

VAUXHALL Ampera

**Infotainment Manual
Model Year 2013
Edition: June 2012
TS 1711-A-13**

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Introduction

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Introduction

The information in this manual supplements the Owner's Manual.

This manual describes features that may or may not be on your specific vehicle either because they are optional or due to changes subsequent to the printing of this manual. Please refer to the purchase documentation to confirm each of the features found on the vehicle.

Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment, or accessories.

This manual depicts left-hand drive vehicles. Operation is similar for right-hand drive vehicles.

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

Theft-deterrent feature

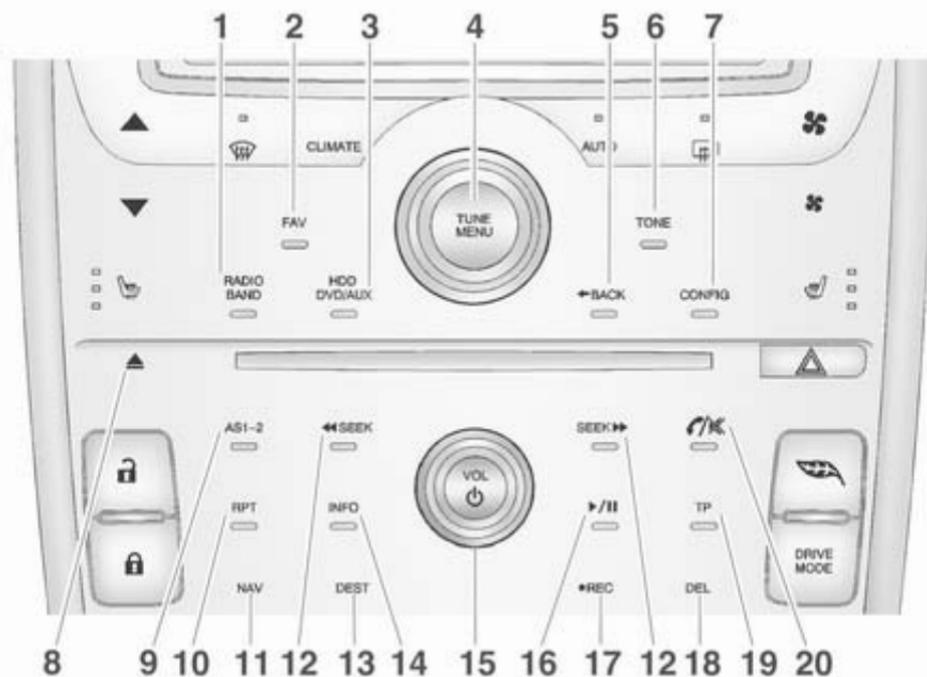
The theft-deterrent feature works by learning a portion of the Vehicle Identification Number (VIN) to the infotainment system. The infotainment system does not operate if it is stolen or moved to a different vehicle.

Control elements overview

Control elements overview (with navigation)

See "Navigation buttons" under "Using the navigation system"
 ⇨ 50 for more information.

Control elements overview



4 Introduction

- | | | |
|---|--|--|
| <p>1. RADIO BAND (AM or FM) 19</p> <p>2. FAV (Favourites) 19</p> <p>Press to display the current page number above the preset buttons. The stored stations for each list are displayed on the touch-sensitive preset buttons at the bottom of the screen.</p> <p>3. HDD/DVD/AUX (Source) 19</p> <p>Press to change audio sources, e.g. AM-FM radio, CD/DVD, USB and AUX.</p> <p>4. TUNE/MENU 19</p> <p>Turn to highlight a feature. Press to activate the highlighted feature.</p> <p>Turn to manually select a radio station.</p> | <p>5. ◀BACK 50</p> <p>Press to return to the previous screen in a menu.</p> <p>If on a page accessed directly by a faceplate button or Home page screen button, press ◀BACK to return to previous menu.</p> <p>6. TONE 16</p> <p>Press to access the sound menu screen to adjust bass, midrange and treble.</p> <p>7. CONFIG (Configure) 70</p> <p>Press to adjust features for radio, display, phone, vehicle and time.</p> <p>8. ▲ (Eject) 28</p> <p>Press to eject a disc from the CD player</p> <p>9. AS 1–2 (Autostore) 19</p> <p>Autostore pages</p> | <p>10. RPT (Repeat) 50</p> <p>Press to repeat the last voice guidance prompt.</p> <p>11. NAV (Navigation) 50</p> <p>Press to view the navigation map screen or to change between a map/ audio split view or a full map view.</p> <p>12. ◀◀SEEK or SEEK▶▶ (Seek Down/Seek Up) 19</p> <p>Press to seek the previous/next track.</p> <p>Press and hold to quickly reverse/fast forward through a track. Release the button to return to playing speed.</p> <p>For AM or FM, press to seek the previous/next strong station 19</p> |
|---|--|--|

13. DEST (Destination) 50
Press to plan a route. If route guidance is active, press to access the **Route** menu.
14. INFO (Information) 50
15. VOL/⏻ (Volume/Power) 19
Press to switch the Infotainment system on and off.
Turn to adjust the volume.
16. ▶/⏸ (Play/Pause) 28
Press to start, pause and resume playback.
17. ●REC 37
Press to record a song or all songs to the hard drive.
18. DEL (Delete) 37
Press to delete a song or a list from the hard drive.
19. TP (Traffic Programme) 50
Press to access the Traffic Programme.
20. 📶/🔇 (Phone/Mute) 81
Bluetooth

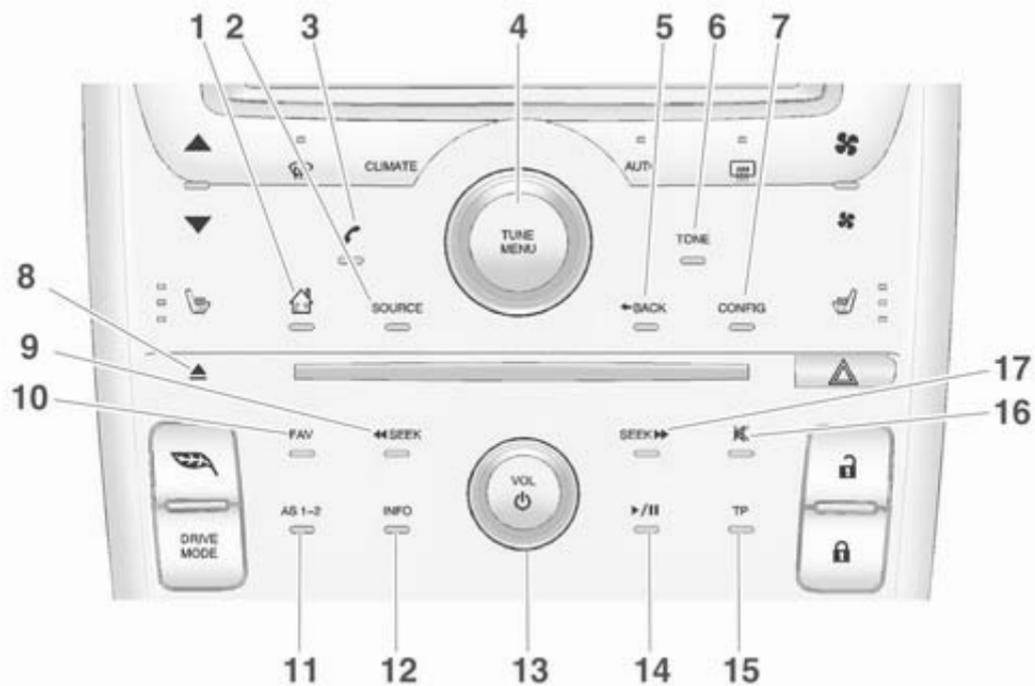
Control elements overview (without navigation)

Infotainment system overview

The infotainment system in the vehicle is controlled by using the **TUNE/MENU** knob, preset buttons and other buttons on the faceplate.

