback.
- Release the button to return to playing speed. Elapsed time displays.

TUNE/MENU:

- Turn to the right or left to display the track list.
- Turn it again to cycle through the list.
- Press TUNE/MENU to select the track. The system plays the selected track and returns to the CD screen.

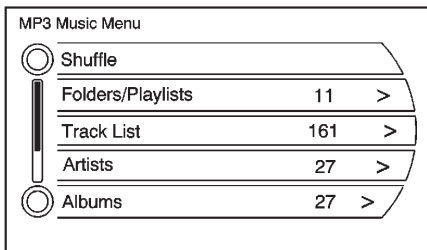




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MP3 Music Menu

Press the DISC Menu screen button or press the TUNE/MENU knob on the faceplate while on the disc audio screen to display the MP3 Music Menu.



Press any of the following category buttons on the MP3 Music Menu to display the corresponding category screen:

- **Folders/Playlists**

Press to view the folders stored on the disc. Select a folder to view the list of all songs in that folder. There might be a delay

before the list displays. Select the song from the list and it begins to play.

- **Track List (All Songs)**

Press to view a list of all songs on the disc. There might be a delay before the list displays. Select a song from the list and it begins to play. Songs are displayed based on the CD burning application folder and file structure used.

- **Artists**

Press to view the list of artists stored on the disc. Select an artist name to view a list of all songs by the artist. There might be a delay before the list displays. Select the desired song from the list and it begins to play.

- **Albums**

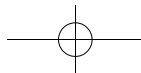
Press to view the albums on the disc. Select the album to view a list of all songs on the album. There might be a delay before the list displays. Select a song from the list and it begins to play.

- **Genres**

Press to view the genres on the disc. Select a genre to view a list of all songs of that genre. There might be a delay before the list displays. Select a song from the list and it begins to play.

- **Song Titles**

Press to display a list of all songs on the disc. There might be a delay before the list displays. Select a song from the list and it begins to play. Songs are displayed in alphabetical order based on the Song Title ID3 tag, if available.





Root Directory

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

Empty Directory or Folder

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

No Folder

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

File System and Naming

The displayed song title is taken from the file's ID3 tag. If a song title is not present in the ID3 tag, the radio displays the file name as the track name.

Preprogrammed Playlists

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

Hard Drive Device (HDD)

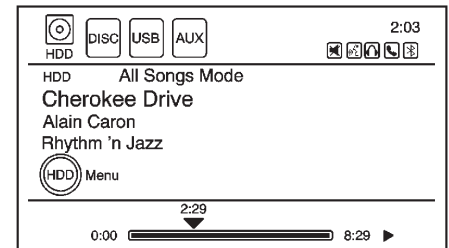
With a Hard Drive Device (HDD), songs can be recorded.

The types of formats supported by the HDD are:

- MP3
- MP3-Pro
- WMA
- Audible.com
- M4A

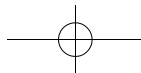
Songs can be recorded from a CD player or a mass media storage device connected by a USB connector.

For optimal recording performance, make sure the disc is clean with no damage; otherwise the system might partially record the track.



To select the hard drive audio source:

Press the HDD/DVD/AUX button; cycle through the available audio sources until the HDD source displays or press the HDD/DVD/AUX button once, and then press the HDD source button.





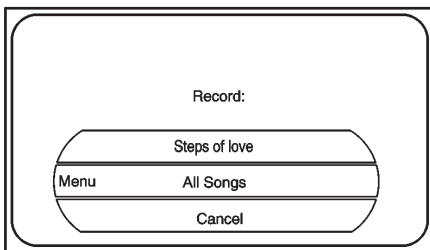
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Recording from a CD to the Hard Drive

The speed of the recording increases if you are listening to another source while recording.

To record all tracks from the disc:

1. Load a CD or press the HDD/DVD/AUX button until the Disc screen displays.
2. Press the ● REC button.
3. A confirmation displays.



4. Select All Songs to record all tracks. A progress bar displays.

To record selected tracks from the disc:

1. Load a CD or press the HDD/DVD/AUX button until the Disc screen displays.
2. Press ◀◀ SEEK or SEEK ▶▶ or the CD/MP3 Music Menu to select a song for recording.
3. Press the ● REC button.
4. A confirmation displays.
5. Select the song name to record. A progress bar displays.

Recording from a USB Device to the Hard Drive

To copy all tracks from the USB device:

1. Connect a USB device or press the HDD/DVD/AUX button until the Disc screen displays the USB screen.
2. Press the ● REC button.

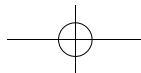
3. A confirmation displays.
4. Select All Songs to copy all tracks. A progress bar displays.

To record selected tracks:

1. Connect a USB device or press the HDD/DVD/AUX button until the Disc screen displays the USB screen.
2. Use the ◀◀ SEEK or SEEK ▶▶ or the Music Menu to select a song for recording.
3. Press the ● REC button.
4. A confirmation displays.
5. Select the song name to record. A progress bar displays.

Duplicate Content

When the record function starts, there is a check to verify that the content does not already exist on the hard drive. If the entire content of the CD exists on the hard drive, it will not record the content.





If it is determined that some or none of the content exists, then only that missing content will be copied to the hard drive.

If the same file is recorded from the USB and CD, it is possible to have duplicate tracks.

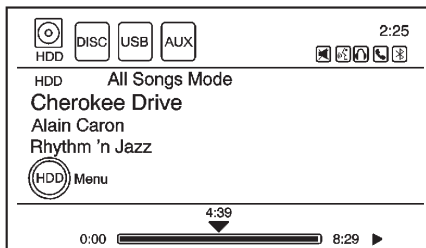
CD Eject

If the CD ejects before the recording process completes, only tracks that have been completely recorded are stored to the hard drive. Incomplete tracks are discarded.

Power Mode

If the system is turned off during a CD or USB recording process, it stops. When the radio is turned back on, the recording process does not resume automatically.

Playing Hard Disc Drive Content



To operate hard drive functions while the HDD source is active, use the following buttons or touch-sensitive buttons:

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

SEEK ▶▶:

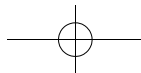
1. Press to seek to the next track.
2. Press and hold to advance quickly through playback.
3. Release the button to return to playing speed. Elapsed time displays.

◀◀ SEEK:

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

TUNE/MENU:

1. Turn to the right or left to display All Songs.
2. Turn it again to cycle through the list.
3. Press the TUNE/MENU knob to select the song. The system plays the selected song and returns to the CD screen.





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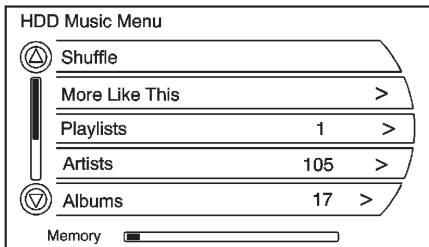
DEL (Delete):

1. Select the song from the HDD Music Menu screen to delete.
2. Press the DEL button.

To delete an entire list of Artists, Albums, or Genres, select the category from the HDD Music Menu screen. Press the DEL button.

HDD Music Menu

From the HDD screen, press the HDD Menu screen button on the HDD screen to display the HDD Music Menu.



Press any of the following buttons on the HDD Music Menu:

Shuffle: Press to play the tracks randomly rather than in sequence.

More Like This: Press to use Gracenote® music recognition technology and related data to generate a list of songs similar to the current song. Select a song from the list.

This feature is only available with songs recorded to the HDD from audio CDs, not MP3s and other compressed audio.

When recording CDs to the HDD, there might be delays to build the list until all files are compressed.

Playlists:

1. Press to view the playlists on the hard drive.
2. Select a playlist to view a list of all songs in the playlist.
3. Select a song from the list. Once selected, Playlist Mode displays.

Artists:

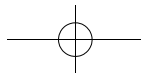
1. Press to view the artists on the hard drive.
2. Select an artist to view a list of all songs by that artist.
3. Select a song from the list. Once selected, Artist Mode displays.

Albums:

1. Press to view the albums on the hard drive.
2. Select an album to view a list of all songs on the album.
3. Select a song from the list. Once selected, Album Mode displays.

All Songs:

1. Press to view a list of all songs on the hard drive.
2. Select a song from the list. Once selected, All Songs Mode displays.



**Genres:**

1. Press to view the genres on the hard drive.
2. Select a genre to view a list of all songs of that genre.
3. Select a song from the list. Once selected, Genre Mode displays.

Recently Saved: Press to view a list of the 50 most recently saved songs to the HDD. Once selected, Recently Saved Mode displays.

Saving HDD Favorites

During HDD playback, to save the current song playing to a category preset:

1. Press the FAV button until the FAV playlist category displays.
2. Press and hold a preset button on the bottom of the screen until the Saved to Favorites message displays.

To save an entire Artist, Album, or Genre to a FAV category preset:

1. Press the FAV button until the correct FAV category appears.
2. Press and hold a preset button on the bottom of the screen.

Playing HDD Favorites

Favorites can be played two different ways:

- Press the FAV button until the appropriate FAV HDD category displays. Press a preset button at the bottom of the FAV HDD screen.
- Select FAV from the HDD Music Menu. Favorite Artist, Album, and Genre are in the corresponding list.

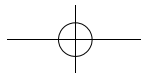
USB-Supported Devices

The USB connector uses the following:

- USB 2.0.
- USB flash sticks or pen drives.
- Portable USB Hard Drives. Special care needs to be taken related to the power source of these devices (USB bus powered vs. external power).
- Portable media adapters that support SD Flash, Compact Flash, or SD Micro.

Depending on the USB mass storage device, some devices might not be recognized.

Music can be played directly from the USB device and controlled through the MP3 control functions and menu.



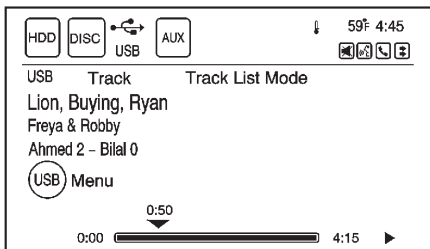


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Playing from a USB

A USB mass storage device can be connected to the USB port to copy compressed audio files onto the hard drive. Content can also be played directly from the USB device.

The USB port is in the center console.



The USB icon displays when the USB device is connected.

To play a USB device:

1. Connect the USB and it begins to play.
2. Press the HDD/DVD/AUX button, then press the USB screen button.

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

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

SEEK ▶▶:

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

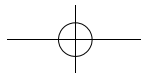
◀◀ SEEK:

1. Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, the previous track plays. If playing longer than five seconds, the current track restarts.

2. Press and hold to reverse quickly through playback.
3. Release the button to return to playing speed. Elapsed time displays.

TUNE/MENU:

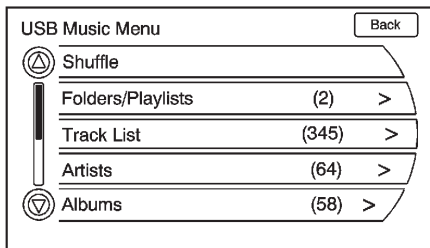
1. Turn to the right or left to display the track list.
2. Turn it again to cycle through the list.
3. Press the TUNE/MENU knob to select the track. The system plays the selected track and returns to the USB screen.





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USB Music Menu



Press the USB Menu screen button or press the TUNE/MENU knob while on the USB Audio screen to display the USB Music Menu.

Select any of the following buttons on the USB Music Menu:

Shuffle: Press to play the tracks randomly rather than in sequence. Select again to stop this function.

Folders/Playlists: Select to view the playlists stored on the USB. Select a folder/playlist to view a list of all songs in the folder/playlist. Select a song from the list. Once selected, Folder/Playlist Mode displays.

Track List: Press to view a list of songs and what track the songs are stored on.

Artists: Press to view the artists stored on the USB. Select an artist to view a list of all songs by the artist. Select a song from the list. Once selected, Artist Mode displays.

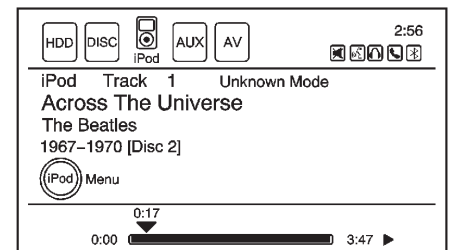
Albums: Press to view the albums stored on the USB. Select an album to view a list of all songs on the album. Select a song from the list. Once selected, Album Mode displays.

All Songs: Press to view a list of all songs stored on the USB. Select a song from the list. Once selected, All Songs Mode displays.

Genres: Press to view the genres stored on the USB. Select a genre to view a list of all songs of that genre. Select a song from the list. Once selected, Genre Mode displays.

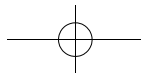
Eject USB: Press when the USB is to be removed. If the USB is disconnected without selecting Eject USB, the files could become corrupted.

Playing from an iPod®



This feature supports the following iPod models:

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (6th generation)





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- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

For proper operation, make sure the iPod has the latest firmware from Apple®. iPod firmware can be updated using the latest iTunes® application. For more information, visit www.apple.com/itunes.

Recording from the iPod to the HDD is not supported. Media must be recorded using a USB mass storage device.

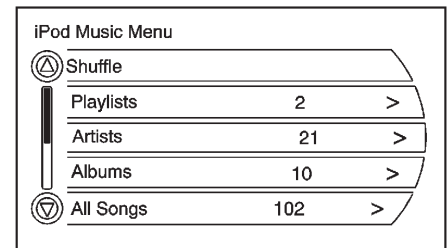
To connect and control an iPod, connect one end of the standard iPod USB cable to the iPod's dock connector. Connect the other end to the USB port in the center console.

