

2010 Chevrolet Equinox and GMC Terrain Navigation System

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Introduction



GENERAL MOTORS, GM, the GM Emblem, CHEVROLET, the CHEVROLET Emblem, and the name Equinox, GMC, the name Terrain are registered trademarks of General Motors LLC.

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 and GMC Motor Divisions 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 des Véhicules Canadiens)

A French language copy of this manual can be obtained from your dealer/retailer 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

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Overview

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

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 do this. Some features may be disabled while driving. Note that these functions are grayed-out. A grayed-out function indicates it is not available when the vehicle is moving.

All functions are available when the vehicle is parked. Before driving:

- Become familiar with the navigation system operation, hard keys on the faceplate, and touch-sensitive screen buttons of the navigation system.

- Set up the audio by presetting favorite stations, setting the tone, and adjusting the speakers.
- Set up the navigation features before beginning to drive, such as entering an address or a preset destination.
- Set up phone numbers in advance so they can be called easily with the press of a single button or a single voice command (for navigation systems with phone capability).

WARNING

Taking your eyes off the road too long or too often while using the navigation system could cause a crash resulting in injury or death to you or others. Focus your attention on driving.

WARNING

Avoid looking too long or too often at the moving map on the navigation screen. This could cause a crash and you or others can be injured or killed. Use the turn-by-turn voice guidance directions 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.

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 could suggest using a road that is now closed for construction or a turn that is prohibited by signs at the intersection. Because the system uses limited information, always evaluate whether following the system's directions are safe and legal for the current conditions.

When the navigation system is turned on, a screen might appear with the information below. Read and acknowledge the information it contains.

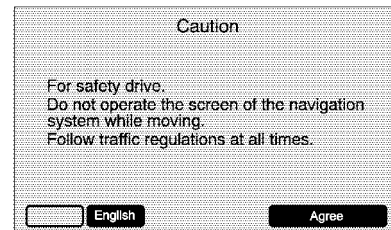
⚠ WARNING

Taking your eyes off the road for extended periods could cause a crash resulting in injury or death to you or others.

To help avoid a crash in which you or others could be killed:

- Always concentrate on your driving first by keeping your eyes and mind on the road, and your hands on the wheel.
- Follow system directions only if permitted by traffic laws, controls, and conditions.
- Before using this system, read the owner manual and learn how it operates.
- Some system controls cannot be used when the vehicle is moving.

After acknowledging the start up information you will be able to access the NAV (navigation) and DEST (destination) functions. Once accessed, enter or delete information in the navigation system or access other functions. See instructions later in this section.



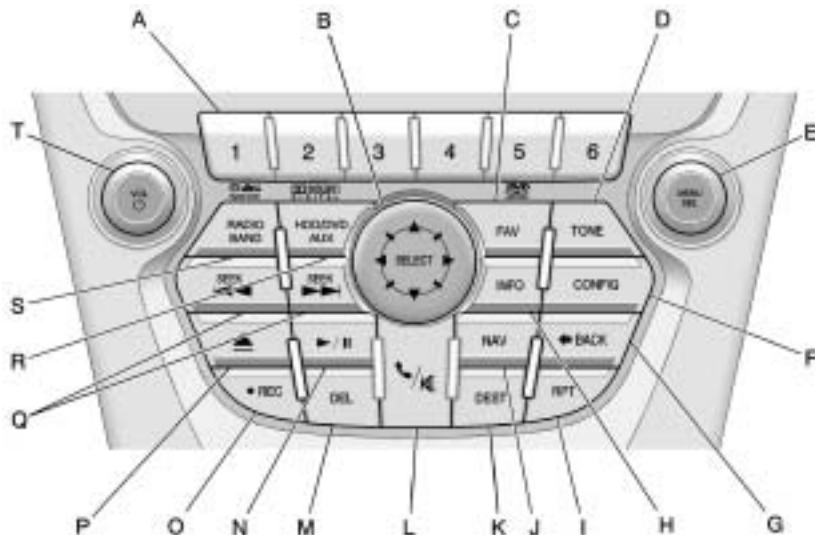
Each time the vehicle is started and the navigation system is turned on, the Caution screen appears. Touch OK to accept the Caution.

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If OK is not selected, all hard keys except for NAV and DEST can be accessed. Once the NAV or DEST hard keys are pressed, this Caution screen appears and OK must be pressed to access the navigation map.

When getting started the navigation system can be set to preferences or information that has been entered can be deleted using various options.

Navigation System Overview



- A. Radio Preset keys. See *AM-FM Radio* on page 12.
- B. SELECT. See “Navigation Hard Keys” under *Using the Navigation System* on page 41.

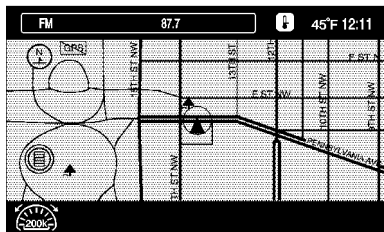
- C. FAV (Favorite) key. See “Storing Radio Station Presets” later in this section. Also see *AM-FM Radio* on page 12.

- D. TONE key. See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- E. MENU/SEL (Menu/Select) knob. See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- F. CONFIG (Configure) key. See *Configure Menu on page 65*.
- G. ↩ BACK. See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- H. INFO key. See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- I. RPT (Repeat) key. See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- J. NAV (Navigation Screen). See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- K. DEST (Destination) key. See *Destination on page 52*.
- L. 📶 / 🔌 key. See “Bluetooth” in the index of the vehicle’s owner manual.
- M. DEL (Delete) key. See *Hard Drive Device (HDD) on page 27*.
- N. ▶/⏸ (Play/Pause) key. See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- O. REC (Record) key. See *Hard Drive Device (HDD) on page 27*.
- P. ▲ (Eject) key. See *CD/DVD Player on page 18*.
- Q. ⏮⏭ SEEK keys. See *AM-FM Radio on page 12*, *CD/DVD Player on page 18*, and *Hard Drive Device (HDD) on page 27*.
- R. HDD DVD AUX (Source). See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- S. RADIO BAND (AM, FM, XM, CD, etc.). See “Navigation Hard Keys” under *Using the Navigation System on page 41*.
- T. VOL/🔌 (Volume/Power) knob. See “Navigation Hard Keys” under *Using the Navigation System on page 41*.

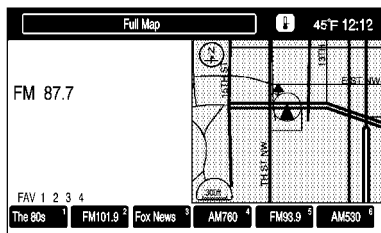
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NAV (Navigation) Menu

The Navigation menu screen allows access to the navigation system settings.

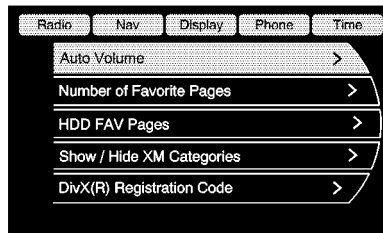


1. Press the NAV hard key to go to the navigation map screen. The map and your current vehicle location will be shown.
2. Press the NAV hard key to toggle between a split (map/audio) view or a full map view.



Setup Menu

Press the CONFIG hard key to display the Setup menu. The Setup menu allows you to access screens where you can configure various audio, navigation display, phone, vehicle configuration, and time features.



To scroll through the available setup options, press the CONFIG hard key repeatedly, or touch the desired tab at the top of the screen

Languages

To change the display language from what the system is currently set to, see "Vehicle Configuration Menu" in the index of the vehicle's owner manual.

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

English, Metric, and Imperial Unit Conversion

You can also use the Driver Information Center (DIC) to change your display's readings between English, Metric, and Imperial units. See "Driver Information Center" in the index of the vehicle's owner manual for more information.

Deleting Personal Information


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

At times, such as when you are selling or disposing of your vehicle, you may want to delete this information:

- 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 the  to turn the system on.
2. If viewing a map screen, touch the source screen button, press the RADIO BAND key, or press the FAV key.
3. Select the band.
4. Seek or tune to the desired station, to select it.
5. Press and hold one of the preset screen buttons for more than one and a half seconds.
6. Repeat the steps for each preset.

To change the number of preset pages, see *AM-FM Radio on page* .

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

If having trouble finding 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 amount of characters to reduce or expand the available options.

To set a destination by entering a street name:

1. Press the DEST hard key.
2. If necessary, enter the state/ province name. The last state/ province name is automatically recalled.

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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. For example, enter N. Royal Oak Rd as Royal Oak. 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. Select the list 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 button or the preset 6 on the faceplate. The address information screen displays the address entered.

7. Select the GO screen if correct. The route will calculate.

8. Select the route preference for fastest, shortest, or easiest. The chosen route preference highlights. See “Navigation Settings” under *Configure Menu on page 65* for more information.

9. Select the Start screen button and the route is calculated.

See “Address Entry” under *Destination on page 52* for more information.

Entering a Point of Interest (POI)

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

1. Press the ⏻ to turn the system on.
2. A caution could appear. Touch the OK screen button to proceed.
3. Press the DEST hard key.