The **TUNE/MENU** knob can be turned and then pressed to complete any of the highlighted screen functions.

The preset buttons can be pressed to select the appropriate screen button function as shown on the display.



- | | | |
|---|--|---|
| <p>1.  (Home Page) 8</p> <p>2. SOURCE 19</p> <p>Press to change audio sources, e.g. AM-FM radio, CD and AUX.</p> <p>3.  (Phone) 81</p> <p>Bluetooth</p> <p>4. TUNE/MENU 19</p> <p>Turn to highlight a feature. Press to activate the highlighted feature.</p> <p>Turn to manually select a radio station.</p> <p>5.  BACK 50</p> <p>Press to return to the previous screen in a menu.</p> <p>If on a page accessed directly by a faceplate button or Home page screen button, press  BACK to return to previous menu.</p> | <p>6. TONE 16</p> <p>Press to access the sound menu screen to adjust bass, midrange and treble.</p> <p>7. CONFIG (Configure): 70</p> <p>Press to adjust features for radio, display, phone, vehicle and time.</p> <p>8.  (Eject) 28</p> <p>Press to eject a disc from the CD player</p> <p>9.  SEEK (Seek Down) 28</p> <p>Press to seek the previous track.</p> <p>Press and hold to quickly reverse forward through a track. Release the button to return to playing speed.</p> <p>For AM or FM, press to seek the previous strong station 19</p> | <p>10. FAV (Favourite Pages 1-6): . . 19</p> <p>Press to display the current page number above the preset buttons. The stored stations for each list are displayed on the touch-sensitive preset buttons at the bottom of the screen.</p> <p>11. AS 1–2 19</p> <p>Autostore pages</p> <p>12. INFO (Information) 19</p> <p>Press to toggle through an audio information screen.</p> <p>13. VOL/ (Volume/Power) 19</p> <p>Press to switch the Infotainment system on and off.</p> <p>Turn to adjust the volume.</p> <p>14.  /II (Play/Pause) 28</p> <p>Press to start, pause and resume playback.</p> |
|---|--|---|

15. TP (Traffic Programme) 50

Press to access the Traffic Programme.

16.  (Mute) 817. SEEK  (Seek Up) 28

Press to seek the next track.

Press and hold to quickly fast forward through a track. Release the button to return to playing speed.

For AM or FM, press to seek the next strong station .. 19

Steering wheel controls



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

 (Push to talk): For vehicles with Bluetooth or navigation system, press to interact with those systems. Bluetooth  81.

 (End call/mute): Press to silence the vehicle speakers only. Press again to turn the sound on. For vehicles with the Bluetooth system, press to reject an incoming call or end a current call.

 **SRC** (Rotary control): press  or  to select a radio band or audio source.

Turn  or  to select the next or previous Favourite radio station, CD track, DVD track/chapter or MP3 track.

Press **SRC** to change between radio and CD or DVD.

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

Usage

Overview (with navigation)

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

The navigation system includes navigation and audio functions.

⚠ Warning

The usage of the navigation system does not release the driver from responsibility for a correct, vigilant attitude in road traffic. The related traffic regulations must always be followed.

Only make entries (e.g., addresses) with the vehicle stationary.

If a navigation instruction contradicts traffic regulations, the traffic regulations always apply.

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

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

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

⚠ Warning

The infotainment system has to be used so that the vehicle can be driven safely at all times. If in doubt

stop your vehicle and operate the infotainment system while the vehicle is stationary.

Use the navigation system to:

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

⚠ Warning

In some areas one-way streets and other roads and entrances (e.g. pedestrian zones) that you are not allowed to turn into are not marked on the map. In such areas the infotainment system will issue a warning that must be accepted. Here you must pay particular

attention to one-way streets, roads, and entrances that you are not allowed to drive into.

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

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

After acknowledging the start up information, the **NAV** (Navigation) and **DEST** (Destination) functions are accessible. Information can now be

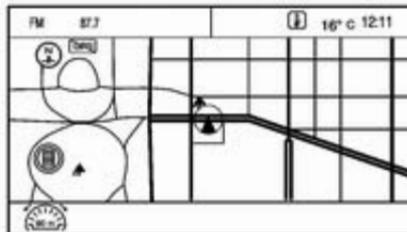
entered or deleted and other functions accessed. See instructions later in this section.

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

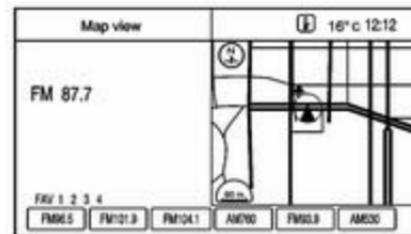
When getting started, set preferences or delete information in the navigation system using various options.

NAV (navigation) menu

Use the navigation menu screen to access the navigation system settings ↷ 50.

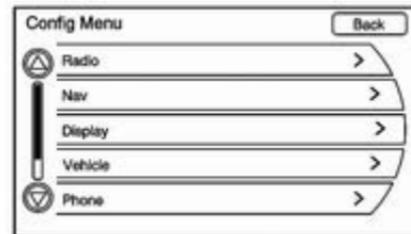


- Press the **NAV** button to view the navigation map screen. The map and the current vehicle location display.



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

Config Menu



Press the **CONFIG** button to display the **Config Menu**. The **Config Menu** is used for changing the settings for the audio, navigation display, phone, vehicle configuration and time features.

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

Languages

To change the display language, see “Vehicle personalisation” in the vehicle Owner’s Manual.

The vehicle supports English, French, Spanish, German, Italian, Swedish, Dutch, Polish, Hungarian, Czech, Slovak, Danish, Portuguese, Norwegian, Finnish and Turkish. The default language is English.

English and metric unit conversion

To change the display readings between English and metric units, see “Driver Information Centre (DIC)” in the Owner’s manual.

Deleting personal information

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

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

- **Last destinations**
- **Address book, Favourite route, Preset Destinations and HDD Music Files**

Storing radio station presets

Up to 36 preset stations can be stored.

1. Press **VOL/⊕** to turn the system on.

If viewing a map screen, press the **RADIO BAND** button.

2. Select the band.

3. Seek or tune to the desired station to select it.

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

5. Repeat the steps for each preset.

To change the number of preset pages, see “Mixed-band presets” under AM-FM radio ↻ 19.

Entering an address and point of interest and storing preset destinations

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

Entering an address

To more easily find a city or a street name:

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

To set a destination by entering a street name:

1. Press the **DEST** button.
2. Press the **Enter address** button on the touch screen.
3. Select the street name field. Enter the street name. Do not enter directional information or street type. Use the space **␣** screen button between street and city names. Use the backspace **⬅** screen button to delete an incorrect character.