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

The iPod battery recharges automatically while the vehicle is on. When the vehicle is off while an iPod is connected using the iPod USB cable, the iPod battery stops charging and the iPod automatically turns off.

If the iPod is an unsupported model, it can still be listened to in the vehicle by connecting to the auxiliary input jack using a standard 3.5 mm (1/8 in) stereo cable. See *Auxiliary Devices on page 37* for more information.

iPod Music Menu



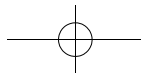
Press any of the following buttons on the iPod Music Menu to display the corresponding screen:

Shuffle:

1. Press to play the tracks randomly rather than in sequence.
2. Press the button again to stop this function.

Playlists:

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





Infotainment System 33

3. Select the desired song from the list. Once a song has been selected, Playlist Mode appears on the iPod main screen.

Artists:

1. Press to view the artists stored on the iPod.
2. Select an artist name to view a list of all songs by the artist.
3. Select the desired song from the list. Once a song has been selected, Artist Mode appears on the iPod main screen.

Albums:

1. Press to view the albums stored on the iPod.
2. Select an album name to view a list of all songs on the album.
3. Select the desired song from the list. Once a song has been selected, Album Mode appears on the iPod main screen.

All Songs:

1. Press to view a list of all songs stored on the iPod.
2. Select the desired song from the list. Once a song has been selected, All Songs Mode appears on the iPod main screen.

Genres:

1. Press to view the genres stored on the iPod.
2. Select a genre name to view a list of all songs of that genre.
3. Select the desired song from the list. Once a song has been selected, Genre Mode appears on the iPod main screen.

Composers:

1. Press to view the composers stored on the iPod.
2. Select a composer name to view a list of all songs by that composer.

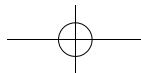
3. Select the desired song from the list. Once a song has been selected, Composer Mode appears on the iPod main screen.

Audio Books:

1. Press to view the audio books stored on the iPod.
2. Select the audio book from the list. Once an audio book has been selected, Audio Book Mode appears on the iPod main screen.

Podcasts appear with the general music. They do not have their own category. Like the other music files, they are searchable by title, artist, and album.

Eject iPod: Press to remove the iPod. If the iPod is disconnected without selecting this button, the files on the iPod could be corrupted.





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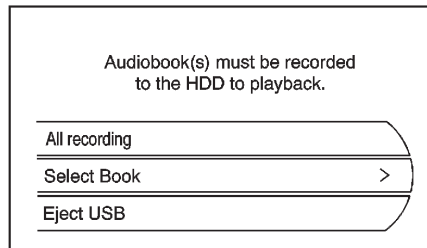
Audio Book

The system can play back audio book content downloaded from Audible.com by either burning it to a CD or recording it to a USB storage device.

Audible.com is a provider of spoken word audio entertainment, information, and educational programming. The use of the Audible.com playback feature requires that the Audible.com account be activated with the radio. For more information on creating an account or how to activate the radio with an existing account, visit www.audible.com/caraudio. The activation process requires the Vehicle Identification Number (VIN) of the vehicle.

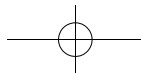
Once activated, files can be transferred by burning them to a CD or by using a USB storage device.

After inserting the USB or CD storage media, the following screen displays:



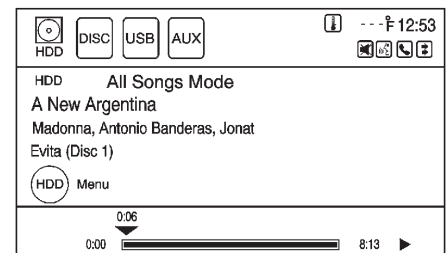
Press the All recording screen button to record all available audio books. A specific audio book to record can be selected by pressing the Select Book screen button.

After the files have been recorded, eject the CD/USB external media.

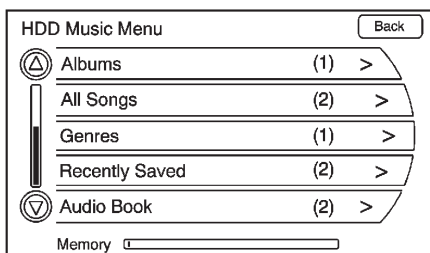


Playing Audio Book Content

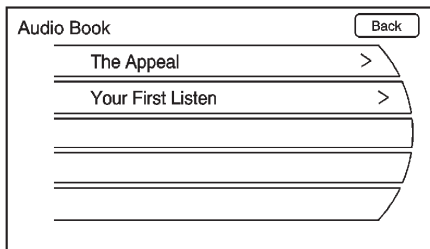
After activating and transferring www.audible.com files to the system, play the files:



1. Press the HDD/DVD/AUX button until the HDD source is selected.

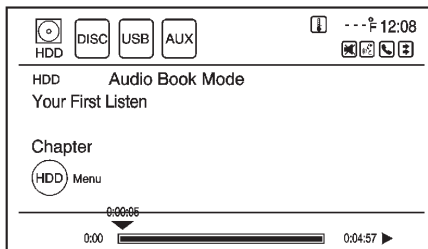


2. Press the HDD Menu. The HDD Music Menu displays. Scroll down to the Audio Book option and select.



3. The Audio Book screen displays a list of the available audio books for playback. Select a book.

4. Select a chapter to start playback.

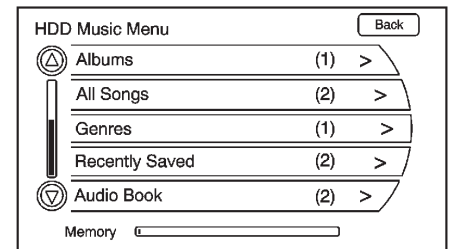


5. The audio book begins playback.

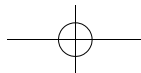
Selecting Another Audio Book

To play a different audio book from the one selected, return to the Audio Book menu options.

To change the audio book currently playing:

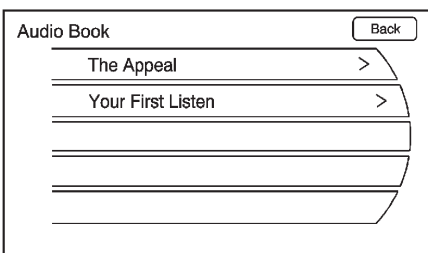


1. Press the TUNE/MENU knob or press the HDD Menu screen button. The HDD Music Menu displays. Scroll down to the Audio Book option.

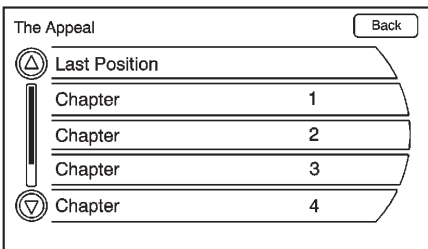




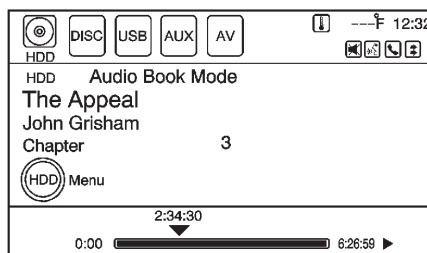
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2. The Audio Book screen displays a list of the available audio books for playback. Select a book.



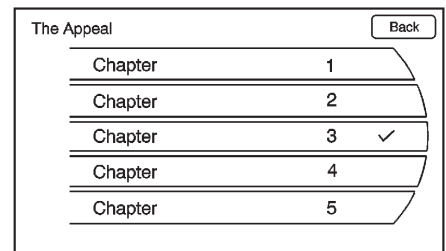
3. Select a chapter to start playback.



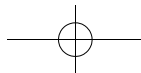
4. The audio book begins playback.

Changing Chapters within an Audio Book

To change chapters within an audio book:



While the audio book is playing, turn the TUNE/MENU knob. The chapter list of the current book displays. Select a chapter from the list. To return to the current chapter being played, select the chapter with the checkmark at the right.





Auxiliary Devices

This vehicle may have an auxiliary input jack in the center console. Possible auxiliary audio sources include:

- Laptop computer
- MP3 player
- Tape player

This jack is not an audio output. Do not plug headphones into the auxiliary input jack. Drivers are encouraged to set up any auxiliary device while the vehicle is in P (Park).

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

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

- Press the HDD/DVD/AUX button repeatedly to cycle through all of the available audio source screens, until the AUX source screen is selected.
- Press the HDD/DVD/AUX button once, then press the AUX source screen button.

Navigation

Using the Navigation System

Use the buttons on the navigation system and the available screen buttons on the navigation screen to operate the system. See *Overview on page 4*.

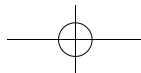
Various functions are disabled when the vehicle is moving.

Navigation Control Buttons

The buttons on the faceplate are used to start primary functions while using the navigation system. See *Overview on page 4*. These buttons are:

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

The ◀ **BACK** button does not work in primary screens, such as the map, audio, leaf, or climate screens.





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CONFIG (Configure): Press to adjust features for radio, navigation, display, phone, vehicle, and time. See *Configure Menu on page 60* for more information.

☎ (Phone): See *Bluetooth on page 78* for more information.

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

TP (Time Program): Press to display the Time settings. This button can be pressed to quickly go to the Time menu instead of pathing through the Config menu and the TUNE/MENU knob. Adjust the time as needed. See *Configure Menu on page 60*.

● REC (Record): Press to record from a CD player or a mass media storage device connected by a USB connector.

DEL (Delete): Press to delete XM categories and information from the hard drive.

VOL/⏻ (Volume/Power): Press to turn the system on and off. Turn this knob to adjust the volume for the audio, OnStar, voice guidance, and voice recognition voice prompts.

DEST (Destination): Press to plan a route through the Select Destination menu. If route guidance is active, press to access the Route menu. See *Destination on page 47* for more information.

NAV (Navigation): Press to view the vehicle's current position on the map screen. Continue pressing to cycle through the full map and split screen. Full Map displays the screen in full view; Split Screen displays both map and audio information.

INFO (Information): Press for weather information, if equipped, and climate control displays, if equipped.

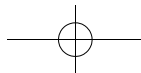
RPT (Navigation Repeat): Press to repeat the last voice guidance prompt.

Touch Screen Buttons

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

Alpha-Numeric Keyboard

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





All characters are touch screen buttons. Touch to select.

À-ÿ (Accent Alphabet): To select letters with accent symbols.

A-Z (Alphabet): To select letters from the alphabet.

Symbols: To select symbols.

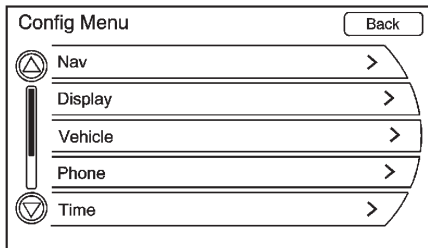
␣ (Space): To enter a space between characters or the words of a name.

⬅ (Backspace): To delete an incorrect character that has been selected.

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

If a name does not display after entry, try entering it differently. The map database may not contain all information.

Navigation Settings

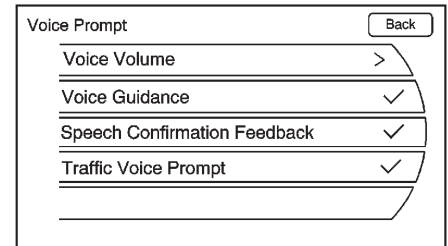


The Config Menu screen accesses the navigation system settings.

To access:

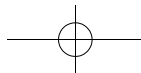
1. Press the CONFIG button to display the Config Menu.
2. Turn the TUNE/MENU knob to scroll through the available setup features. Press the TUNE/MENU knob or press the Nav screen button to display other options within that feature.
3. Select the navigation setting to change.

Voice Prompt



This menu allows changes to the voice features.


If the volume is changed to the lowest level, it will default to a minimum value so the voice recognition beep can still be heard.

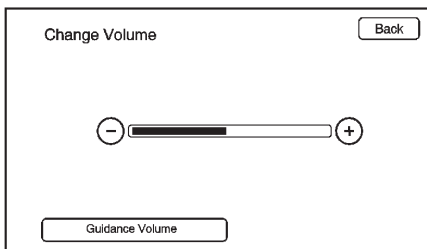




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The touch screen buttons available are:

Voice Volume: Adjust the voice volume for guidance and voice recognition prompts by pressing the - or + screen buttons or by turning the VOL/  knob on the infotainment system. Press Guidance Volume to preview the selected sound level.



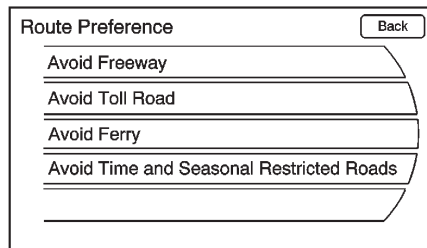
Voice Guidance: Press to enable or disable voice guidance. A checkmark indicates on.

Speech Confirmation Feedback: Press to turn the speech confirmation feedback on or off. A checkmark indicates on.

Traffic Voice Prompt: Press to enable or disable traffic voice prompts. If the voice prompts are on and an Alert for Approaching Traffic displays, the related voice prompt is provided. A checkmark indicates on.

Route Preference

Press the Route Preference screen button to change route options when a route is calculated.



Avoid Freeway: Major roads are avoided.

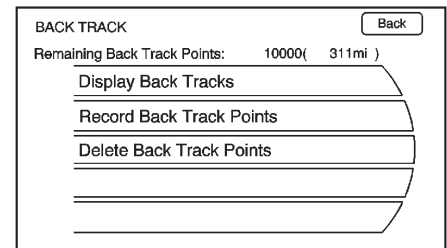
Avoid Toll Road: Toll roads are avoided.