4. Press the Point of Interest screen button.


5. Enter the specific title of the POI in the POI name space (i.e. Washington Monument).

If four or less 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. Select the List button to view the list. Select the POI.

6. Select the Go screen button. The system calculates the route.
7. Select the route preference (Fastest, Shortest, or Easiest). The system highlights the route.
8. Select the Start Guidance screen button. The route is now ready to be started.

See “Point of Interest (POI)” under *Destination on page 52* for more information.

Storing Preset Destinations


1. Press the  to turn the system on.
2. A caution could appear. Touch the OK screen button to proceed.
3. Press the NAV or DEST hard key.
4. Enter a destination. See *Destination on page 52* for information on how to enter a destination.
5. Press the Mark screen button from the map screen to add the current final destination to the address book.
The address book screen appears.
6. Select the Name screen button. 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 Your Stored Preset Destinations” next in this section to select it as a destination.

See “Adding or Changing Preset Destinations” under *Destination on page 52* for more information on how to add preset destinations.

Using the Stored Preset Destinations

These destinations are available for selection while driving.

1. Press the  to turn the system on.
2. A caution could appear. Touch the OK screen button to proceed.
3. Press the DEST hard key.

4. Select one of the available preset destination screen buttons. The system calculates the route.
5. Select the route preference (Fastest, Shortest, or Easiest). The system highlights the route.
6. Select the Start Guidance screen button. The route is now ready to be started.

See “Preset Destination” under *Destination on page 52* for more information.

Canceling Guidance

Guidance is canceled once you arrive at the final destination. To cancel guidance prior to arrival at the final destination:

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

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Voice Guidance

To adjust the volume of voice guidance prompts:

1. Press the CONFIG hard key to enter the menu options, then press the CONFIG key repeatedly until Nav is selected or touch the Nav screen button.
2. Press the Voice Prompt screen button.
3. Press the Voice Volume screen button.
4. Press the + (plus) or – (minus) screen buttons to increase or to decrease the volume of the voice prompts.

See “Voice Volume” under *Configure Menu on page 65* for more information.

Cleaning the Display

Notice: If you use abrasive cleaners when cleaning glass surfaces, you could scratch the glass. When cleaning the glass, use only a soft cloth and do not spray cleaner directly on the system.

Do not apply spray cleaner directly to the system, the cleaner could affect the mechanical parts.


Do not wipe the panel with a hard cloth or use a volatile liquid such as thinner or alcohol, it could scratch the surface or erase the characters on the buttons.

Radio

AM-FM Radio

Playing the Radio

Audio Source Menu

 **(Power/Volume):** to turn the radio on or off. Turn the knob to increase or decrease the volume. The volume is adjusted for the current audio source, active navigation voice guidance, or voice prompts.

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

Also, see “Radio Settings” and “Automatic Volume Control” earlier in this section.

TUNE: Turn the knob to change the radio station. See “Finding a Station” following for more information.

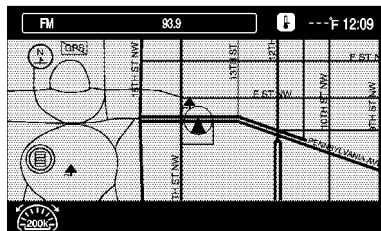
AM/FM/XM: Press the RADIO BAND hard key to select the AM, FM, or XM band.

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

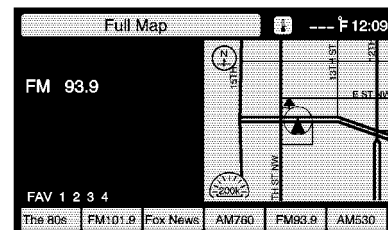
HDD/DVD/AUX: Change to DISC, HDD, USB, or AUX by pressing the HDD/DVD/AUX hard key until the desired source is selected.

HDD (Hard Drive Device): Press the HDD/DVD/AUX hard key until the HDD source is selected.

AUX (Auxiliary): Press the HDD/DVD/AUX hard key until the aux source is selected.



If the audio system is on and you are viewing a map screen, a touch sensitive source indicator tab will appear at the top of the map screens.



Touch the source indicator tab 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. Touch the Full Map button to exit the split view screen.

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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:

To adjust the bass, treble and midrange:

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

Adjusting the Speakers

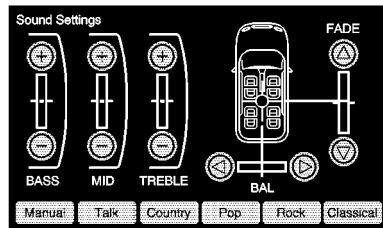
To adjust the speaker balance using the Sound menu:

- Touch and hold the left arrow button for more sound from the left speakers or the right arrow button for more sound from the right speakers. The middle position balances the sound between the left and right speakers.

To adjust the speaker fade:

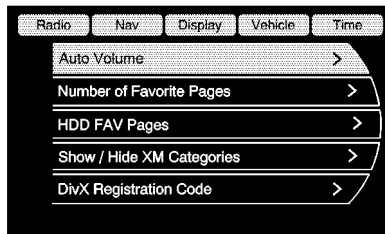
- Touch and hold the front arrow button for more sound from the front speakers and the rear arrow button for more sound from the rear speakers. The middle position balances the sound between the front and rear speakers.

EQ Settings



EQ (Equalization): The EQ settings are selected through the sound menu. EQ provides a choice of Manual, Talk, Country, Pop, Rock, or Classical settings.

Radio Settings



To access the RADIO settings menu:

- Press the CONFIG hard key, then touch the Radio tab.
- Press the CONFIG hard key until the Radio menu displays.

Audio system settings or features can be customized for:

- **Automatic Volume Control**

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

- **Number of Favorite Pages**

Change the number of mixed-band preset pages when using the FAV hard key. Touch 1 to 6 to select the number of preset lists.

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

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

- **DivX Registration Code**

Displays the DivX registration code used for DivX media playback.

Finding a Station

Select the band, see “Source Selection” earlier in this section.

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

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

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Seeking a Station

Press SEEK hard key to search for a station.

Local Station List Search



To find a list of local stations in the current band AM or FM band, press the SELECT hard key. 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.

To scroll through the pages, press the FAV button. The current page number displays above the preset buttons. The stored stations for each list displays on the touch-sensitive 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. Touch the RADIO BAND, then touch AM, FM or XM to select the desired band.
2. Tune to the station.
3. Press FAV to scroll to the list.

4. Touch 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 FAV to scroll to the page.
2. Touch 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 only 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 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
- 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 that is 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. or in Canada, www.xmradio.ca or call 1-877-438-9677.

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

XM Categories

XM stations are organized in categories.

Removing or Adding Categories

1. Press the CONFIG button until the radio settings menu appears.
2. Select Show/Hide XM Categories screen button.
3. Press the category buttons on the screen to show or hide the category.

XM Radio Messages

See “XM Radio Messages” in the vehicle’s owner manual for a list of possible XM messages.

Audio Players

CD/DVD Player

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

With the ignition 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 that is 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, and 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.


If a description label is needed, try labeling the top of the disc using a marking pen.

Loading and Ejecting Discs

To load a disc:

1. Turn the ignition 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. If the disc is not removed within a short period of time, it automatically is pulled back into the 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 (tilt slightly if necessary) and play starts automatically.
- Press the HDD/DVD/AUX hard key, then touch 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 Up/FWD):

- Seeks 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 Down/REV):

- 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: Turn the knob to the right or left to go to the next or previous track.

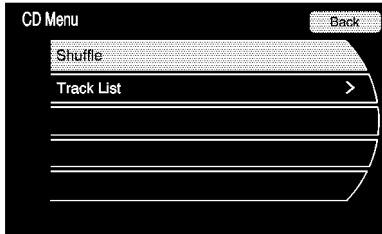
Multifunctional: Turn the knob to display the track list. Select the track from the list. The system plays the selected track and returns to the CD screen.

Shuffle



This icon displays when Shuffle mode is on. See "CD Menu" following.

CD Menu

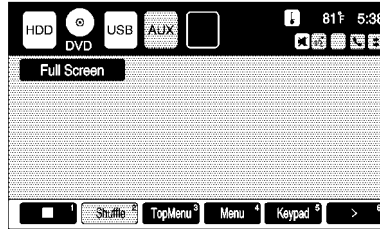


Touch the CD Menu screen button to display the CD Menu.

Shuffle: Plays the tracks randomly rather than in sequence. Touch again to stop shuffle. A check mark indicates shuffle is on.

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

Playing an Audio and Video DVD



To view the DVD video, the vehicle must be in P (Park) for an automatic transmission or the parking brake must be engaged for a manual transmission.

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. Touch anywhere on the navigation system screen or press the FAV, HDD/DVD/AUX, or BACK hard keys to view the menu screen again.

Use the preset hard keys or touch screen buttons to operate the DVD options

There are two pages of DVD options. Select the arrow button, located 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: Select to hide the DVD options and display the full video image. Touch anywhere on the navigation system screen or press the FAV, HDD/DVD/AUX, or BACK hard key to re-display the source screen buttons over the video image.