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

4. Press the country name field on the touch screen to change it. The last country name is automatically recalled.
5. Select the city from the list or enter the city name.
6. Enter the house number. This field is automatically selected.

7. Press the **Ok** screen button. The address information screen displays the address entered.
8. Press the **Start** screen button if correct. The route will calculate.
9. Select the route preference for **Fast**, **Short** or **Easy**. The system highlights the route.
10. Press the **Start** screen button and the route is calculated.
“Address entry” under Destination ⇨ 61.

Entering a point of interest (POI)

To set a destination by entering a point of interest (POI):

1. Press VOL/⏻ to turn the system on.
2. A caution could appear. Press **Ok** to proceed.
3. Press the **DEST** button.
4. Press the **Points of Interest** screen button.
5. Enter the specific title of the POI in the POI name space. If four or fewer names are available, a list displays.

If more than four are available, there is a match counter with a number in it, representing the number of available POI names. Press the **List** screen button to view the list. Select the POI.

6. Press the **Start** screen button. The system calculates the route.
7. Select the route preference for **Fast**, **Short** or **Easy**. The system highlights the route.
8. Press the **Start** screen button. The route is now ready to be started.

Destination ⇨ 61.

Storing preset destinations

1. Press VOL/⏻ to turn the system on.
2. If a caution appears, press the **Ok** screen button to proceed.
3. Press the **DEST** button.
4. Enter a destination. Destination ⇨ 61.
5. Press **Save** from the map screen to add the current final destination to the address book.

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

The address book entry name appears in that preset destination screen button and is now available to select from the **Enter destination** screen. See “Using the stored preset destinations” next in this section to select it as a destination.

“Preset destination” under Destination ⇨ 61.

Using the stored preset destinations

These destinations are available for selection while driving.

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

“Preset destination” under Destination ⇨ 61.

Cancelling guidance

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

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

Voice guidance

To adjust the volume of voice guidance prompts:

1. Press the **CONFIG** button to enter the menu features.
2. Turn the **TUNE/MENU** knob until **Nav** displays.

3. Press the **TUNE/MENU** knob to select **Nav** or press the **Nav** screen button to display more options within that feature.
 4. Press **Voice prompt**.
 5. Press **Voice volume**.
 6. Press + or – screen buttons to increase or to decrease the volume of the voice prompts.
- Usage ⇨ 50.

Cleaning the display

Note

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

Do not wipe the centre stack with a hard cloth or use a volatile liquid; it could scratch the surface or erase the characters on the buttons.

Overview (without navigation)

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

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

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

⚠ Warning

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

Infotainment control buttons

The buttons on the faceplate are used to start primary functions while using the Infotainment system ↪ 2.

Touch screen buttons

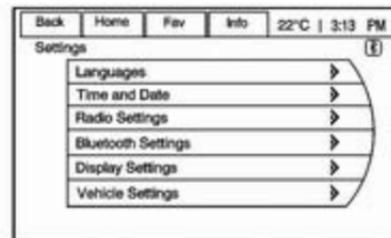
Touch screen buttons are on the screen and highlighted when a feature is available. Some toggle screen buttons highlight when active and grey out when inactive.

Home page features

Various functions are disabled when the vehicle is moving.

Press the screen button for **Now Playing** to display the active source page. The sources available are AM, FM, CD, USB/iPod and AUX.

Press the **Phone** screen button to display the **Phone** main page. Bluetooth ↪ 81.



Press the screen button for **Config** to display the **Config** main page. From this display, you can adjust features such as time and date, radio, phone, vehicle and display.

Press the **Tone** screen button to display the **Tone** main page. Adjust the tone and speakers by pressing the screen buttons to change the levels of sound for treble, midrange, bass, fade and balance. Tone settings ↪ 61.

Press the **FM** screen button to display the **FM** main page and play the current or last tuned FM station. AM-FM radio ⇨ 19.

Press the **AM** screen button to display the **AM** main page and play the current or last tuned AM station. AM-FM radio ⇨ 19.

Press the **CD** screen button to display the **CD** main page and play the current or last CD track selected. CD player ⇨ 28.

Press the **USB** screen button to display the **USB** main page and play the current or last track selected ⇨ 45.

Press the **AUX** screen button to access any connected auxiliary device. Auxiliary devices ⇨ 45.

Time and Date Settings

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

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

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

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

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

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

Radio Setting

Press the button for **Config** on the Home page or the **CONFIG** button on the faceplate to enter the menu options. Turn the **TUNE/MENU** knob or touch-tap the scroll bar to scroll through the available options. Press the **TUNE/MENU** knob or press **Radio Setting** to display the radio settings menu. Press this feature to make changes for radio information displayed, preset pages and **Radio Setting**.

The **Radio Setting** are:

Speed dependent volume ⇨ 17.

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

Radio Favourites: Press to select the **Number of radio FAV pages** to be used in the system.

Phone settings

Bluetooth ⇨ 81.

Vehicle settings

See "Vehicle Personalisation" in the vehicle Owner's Manual for more information.

Display settings

Press the **Config** button on the Home page or the **CONFIG** button on the faceplate, then select **Display Setting** from the list.

The following options may display:

Display options: Press to change the screen background. The **Automatic** setting adjusts the screen background automatically depending on the exterior lighting conditions.

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

Languages

The vehicle supports the following languages:

- English
- Spanish
- French
- German
- Italian
- Swedish
- Dutch
- Polish
- Hungarian
- Czech
- Slovak
- Danish

- Portuguese
- Norwegian
- Finnish
- Turkish

Turn the **TUNE/MENU** to highlight the language. Press **TUNE/MENU** to change the display language. The default language is English.

To change the display language, see “Vehicle Personalisation” in the vehicle Owner’s Manual for more information.

English and metric unit conversion

To change the display readings between English and metric units, see “Driver Information Centre (DIC)” in the vehicle Owner’s Manual for more information.

Tone settings

Navigation audio system

Sound settings menu

To access the **Sound settings** menu, press the **TONE** button.

Use the **Sound settings** menu to adjust the following features:

- Setting the tone
- Adjusting the speakers

Setting the tone

To adjust the tone using the **Sound settings** menu:

- **Bass:** Press + or – to change the level.
- **Middle** (Midrange): Press + or – to change the level.
- **Treble:** Press + or – to change the level.

Adjusting the speakers

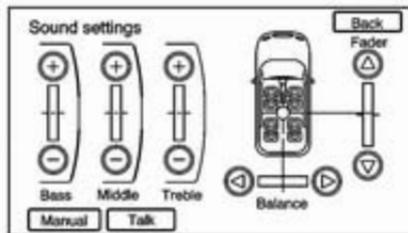
To adjust the speaker balance using the **Sound settings** menu:

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

To adjust the speaker fade:

Press and hold Δ for more sound from the front speakers and ∇ for more sound from the rear speakers. The middle position balances the sound between the front and rear speakers.

EQ settings

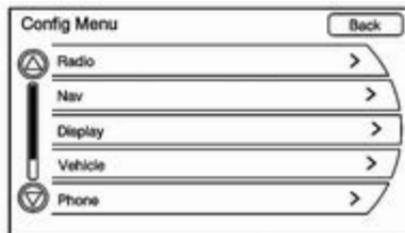


EQ settings (Equalization): The EQ settings are selected through the **Sound settings** menu. If the vehicle is equipped with the Bose® Energy Efficient Series sound system, EQ provides a choice of **Manual** or **Talk** settings.