Avoid Ferry: Ferries are avoided.

Avoid Time and Seasonal Restricted Roads: Time restricted and seasonal roads are avoided.

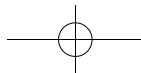
Back Track

Press the BACK TRACK screen button to turn on, off, or delete the recording and displaying of the traveled path.



Display Back Tracks: When active, the traveled path displays.

Record Back Track Points: When active, the traveled path is recorded.

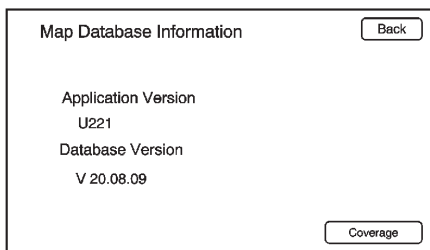




Delete Back Track Points: The recorded path is deleted.

Map Database Information

Displays map database version information.



Press the Coverage button to view the major metropolitan coverage area.

Low Fuel Warning

When selected, a pop-up screen displays gas station icons on the map or lists the five nearest gas stations.

Back Track Mode

When selected, the back track feature is on. See “Back Track” earlier in this section.

Off-Road Mode

When selected, the off-road feature is on. When the off-road mode is turned on, the navigation system will show the path being traveled by the vehicle when not on a marked road.

Weather Warning (If Equipped)

When selected, a pop-up screen displays weather warnings.

Show 3-D Landmark

When selected, 3-D landmarks display on the map screen.

Maps

This section includes basic information about the map database.

Map Coverage

The navigation maps are stored on the hard drive.


For more information on map coverage, see *Database Coverage Explanations on page 70*.

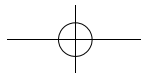
Installing the DVD Map Disc

Your dealer installs the map database information on the HDD.

An updated map disc can be used to update the map database information. See *Ordering Map DVDs on page 70*.


Before updating the map database on the HDD, read the following steps:

1. Turn the vehicle on.
2. Press VOL/  to turn the system on.
3. Insert the map update disc into the slot, label side up.
4. Press the Update screen button when the Update Confirmation screen displays.





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5. Enter the Authentication Code, then press Enter.
6. If the correct code is entered, the system starts updating and the status bar displays.
7. Press  after the map database update is completed.

If the application update file is included in the disc, the application update is also done.

Handling the DVD Map Disc

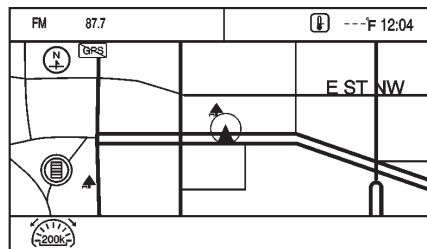
- Handle the disc very carefully to avoid contamination or flaws. Signals might not read out properly.
- Use a soft cloth if the disc gets soiled and gently wipe it from the center of the disc to the outside. Do not use cleaners or solvents.
- Do not use the disc to rest on while writing or drawing with any writing utensil or attach a seal to any of the sides of the disc.

- Do not keep the disc in direct sunlight, high temperatures, or humidity.
- Place the disc back into the original case after use.

Map Adjustments

The scale of view on the map can be adjusted.

Map Scales



There are two methods to change the map scale:

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

- Press the Map Scale button on the left bottom corner of the map screen to change the zoom level.

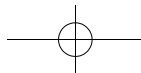
The map scale bar times out if the zoom level is not changed within a few seconds.

The scale ranges from 50 m (150 ft) to 400 km (250 mi). To change from metric to English, see "Driver Information Center (DIC)" in the Index of the vehicle owner manual for more information.

Scroll Features



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





- Press the screen in any direction outside the scroll symbol to scroll the map in that direction.
- Scroll speed increases when touching closer to the edge of the screen.
- Press NAV on the faceplate to exit map scrolling and return to the current vehicle location on the map.
- While scrolling the map, this symbol can display the distance to the crosshair area.



For example, this shows that the map has been scrolled 160 m (0.1 mi) away from the current vehicle position.

Navigation Symbols

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



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

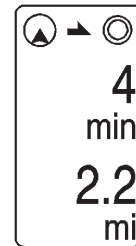


The destination symbol marks the final destination after a route has been planned.

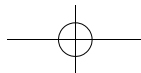


The waypoint symbol marks a set waypoint and is numbered depending on how many have been set.

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



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





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This symbol indicates that the map view is North-up: North-up displays North at the top of the map screen regardless of the direction the vehicle is traveling. Select this screen symbol to change the view to Heading-up or 3-D.



This symbol indicates that the map view is Heading-up.

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

Press this screen symbol to change to 3-D mode.

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



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



The upper symbol indicates the information can be displayed on the right side of the map. The lower

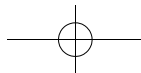
symbol indicates the information can be hidden to show a full screen map view.



This symbol indicates that a menu is available and displays on the left side of the screen. Press this symbol or the TUNE/MENU knob to access the screen menu.

Driving on a Route

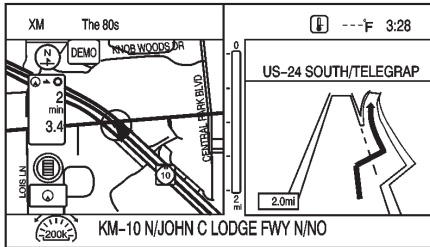
While driving on a route, the next maneuver the map screen displays is either an urgent maneuver or a non-urgent maneuver.



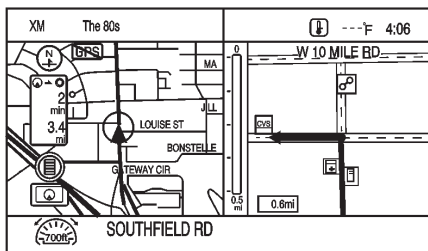


Urgent Maneuver

An urgent maneuver is displayed when the next maneuver is less than or equal to 0.8 km (0.5 mi) away on a residential road or less than or equal to 1.5 km (1 mi) away on a highway.



Driving on a Highway



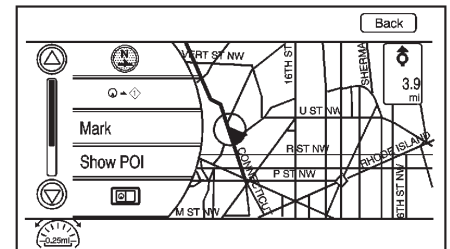
Driving on a Residential Road

Non-Urgent Maneuver

A non-urgent maneuver is when the distance to the next maneuver is greater than 0.8 km (0.5 mi) when driving on a residential road or greater than 1.5 km (1 mi) when driving on a highway. This is indicated by a small arrow in the top right corner of the screen.

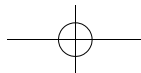
Map Screen Options

While on route, several options are available while viewing the map screen. To access this menu:



Press the TUNE/MENU knob to display the menu on the left side.

See *Navigation Symbols on page 43* to learn how to change the map view to North-up, Heading-up, or 3-D view.

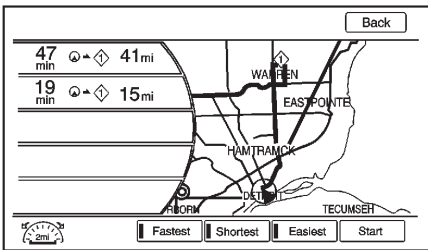




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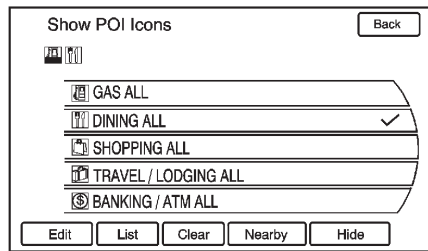
When this symbol is selected, the distance and time remaining from the current vehicle position to the first waypoint displays.



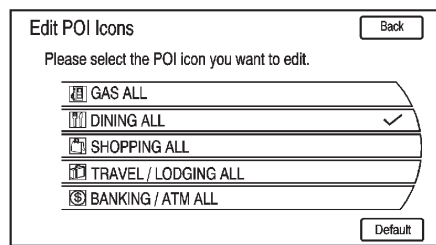
This menu displays if the symbol and waypoints are entered. Select the main map view to display the distance and time remaining from the current vehicle position to any of the set waypoints or final destination.

Save: Press to save a specific location to the address book.

Show POI: Press to view POI information nearby and on route.

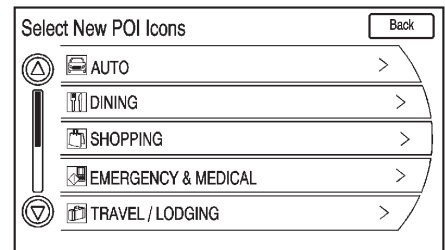


There are several Preset options on the bottom of the screen.



Edit: Press to display a list of POI icons.

1. Select the POI icon to edit. The POI icon is replaced by another icon that is selected from the next menu.



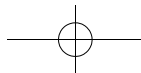
2. Select the new POI icon.

3. The new icon is on the Show POI Icons menu.

List: Displays all available POIs.

Clear: Clears all selected POIs.

Nearby: Displays up to 200 of the selected POIs within 32 km (20 mi) of the current vehicle position. The POIs can be sorted by distance, icon, or type.





Hide: Press to hide the POIs from view on the map. To display, go to the Map menu, press the Show POI Icons menu, and press the Show option. See “Map Screen Options” earlier for more information on showing the POIs.



Press this button to change the full map screen to the half map screen and half exit information.

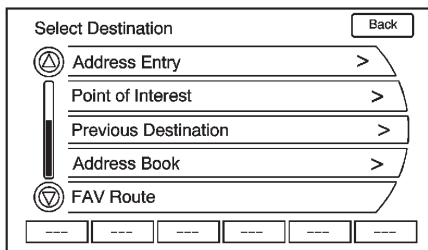
Traffic: Press to provide nearby traffic information and traffic events on the planned route.

Whole Route: Press to choose options for the entire route.

Cancel Guidance: Press to cancel guidance of the current route.

Destination

While destination is not set, press the DEST button to access the Select Destination screen. Several options can be selected to plan a route by entering destinations.



Address Entry

Set a route by entering the state/province name, city name, street name, and house number.

State/Province: Enter a state/province name.

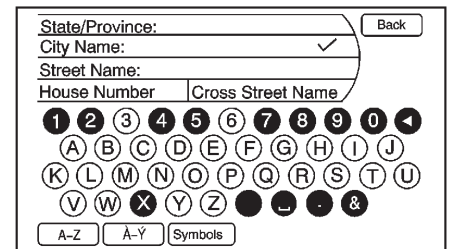
City: Enter a city name.

Street Name: Enter a street name.

House #: Enter a valid address number.

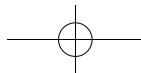
Cross Street Name: Enter a street name that intersects with the selected street.

A checkmark displays on the right side when the field has been selected and the destination can be entered. After an entry step is completed, the checkmark moves to the next item.





Entering the city name first:

1. Press the DEST button.
2. If necessary, enter the state/province name. The last state/province is automatically recalled.
3. Enter the city name. The city field is automatically selected.





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4. Enter the street name. This field is automatically selected. Do not enter directional information or street type. Use the space  screen button between street and city names. Use the backspace  screen button to delete an incorrectly entered character.

A list displays if four or fewer names are available. If there are more than four, there is a match counter with a number of available streets. Press the List screen button to view the list and select the street.

5. Enter the house number. This field is automatically selected.
6. Press the OK screen button. The address information screen displays the address entered.
7. Press Go located on the confirmation screen if the information is correct. The route is calculated.

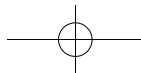
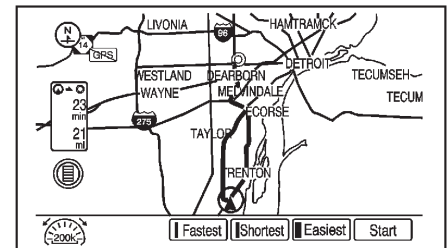
8. Select the route preference for Fastest, Shortest, or Easiest. The chosen route preference highlights. See "Entering an Address and Point of Interest, and Storing Preset Destinations" under *Overview on page 4* for more information.
9. Press the Start Guidance screen button and the route is calculated.

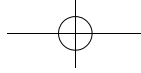
Entering the street name first:

1. Press the DEST button.
2. If necessary, enter the state/province name. The last state/province name is automatically recalled.
3. Select the street name field. Enter the street name. Do not enter directional information or street type. Use the space  screen button between street and city names. Use the backspace  screen button to delete an incorrect character.

A list displays if four or fewer names are available. If there are more than four, there is a match counter with a number of available streets. Press the List screen button to view the list and select the street.

4. Select the city from the list or enter the city name.
5. Enter the house number. This field is automatically selected.
6. Press the OK screen button.
7. Press Go located on the confirmation screen if the information is correct. The route is calculated.





8. Select the route preference for Fastest, Shortest, or Easiest. The chosen route preference highlights. See "Entering an Address and Point of Interest, and Storing Preset Destinations" under *Overview on page 4* for more information.
9. Press the Start Guidance screen button and the route is calculated.

Point of Interest

The POI destination entry allows selection of a destination by providing the POI name or city name, or selecting from the POI list.

Entering by POI name/phone number:

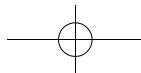
1. Press the DEST button.
2. Select Point of Interest.

3. Enter the name or select by phone number.
A list displays if four or fewer names are available. If there are more than four, there is a match counter with a number of available POI names. Press the List screen button to view the list.
4. Select the POI name from the list.
5. Press Go located on the confirmation screen if the information is correct.