Cursor: Touch 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 buttons to move around the DVD menu.

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

▶▶ (Seek Up/FWD): Press to seek to the next chapter. Press more than once to continue moving forward through the disc.

Press and hold to fast forward through a disc. When fast forward is active, press again to change the speed. Elapsed time displays. Press ▶/|| to resume playing.

◀◀ (Seek Down/REV): 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.

Press and hold to fast reverse through a disc. When fast reverse is active, press again to change the speed. Elapsed time displays. Press ▶/|| to resume playing.

TUNE: Turn the knob to the right or left to go to the next or previous chapter.

Stop: Select to stop the DVD. To resume playing the DVD from where it stopped, press ▶/||. Press twice to start the DVD from the beginning.

Shuffle: Select to play the tracks randomly rather than in sequence. Select again to play sequential. This button is available for DVD audio discs.

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

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

Keypad: Select 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: Select to perform a title search.

Angle: Select 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: Select 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.

Subtitle: Select 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: Select 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 could have been a problem while burning the disc.
- The label might be 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/retailer.

MP3

Playing an MP3 CD and DVD MP3 Format

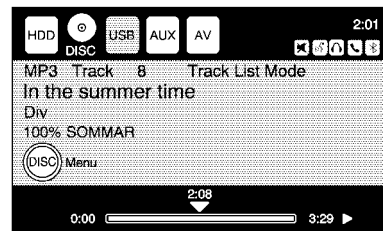
There are guidelines that must be met, when creating an MP3 disc or the CD might not play.

The guidelines are:

- 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 is 255 with a maximum hierarchy of eight folders.

- Maximum of 1024 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.
- 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 hard key 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 Up/FWD): 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 Down/REV): 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.

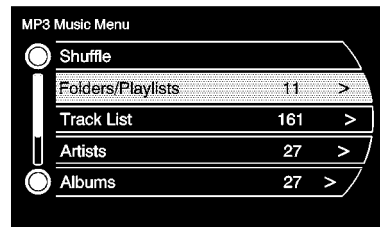
Tune: Turn to go to the next or previous track.

Multifunctional: Turn to display the track list for the current mode/folder. Select the track from the list. The system plays the selected track and returns to the CD screen.

Disc Music Menu: See “Disc Music Menu” following for more information.

Disc Music Menu

Touch the DISC Menu screen button or press the Select hard key while on the Disc audio screen to display the DISC Music Menu.



Select any of the following category buttons on the MP3 music menu to display the corresponding category screen:

- **Folders/Playlists**

Select to view the folders stored on the disc. Select a folder to view the list of all the 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)**

Select 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**

Select to view the list of artists that have been 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**

Select 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**

Select 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**

Select 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 located 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.

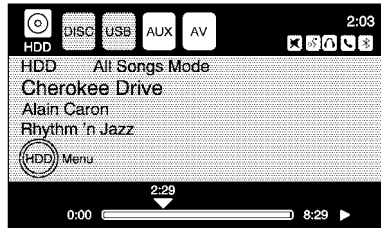
The type of format supported by the HDD are:

- MP3
- MP3-Pro (with spectral band replication).
- WMA
- OGG Vorbis
- Audible.com
- M4A

Songs can be recorded from a CD player or a mass media storage device connected by a USB connector. The hard drive has 10 GB memory capacity for storage of media files.

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:



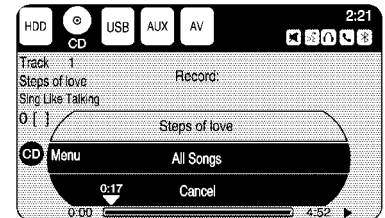
Press the HDD/DVD/AUX hard key, cycle through the available audio source until the HDD source displays or press the HDD/DVD/AUX hard key once, and touch the HDD source button.

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 REC button.
2. Press HDD/DVD/AUX hard key until the Disc screen displays.
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 HDD/DVD/AUX hard key until the Disc screen displays.
2. Press Seek up and Seek down or CD/Disc Music Menu to select a song for recording.
3. Press the REC hard key.
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 HDD/DVD/AUX hard key until the disc screen displays the USB screen.
2. Press the REC hard key.

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.
2. Press HDD/DVD/AUX hard key until the disc screen displays the USB screen.
3. Use the Seek up and Seek down or USB Music Menu to select a song for recording.
4. Press the REC hard key.
5. A confirmation displays.
6. Select the song name to record. A progress bar displays.

Duplicate Content

When the record function is started, there is a check to verify that it 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 content will be copied to the hard drive.

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

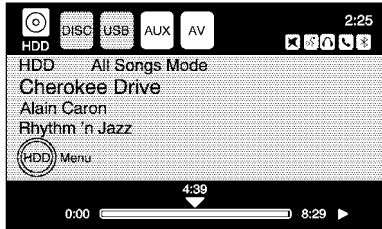
CD Eject

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 hard keys or touch-sensitive buttons:

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

▶▶ (Seek Up/FWD): Press to seek to the next track.

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

◀◀ (Seek Down/REV): 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.

Press and hold this button to reverse quickly through playback. Release the button to return to playing speed. Elapsed time appears on the display.

TUNE: Turn the knob to the right or left to go to the next or previous track.

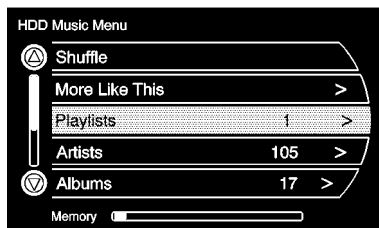
Multifunctional: Turn this knob to display the track list. For example, if in artist mode it only displays the track by the selected artist. Select the desired track from the list. The system plays the selected track and returns to the HDD screen.

DEL (Delete): Select to delete a song from the hard drive. Select the song from the HDD Music Menu screen to delete.

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

HDD Music Menu

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



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

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

More Like This: Select 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 the files are compressed.

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

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

Album: Select to view the albums on the hard drive. 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: Select to view a list of all songs on the hard drive. Select a song from the list. Once selected, All Songs Mode displays.

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

Recently Saved: Select 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:

- Press the FAV hard key until the FAV playlist category displays.
- Touch 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:

- Press the FAV hard key until the correct FAV category appears.
- Touch and hold a preset button on the bottom of the screen.

Playing HDD Favorites

Favorites can be played two different ways.

1. Press the FAV hard key until the appropriate FAV HDD category displays.

Touch a preset button at the bottom of the HDD screen.

2. Select FAV from the HDD Music Menu. Favorite Artist, Album and Genre are in the corresponding list.

USB Host Support

The USB connector uses the USB 2.0.

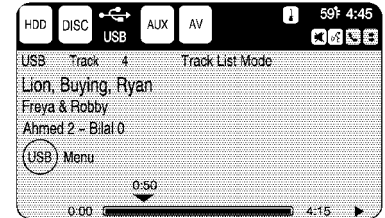
USB Supported Devices

- 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 MP3 control functions and menu.

Playing from 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 located in the center console.

The USB icon displays when the USB device connected.

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To play a USB device:

- Connect the USB and it begins to play.
- Press the HDD/DVD/AUX hard key, then touch 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 Up/FWD): Press to seek to the next track.

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

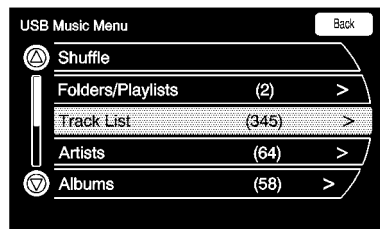
⏮ (Seek Down/REV): Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, the previous track plays. If playing longer than five seconds, the current track restarts. Press and hold to reverse quickly through playback. Release the button to return to playing speed. Elapsed time displays.

TUNE: Turn the knob to the right or left to go to the next or previous track.

Multifunction: Turn this knob to display the track list. For example, if in artist mode it only displays the track by the selected artist. Select the desired track from the list. The system plays the selected track and returns to the USB screen.

USB Music Menu: See USB Music Menu following for more information.

USB Music Menu



Touch the USB Menu screen button or press the Select hard key while on the USB audio screen to display the USB Music Menu.

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

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

Folder/Playlist: 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.

Artist: Select 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.

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

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

Playing from an iPod®

iPod® is a trademark of Apple Inc., registered in the U.S. and other countries.



This feature supports the following iPod models:

- Fifth generation or later iPod
- First, Second, or Third generation iPod Nano
- iPod Classic
- iPod Touch

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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

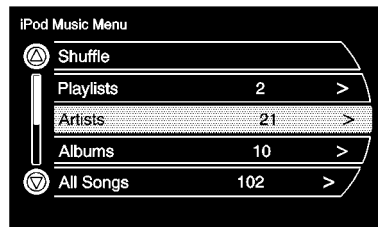
To connect and control an iPod, connect one end of the standard iPod USB cable to the iPod's dock connector. Connect the other end to the USB port in the center console.