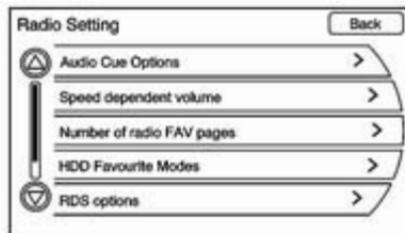
Volume settings

Different volume settings are available in the **Radio** menu

There are two ways to access the **Radio** menu:

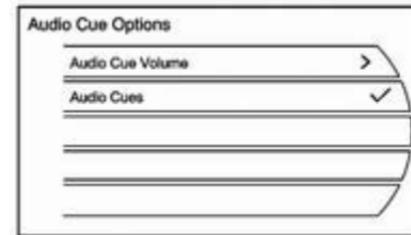


- Press the **CONFIG** button, then press the **Radio** screen button.



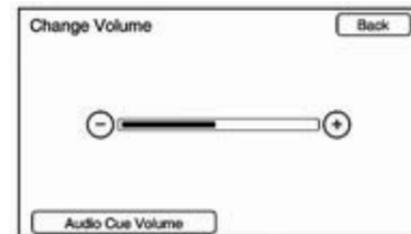
- Turn the **TUNE/MENU** knob until **Radio** displays. Press the **TUNE/MENU** knob to select **Radio** or press the **Radio** screen button to display more options within that feature.

Audio Cue Options



This menu allows changes to the audio cue features.

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

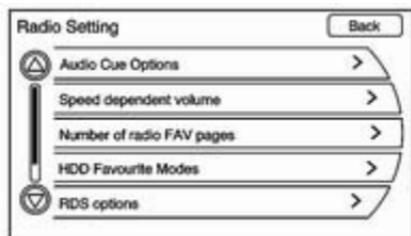


Audio Cue Volume: Press the + or – screen buttons to adjust the audio cue volume. The **Audio Cue Volume** has a minimum volume. A **Limit reached** pop-up will display when the volume has been changed to less than the minimum volume.

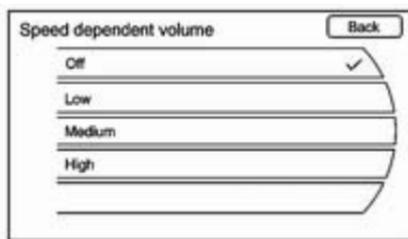
Press the **Audio Cue Volume** screen button to hear the selected sound level.

The **Audio Cues** can also be changed by adjusting the **TUNE/MENU** knob.

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



Speed dependent volume



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

Startup Volume

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

Radio

AM-FM radio	19
Radio reception	27
Multi-band antenna	27

AM-FM radio

AM-FM radio (with navigation)

Playing the radio

Audio source menu

VOL/⊕ (volume/power):

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

The steering wheel controls can also be used to adjust the volume. Steering wheel controls ↻ 2 for more information.

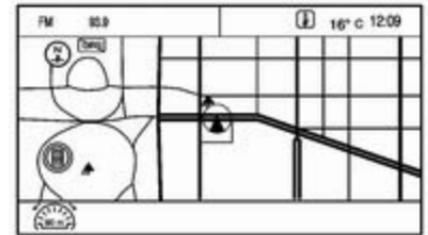
TUNE/MENU: Turn this knob to change the radio station. See “Finding a station” following for more information.

RADIO/BAND: Press to select the AM, FM or DAB (Digital Audio Broadcasting).

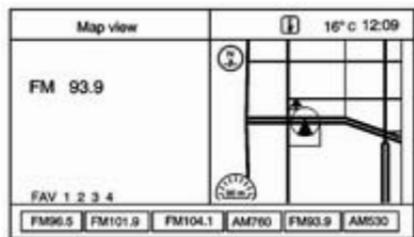
The audio sources can also be changed by using the steering wheel controls. Steering wheel controls ↻ 2 for more information.

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

TP (Traffic programme): Press **TP** to change the setting of the radio traffic service.



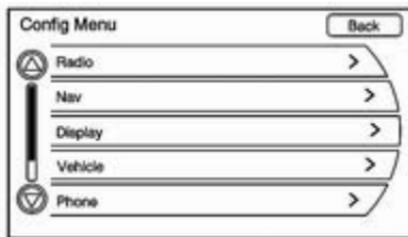
If the audio source is on while viewing a map screen, a source indicator button displays at the top of the map screen.



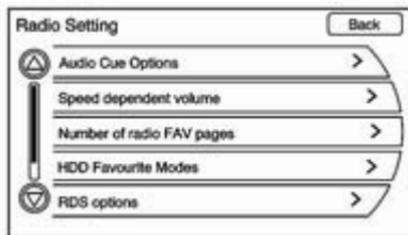
Press the source indicator button to display the current audio source screen. The display shows a split screen with the audio source screen on the left side and the map or guidance screen on the right side. Press the **Map view** screen button to exit the split view screen.

Radio menu

There are two ways to access the **Radio** menu:



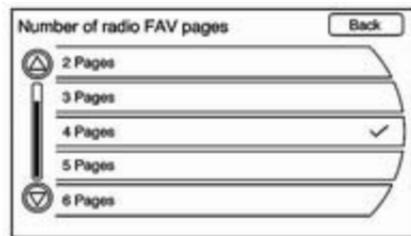
- Press the **CONFIG** button, then press the **Radio** screen button.



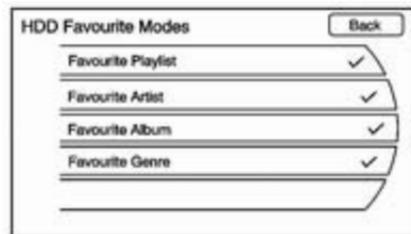
- Turn the **TUNE/MENU** knob until **Radio** displays. Press the **TUNE/MENU** knob to select **Radio** or press the **Radio** screen button to display more options within that feature.

Number of radio FAV pages

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



HDD Favourite Modes



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

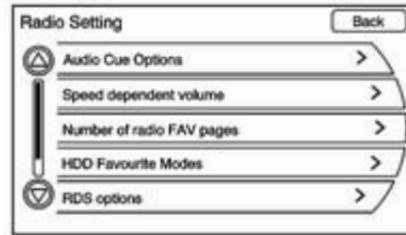
DivX® VOD

1. Press the **DivX(R) VOD** screen button to display the **DivX(R) Video on Demand** menu.



2. Press the **Registration code** screen button to display the **Registration code** information.
3. Press the **Deactivation Option** to unregister this device.

RDS options



Selects the **RDS options** for the FM tuner.

Finding a station

To select the band, see "Audio source menu" in this section.

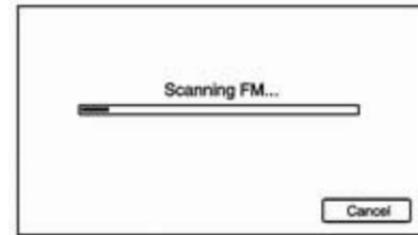
Turn the **TUNE/MENU** knob to find a radio station. To select a preset station, press the corresponding preset button.

See "Mixed-band presets" following for more information.