6. Select the route preference for Fastest, Shortest, or Easiest.
7. Press the Start Guidance screen button and start the route.

Entering a POI by city name:

1. Press the DEST button.
2. Select Point of Interest.
3. Press the Browse screen button.
4. Select the Change Location screen button.
5. Enter the new state and city.
6. Select a category, then a sub-category.
The available POI names will display.
7. Select the POI name.
8. If the POI is correct, press the Go screen button. The route is calculated.



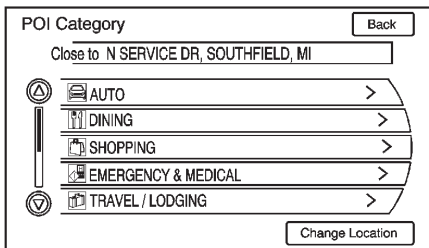


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9. Select the route preference for Fastest, Shortest, or Easiest.
10. Press the Start Guidance screen button and start the route.

Selecting from a POI Category:

1. Press the DEST button.
2. Select Point of Interest.
3. Press the Browse screen button.



4. Select a category, then a sub-category.
The available POI names display.

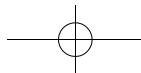
5. Select the POI name.
6. If the POI is correct, press the Go screen button. The route is calculated.
7. Select the route preference for Fastest, Shortest, or Easiest.
8. Press the Start Guidance screen button and start the route.

Previous Destination

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

1. Press the DEST button.
2. Press Previous Destination.
A list displays the previous destinations.

3. Select the destination.
4. Press Go located on the confirmation screen if the information is correct. The route is calculated.
5. Select the route preference for Fastest, Shortest, or Easiest. See "Entering an Address and Point of Interest, and Storing Preset Destinations" under *Overview on page 4* for more information.
6. Press the Start Guidance screen button and start the route.

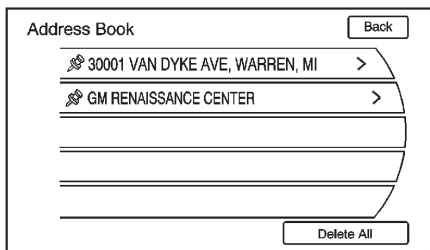




Address Book

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

1. Press the DEST button.



2. Press Address Book. A list displays the address book entries.
3. Select the destination from the list.
4. Press Go on the confirmation screen if the information is correct. The route calculates.
5. Select the route preference for Fastest, Shortest, or Easiest. See "Entering an Address and

Point of Interest, and Storing Preset Destinations" under *Overview on page 4* for more information.

6. Press the Start Guidance screen button and start the route.

Pick From Map

Select a destination by scrolling on the map.

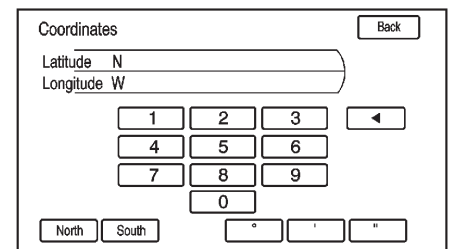
1. Press the DEST button.
2. Press the Pick From Map screen button. A map screen with a scroll symbol displays.
3. Press the Zoom in/out arrow key on the screen and press the map to locate the destination to select. Press and hold a finger on the map to activate fast scrolling.
4. Press Go on the confirmation screen if the information is correct. The route calculates.
5. Select the route preference for Fastest, Shortest, or Easiest. See "Entering an Address and

Point of Interest, and Storing Preset Destinations" under *Overview on page 4* for more information.

6. Press the Start Guidance screen button and start the route.

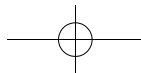
Lat/Long Coordinates

Choose a destination based on latitudinal and longitudinal coordinates.



Enter the location as coordinates, latitude and longitude.

1. Press the DEST button.
2. Press the Lat/Long screen button.





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3. Enter the coordinates for the destination in degrees, minutes, and seconds.
4. Press Go on the confirmation screen if the information is correct. The route calculates.
5. Select the route preference for Fastest, Shortest, or Easiest. See "Entering an Address and Point of Interest, and Storing Preset Destinations" under *Overview on page 4* for more information.
6. Press the Start Guidance screen button and start the route.

Preset Destinations

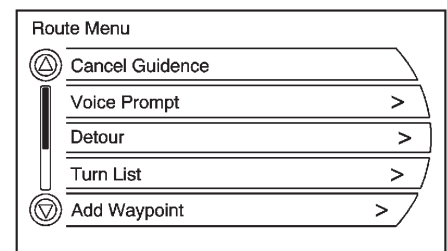
Set a destination by selecting from one of six previously stored destinations. If a destination is not set for one of the screen buttons, the button dims and is not available to use. See "Entering an Address and Point of Interest, and Storing

Preset Destinations" under *Overview on page 4* for more information.

1. Press the DEST button.
2. Select one of the available preset destination screen buttons. The screen buttons were stored with the name selected. The route is calculated.
3. Select the route preference for Fastest, Shortest, or Easiest. See "Entering an Address and Point of Interest, and Storing Preset Destinations" under *Overview on page 4* for more information.
4. Press the Start Guidance screen button and start the route.

Getting Started on the Route

Several functions can be performed after a destination has been entered. Press the DEST button to access the Route Menu screen.



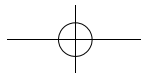
Cancel Guidance

From the Route Menu screen, press Cancel Guidance to cancel the current route. Press Yes on the confirmation screen to cancel or No to continue the guidance.

Voice Prompt

Select Voice Volume to change the volume of voice prompts and voice recognition.

Select the Voice Guidance, Speech Confirmation Feedback, or Traffic Voice Prompt screen buttons to turn voice prompts on or off for each category. See "Navigation Settings" under *Using the Navigation System on page 37* for more information.

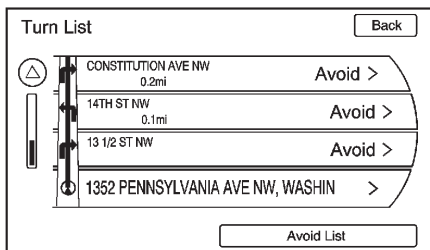




Detour

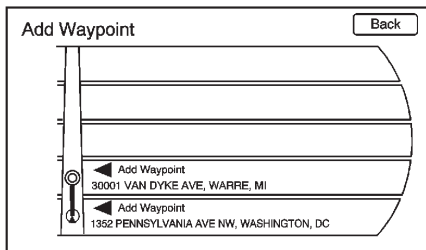
While on the surface streets, select a detour around the current route. Select the Route screen, then select to detour 1, 8, or 16 km (1, 3, or 5 mi). While on the highway, select to detour 8, 24, or 40 km (5, 15, or 25 mi). Select Whole Route to detour the entire route. This is only available while driving on a route.

Turn List



To view the list of maneuvers for the entire route, select Turn List from the Route Menu screen.

Waypoints



Up to three waypoints can be added to the current route, between the start point and final destination. The waypoints can be edited or deleted.

To add a waypoint:

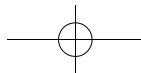
1. Press the DEST button.
2. Press the Add Waypoint screen button. This button is only available if the route has been calculated.
3. Enter the waypoint by any of the add destination methods. See *Destination* on page 47 for more information. The system

calculates and highlights the route and the route can be started.

4. To add more waypoints, press the DEST button. Press the Add Waypoint screen button to add the waypoint in the order desired on the route. The system calculates and highlights the route and the route can be started.

To delete a waypoint:

1. Press the DEST button.
2. Press the Delete Waypoint screen button.
3. Select the waypoint to be deleted by touching the screen.
4. A confirmation message displays. Press the Yes screen button to delete the waypoint; press No to cancel this operation. The system calculates and highlights the route and the route can be started.

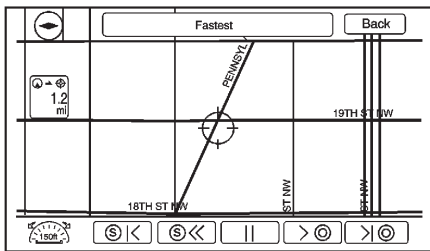




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Route Preview

Preview the entire route in either direction.



⏪ ⏩ (Reverse or Forward Skip):

- Press the reverse skip arrow to go to the start point.
- Press the forward skip arrow to go to the final destination.

⏪ ⏩ (Fast Reverse or Forward Scroll):

- Press the fast reverse scroll arrow to go to the start point.
- Press the fast forward scroll arrow to go to the final destination. These buttons

display once the reverse or forward scroll button has been selected.

⏪ ⏩ (Reverse or Forward Scroll):

- Press the reverse scroll arrow to go to the start point.
- Press the forward scroll arrow to go to the final destination.

|| (Pause): Pauses the route preview, while in reverse, fast reverse, forward, or fast forward scroll.

Suspend/Resume Guidance

Press the Suspend/Resume Guidance screen button to suspend or resume guidance on the current route.

Previous Destinations — Deleting

To delete all previous destinations from the system:

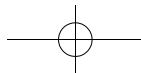
1. Press the DEST button.
2. Press the Previous Destination screen button.

3. Press the Clear All screen button.
4. Press OK to Clear All Previous Destinations, or press the Cancel screen button to cancel this operation.

Address Book

Options for saving to the address book:

- **Scrolling on Map or Pick from Map in the Dest Menu:** Scroll to the location. Press the TUNE/MENU knob on the faceplate. A menu displays on the left side of the screen. Press the Save screen button and the location is saved.
- **Address Entry:** Enter a destination through the Address Entry menu. Press the Go screen button. The Save screen button displays at the bottom of the screen. Press the Save screen button to save this location to the address book.

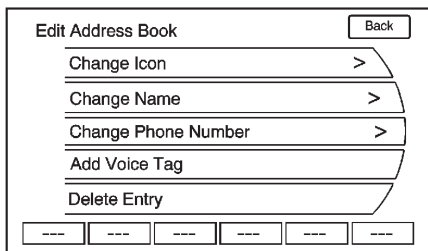




- **POI Menu:** Select a POI. Press Save located at the bottom of the information page display.
- **Previous Destination:** From the Previous Destination Menu, select the destination to save. Press Save located at the bottom of the information page.

To change the map icon of an address book entry:

1. Press the DEST button.
2. Press the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be changed.
4. Press Edit, located on the bottom of the screen.



5. Press Change Icon.
6. Select an icon from the list.
7. Press the OK screen button to save the changes.

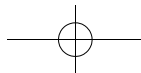
To edit the name of an address book:

1. Press the DEST button.
2. Press the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be changed.
4. Press Edit, located on the bottom of the screen.
5. Press the Change Name option.

6. Use the alpha keyboard to enter the name.
7. Press the OK screen button to save the changes.

To add or change the phone number of an address book entry:

1. Press the DEST button.
2. Press the Address Book screen button. A list of address book entries displays.
3. Select the address book entry to be changed.
4. Press Edit, located on the bottom of the screen.
5. Press the Change Phone Number option.
6. Use the numeric keyboard to enter or change the phone number.
7. Press the OK screen button to save the changes.





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To add a voice tag to an address book entry:

1. Press the DEST button.
2. Press the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be changed.
4. Press Edit, located on the bottom of the screen.
5. Press the Add Voice Tag screen button.
6. Speak the name after the beep and within four seconds. The name is repeated back.

To delete an address book entry:

1. Press the DEST button.
2. Press the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be deleted.

4. Press the Delete Entry screen button. A confirmation message displays.

To add a preset destination from the address book:

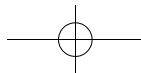
1. Press the DEST button.
2. Press the Address Book screen button.
3. Select the address book entry to add as a preset. The Address Book Information screen displays.
4. Press Edit, located on the bottom of the screen.
5. Press and hold one of the six screen buttons at the bottom of the screen until the text within the button changes.
6. The name appears in that preset destination screen button and can be selected from the Select Destination screen.

Favorite Route

1. After the route has been planned, press the NAV button until the full map screen is shown.
2. Press the TUNE/MENU knob. A menu displays.
3. Scroll down and select Whole Route. The whole route map screen displays.
4. Press the Add Route screen button. The route is stored as a favorite.

To change the route name, add a voice tag, or delete a favorite route:

1. Press the DEST button.
2. Press the Fav Route screen button.
3. Select the route.
4. Press Edit, located on the bottom of the screen.
5. Select from: Change Route Name, Add Voice Tag, or Delete Favorite Route.





To change the route name:

1. Select Change Route Name.
2. Using the keypad, enter the name.
3. Select the Favorite Route entry to be edited.
4. Press the OK screen button. The new name will be in the Favorite Route Menu.

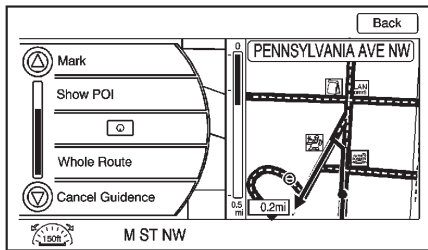
To add a voice tag:

1. Press the Add Voice Tag screen button.
2. Speak the name after the beep within four seconds. The name is repeated back.

To delete a favorite route:

1. Press Delete Favorite Route. The confirmation screen displays.
2. Press the Yes screen button to delete the route or press No to cancel from deleting the route.

Menu Screen Button



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

1. Press the NAV button to view the Map screen.
2. Press the Menu screen button or the TUNE/MENU knob on the faceplate.

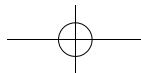
Map Heading



Press to change the view to North-up, Heading-up, or 3-D mode. See *Navigation Symbols on page 43* for more information.