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 ignition is on or in the ACC/ACCESSORY position. When the ignition is turned 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 a model that is not supported, it can still be listened to in the vehicle by connecting it to the auxiliary input jack using a standard 3.5 mm (1/8 inch) stereo cable. See *Auxiliary Devices* on page 40 for more information.

iPod Music Menu



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

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

Playlist: Select this button to view the playlists that have been stored on the iPod. Select a playlist name to view a list of all songs in the playlist. Select the desired song from the list. Once a song has been selected "Playlist Mode" appears on the iPod main screen to show that music is playing from a playlist.

Artist: Select this button to view the artists that have been stored on the iPod. Select an artist name to view a list of all songs by the artist. Select the desired song from the list. Once a song has been selected "Artist Mode" appears on the iPod main screen to show that music is being played from a specific artist.

Album: Select this button to view the albums that have been stored on the iPod. Select an album name to view a list of all songs on the album. Select the desired song from the list. Once a song has been selected "Album Mode" appears on the iPod main screen to show that music is being played from a specific album.

All Songs: Select this button to view a list of all songs stored on the iPod. Then, select the desired song from the list. Once a song has been selected "All Songs Mode" appears on the iPod main screen to show that music is being played from the All Songs category.

Genres: Select this button to view the genres that have been stored on the iPod. Select a genre name to view a list of all songs of that genre. Select the desired song from the list. Once a song has been selected "Genre Mode" appears on the iPod main screen to show that music is being played from a specific genre.

Composers: Select this button to view the composers that have been stored on the iPod. Select a composer name to view a list of all songs of that composer. Select the desired song from the list. Once a song has been selected "Composer Mode" appears on the iPod main screen to show that music is being played from a specific composer.

Audio Book: Select this button to view the audio books that have been stored on the iPod. Select an audio book name to view a list of all songs of that genre. Select the desired song from the list. Once a song 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, album.

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

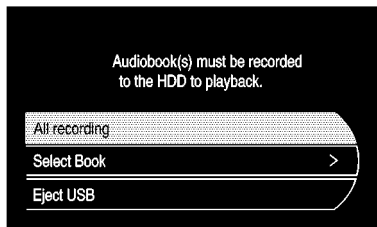
Audio Book

The system can play back audio book content downloaded from www.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 your 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:

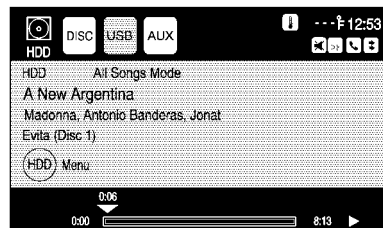


Press Record All screen button to record all available audio books. A specific audio book to record can be selected by pressing the Select Book screen button.

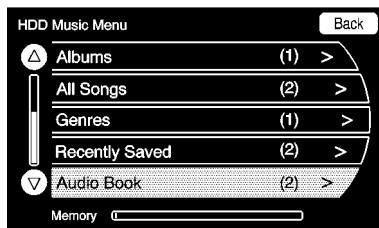
After the files have been recorded, eject the CD/USB external media.

Playing Audio Book Content

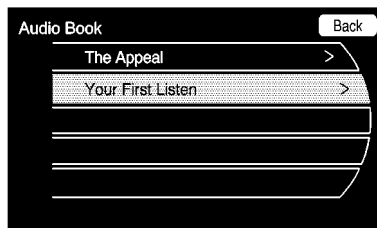
After activating and transferring audible.com files to the system, play the files by:



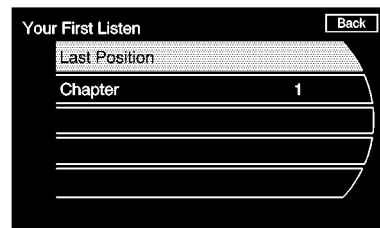
1. Press the HDD/DVD/AUX hard key until the HDD source is selected.



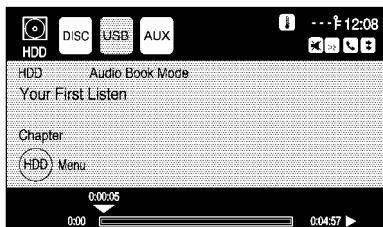
2. Enter the HDD Menu, the HDD Music Menu displays. Scroll down to the Audio Book option and select.



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



4. Then, select a chapter to start playback.

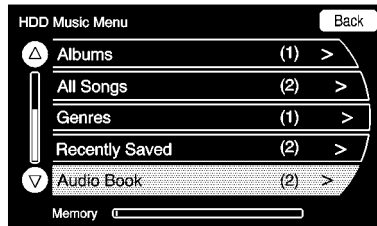


5. The audio book begins playback.

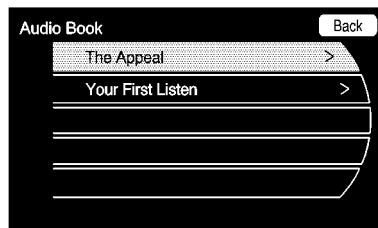
Selecting Another Audio Book

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

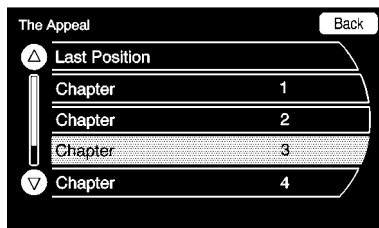
To change the audio book currently playing:



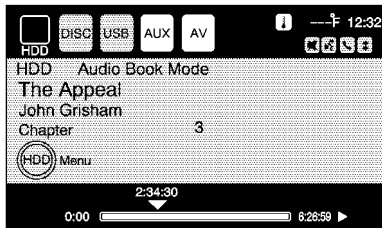
1. Press the Select hard key or touch the HDD Menu screen button to enter that screen menu. The HDD Music Menu displays. Scroll down to the Audio Book option.



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



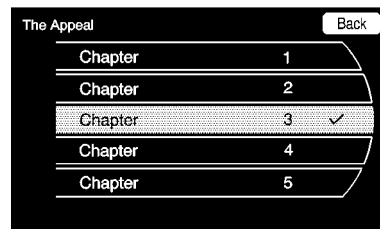
3. Select a chapter to start playback.



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 multifunction 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 located at the right.

Auxiliary Devices

This vehicle has an auxiliary input jack located 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 inch) 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 hard key repeatedly to cycle through all of the available audio source screens, until the AUX source screen is selected.
- Press the HDD/DVD/AUX hard key once, then touch the AUX source screen button.

Rear Seat Infotainment

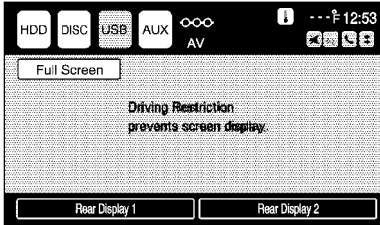
Rear Seat Entertainment (RSE) System

This vehicle might have rear seat displays, for viewing movies and videos in the rear seat. This feature can be controlled through the navigation radio screen.

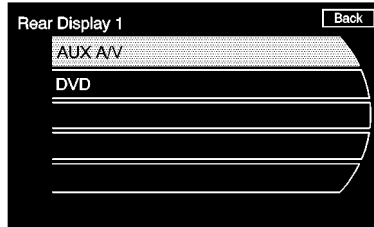
A DVD can play in the navigation radio, or from an auxiliary video source.

To use the rear seat displays:

1. Insert a DVD into the navigation radio or an attached auxiliary video source.
2. Press the HDD/DVD/AUX hard key until the AV source screen displays.



3. Press Rear Display 1 for left video screen or Rear Display 2 for right video.



4. Select the video source to be used (AUX A/V or DVD).

Navigation


Using the Navigation System

Use the hard keys on the navigation system and the available touch 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 Hard Keys

The hard keys are on the navigation system:

VOL/  (Volume/Power): Press to turn the system on and off. Use to adjust the volume for the audio, OnStar[®], voice guidance, and voice recognition voice prompts.

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

CONFIG (Configure): Press to adjust features for radio, navigation, display, phone, vehicle, and time. See *Configure Menu on page 65* for more information.

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

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.

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

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 52* for more information.

BACK: Press to return to the previous screen in a menu. The BACK button does not work in primary display screens, such as phone, sound settings, configure settings, info screens, map screen, or audio screen.

The preset buttons numbered one through six can be used to select the soft key buttons on the bottom of the display.

Touch Screen Buttons

Touch screen buttons are on the screen and are highlighted when a feature is available. Some toggle 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 alpha or numeric keyboard. The alpha keyboard displays when data needs to be entered.

All characters are touch screen buttons. Touch to select.

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

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

Symbols: To select symbols.

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

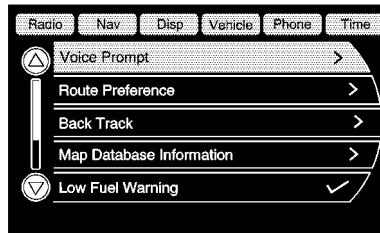
[Backspace]: The backspace screen button is used to delete an incorrect character that has been selected.

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 navigation menu screen accesses the navigation system settings.