Seeking a station

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

Local station list search



To find a list of local stations in the current band, press **TUNE/MENU**. 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 display on the preset buttons at the bottom of the screen. The number of preset **FAV** lists can be changed.

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

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

To recall a preset station from a **FAV** page:

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

Timeshift

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

The recording allows playback of content that was missed.

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

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

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

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

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

Radio data system (RDS)

TP (Traffic programme): Radio traffic service stations are RDS stations that broadcast traffic news.

Switching the radio traffic service on and off

To switch the traffic announcement standby facility of the Infotainment system on and off:

- Press the **TP** button. If the radio traffic service is switched on, **TP** is illuminated on the display.
- Only radio traffic service stations are received.
- If the current station is not a radio traffic service station, a search is started automatically for the next radio traffic service station.
- If a radio traffic service station has been found, **TP** is illuminated on the display.

- Traffic announcements are played at the set voice volume by pressing the **CONFIG** button and selecting the **Nav** screen button and then the **Voice prompt** screen button.
- If the radio traffic service is switched on, the replay of CDs/ DVDs and of external sources is interrupted for the duration of the traffic announcement.

Listening to traffic announcements only

Switch on the radio traffic service and turn down fully the volume of the Infotainment system.

EON (enhanced other networks)

With EON you can listen to radio traffic announcements even if the station you have set does not broadcast its own radio traffic service. If such a station is set, it is displayed as **TP**.

Radio data system (RDS)

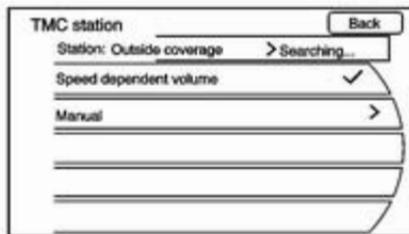
Radio data system (RDS) is a service of the FM stations that helps to find the desired station and its fault-free reception. RDS stations are

recognised by the programme names rather than the transmission frequency.

Configuring RDS

To open the menu for the RDS configuration:

1. Press the **CONFIG** button.



2. Select **Radio** and then **RDS options**.

Switching RDS on and off

Set **RDS** to **On** or **Off**. The following advantages result through activating RDS:

- On the display the programme name of the set station appears instead of its frequency.

- The Infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF (Alternative Frequency).
- Depending on the station that is received, the Infotainment system displays radio text that can contain, for example, information about the current programme.

Switching regionalisation on and off

RDS must be activated for regionalisation. At certain times some RDS stations broadcast regionally different programmes on different frequencies.

1. Set **Regional** to **On** or **Off**. Only alternative frequencies (AF) with the same regional programmes are selected.
2. If regionalisation is switched off, alternative frequencies of the stations are selected without regard to regional programmes.

RDS scrolling text

Some RDS stations use the lines for indicating the name of the programme to indicate additional information. During this process the programme name is hidden. To block out the display of the additional information, set text scroll freeze to **On**.

DAB

The digital radio system DAB (digital audio broadcasting) is a universal broadcast system.

DAB stations are indicated by the programme name instead of the broadcasting frequency.

General information

- With DAB, several radio programmes (services) can be broadcast on a single frequency.
- Besides high-quality digital audio services, DAB is also able to transmit programme-associated data and a multitude of other data services including travel and traffic information.

- As long as a given DAB receiver can pick up the signal sent out by a broadcasting station (even if the signal is very weak), sound reproduction is ensured.
- There is no fading (weakening of the sound) that is typical of AM or FM reception; the DAB signal is reproduced at a constant volume.
- If the DAB signal is too vague to be interpreted by the receiver, reception is interrupted completely. This incident can be avoided by activating **Auto ensemble linking** and/or **Auto linking DAB-FM**. See "Configuring DAB" below.
- Interference caused by stations on nearby frequencies (typical of AM and FM reception) does not occur in connection with DAB.
- If the DAB signal is reflected by natural obstacles or buildings, the reception quality of DAB is improved, whereas AM or FM reception is considerably worsened in such cases.
- The radio is also capable of receiving DAB+ and DMB-Audio.

Configuring DAB

1. Press the **CONFIG** button.
2. Select **Radio** and then **DAB**.

The following options are available for selection in the configuration menu:

- **Auto ensemble linking:** with this function activated, the device switches over to another service of the active DAB ensemble (if available) when the DAB signal is too vague to be interpreted by the receiver.
- **Auto linking DAB-FM:** with this function activated, the device switches over to a corresponding FM station of the active DAB service (if available) when the DAB signal is too vague to be interpreted by the receiver.
- **Dynamic audio adaptation:** with this function activated, the dynamic range of the DAB signal is reduced. That means the level of the loud sounds is reduced, but not the level of the quiet sounds. Therefore the volume of the Infotainment system

can be raised to a point where the quiet sounds are audible, without the loud sounds being too loud.

- **Frequency band:** after selection of this option, DAB wavebands to be received by the Infotainment system can be defined.

DAB announcements

Besides their music programmes, numerous DAB stations broadcast various announcement categories. Radio or CD/MP3 playing is interrupted when any announcements are pending.

To select several announcement categories at the same time:

1. Select **DAB announcements**.
2. Activate the desired announcement categories.

AM-FM radio (without navigation)

Playing the radio

Audio source

VOL/⊕ (volume/power):

1. Press to turn the radio on or off.
2. Turn to increase or decrease the volume of the active source (i.e., current audio source, active navigation voice guidance or traffic prompts).

The steering wheel controls can also be used to adjust the volume. Steering wheel controls ⇨ 2.

To access the radio main page, press the **SOURCE** button on the faceplate, the **Now Playing** screen button or one of the audio screen buttons on the Home page.

While on the audio main page, press the **Source** button repeatedly to display and cycle through the available sources (AM, FM, CD, USB/iPod and AUX).

Finding a station

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

Turn the **TUNE/MENU** knob to find a radio station. To select a preset station, touch the **FAV** button and choose a preset button.

Seeking a station

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

AM

1. Press the **AM** screen button on the Home page or select **AM** from the source pop-up to display the **AM** main page.
2. From the **AM** screen, press the **Menu** screen button to display the AM stations.
3. Select the desired option. To update the station list, touch **Refresh**.

FM

1. Press the **FM** screen button on the Home page or select **FM** from the source pop-up to display the **FM** main page.

2. From the **FM** screen, select the **Menu** screen button to display the FM stations.
3. Select the desired option. To update the station list, touch **Refresh**.

Changing the sources

To change audio sources from any of the audio main pages (AM, FM, CD, USB/iPod or AUX), press the **SOURCE** button on the faceplate or the **Source** screen button to display a pop-up of available audio sources. Press the **SOURCE** button on the faceplate repeatedly to change the desired source.

Storing radio station presets

There are a few ways to store presets.

Up to 36 preset stations can be stored. AM and FM can be mixed.

1. From the **AM** or **FM** main page, select by turning the **TUNE/MENU** knob, then press and hold the knob on one of the preset screen buttons located at the bottom of the screen. After a few

seconds, a beep will be heard and the new preset information will display on that screen button.

2. Select and hold a preset button to store the currently active station. After a few seconds, a beep will be heard and the new preset information will display on a small pop-up display at the bottom of the screen.

3. Repeat the steps for each preset.

To change the number of preset pages, see "Mixed-Band Presets" following for more information.