Traffic: Press to view the Traffic Information screen. See *Configure Menu on page 60* for more information.

Save: Press to save a location to the address book.





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Show POI: Press to display POI icons to be shown on the map. Select from a list of six pre-programmed POI sub-categories. Scroll through a list of categories, or select nearby and on route options.



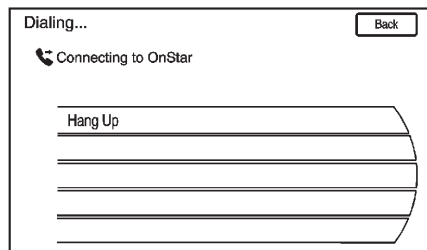
Press this screen button to minimize the guidance window and expand the map window.

Whole Route: Press to view the entire route from starting point to destination on the map.

Cancel Guidance: Press to stop the current route.

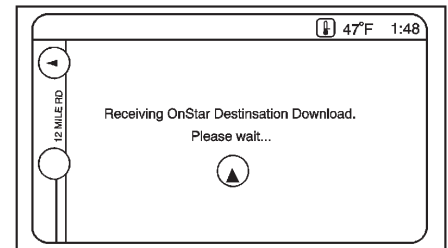
OnStar® Destination Download

The OnStar Destination Download (if equipped) lets an OnStar subscriber ask an OnStar Advisor to download a destination to the navigation system. OnStar will send address information and location coordinates of the destination into the navigation system.



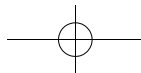
OnStar Destination Download Screen

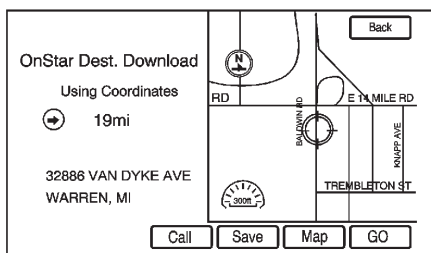
Using Destination Download



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

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





In this case, "Using Coordinates" displays on the downloaded screen.

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

Route Guidance Not Active

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

- Press the Go screen button; the navigation system starts route calculation to the destination(s) received.

- Press the Map screen button; the navigation system displays the Destination Map screen.
- Press the Call screen button; the navigation system initiates a call with Bluetooth Phone (if available) or OnStar Hands-Free Calling.
- Press the Save screen button; the navigation system copies the downloaded destination to the address book and displays the new address book entry. The destination saves this download even if it is only partial information such as a phone number.
- Press the Back screen button; the navigation system cancels OnStar Destination Download and returns to the previous screen. The downloaded address is not added to the previous destinations.

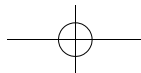
Route Guidance Active

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

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

Previous Destinations

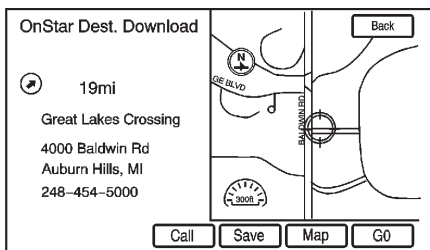
Previously downloaded OnStar destinations are saved under Previous Destinations in the navigation system where they can be accessed or saved to the address book.





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Map Destination Screen Functions



Destination Map Screen

If the map screen is used to show destination, it has map screen capabilities such as Go, Save, Zoom, Scroll, etc. The address is shown at the top of the screen.

Configure Menu

Adjust features and preferences through the Configure Menu. The last selected menu screen displays. Adjust features for Radio, Nav (navigation), Display, Vehicle, Phone, or Time.

Radio

Press the CONFIG button to enter the Menu options. Turn the TUNE/MENU knob to scroll through the available menu options. Press the TUNE/MENU knob or press Radio to display the radio settings. Press this feature to make changes for radio information displayed, preset pages, Auto Volume, Audio Cue Options, and XM Categories Restore. See *Satellite Radio on page 16* for more information.

Nav (Navigation)

Press the CONFIG button to enter the Menu options. Turn the TUNE/MENU knob to scroll through the available menu options. Press the TUNE/MENU knob or press the Nav screen button.

XM NavTraffic® (If Equipped)

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

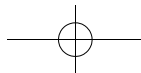
A service fee is required to receive the XM NavTraffic service. Real-time traffic information is provided to fully integrate the navigation system to display current traffic conditions for the chosen route.

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

If activated, traffic information displays:

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

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





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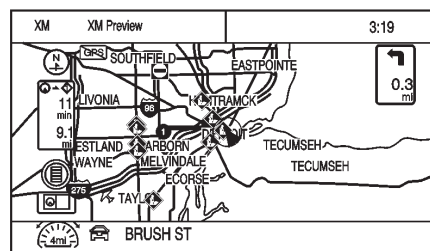
XM NavTraffic currently broadcasts the traffic information for many markets nationally. The service may be available in more cities in the future. Visit www.xmnavtraffic.com for more details on local coverage.

To turn XM NavTraffic on or off:

1. Press the CONFIG button to enter the menu options. Turn the TUNE/MENU knob to scroll through the available menu options. Press the TUNE/MENU knob or press the Nav screen button to display the other navigation settings.
2. Press the Traffic Information button.
3. Press the Traffic screen button. This button highlights and a checkmark displays when active. Selecting Alert for Approaching Traffic Events displays a screen to notify of possible traffic events ahead.

Traffic Icon

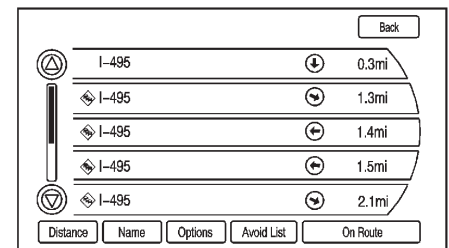
When traffic conditions are found in the local area, the Traffic Icon appears in the lower left side of the map.



The Traffic Icon has three different condition displays:

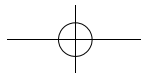
- No icon displays if there is no XM NavTraffic subscription or there are no traffic events.
- A single car icon displays if there are traffic events in the area, but none are on route.
- A multiple car icon displays if there are traffic events on the route.

It could take some time to sort the received information. The list of traffic conditions displays in the order of distance from the vehicle, for up to approximately 125 km (75 mi). With a route planned, traffic events display on the route. Not all traffic conditions may display.



To view the traffic condition location and information on the map:

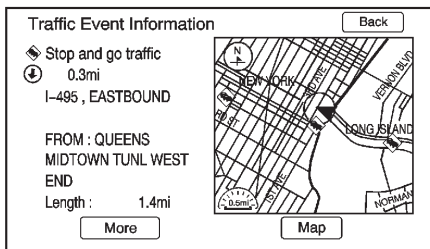
1. Press NAV to show the map, then press the TUNE/MENU knob for the map menu.
2. Scroll down and press the Traffic screen button. A list of traffic conditions with distance from the vehicle's current position displays.



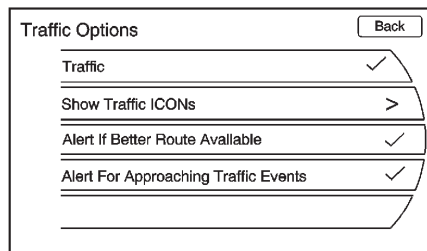


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An arrow may appear before the distance. The arrow indicates the distance is a straight line distance and the direction of the event from the vehicle's current position. If no arrow appears, the distance indicates how far the event is ahead on current route. No more than three pages of traffic events may be viewed while the vehicle is moving.

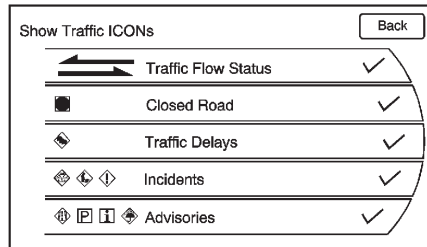


3. Select a traffic condition to get more detailed information.



Select Options. A Traffic Options menu displays. Select the traffic-related option.

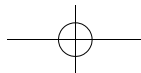
Traffic: Press to enable or disable the traffic function.



Show Traffic ICONs: Press to display traffic icons on the map screen. Also, select what traffic information displays.

Traffic Flow Status — Enables or disables the green, yellow, red, and black arrows that display beside the roads and shows the traffic flow or extent of a traffic event.

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



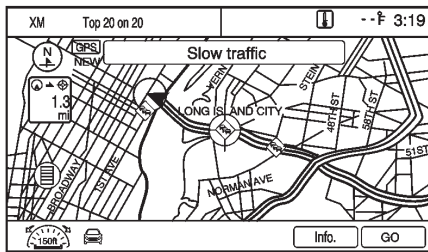


Traffic flow data arrows display on the map when scaled up to 12 km (8 mi). For Closed Road, Traffic Delays, Incidents, and Advisories, select the traffic event icon that appears on the map screens.

Alert For Approaching Traffic Events: When On, if an approaching traffic event is within the alert range, one of two traffic alerts displays:

- With no route planned, while on expressways, the Approaching Traffic Event without Avoid screen displays.
- With a route planned, the Traffic Event on Route screen displays. If the Alert For Approaching Traffic Events is Off, the alert does not display.

On Route



Press the On Route screen button to display all events ahead on the current active route. No traffic events reported on route displays if there are none to report.

Name

Press the Name screen button to display traffic events in alphabetical order.

Distance

Press the Distance screen button to display traffic events in order of distance with the closest event shown first.


Scrolling to Traffic Events on the Map


While scrolling the map, the traffic event icons can appear indicating a traffic event within 125 km (75 mi) from current position. To receive information about the traffic event, place the crosshairs over the traffic condition icon. Traffic events beyond 125 km (75 mi) from current position will not be displayed.

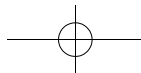
Press the Info. button to display the type of traffic, the street name, and a description of the traffic event.

Traffic Event Display Categories

The following are traffic event categories and symbols that can appear on the display:

 **(Road Closed):** Road and/or ramps closed.

 **(Stopped Traffic):** Traffic stopped, stop-and-go traffic, delayed and congested traffic.





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⚠️ **(Alert):** Object on the roadway, disabled vehicle, or dangerous road conditions.

🚗 **(Accident):** Roadway obstructed due to accident.

🚧 **(Road Work):** Delayed traffic due to construction.

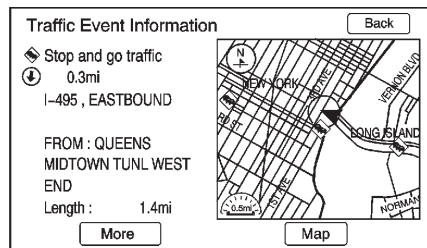
🚧 / ⚠️ **(Road Condition):** Delayed or stopped traffic, lane blocked or closed due to a road condition.

☁️ **(Weather):** Heavy rain, snow, or fog weather condition.

P **(Parking):** Available parking area.

i **(Information):** Special event, general information, or warning.

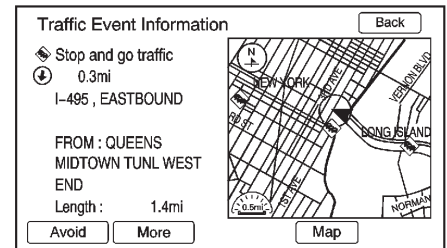
Traffic Event Information



Use to display additional details of a traffic event. This screen can display when:

- Scrolling to an event on the map and then pressing Info.
- Selecting a traffic event listed on the Traffic Event List screen.
- Approaching a traffic event.

Back, Map, More, and Avoid



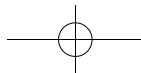
These buttons have common functions across all Detailed Traffic Event screens.

Back: Return to the previous screen.

Map: Display related traffic events on the map if available.

More: View more information for the traffic event.

Avoid: Avoid the location of an event on the route and calculate a new route. The full map screen shows the new route. The Avoid button is only available if the event is on the route ahead.





Traffic Voice Prompts

The traffic voice prompt can be turned on and off by selecting Traffic Voice Prompt in Voice Prompt on the CONFIG Nav screen.

If the voice prompts are on and an Alert for Approaching Traffic displays, the related voice prompt is provided.

The RPT (Repeat) button does not repeat traffic prompts, only navigation traffic maneuvers. The current prompt playback cancels if RPT is pressed during a traffic voice prompt.

Traffic prompts are disabled during OnStar or Voice Recognition activity.

Alternate Route

When Alternate Route Available displays, a possible quicker route is available and can be selected to detour around the traffic condition. Press the Yes screen button and the new route is calculated. This option is only available when the multiple car icon appears.

XM NavTraffic information might not be provided for the alternate route, depending on what type of road the vehicle is traveling on.

Traffic Condition Symbols

The following traffic condition symbols may display:



Stopped Traffic



Traffic Jam



Accident



Road Closed



Lane Narrows



Road Construction



Alert



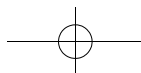
Road Condition



Road Visibility



Other





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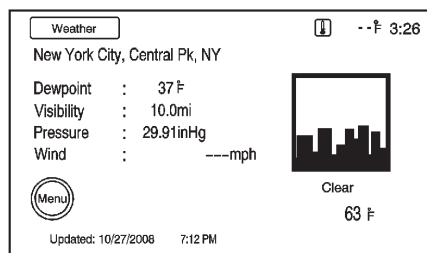
XM™ Weather (Where Available)

XM™ Weather is a subscription service provided through XM Satellite Radio. A service fee is required to receive the weather information.

Press INFO, then press it again until the Weather screen button is selected or press the Weather screen button.