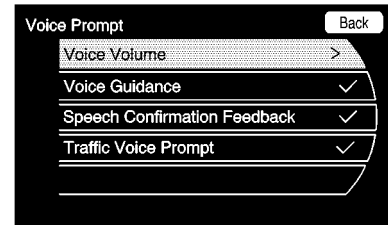
To access:

1. Press the CONFIG hard key to display the Setup menu.
2. Touch the NAV tab at the top of the screen or press CONFIG until the navigation menu displays.
3. Select the navigation setting to change.

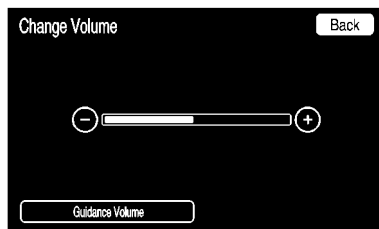
The touch-sensitive buttons available are:

Voice Prompt

This menu allows changes to the voice features.



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



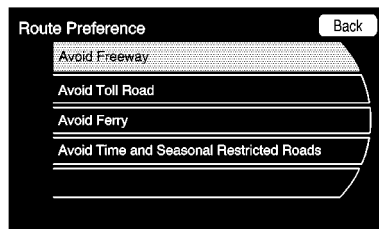
Voice Guidance: Enable or disable voice guidance. A checkmark indicates on.

Confirmation Feedback: Turns the speech confirmation feedback on or off. A checkmark indicates on.

Traffic Voice Prompt: Enable and disable Traffic Voice Prompts. A checkmark indicates feedback is on when a traffic event occurs.

Route Preference

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



Avoid Freeway: Major roads are avoided.

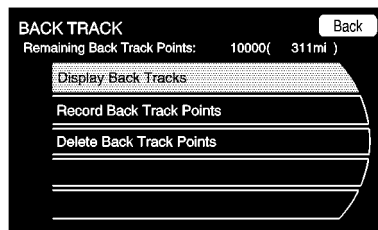
Avoid Toll Road: Toll roads are avoided.

Avoid Ferry: Ferries are avoided.

Avoid time and seasonal restricted road: Time restricted and seasonal roads are avoided.

BACK TRACK

Touch 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: Deletes the recorded path.

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 popup 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.

Weather Warning (if equipped): When selected, a popup screen displays weather warnings.

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

Maps

This section includes basic information needed to know about the map database.

Map Coverage

The navigation maps are stored on the hard drive.



For more information on map coverage, see Navigation Settings earlier in this section.

Installing the DVD Map Disc

Your dealer/retailer 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 76* later in this section.

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

1. Turn ignition 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.
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.

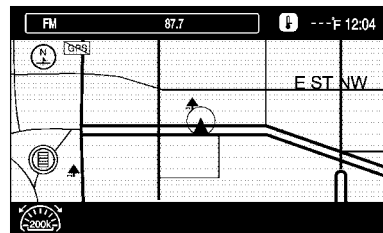
Handling the DVD Map Disc

- 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 out 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 using any writing utensil or attach a seal to any of the sides or 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



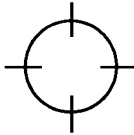
There are two methods to change the map scale:

1. Turn the Select knob clockwise or counterclockwise to zoom out or in.
2. Touch the Map scale button which is located on the bottom left-hand 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 100 m (150 ft) to 400 km (250 mi). To change from English to metric, see “DIC Operation and Displays” in the index of the vehicle’s owner manual.

Scroll Features



- To scroll within the map, touch anywhere on the map screen and the scroll symbol displays.
- Tap the map to center that location on the screen.
- Hold a finger in any direction outside of the scroll symbol and the map will continue to scroll in that direction until finger is removed.

- Scroll speed increases when touching closer to the edge of the screen.
- Press the NAV hard key 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 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.

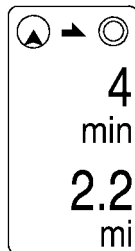


The waypoint symbol marks a set waypoint and is numbered depending on how many have been set.

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



The estimated time and distance to the destination are displayed.



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



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

regardless of the direction the vehicle is traveling. Select this screen symbol to change the view to Heading up 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. Select this screen symbol to change the view to North-up or 3-D.

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.



These symbols indicate that the information shown on the right side of the map can be hidden to show a full screen map view.



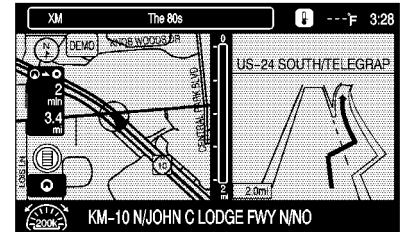
This symbol indicates that a menu is available and displays on the left side of the screen. Press this symbol or the SELECT hard key to access the screen menu.

Driving on a Route

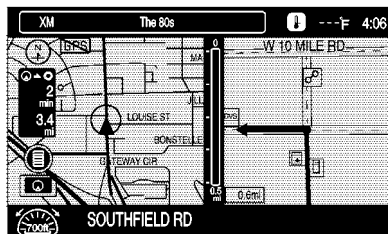
While driving on a route, the next maneuver the map screen displays is either as an Urgent maneuver or a Non-Urgent maneuver.

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 is less than or equal to 1.5 km (2 miles) away on freeway.



Driving on the Highway



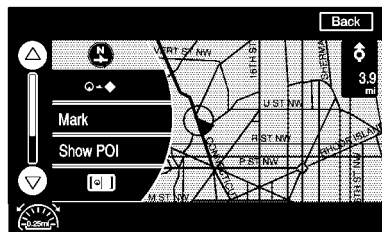
Driving on the Residential Road

Non-Urgent Maneuver

A non-urgent maneuver is when your distance to the next maneuver is greater than 0.8 km (0.5 mi) when driving on a residential road or is greater than 1.5 km (2 miles) when driving on a freeway.

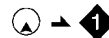
Options Available on the Map Screen

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

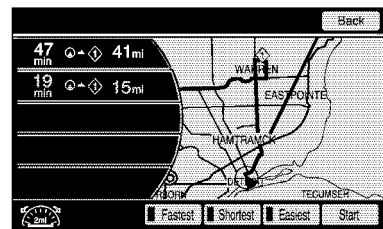


1. While on the Map screen.
2. Press the SELECT hard key to display the menu on the left side.

See *Navigation Symbols on page 47* to learn how to change the map view to North up, Head up, or 3-D view.



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

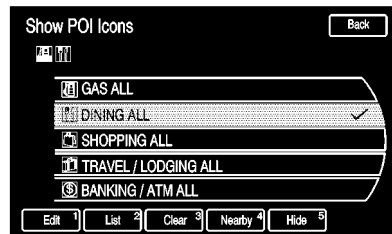


This menu displays if the symbol and waypoints are entered. Select the main map view to display the distance and time remaining from the current vehicle position to any of the set waypoints or final destination.

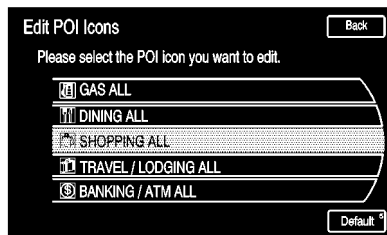
Mark: Saves a specific location to the Address Book.

Show POI

Select to view POI information nearby and on route.

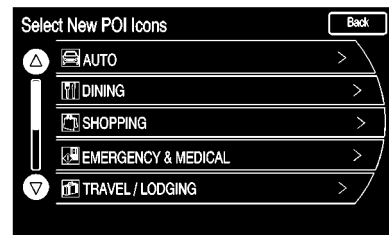


There are several Preset options on the bottom of the screen.



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 a list of available POIs.

Clear: Clears all selected POI on the Show POI Icons menu.

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

Hide: Select to hide the POIs from view on the map. To display, go to the Map menu, select the Show POI Icons menu and select the Show option.



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

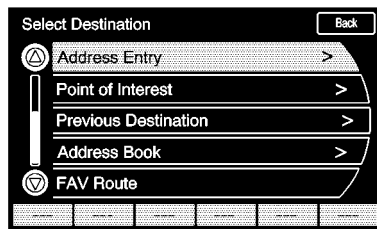
Traffic: Provides nearby traffic information and traffic events on the planned route.

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

Cancel Guidance: Cancel guidance of current route.

Destination

While destination is not set, press the DEST hard key 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 hard key.
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.
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. For example, enter N. Royal Oak Rd as Royal Oak. 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. Select the list button to view the list and select the street.

5. Enter the house number. This field is automatically selected.
6. Press the OK button or the preset six button on the faceplate. The address information screen displays the address entered.
7. Select the GO screen button if correct. The route is calculated.
8. Select the route preference for fastest, shortest, or easiest. The chosen route preference highlights. See "Navigation Settings" under *Configure Menu* on page 65 for more information.
9. Select the Start screen button and the route is calculated.