Recalling a preset station

To recall a preset station from a **FAV** page, do the following:

- Press the **FAV** button on the faceplate to display the **FAV** pop-up. Select the desired preset from the pop-up.
- Press the **FAV** screen button at the top bar to display the preset pop-up that appears at the bottom of the

page. Press one of the preset screen buttons to go to the selected preset station.

- In the **AM** or **FM** main page, select one of the preset screen buttons to go to the selected preset station.

Mixed-Band Presets

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 located on the faceplate or select the **FAV** screen button on the top bar. The current page number displays above the preset buttons. The stored stations for each **FAV** page display on the preset buttons at the bottom of the screen. The number of **FAV** pages displayed can be changed in the **Radio Setting** in the **Config Menu**.

Digital Audio Broadcasting (DAB)

DAB is available on some stations and is indicated when the station name is displayed and not the frequency.

Traffic Programme (TP)

Traffic programming stations are RDS stations that broadcast traffic news. To access, press the TP button.

Radio reception

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

FM

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

AM

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

Mobile phone usage

Mobile phone usage can cause interference with the vehicle's radio.

Multi-band antenna

The multi-band antenna is located on the roof of the vehicle. The antenna is used for the AM/FM radio and GPS (Global positioning system); if the vehicle has these features. Keep the antenna clear of obstructions for clear reception. If the vehicle has a sunroof and it is open, the performance of the AM/ FM radio and GPS can be affected.

Diversity antenna system

The FM antenna is a hidden self-tuning system. It optimizes the FM signals relative to the vehicle's position and radio station source. No maintenance or adjustments are needed.

Audio players

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CD player

The player can be used for CD and MP3s.

With the ignition on, insert a CD into the slot, label side up. The player pulls it in and begins playing.

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

The system is capable of playing:

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

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

To avoid damage to the CD player:

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

If a description label is needed, try labelling 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. The player pulls it in the rest of the way. If the disc is damaged or improperly loaded, there is an error and the disc ejects.

The disc automatically plays once loaded.

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

Playing an audio CD

1. Press the **CD** screen button on the Home page or select **CD** from the source pop-up to display the **CD** main page.
2. From the **CD** screen, press the **Menu** screen button to display the menu options.
3. Press to select the desired option.

On the **CD** main page 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:

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

◀SEEK (**Seek Down**):

- Press to seek to the beginning of the current or previous track. If the track has been playing for less than

five seconds, it seeks to the previous track. If longer than five seconds, the current track starts from the beginning.

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

SEEK ▶▶ (**Seek Up**):

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

TUNE/MENU:

Turn to the right or left to select the next or previous track. Press this knob to select the list. If a track is selected from the menu, the system plays the track and returns to the **CD** screen.

Error Messages

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

- The disc has an invalid or unknown format.
- The disc is not from a correct region.
- The disc is very hot. Try the disc again when the temperature returns to normal.
- The road is very rough. Try the disc again when the road is smoother.
- The disc is dirty, scratched, wet or upside down.
- The air is very humid. Try the disc again later.
- There was a problem while burning the disc.
- The label is caught in the CD player.

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

If any error continues, contact your dealer.

CD/DVD player

CD/DVD player (with navigation)

The player can be used for CD, MP3 and 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 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.
- Use a marking pen to label the top of the disc.

Loading and ejecting discs

To load a disc:

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

The disc automatically plays once loaded.

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

Playing a CD/DVD

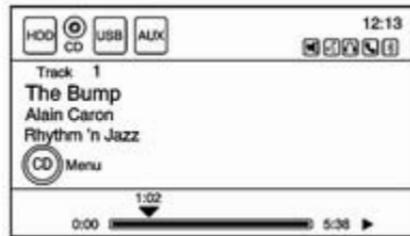
A disc must be loaded to select the source.

When a disc is loaded, the disc icon displays.

There are two ways to play a CD/DVD:

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

Playing an audio CD



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

Use the following controls to play the disc:

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

SEEK ►►:

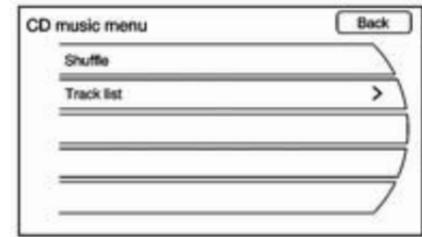
- Press to seek to the next track.
- Press and hold to fast forward through a track. Release the button to return to playing speed. Elapsed time displays.

◀◀ SEEK:

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

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

CD menu



Press the **CD menu** screen button to display the **CD menu**.

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

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

Playing an audio and video DVD

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



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

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

DVD options

Full screen mode:

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

Cursor:

Press 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 screen buttons to navigate through the DVD menu.

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

SEEK ▶▶:

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

◀◀ SEEK:

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

TUNE/MENU: Press **◀◀ SEEK** or **SEEK ▶▶** to go to the next or previous chapter. You can also change

chapters by turning the **TUNE/MENU** knob after touching the screen.

Stop:

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

⌘ Shuffle:

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

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

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

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

Search: Press to perform a title search.

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

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

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

Pan & Scan: Press to adjust wide-screen film images so that they can be proportioned to fit the DVD screen display. Press this screen button to turn on **Pan & Scan**.

Error messages

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

- The disc has an invalid or unknown format.
- The disc is not from a correct region.
- The disc is very hot. Try the disc again when the temperature returns to normal.
- The road is very rough. Try the disc again when the road is smoother.
- The disc is dirty, scratched, wet or upside down.
- The air is very humid. Try the disc again later.
- There was a problem while burning the disc.
- The label is caught in the CD/DVD player.

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

If any error continues, contact your dealer.

MP3

MP3 formats

There are guidelines that must be met when creating an MP3 disc; otherwise, 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.
- 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.

Playing an MP3 CD (without navigation)

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

If a disc is already loaded and you are listening to a different audio source, press **SOURCE** to change to the disc source. A track number appears on the display when each track starts to play.

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

SEEK ▶▶ (Next/Forward):

1. Press to seek to the next track.
2. Press again to continue moving forward through the disc.

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

◀ SEEK (Previous/Reverse):

1. 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.
2. Press again to continue moving back through the disc.
3. Press and hold this button to reverse quickly through playback.
4. Release the button to return to playing speed. Elapsed time displays.

TUNE/MENU:

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

MP3 music menu

Press the **Menu** screen button while that source is active to access the menu.

Press any of the following buttons on the MP3 menu:

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

Playlists: Press to view the playlists stored on the disc. Select a playlist to view the list of all songs in that playlist. There might be a delay before the list displays. Select a song from the list to begin playback.

Artists: Press to view the list of artists stored on the disc. Select an artist name to view a list of all songs by the

artist. There might be a delay before the list displays. Select a song from the list to begin playback.

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

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

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

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

Root directory

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

Empty folders

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

No folder

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

File system and naming

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

Preprogrammed playlists

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

Playing an MP3 CD and DVD (with navigation)

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



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

To play a disc:

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

SEEK ►►:

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

◀◀ SEEK:

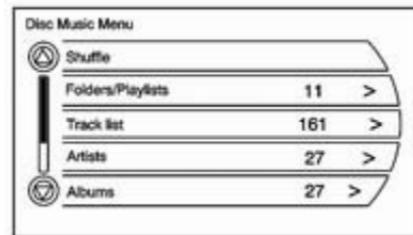
1. Press to seek to the beginning of the current or previous track. If the track has played for less than five seconds, it goes to the previous track. If longer than five seconds, the current track restarts.
2. Press again to continue moving back through the disc.
3. Press and hold this button to reverse quickly through playback.
4. Release the button to return to playing speed. Elapsed time displays.