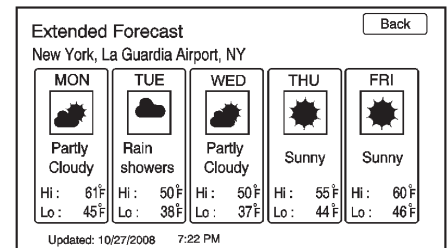
Current Condition

Press INFO until the Weather screen button is selected to show the current weather condition in the city of the vehicle's current position.

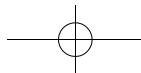


Allow up to 15 minutes for the current weather in the area to display.

Extended Forecast



Enter the weather menu by pressing the TUNE/MENU knob or press the Menu button on the screen. From this screen, press Extended Forecast.



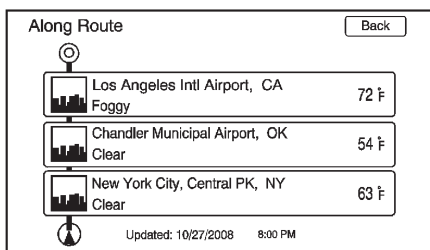


Weather Along the Route

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

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

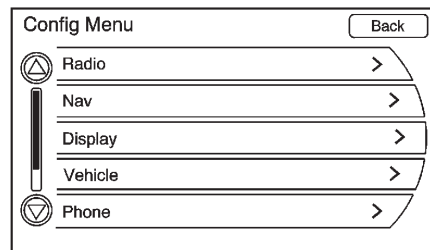
From the XM Weather Menu Screen, press Along the Route:



Weather Alerts

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

Display



Press the CONFIG button to enter the menu options. Turn the TUNE/MENU knob to scroll through the available setup features. Press the TUNE/MENU knob or press the Display screen button to display other options within that feature.

Dimming Mode

Auto (Automatic): The screen background automatically adjusts depending on exterior lighting conditions.

Day: The map background brightens.

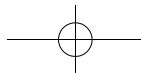
Night: The map background darkens.

To change the overall brightness setting for the display, use the vehicle interior lighting dimming control.

Setting the Clock

To set the time:

1. Press the TP (Time Program) button to go directly to the time setting page or press the CONFIG button and select Time from the list.
2. Press + or - to decrease or increase the Hours and Minutes displayed on the clock.





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12/24 HR Format: Press the 12 HR screen button for standard time; press the 24 HR screen button for military time.

Day + or Day -: Press the day + or day - display buttons to increase or decrease the day.

Display: Press Display to turn the display of the time on the screen on or off.

Global Positioning System (GPS)

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

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

The GPS shows the current position of the vehicle using signals sent by the GPS Satellites of the United States Department of Defense. When the vehicle is not receiving signals from the satellites, a symbol appears on the map screen. See *Navigation Symbols on page 43*.

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

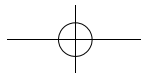
- Signals are obstructed by tall buildings, trees, large trucks, or a tunnel.
- Satellites are being repaired or improved.

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

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 in sand, gravel, and/or snow.
- The vehicle is traveling on winding roads or long straight roads.
- The vehicle is approaching a tall building or a large vehicle.
- The surface streets run parallel to a freeway.
- The vehicle has been transferred by a vehicle carrier or a ferry.
- The current position calibration is set incorrectly.
- The vehicle is traveling at high speed.





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

Problems with Route Guidance

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

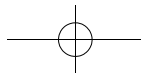
- The turn was not made on the road indicated.
- Route guidance might not be available when using automatic rerouting for the next right or left turn.
- The route might not be changed when using automatic rerouting.
- There is no route guidance when turning at an intersection.
- Plural names of places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

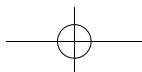
- The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
- Some routes might not be searched.
- The route to the destination might not be shown if there are new roads, if roads have recently changed, or if certain roads are not listed in the map data. See *Maps on page 41* for more information.

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

If the System Needs Service

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





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Ordering Map DVDs

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

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

After receiving the updated disc, see "Installing the DVD Map Disc" under *Maps on page 41* for more information.

Database Coverage Explanations

Coverage areas vary with respect to the level of map detail available for any given area. Some areas feature greater levels of detail than others. If this happens, it does not mean there is a problem with the system. As the map data is updated, more detail can become available for areas which previously had limited detail. See *Ordering Map DVDs on page 70* for more information.

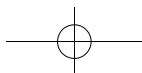
Voice Recognition

The navigation system's voice recognition allows for hands-free operation of the navigation system and the audio system features. Voice recognition only works if the map database is installed in the system.

If the radio is off, the only commands would be Hands Free and Help.



Navigation voice commands are not available until the I Agree button has been selected.

Voice recognition can be used when the vehicle is on or when Retained Accessory Power (RAP) is active. See "Retained Accessory Power (RAP)" in the Index of the vehicle owner manual for more information.






Using Voice Recognition





1. Press and hold  SRC  steering wheel button. The audio system mutes, and a beep is heard. A voice prompt stating, "Please start speaking after the beep" might be heard.



If there is no beep, make sure that the voice volume setting is not turned down. See *Using the Navigation System on page 37* for more information.

While voice recognition is active, the system displays a  symbol.

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

Canceling Voice Recognition

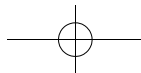
1. Press and release the  /  or  /  steering wheel button to cancel a command, or if the system response does not match the verbal command.

2. The system replies, "Voice recognition canceled."
Pressing any other radio or steering wheel control, other than the volume knob or the volume steering wheel button cancels the session.
3. Press and release the  SRC  steering wheel button to restart the voice recognition session.

Helpful Hints for Speaking Commands

- When multiple commands are available, choose the command that best works for you.
- Words in brackets are optional. For example, for the command "Radio (band) FM," saying "Radio FM" or "Radio Band FM" are both valid commands.

- Words separated by a (/) mean there is a choice of using a word on either side of the slash. For example, for the command (CD/DVD/Disc) (help), you can say "CD (help)" or "DVD (help)" or "Disc (help)."
- When the system recognizes the command, the system will either perform the function or ask to confirm the choice by clearly saying "yes" or "no."
- When the system does not recognize the command, the system issues an error message such as "pardon" or "command not recognized." The system could also say, "voice recognition canceled."
- If experiencing difficulty with the system recognizing a command, confirm that the command is correct. Try saying the command clearly or wait for a brief moment after the beep.





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- Background noise such as a climate control fan positioned on high, open windows, and very loud outside noises, even if the windows are closed, can cause voice commands to be misunderstood.
- This system is able to recognize commands in different languages, such as English, French Canadian, and Spanish. The system only recognizes commands based on the language selected.
- To increase or decrease the voice volume during a voice recognition session, turn the volume knob of the radio, or press the volume steering wheel buttons. If the volume is adjusted during a voice recognition session, a Voice Volume bar appears on the screen showing the voice volume level as it is being adjusted. This also changes the volume of the guidance prompts.

Voice Recognition Help

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

Help: The system plays back more specific help commands (such as Radio Help, Display Help, Navigation Help) for the user to choose from.

Radio (help): The system plays back helpful advice about radio commands, and some common radio commands which are available. Use this command to learn about how to select a band (AM, FM, or XM), and how to change radio stations (by speaking frequency numbers).

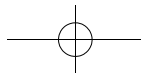
(CD/DVD/Disc) (help): The system plays back helpful advice about disc commands, and some common disc commands which are available. Use this command to learn about how to select Disc mode playback, and how to change track numbers.

Display (help): The system plays back helpful advice about display commands, and some common display commands which are available to adjust the display setting.

Navigation (help): The system plays back helpful advice about navigation commands, and some common navigation commands which are available.

Voice Recognition Commands

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



**Display Commands**

Display (set) day (mode), display (select) day (mode): This command instructs the system to switch the display to day mode.

Display (set) night (mode), display (select) night (mode): This command instructs the system to switch the display to night mode.

Display (set) auto (mode), display (select) auto (mode): This command instructs the system to switch the display to auto mode.

Display (help): This command instructs the system to play back helpful advice about display commands, and some common display commands which are available to adjust the display setting.

Radio Commands

Radio AM, radio (band) AM, radio FM, radio (band) FM, radio XM, radio (band) XM: These commands instruct the system to go to either the AM, FM, or XM radio bands.

Radio select (frequency) AM, radio select (frequency) FM: These commands instruct the system to go to a specific frequency on either the AM or FM band. For example, radio select ninety seven point one FM or radio select ten forty AM.

Radio select (channel) XM: This command instructs the system to go to a specific channel on the XM band (if equipped). For example, radio select one fifty one XM.

Radio (help): This command instructs the system to play back some helpful advice about radio commands, and some common radio commands which are available to the user.

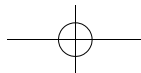
CD/DVD/Disc Commands

The following commands are only available when a CD, MP3, or DVD is loaded:

Radio CD, radio DVD, radio disc: These commands instruct the system to go to Disc mode.

Radio CD select (track number), radio DVD select (track number), radio disc select (track number): These commands instruct the system to play a specific track on the disc. For example, radio disc select ten. This command supports up to 254 tracks.

CD (help), DVD (help), disc (help): This command instructs the system to play back helpful advice about disc commands, and some common disc commands which are available.





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General Navigation Commands

Feedback on, feedback off: This command instructs the system to turn on and off the voice recognition feedback. When feedback is ON, the system responds to commands with a talk back phrase. When feedback is OFF, the system responds to commands with a chime.

Navigation voice (guidance) on, navigation voice (guidance) off: This command instructs the system to turn on and off voice guidance prompts during route guidance.

Cancel: This instructs the system to cancel the command.

Point of Interest (POI) Commands

The following is a list of POI commands. POIs only display on the map screen if the map scale is 800 m (0.50 mi) or less. If POIs display on a map with the wrong scale, the system reminds that this cannot be done. The available POI commands are:

Navigation show/hide gas station(s), navigation show/hide gas: These commands instruct the system to display and hide gas station POIs on the map screen.

Navigation show/hide restaurant(s), navigation show/hide dining: These commands instruct the system to display and hide restaurant POIs on the map screen.

Navigation show/hide ATM(s): These commands instruct the system to display and hide ATM POIs on the map screen.

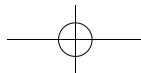
Navigation show/hide hotel(s): These commands instruct the system to display and hide hotel POIs on the map screen.

Navigation show/hide airport(s): These commands instruct the system to display and hide airport POIs on the map screen.

Navigation show/hide shop(s), navigation show/hide shopping: These commands instruct the system to display and hide shopping POIs on the map screen.

Destination and Guidance Commands

Navigation (go to) preset destination (number) (one, two, three, four, five, or six): These commands instruct the system to set one of the preset destinations one through six as the new destination.





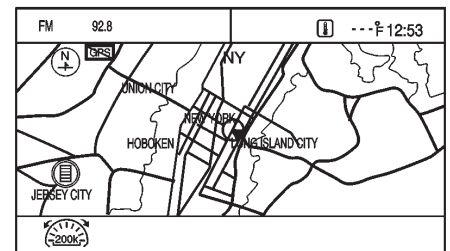
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Navigation delete: This command instructs the system to delete the destination, route, or next waypoint. The system requests a confirmation of which item should be deleted (destination, route, or next waypoint).

Destination (available for English language only): This command instructs the system that the user wants to enter a destination using voice recognition. After this command is stated, the system displays a state abbreviation (such as NY for New York). If the destination to be entered is in the displayed state, then say the desired city name. Otherwise, say "Change State" and say the state name the search should take place in. Then, say the desired city name when prompted, and say the desired street name and house number when prompted.

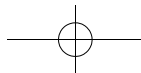
To set a destination using voice recognition:

1. Press and hold \triangle SRC ∇ steering wheel control. The audio system mutes, and a beep is heard.
2. Say the command "Destination." The system replies with "Please say city name or change state," and the system shows a pop-up banner of an abbreviated state name, such as NY for New York. If the state is correct, then go to Step 4. Otherwise, say "Change State."



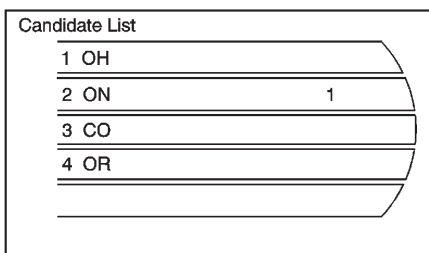
For example, if the desired destination is in Ohio, but the system shows New York (NY) in the pop-up banner, say "Change State."

3. After saying "Change State," the system replies with "Please say state name." Say the correct state.





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The state name displays. In some cases the radio shows a candidate list with the closest matches to the spoken state name. The system asks the user to select an item from the candidate list either by pressing the desired choice, or by saying the list number of the desired choice.

4. The system asks the user to say the city name. As shown earlier, the radio can display a candidate list with the closest matches to the spoken city name. Say the correct city name.

5. Reply with the street name including the suffix (Blvd, Ave, Rd, etc.), when prompted. The radio might display a candidate list with the closest matches to the spoken street name. Say the correct street name.
6. Reply with the house number when prompted. The radio might display a candidate list with the closest matches to the spoken house number. Say the house number as a single digit.
7. Confirm the correct address is displayed, then reply with yes or no, when prompted.
8. This address is now set as the destination. Select the Start screen button to begin destination guidance.

Voice Tag Commands

Voice tags are recorded phrases that can be stored in the navigation system. These voice tags are associated with address book entries, and once these voice tags

are stored, they can be used as part of a voice recognition command that sets the particular address book entry as a destination. See "Address Book" earlier in this manual for instructions on how to store a voice tag in the system.