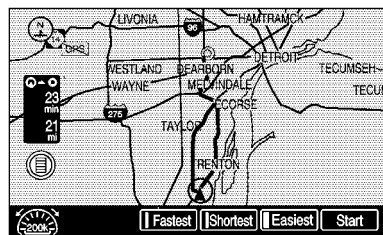
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Entering the Street name first:

1. Press the DEST hard key.
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. For example, enter N. Royal Oak Rd as Royal Oak. 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. Select the list 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 button or the preset six button on the faceplate. The address information screen displays the address entered.
7. Select the GO screen if correct. The route is calculated.
8. Select the route preference for fastest, shortest, or easiest. The chosen route preference highlights. See “Navigation Settings” under *Configure Menu* on page 65 for more information.
9. Select the Start screen button and the route is calculated.



Point of Interest (POI)

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

Entering by POI Name/Phone Number

1. Press the DEST hard key.
2. Select the POI screen button.



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. Select the List button to view the list.

4. Select the POI name from the list.
5. Select the GO screen button on the confirmation screen if the information is correct.
6. Select the route preference for fastest, shortest, or easiest.
7. Select the Start Guidance screen button and start the route.

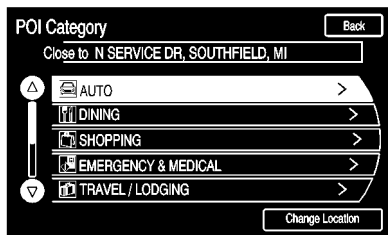
Entering a POI by City Name

1. Press the DEST hard key.
2. Select the Point of Interest screen button.
3. Select the Browse POI Categories screen button.
4. Select the change location 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, select the GO screen button. The route is calculated.
9. Select the route preference for fastest, shortest, or easiest.
10. Select the Start Guidance screen button and start the route.

Selecting a POI Category

1. Press the DEST hard key.
2. Select the Point of Interest screen button.
3. Select the Browse POI Categories screen button or the preset six button on the faceplate.



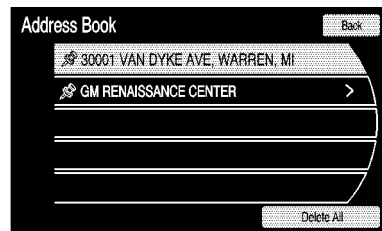
4. Select a category, then a sub-category.
The available POI names display.
5. Select the POI name.
6. If the POI is correct, select the GO screen button. The route is calculated.
7. Select the route preference for fastest, shortest, or easiest.
8. Select the Start Guidance screen button and start the 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 automatically are deleted once the newest destinations are added.

1. Press the DEST hard key.
2. Select the Previous Destination screen button. A list displays the previous destinations.
3. Select the Destination.
4. Select the GO screen button if the information is correct and the route is calculated.
5. Select the route preference for fastest, shortest, or easiest). See "Navigation Settings" under *Configure Menu on page 65* for more information.
6. Select 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 hard key.
2. Select the Address Book screen button. A list displays the address book entries.
3. Select the destination from the list.

4. Select the GO screen button on the confirmation screen if the information is correct. The route calculates.
5. Select the route preference for fastest, shortest, or easiest. See "Navigation Settings" under *Configure Menu on page 65* for more information.
6. Select the Start Guidance screen button and start the route.

Pick From Map

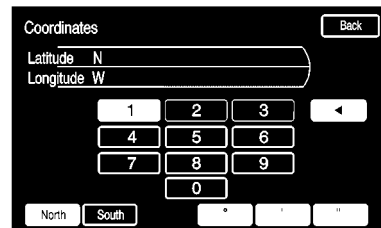
Select a destination by scrolling on the map.

1. Press the DEST hard key.
2. Select the Pick From Map screen button. A map screen with a scroll symbol displays.

3. Select the Zoom in/out arrow key on the screen and touch the map to locate the destination to select. Press and hold a finger on the map to activate fast scrolling.
4. Select the GO screen button. The route calculates.
5. Select the route preference for fastest, shortest, or easiest. See "Navigation Settings" under *Configure Menu on page 65* for more information.
6. Select the Start screen button and start the route.

Lat/Long Coordinates

Choose a destination based on Latitude and Longitudinal coordinates.



Enter in the location as coordinates, Latitude and Longitude.

1. Press the DEST hard key.
2. Select the Lat/Long screen button.

3. Enter the coordinates for the destination in degrees, minutes, and seconds.
4. Select the GO screen button. The route calculates.
5. Select the route preference for fastest, shortest, or easiest. See “Navigation Settings” under *Configure Menu on page 65* for more information.
6. Select the Start screen button and start the route.

Preset Destination

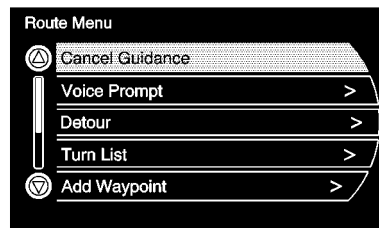
Set a destination by selecting from one of six previously stored destinations. If a destination is not set for one of the screen buttons, the button dims and is not available

to use. See “Adding or Changing Preset Destinations” later in this section for information on how to add a preset destination.

1. Preset the DEST hard key.
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 “Navigation Settings” under *Configure Menu on page 65* for more information.
4. Select the Start 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 hard key to access the Route Menu screen.



Cancel Guidance

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

Voice Prompt

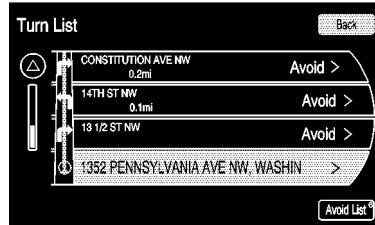
Select Voice Volume to change the volume of voice prompts and voice recognition.

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 *Configure Menu* on page 65 for more information.

Detour

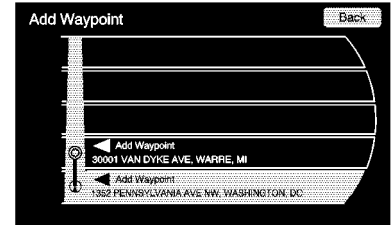
To select a detour around the current route, select the Route screen, then select to detour 2, 5, or 10 km (1, 3, or 5 miles). Select Whole Route to detour the entire route. This is only available while driving on a route.

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:

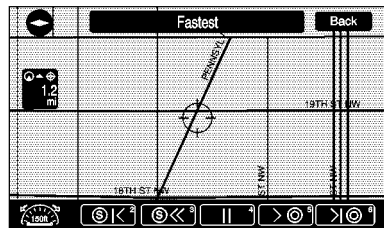
1. Press the DEST hard key.
2. Select the Add Waypoint screen button. This button is only available if the route has been calculated.
3. Enter the waypoint by any of the add destination methods. See *Destination on page 52* or more information. The system calculates and highlights the route and the route can be started.
4. To add more waypoints, press the DEST hard key. Select the Add 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 hard key.
2. Select the Delete Waypoint screen button.
3. Select the waypoint to be deleted by touching the screen.
4. A confirmation message displays. Select Yes to delete the waypoint; select No to cancel this operation. The system calculates and highlights the route and the route can be started.

Route Preview

Preview the entire route in either direction.



⏮ ⏭ (Reverse or Forward Skip):

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

◀ ▶ (Fast Reverse or Forward Scroll): Select the fast reverse scroll arrow to go to the start point. Select the fast forward scroll arrow to go to the final destination. These buttons display once the reverse/forward scroll button has been selected.

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

< > (Reverse or Forward Scroll): Select the reverse scroll arrow to go to the start point. Select the forward scroll arrow to go to the final destination.

Suspend/Resume Guidance

Select 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:

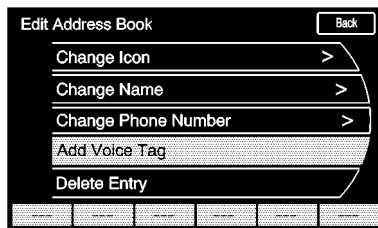
1. Press the DEST hard key.
2. Select the Previous Destination screen button.
3. Touch the Clear All screen button.
4. Select OK to Clear All Previous Destination, or press Cancel button to cancel this operation.

Address Book

Options for saving to the Address Book:

1. **Scrolling on map or Pick from Map in the Dest Menu:** Scroll to the location. Press SELECT on the faceplate. A menu displays on the left side of the screen. Select the Mark and the location is saved.

2. **Address Entry:** Enter a destination through the Address Entry menu. Press the Mark button and a menu displays with the Mark option located on the bottom of the screen. Select the Mark option to save this location to the Address Book.
3. **POI Menu:** Select a POI. Select Mark from the bottom of the information page display.
4. **Previous Destination:** From the Previous Destination Menu, select the destination to save. Select Mark at the bottom of the information page.



To change the map icon of an address book entry:

1. Press the DEST hard key.
2. Select the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be changed.
4. Select the Edit screen button.
5. Select the Change Icon screen button.

6. Select an icon from the list.
7. Select OK screen button to save changes.

To edit the name of an address book:

1. Press the DEST hard key.
2. Select the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be changed.
4. Select the Edit screen button.
5. Select the Change Name option.
6. Use the Alpha keyboard to enter the name.
7. Select OK screen button to save your changes.

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

1. Press the DEST hard key.
2. Select the Address Book screen button. A list of address book entries displays.

3. Select the address book entry to be changed.
4. Select the Edit screen button.
5. Select Change Phone Number screen button.
6. Use the numeric keyboard to enter or change the phone number.
7. Select OK screen button to save changes.