TUNE/MENU:

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

MP3 Music Menu

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



Press any of the category buttons on the **Disc Music Menu** to display the corresponding category screen:

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

■ **Folders/Playlists**

Press to view the folders stored on the disc. Select a folder to view the list of all songs in that folder. Select the song from the list and it begins to play.

■ **Track list**

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

■ **Artists**

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

■ **Albums**

Press to view the albums on the disc. Select the album to view a list of all songs on the album. Select a song from the list and it begins to play.

■ **Genres**

Press to view the genres on the disc. Select a genre to view a list of all songs of that genre. Select a song from the list and it begins to play.

■ **Song titles**

Press to display a list of all songs on the disc. 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.

Folders

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

Hard drive device

Hard drive device (HDD) (with navigation)

With a hard drive device (HDD), songs can be recorded.

The types of formats supported by the HDD are:

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

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

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



To select the hard drive audio source:

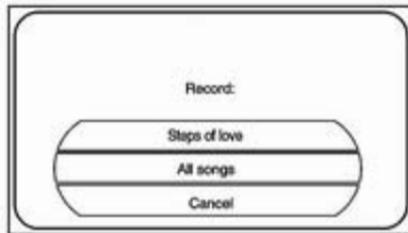
Press the **HDD/DVD/AUX** button; cycle through the available audio source until the HDD sources displays or press the **HDD/DVD/AUX** button once and then press the **HDD** source button.

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 **HDD/DVD/AUX** button until the **DISC** screen displays.
2. Press the **REC** button.
3. A confirmation displays.



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

To record selected tracks from the disc:

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

Recording from a USB device to the hard drive

To copy all tracks from the USB device:

1. Connect a USB device or press the **HDD/DVD/AUX** button until the **DISC** screen displays the **USB** screen.
2. Press the **REC** button.
3. A confirmation displays.
4. Select **All songs** to copy all tracks. A progress bar displays.

To record selected tracks:

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

Duplicate content

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

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

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

CD eject

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

Power mode

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

Playing hard disc drive content



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

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

SEEK ▶▶:

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

◀◀ SEEK:

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

TUNE/MENU:

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

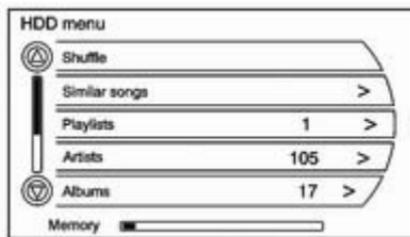
DEL (Delete):

1. Select the song from the **HDD menu** screen to delete.
2. Press the **DEL** button.

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

HDD menu

From the **HDD** screen, press the **HDD menu** screen button on the **HDD** screen to display the **HDD menu**.



Press any of the following buttons on the **HDD menu**:

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

Similar songs:

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

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

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

Playlists:

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

Artists:

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

Albums:

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

All songs:

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

Genres:

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

Recently saved:

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

Saving HDD favourites

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

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

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

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

Playing HDD favourites

Favourites can be played in two different ways:

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

USB supported devices

The USB connector uses the following:

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

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

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

Playing from a USB

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

The USB port is in the floor console.



The USB icon displays when the USB device is connected.

To play a USB device:

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

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

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

SEEK ▶▶:

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

◀◀ SEEK:

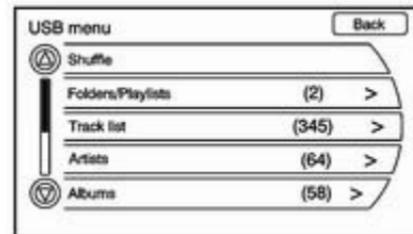
1. Press to seek to the beginning of the current or previous track. If the track has been playing for less than five seconds, the previous track plays. If longer than five seconds, the current track restarts.

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

TUNE/MENU:

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

USB menu



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

Select any of the following buttons on the **USB menu**:

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

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

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

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

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

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

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

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

Playing from an iPod®



This feature supports the following iPod models:

- iPod touch (1st, 2nd, 3rd and 4th generation)
- iPod classic
- iPod with video
- iPod nano (1st, 2nd, 3rd, 4th, 5th and 6th generation)
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

For proper operation, make sure the iPod has the latest firmware from Apple®. iPod firmware can be updated using the latest iTunes® application.

For more information, visit www.apple.com/itunes.

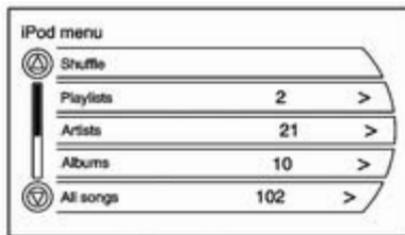
Recording from the iPod to the HDD is not supported. Media must be recorded using a USB mass storage device.

To connect and control an iPod, connect one end of the standard iPod USB cable to the iPod's dock connector. Connect the other end to the USB port in the centre 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. 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 an unsupported model, it can still be listened to in the vehicle by connecting to the auxiliary input using a standard 3.5 mm stereo cable. Auxiliary devices ⇨ 45.

iPod menu



Press any of the following buttons on the **iPod menu** to display the corresponding screen:

Shuffle:

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

Playlists:

1. Press to view the playlists stored on the iPod.
2. Select a playlist name to view a list of all songs in the playlist.
3. Select the desired song from the list. Once a song has been selected, **Mode: Playlist** appears on the iPod main screen.

Artists:

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

Albums:

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

All songs:

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

Genres:

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

Composers:

1. Press to view the composers stored on the iPod.
2. Select a composer name to view a list of all songs by that composer.
3. Select the desired song from the list. Once a song has been selected, **Mode: Composer** appears on the iPod main screen.

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

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

Auxiliary devices

This vehicle has an auxiliary input in the floor console. Possible auxiliary audio sources include:

- Laptop computer
- MP3 player
- Tape player

This socket is not an audio output. Do not plug headphones into the auxiliary input. Set up any auxiliary devices with the vehicle in P (Park).

Connect a 3.5 mm cable from the auxiliary device to the auxiliary input. 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, press the screen button for **Now Playing** on the home page, then press **Source** repeatedly to cycle through all of the available audio source screens, until the **AUX** source screen is selected.

Playing from a USB

A USB mass storage device or Microsoft Transfer Protocol (MTP) device can be connected to the USB port.

The USB port is in the centre console. The USB icon displays when the USB device is connected.

USB MP3 player and USB drives

- The USB MP3 players and USB drives connected must comply with the USB Mass Storage Class specification (USB MSC).
- Only USB MP3 players and USB drives with a sector size of 512 bytes and a cluster size smaller or equal to 32 kbytes in the FAT32 file system are supported.
- Hard disk drives are not supported.
- The following restrictions apply for the data stored on a USB MP3 player or USB device:

- ◆ Maximum folder structure depth: 11 levels.
- ◆ Maximum number of MP3/WMA files that can be displayed: 1,000.
- WMA with Digital Rights Management (DRM) from online music shops cannot be played. WMA files can only be played back safely if they were created with Windows Media Player version 8 or later.
 - ◆ Applicable playlist extensions are: .m3u, .pls.
 - ◆ Playlist entries must be in the form of relative paths.
 - ◆ The system attribute for folders/files that contain audio data must not be set.