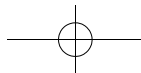
Navigation (go to) (voice tag):

This command allows selection of a destination saved under the stored voice tag. The system plays back the voice tag and asks to confirm by saying yes or no.

If a destination is set to "Home," say "Navigation go to Home." After the system plays back the voice tag and it is confirmed, the system sets "Home" as the destination.

OnStar (If Equipped) Command

Hands Free: This command instructs the system to enter the OnStar voice recognition system. See OnStar in the Index of the vehicle owner manual for more information.





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Help Commands

- Help
- Radio (help)
- CD (help), DVD (help), Disc (help)
- Display (help)
- Navigation (help)

Display Commands

- Display (set/select) day (mode)
- Display (set/select) night (mode)
- Display (set/select) auto (mode)

Radio Commands

- (radio/radio band) AM
- (radio/radio band) FM
- (radio/radio band) XM
- Radio select <frequency> AM
- Radio select <frequency> FM
- Radio select <frequency> XM

CD/DVD/Disc Commands

- Radio (CD/DVD/Disc)
- Radio (CD/DVD/Disc) select <track number>

General Navigation Commands

- Feedback On
- Feedback Off
- Navigation voice (guidance) on
- Navigation voice (guidance) off
- (cancel/goodbye/quit)

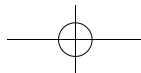
Point of Interest (POI) Commands

- Navigation show/hide (gas/gas station/gas stations)
- Navigation show/hide (dining/restaurant/restaurants)
- Navigation show/hide (ATM/ATMs)
- Navigation show/hide (hotel/hotels)

- Navigation show/hide (airport/airports)
- Navigation show/hide (shop/shops/shopping)

Destination and Guidance Commands

- Navigation (go to) preset destination (number) one
Repeat for numbers two through six.
- Navigation delete (destination/route/next waypoint)
- Route (used in conjunction with another command)
- Next waypoint (used in conjunction with another command)
- Add to waypoint (used in conjunction with another command)





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- Replace destination (used in conjunction with another command)
- Yes (used in conjunction with another command)
- No (used in conjunction with another command)
- Destination (used for Destination VR entry, available in English language only)

Voice Tag Commands

- Navigation (go to) <Voice Tag>

OnStar Command

- Hands Free

Phone

Bluetooth

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

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

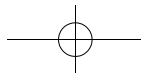
To minimize driver distraction, before driving, and with the vehicle parked:

- 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 and navigation system.

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

WARNING



When using a cell phone, it can be distracting to look too long or too often at the screen of the phone or the infotainment (navigation) system. Taking your eyes off the road too long or too often could cause a crash resulting in injury or death. Focus your attention on driving.





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
Using Voice Recognition

To use voice recognition, press the  /  button on the steering wheel.

The system then responds with "Ready," followed by a tone. After the tone, say a command.

For additional information say "Help" while you are in a voice recognition menu.



Pairing a Phone

1. Press  / . The system responds "Ready," followed by a tone.
2. Say "Bluetooth."
3. Say "Pair." The system responds with instructions and a four-digit Personal Identification Number (PIN). The PIN is used in Step 5.

4. Start the pairing process on the cell phone that you want to pair. For help with this process, see your cell phone manufacturer's user guide.
5. Locate the device named "Your Vehicle" in the list on the cell phone. Follow the instructions on the cell phone to enter the PIN that was provided in Step 3. After the PIN is successfully entered, the system prompts you to provide a name for the paired cell phone. This name will be used to indicate which phones are paired and connected to the vehicle. See "Listing All Paired and Connected Phones" later in this section for more information.
6. Repeat Steps 1 through 5 to pair additional phones.



Listing All Paired and Connected Phones

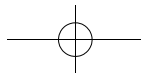
The system can list all cell phones paired to it. If a paired cell phone is also connected to the vehicle, the system responds with "is connected" after that phone name.

1. Press  / . The system responds "Ready," followed by a tone.
2. Say "Bluetooth."
3. Say "List."

Deleting a Paired Phone

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

1. Press  / . The system responds "Ready," followed by a tone.
2. Say "Bluetooth."





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3. Say "Delete." The system asks for which phone to delete.
4. Say the name of the phone you want to delete.

Connecting to a Different Phone

To connect to a different cell phone, the Bluetooth system looks for the next available cell phone in the order in which all available cell phones were paired. Depending on which cell phone you want to connect to, you may have to use this command several times.

1. Press / . The system responds "Ready," followed by a tone.
2. Say "Bluetooth."
3. Say "Change phone."
 - If another cell phone is found, the response will be "<Phone name> is now connected."
 - If another cell phone is not found, the original phone remains connected.

Storing and Deleting Phone Numbers

The system can store up to 30 phone numbers as name tags in the Hands-Free Directory that is shared between the Bluetooth and OnStar systems.

The following commands are used to delete and store phone numbers.

Store: This command will store a phone number, or a group of numbers as a name tag.

Digit Store: This command allows a phone number to be stored as a name tag by entering the digits one at a time.

Delete: This command is used to delete individual name tags.

Delete All Name Tags: This command deletes all stored name tags in the Hands-Free Calling Directory and the OnStar Turn-by-Turn Destinations Directory.

Using the "Store" Command

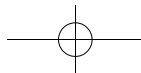
1. Press / . The system responds "Ready," followed by a tone.
2. Say "Store."
3. Say the phone number or group of numbers to store all at once with no pauses, then follow the directions given by the system to save a name tag for this number.

Using the "Digit Store" Command

If an unwanted number is recognized by the system, say "Clear" at any time to clear the last number.

To hear all of the numbers recognized by the system, say "Verify" at any time.

1. Press / . The system responds "Ready," followed by a tone.
2. Say "Digit Store."





- One at a time, say each number to store. After each number is entered, the system repeats back the number it heard followed by a tone. After the last number has been entered, say "Store," and then follow the directions given by the system to save a name tag for this number.

Using the "Delete" Command

- Press / . The system responds "Ready," followed by a tone.
- Say "Delete."
- Say the name tag you want to delete.

Using the "Delete All Name Tags" Command

This command deletes all stored name tags in the Hands-Free Calling Directory and the OnStar Turn-by-Turn Destinations Directory.

To delete all name tags:

- Press / . The system responds "Ready," followed by a tone.
- Say "Delete all name tags."

Listing Stored Numbers

The list command will list all the stored numbers and name tags.

Using the "List" Command

- Press / . The system responds "Ready," followed by a tone.
- Say "Directory."
- Say "Hands-Free Calling."
- Say "List."

Making a Call

Calls can be made using the following commands:

Dial or Call: The dial or call command can be used interchangeably to dial a phone number or a stored name tag.

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

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

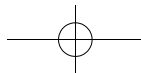
Using the "Dial" or "Call" Command

- Press / . The system responds "Ready," followed by a tone.
- Say "Dial" or "Call."
- Say the entire number without pausing or say the name tag.

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

Using the "Digit Dial" Command

The digit dial command allows a phone number to be dialed by entering the number, one digit at a time. After each number is entered, the system repeats back the number it heard followed by a tone.







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If an unwanted number is recognized by the system, say "Clear" at any time to clear the last number.

To hear all of the numbers recognized by the system, say "Verify" at any time.

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

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





Using the "Re-dial" Command

1. Press  / . The system responds "Ready," followed by a tone.
2. After the tone, say "Re-dial."

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



Receiving a Call





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

- Press  /  to answer the call.
- Press  /  to ignore a call.

Call Waiting





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

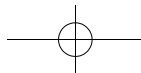
- Press  /  to answer an incoming call when another call is active. The original call is placed on hold.

- Press  /  again to return to the original call.
- To ignore the incoming call, no action is required.
- Press  /  to disconnect the current call and switch to the call on hold.

Three-Way Calling

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

1. While on a call, press  / .
2. Say "Three-way call."
3. Use the dial or call command to dial the number of the third party to be called.
4. Once the call is connected, press  /  to link all callers together.





Ending a Call

Press / to end a call.

Muting a Call

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

To mute a call, press / , and then say "Mute Call."

To cancel mute, press / , and then say "Un-mute Call."

Transferring a Call

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

The cell phone must be paired and connected with the Bluetooth system before a call can be transferred. The connection process can take up to two minutes after the vehicle is started.

To Transfer Audio from the Bluetooth System to a Cell Phone

During a call with the audio in the vehicle:

1. Press / .
2. Say "Transfer Call."

To Transfer Audio to the Bluetooth System from a Cell Phone

During a call with the audio on the cell phone, press / . The audio transfers to the vehicle. If the audio does not transfer to the vehicle, use the audio transfer feature on the cell phone. See your cell phone manufacturer's user guide for more information.

Voice Pass-Thru

Voice pass-thru allows access to the voice recognition commands on the cell phone. See your cell phone manufacturer's user guide to see if the cell phone supports this feature.

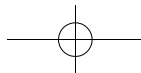
To access contacts stored in the cell phone:

1. Press / . The system responds "Ready," followed by a tone.
2. Say "Bluetooth." The system responds "Bluetooth ready," followed by a tone.
3. Say "Voice." The system responds "OK, accessing <phone name>."

The cell phone's normal prompt messages will go through their cycle according to the phone's operating instructions.

Dual Tone Multi-Frequency (DTMF) Tones

The Bluetooth system can send numbers and numbers stored as name tags during a call. Use this feature when calling a menu-driven phone system. Account numbers can also be stored for use.





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Sending a Number or Name Tag During a Call

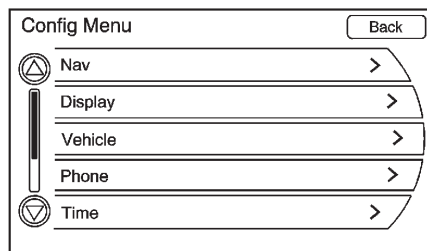
1. Press / . The system responds "Ready," followed by a tone.
2. Say "Dial."
3. Say the number or name tag to send.

Clearing the System

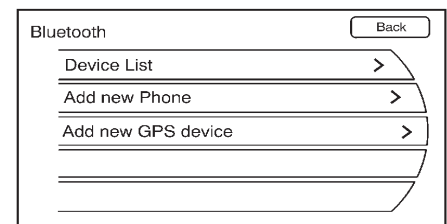
Unless information is deleted out of the in-vehicle Bluetooth system, it will be retained indefinitely. This includes all saved name tags in the phone book and phone pairing information. For information on how to delete this information, see the previous sections on "Deleting a Paired Phone" and "Storing and Deleting Phone Numbers."

Pairing a Phone Using the Infotainment System

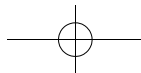
The pairing process can be started by using the controls on the infotainment system.

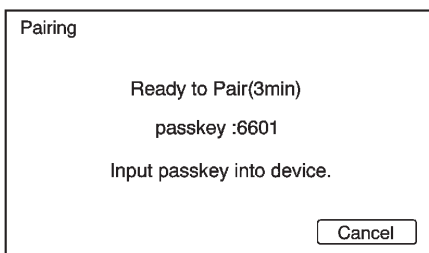


1. Press the CONFIG button. Turn the TUNE/MENU knob until the Phone menu displays. Press the TUNE/MENU knob or press the Phone screen button to display other options.



2. Turn the TUNE/MENU knob until Bluetooth displays. Press the TUNE/MENU knob or press the Bluetooth screen button to display other options.
3. Select "Add new Phone." The pairing process will begin searching for Bluetooth devices on the cell phone. See the cell phone manufacturer's user guide for information on this process.



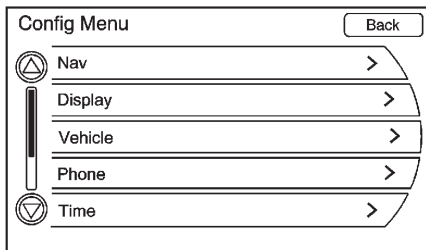


On the cell phone, locate the device named "Your Vehicle." Follow the instructions given on the cell phone or follow the voice prompts, to enter the four-digit Personal Identification Number (PIN) that has been provided.

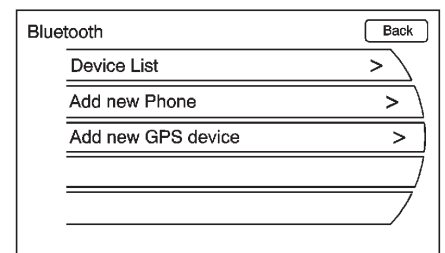
4. The system voice prompt requests a name for the phone being paired. Use a name that best describes the phone. The system voice prompt then repeats the name you provided for confirmation; say "Yes."

5. The system responds with "phone name has been successfully paired" after the pairing process is complete.

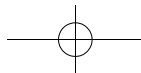
Listing All Paired and Connected Phones



1. Press the CONFIG button. Turn the TUNE/MENU knob until the Phone menu displays. Press the TUNE/MENU knob or press the Phone screen button to display other options.

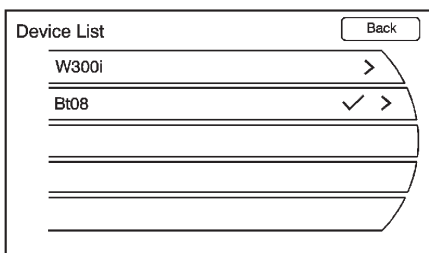


2. Turn the TUNE/MENU knob until Bluetooth displays. Press the TUNE/MENU knob or press the Bluetooth screen button to display other options.