To add a voice tag to an address book entry:

1. Press the DEST hard key.
2. Select the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be changed.
4. Select the Edit screen button.
5. Select 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 hard key.
2. Select the Address Book screen button. A list displays the address book entries.
3. Select the address book entry to be deleted.
4. Select the Delete screen button. A confirmation message displays.

To add a preset destination from the address book:

1. Press the DEST hard key.
2. Select the Address Book screen button.
3. Select the address book entry to add as a Preset. The Address Book Information screen displays.
4. Select the Edit button on the bottom of the screen by touching it or pressing preset 1 on the faceplate.

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 hard key until the full map screen is shown.
2. Press the SELECT hard key. A menu displays.
3. Scroll down and select the Whole Route option. The whole route map screen displays.
4. Select 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 hard key.
2. Select Fav Route screen button.
3. Select the route.
4. Select the Edit screen button.
5. Select from: Change Route Name, Add Voice Tag, or Delete Favorite Route.

To change the route name:

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

64 Infotainment System

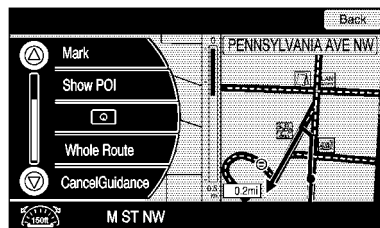
To add a voice tag:

1. Select 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. Select the Delete Favorite Route screen button. The confirmation screen displays.
2. Press Yes to delete the route and 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. Select Nav hard key to view the Map screen.
2. Select the Menu screen button or the SELECT button.

Map Heading



Press to change the view to North up, Heading up, or 3-D mode. See *Navigation Symbols on page 47* for more information.

Traffic: Select to view the Traffic Information screen. See *Configure Menu on page 65* for more information.

Mark: Select to save a location to the Address Book.

Show POI: Select to turn POI on or off. 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: Select to view the entire route from starting point to destination on the map.

Cancel Guidance: Stops the current route.

Configure Menu

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

Radio

Press the CONFIG key to enter the Menu options, continue pressing the CONFIG key until Radio is selected or touch the Radio screen button to make changes for radio information displayed, preset pages, Automatic Volume Control, and XM™ categories restore. See *Satellite Radio* on page 18 for more information.

Nav (Navigation)

Press the CONFIG key to enter the Menu options, continue pressing the CONFIG key until Nav is selected or touch 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 that the XM Traffic subscription is not activated.

If activated, traffic information displays:

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

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

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

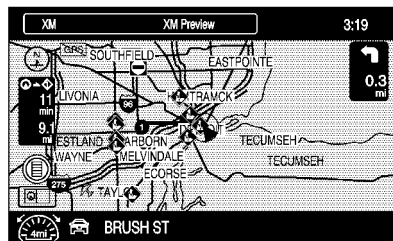
To turn XM NavTraffic on or off:

1. Press the CONFIG hard key, continue pressing the CONFIG key until Nav is selected or press the Nav screen button.
2. Touch the Traffic Information button.
3. Select the Traffic button. This button highlights and a check mark 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.



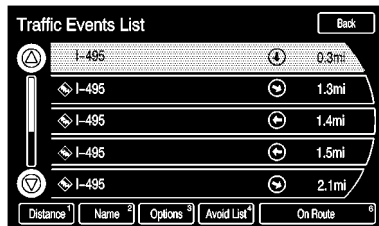
The Traffic Icon has three different condition displays. These are:

- No icon displays if there is no XM NavTraffic™ subscription or 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.

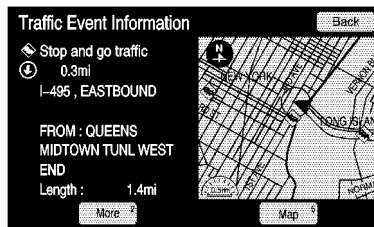
It could take some time to sort the received information. The list of traffic conditions display in the order of distance from the vehicle, for up to approximately 125 km (75 mi). With a route planned, traffic events display on the route. Not all traffic conditions may display.

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

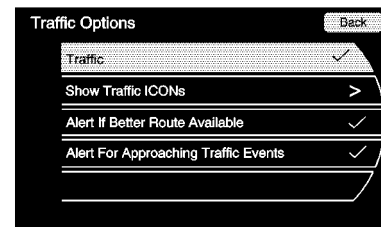


1. Press the NAV key to show the map, then press the SELECT hard key for the map menu.
2. Scroll down and select the Traffic screen button. A list of traffic conditions with distance from the vehicle's current position displays.

An arrow can 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.

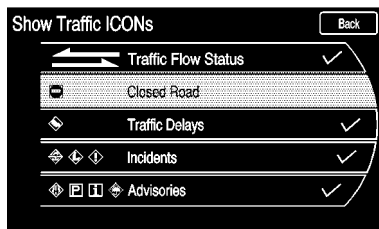


3. Select a traffic condition to get more detailed information.



Select the Options screen button. A Traffic Options menu displays. Select the traffic related option.

Traffic: Select to enable or disable the traffic function.



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

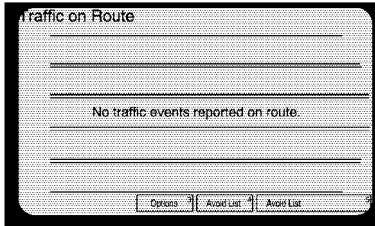
Traffic flow data arrows display on the map when scaled up to eight miles. Closed Road, Traffic Delays, Incidents, and Advisories — Select the traffic event ICONS that appear on the map screens.

Alert for Approaching Traffic

Events: When On, if an approaching traffic event is within the alert range, one of two traffic alerts display:

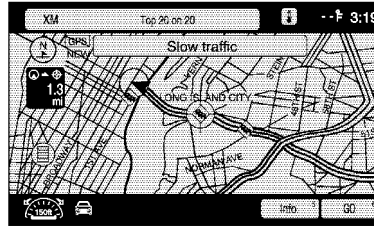
- With no route planned, while on expressways, Approaching Traffic Event without Avoid screen displays.
- With route planned, Traffic Event on Route screen displays. If the Alert for Approaching Traffic Events is Off, the alert does not display.

On Route



Select the Traffic On Route touch 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



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

Distance

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

Traffic events update approximately every two minutes.

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.

Select the INFO screen 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:


Category 1, Road Closure:


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

Category 2, Traffic Delayed:

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



Category 3, Incidents:


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


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


 **(Road Works):** Delayed traffic due to construction.

Category 4, Advisories:

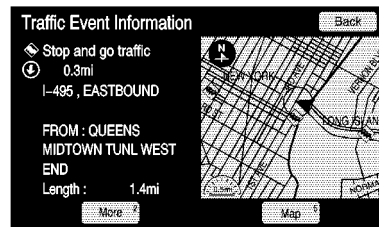
 /  **(Road Condition):** Delayed or stopped traffic, lane blocked or closed due to a road condition.

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

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

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

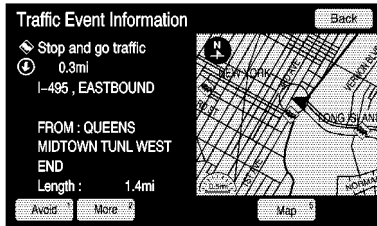
Traffic Event Information



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: Displays related traffic events on the map if available.

More: More information is available for the traffic event.

Avoid: Select to 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 prompts are part of the current navigation voice prompt settings. 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 navigation voice prompts are turned off, all traffic prompts are also turned off.

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

The RPT hard key 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 Detour Available displays, a possible quicker route is available and an alternate route can be selected to detour around the traffic condition. Press the Yes screen button and a 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 are traffic condition symbols may display:



Stopped Traffic



Traffic Jam



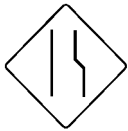
Road Closed



Accident



Road Work,
Construction



Lane Narrows



Road Condition



Other



Alert



Road Visibility

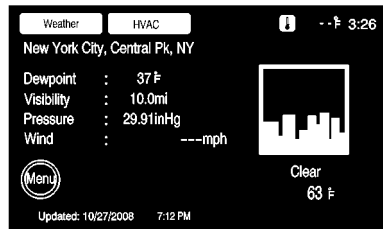
XM™ Weather (where available)

Press the INFO key, then press the INFO key until the Weather screen is selected or touch the Weather screen button.

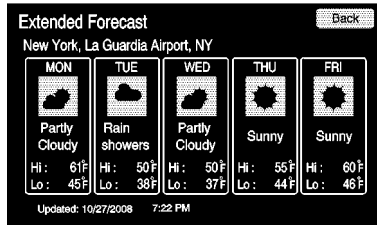
Current Condition

Press the INFO key until the Weather tab is selected to show the current weather condition of the city of the vehicle's current position.

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



Extended Forecast



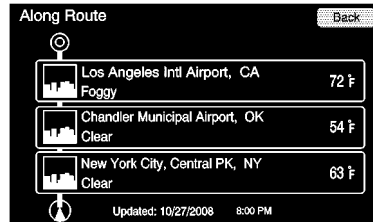
Select the Menu button by pressing the Enter key or touch the Menu button on the screen to show the Weather Menu screen. From this screen, select Extended Forecast.

Weather Along the Route

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

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

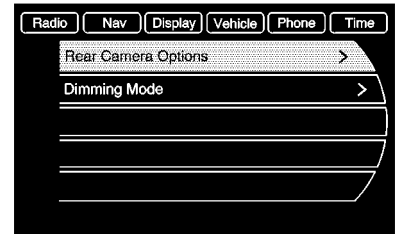
From the XM Weather Menu Screen, select Along the Route:



Weather Alerts

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

Display



Press the CONFIG key to enter the menu options, then press the CONFIG key until Display is selected or touch the Display screen button.

Dimming Mode

Auto (Automatic): Automatically adjust the screen background 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 CONFIG key to enter the menu options, then press the CONFIG key until the time is selected or touch the clock screen button located in the upper right corner of the screen.
2. Press the Hours and Minutes – and + signs to decrease and to increase the time.

12/24 HR Format: Select the 12 HR screen button for standard time; select the 24 HR screen button for military time.

Day + or Day –: Press the day + or day – display buttons to increase or decrease the day that is showing on the clock.

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, the 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 47*.

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.
- Objects are located on the rear shelf of the vehicle.
- Satellites are being repaired or improved.
- After-market glass tinting has been applied to the vehicle's rear windshield.

Notice: Do not apply after-market glass tinting to the vehicle's windows. Glass tinting interferes with the system's ability to receive GPS signals and causes the system to malfunction. The window might have to be replaced to correct the problem. This would not be covered by the warranty.

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 could be inaccurate due to one or more of the following reasons:

- The road system has changed.
- Driving on slippery road surfaces such as in sand, gravel and/ or snow.
- Traveling on winding roads or long straight roads.
- 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.
- Traveling at high speed.
- The vehicle changes directions more than once, or when 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.
- The first navigation use after the map data is updated.
- The 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 45* for more information.

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

If the System Needs Service

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

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. This helps the center make sure that the correct and most up-to-date DVD map disc for the vehicle is received. See "Vehicle Identification Number (VIN)" in the Index of the vehicle's owner manual for more information.

After receiving the updated disc, see "Installing the DVD Map Disc" and "Ejecting the DVD Map Disc" under *Maps on page 45* for more information.

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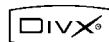
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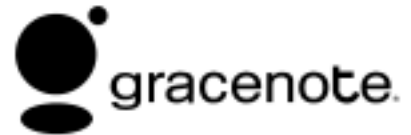
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The information in this manual supplements the owner manual. This manual includes the latest information available at the time it was printed. We reserve the right to make changes in the product after that time without notice.

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.



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NOTE: This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generated, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer on an experienced radio/TV technician for help.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

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 76* 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 ignition is on or when Retained Accessory Power (RAP) is active. See "Retained Accessory Power RAP" in the index of the vehicle's owner manual for more information.

Using Voice Recognition

1. Press and release the  steering wheel control 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 *Configure Menu on page 65* 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  steering wheel control 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 control button cancels the session.
3. Press and release the talk symbol steering wheel control button to restart the voice recognition session.

Helpful Hints for Speaking Commands

- When a multiple command is available, choose the command that best works for you.
- Words that are in brackets are optional. For example, the command "Radio [band] FM", saying "Radio FM" or "Radio Band FM" are both valid commands.
- Words that are separated by a (/) mean there is a choice of using a word on either side of the slash. For example, 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.
 - 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 (Latin). The system only recognizes commands based on the language selected.
 - To increase or decrease the voice volume during a voice recognition session, turn the volume knob of the radio, or press the volume steering wheel control 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, XM if equipped), 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 instruction 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 (if equipped) 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.

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 meters (0.50 mile) 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 gas station[s], navigation show gas, navigation hide gas station[s], navigation hide gas: These commands instruct the system to display and hide gas station POIs on the map screen.

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

**Navigation show ATM[s],
navigation hide ATM[s]:**

These commands instruct the system to display and hide ATM POIs on the map screen.

**Navigation show hotel[s],
navigation hide hotel[s]:**

These commands instruct the system to display and hide hotel POIs on the map screen.

**Navigation show airport[s],
navigation hide airport[s]:**

These commands instruct the system to display and hide airport POIs on the map screen.

**Navigation show shop[s],
navigation show shopping,
navigation hide shop[s],
navigation 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.

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 the 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 located in the displayed state, then say the desired city name. Otherwise, say "Change State" and say the state name the search should take place

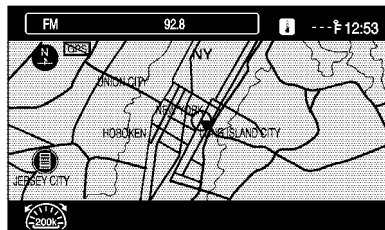
in. Then, say the desired city name when prompted, and say the desired street name and house number when prompted.

For example, if Cedar Point Amusement Park is the set destination, which has the following address:

Cedar Point Amusement Park
1 Cedar Point Drive
Sandusky, OH 44870

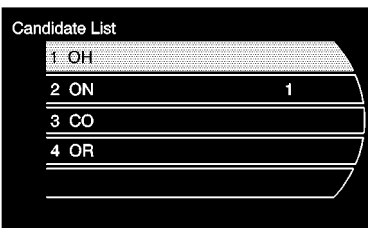
Set this Destination by using Voice Recognition:

1. Press and release  on the 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 list 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".

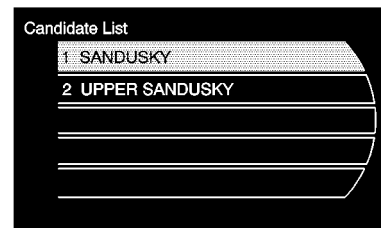


For example, if the desired destination is in Ohio, but the system shows New York (NY) in the pop-up list, say “Change State”.

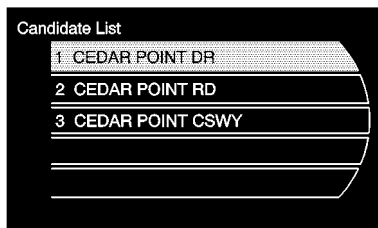
3. After saying, “Change State”, the system replies with “Please say state name”. Say the correct state.



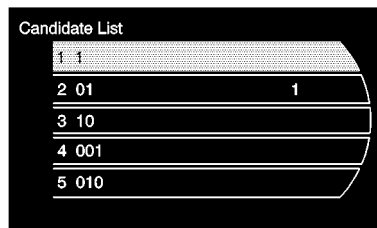
The state name displays. In some cases the radio shows a candidate list with the closest matches to the spoken state name. The system asks the user to select an item from the candidate list either by pressing the desired choice, or by saying the list number of the desired choice.



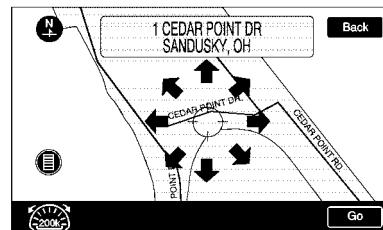
4. The system asks the user to say the city name. As shown earlier, the radio can display a candidate list with the closest matches to the spoken city name. Say the correct city name.



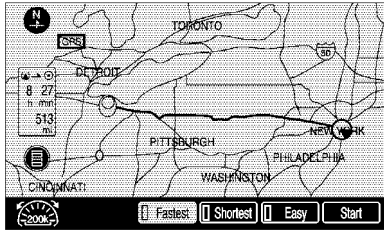
5. Reply with the street name including the suffix (Blvd, Ave, Rd, etc.), when prompted. The radio might display a candidate list with the closest matches to the spoken street name. Say the correct street name.



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 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 the Address Book and Voice tag sections earlier in this manual for information about 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 connect to OnStar. Enter the OnStar voice recognition system. See the OnStar® System owner guide for more information.

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 <channel> 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 [GAS/gas station/gas stations]
 Navigation show [DINING/restaurant/restaurants]
 Navigation show [ATM/ATMs]
 Navigation show [hotel/hotels]
 Navigation show [airport/airports]
 Navigation show [shop/shops]

Navigation hide [GAS/gas station/gas stations]

Navigation hide [DINING/restaurant/restaurants]

Navigation hide [ATM/ATMs]

Navigation hide [hotel/hotels]

Navigation hide [airport/airports]

Navigation hide [shop/shops]

Destination and Guidance Commands

Navigation [go to] preset destination [number] one

Navigation [go to] preset destination [number] two

Navigation [go to] preset destination [number] three

Navigation [go to] preset destination [number] four

Navigation [go to] preset destination [number] five

Navigation [go to] preset destination [number] six

Navigation delete [destination/route/next waypoint]

Destination (used in conjunction with another command)

Route (used in conjunction with another command)

Next waypoint (used in conjunction with another command)

Add to waypoint (used in conjunction with another command)

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

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