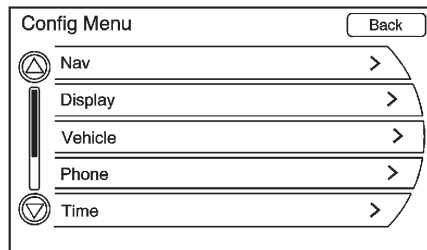
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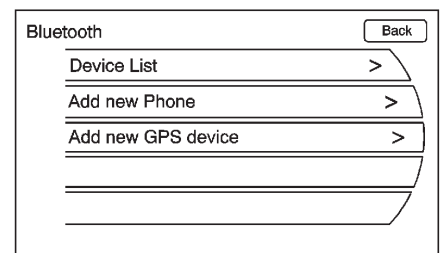
- Turn the TUNE/MENU knob until Device List displays. Press the TUNE/MENU knob or press the Device List screen button to display other options.

A list of all previously paired phones will be displayed. If there is a currently connected phone, a checkmark will appear on the right side of the phone name.

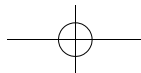
Deleting a Paired Phone



- Press the CONFIG button. Turn the TUNE/MENU knob until the Phone menu displays. Press the TUNE/MENU knob or press the Phone screen button to display other options.

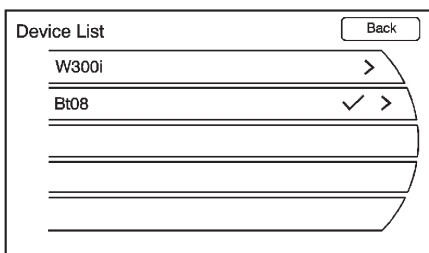


- Turn the TUNE/MENU knob until Bluetooth displays. Press the TUNE/MENU knob or press the Bluetooth screen button to display other options.

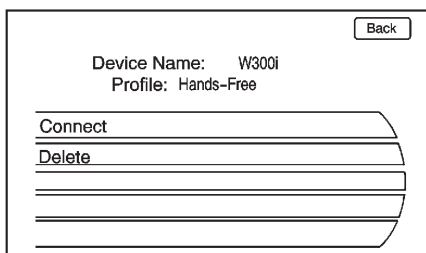




Infotainment System 87



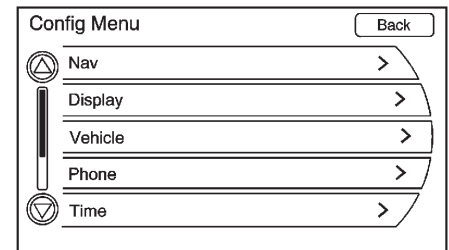
- Turn the TUNE/MENU knob until Device List displays. Press the TUNE/MENU knob or press the Device List screen button to display other options.



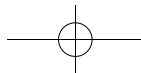
- Turn the TUNE/MENU knob, then press it to select the phone to be deleted. Follow the on-screen prompts to delete the device from the system.
- Once a phone has been deleted, the only way to connect back to that phone is to pair the phone again.

Linking to a Different Phone

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

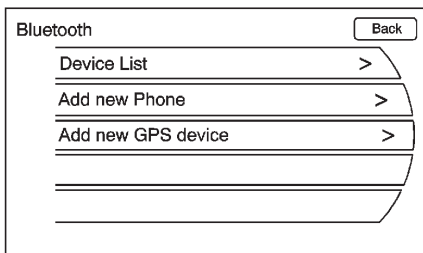


- Press the CONFIG button. Turn the TUNE/MENU knob until the Phone menu displays. Press the TUNE/MENU knob or press the Phone screen button to display other options.

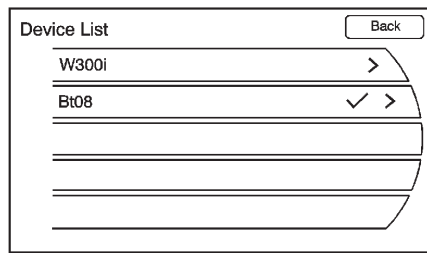




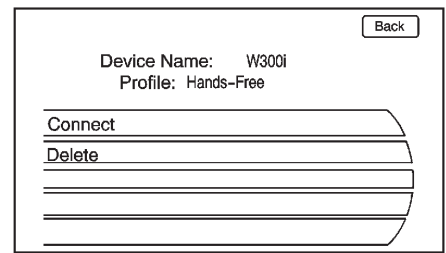
88 Infotainment System



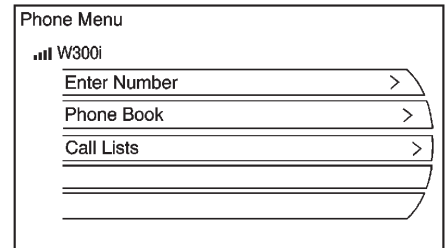
2. Turn the TUNE/MENU knob until Bluetooth displays. Press the TUNE/MENU knob or press the Bluetooth screen button to display other options.



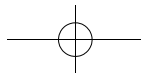
3. Turn the TUNE/MENU knob until Device List displays. Press the TUNE/MENU knob or press the Device List screen button to display other options.



4. Select the phone to be linked and then follow the on-screen prompts.



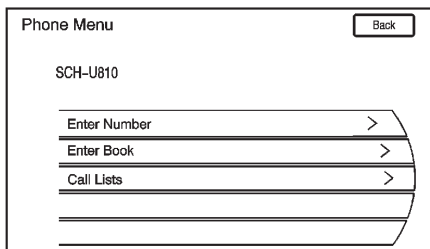
5. The Phone menu will be displayed with the name of the phone linked.





Making a Call

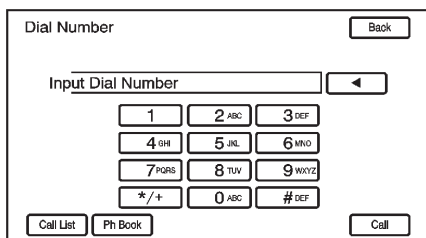
Press / on the infotainment system, to access the Phone Menu.



Enter Number

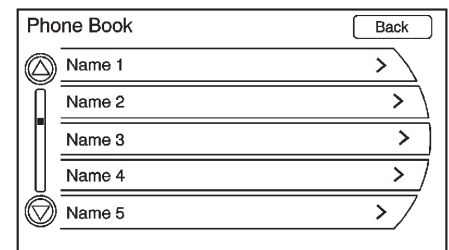
Use this option to enter a phone number and make a call.

1. Turn the TUNE/MENU knob, then press it to select Enter Number selection. A dial pad displays.



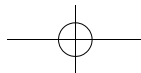
2. Enter the phone number by pressing the numbers on the keypad.
3. Press the Call button on the screen to make the call.

Phone Book



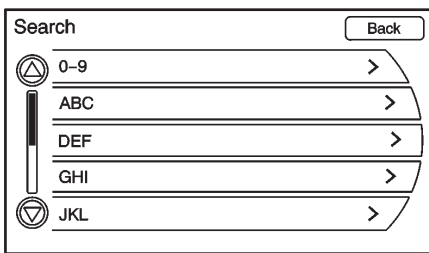
The phone book can be accessed by pressing the Phone Book selection on the Phone Menu screen.

Turn the TUNE/MENU knob to select the person or place to call. Press the TUNE/MENU knob or press the desired person or place to display the number. Press the TUNE/MENU knob or press the number to make the call.



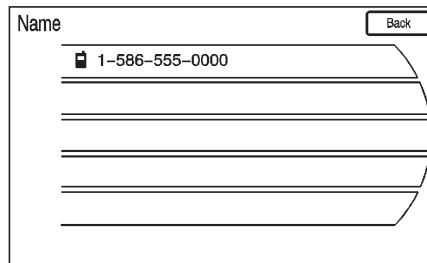


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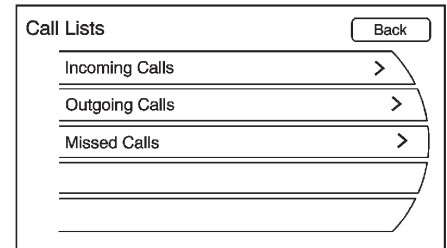


The Phone Book feature also has a search menu that can be accessed by pressing that option screen button. Once the Search menu displays, turn the TUNE/MENU knob to scroll through the list, then press the TUNE/MENU button to select the desired list item. These lists are saved in alphabetical order.

Press the TUNE/MENU knob or press the appropriate search line to obtain the numbers of the listed persons or places that have been saved.

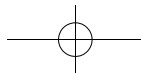


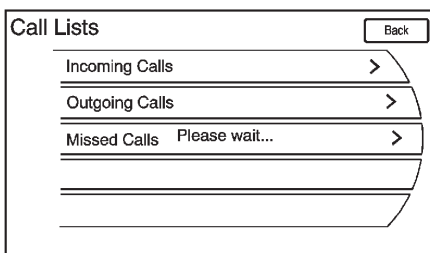
Call Lists



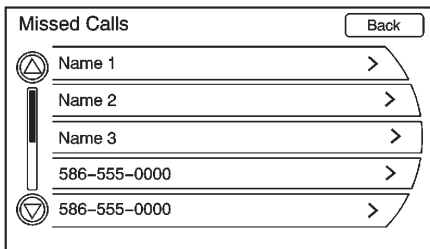
The Call Lists selection from the Phone Menu screen can be used to show a list of incoming calls, outgoing calls, and missed calls.

1. Press the CONFIG button. Turn the TUNE/MENU knob until Phone displays. Press the MENU knob or press the Phone screen button to display other options.
2. Turn the TUNE/MENU knob, then press this knob or press either Incoming Calls, Outgoing Calls, or Missed Calls.





Once one of these options has been selected, a pop-up menu displays. A list of persons and places will display for the selected option.



Turn the TUNE/MENU knob, then press this knob or press the appropriate screen button to select

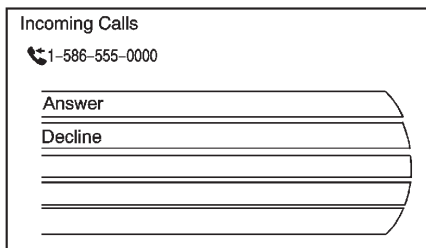
someone on that list. A menu displays showing the phone number for that person.

Accepting or Declining an Incoming Call

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

Accepting a Call

Press the appropriate screen button for the Answer option on the screen to answer the call.



Declining a Call

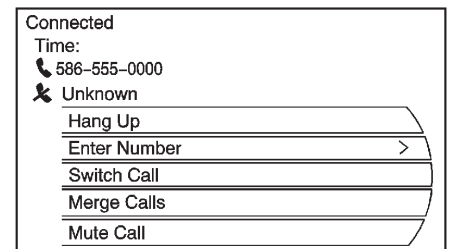
Select the Decline option on the screen.

Call Waiting

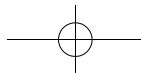
Call waiting must be supported on the Bluetooth phone and enabled by the wireless service carrier to work.

Switching Calls (Only Available with Call Waiting)

This feature allows switching between calls, making one call active, and placing the other on hold.



Switch Call: Turn or press the TUNE/MENU knob to Switch Call and press Enter or press the Switch Call option.





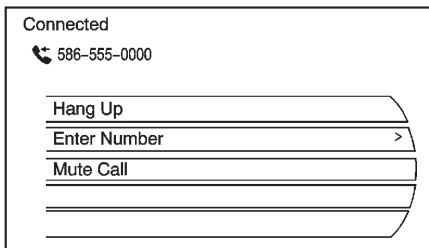
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Conference Calling

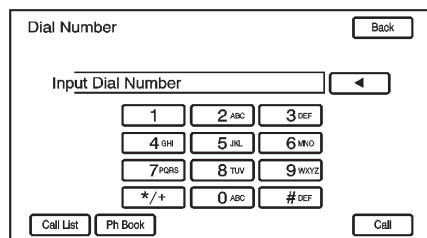
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To start a conference while in a current call:

1. Press / on the infotainment system until the Phone main screen is shown with the current active call.

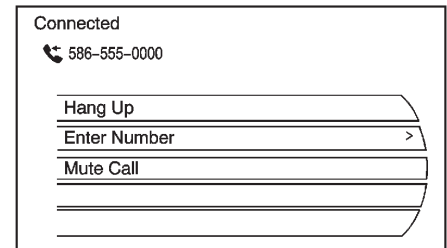


2. Select Enter Number on the screen.



3. Make another call. The first call will be placed on hold while the second call is dialing and connected.
4. To make a conference call, select Merge Calls and both calls merge into one conference call.
5. To add more callers to the conference call, repeat Steps 2 through 4. The number of callers that can be added is limited by your wireless service carrier.

Ending a Call

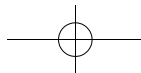


To end a call:

1. Press / .
2. Select Hang Up.

Mute or UnMute a Call

1. Press / .
2. Select Mute Call.
3. Select Mute Call again to unmute the call.





Dual Tone Multi-Frequency (DTMF) Tones

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

1. Press / .

2. Turn the TUNE/MENU knob, then press this knob or press the Enter Number option and enter the number sequence.

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

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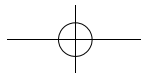
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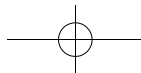
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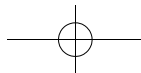
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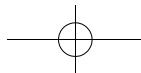
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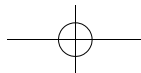
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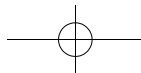
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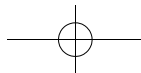
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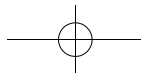
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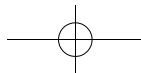
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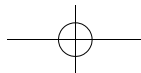
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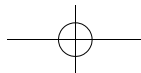
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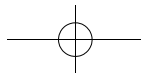
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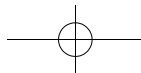
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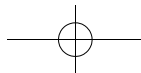
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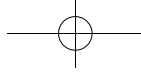
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