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

- Connect the USB and it begins to play.
- Press the **Now Playing** screen button on the Home page, then press the **SOURCE** button on the faceplate repeatedly to cycle

through all of the available audio source screens, until the USB source screen is selected.

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 (Seek Down):

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

SEEK ▶ (Seek Up):

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

USB menu

Press any of the following buttons on the **USB menu**:

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

Playlists: Press to view the playlists stored on the USB. Select a playlist to view the list of all songs in that playlist. There might be a delay before the list displays. Select a song from the list to begin playback.

Artists: Press to view the list of artists stored on the USB. Select an artist name to view a list of all albums by the artist. There might be a delay before the list displays. To select a song, touch **All songs** then select a song or touch an album then select a song from the list to begin playback.

Albums: Press to view the albums on the USB. 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 to begin playback.

Song titles: Press to display a list of all songs on the USB. Songs are displayed as stored on the disc. There

might be a delay before the list displays. To begin playback, select a song from the list.

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

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

File system and naming

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

Playing from an iPod®

This feature supports the following iPod models:

- iPod nano® (1st, 2nd, 3rd and 4th generation)
- iPod with video (5.0 and 5.5 generation). Video is not shown; only audio is supported.

- iPod classic® (6th generation)
- iPod touch® (1st and 2nd generation)

There may be problems with operation and function in the following situations:

- When connecting an iPod on which a more recent version of the firmware is installed than is supported by the Infotainment system.
- When connecting an iPod on which firmware from other providers is installed.

To connect 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 centre console.

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

The iPod battery recharges automatically while the vehicle is on. When the vehicle is off while an iPod

is connected using the iPod USB cable, the iPod battery stops charging and the iPod automatically turns off.

If the iPod is an unsupported model, it can still be listened to in the vehicle by connecting to the auxiliary input using a standard 3.5mm stereo cable.

iPod menu

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

Press any of the following buttons on the **iPod menu**:

Playlists:

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

Artists:

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

Albums:

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

Song titles:

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

Genres:

1. Press to view the genres stored on the iPod.
2. Select a genre name to view a list of artists of that genre.
3. Select an artist to view albums or **All songs** to view all songs of that genre.
4. Select album to view songs.
5. Select the desired song from the list to begin playback.

Podcasts:

1. Press to view the podcasts stored on the iPod.
2. Select a podcast name to play the desired podcast.

Composers:

1. Press to view the composers stored on the iPod.
2. Select a composer name to view a list of all songs by that composer.
3. Select the desired song from the list to begin playback.

Audio book:

1. Press to view the audio books stored on the iPod.
2. Select an audio book name to view a list of all audio books.
3. Select the desired audio book from the list to begin playback.

Playing from an iPhone®

This feature supports the following iPhone model:

iPhone (3G – 3GS)

To use the iPhone, follow the same instructions as stated earlier for using an iPod.

Navigation

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Usage

Use the buttons on the navigation system and the available screen buttons on the navigation screen to operate the system. Control elements overview ↻ 2.

Various functions are disabled when the vehicle is moving.

Infotainment control buttons

The buttons on the faceplate are used to start primary functions while using the infotainment system. Control elements overview ↻ 2.

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

◀ **BACK:** Press to return to the previous screen in a menu. The ◀ **BACK** button does not work in primary screens, such as the map, audio, leaf or climate screens.

CONFIG (Configure): Press to adjust features for radio, navigation, display, phone, vehicle and time. Configure menu ↻ 70.

TP (Traffic Programme): Press to receive radio traffic service stations that broadcast traffic news.

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

DEST (Destination): Press to plan a route through the **Enter destination** menu. If route guidance is active, press to access the **Route** menu. Destination ↻ 61.

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.

Map view 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.

Touch screen buttons

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

Alpha-numeric keyboard

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

All characters are touch screen buttons. Touch to select.

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

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

Symbols: To select symbols.

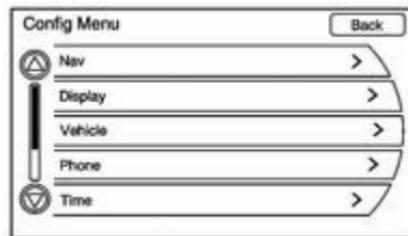
␣ (**Space**): To enter a space between characters or the words of a name.

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

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

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

Navigation settings

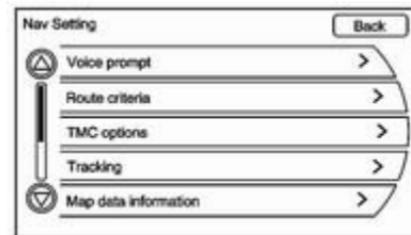


The **Config Menu** screen accesses the navigation system settings.

To access:

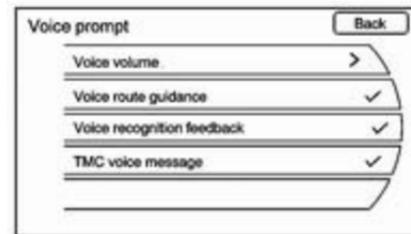
1. Press the **CONFIG** button to display the **Config Menu**.

2. Turn the **TUNE/MENU** knob to scroll through the available setup features. Press the **TUNE/MENU** knob or press the **Nav** screen button to display other options within that feature.



3. Select the navigation setting to change.

Voice prompt

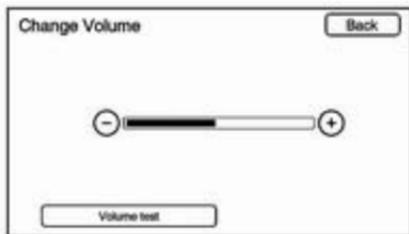


This menu allows changes to the voice features.

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

The touch screen buttons available are:

Voice volume: Adjust the voice volume for guidance and voice recognition prompts by pressing the – or + buttons or by turning the VOL/⊙ knob on the infotainment system. Press the **Volume test** button to preview the selected sound level.



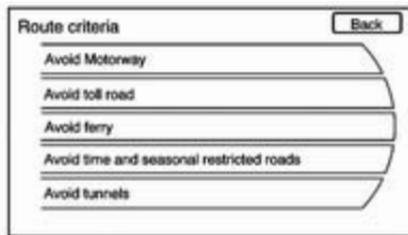
Voice route guidance: Press to enable or disable voice route guidance. A checkmark indicates on.

Voice recognition feedback: Press to turn the voice recognition feedback on or off. A checkmark indicates on.

TMC voice message: Press to enable or disable TMC voice message. If the voice prompts are on and an **Alert for approaching traffic events** displays, the related voice prompt is provided. A checkmark indicates on.

Route criteria

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



Avoid Motorway: Motorways are avoided.

Avoid toll road: Toll roads are avoided.

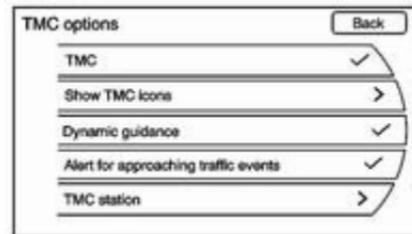
Avoid ferry: Ferries are avoided.

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

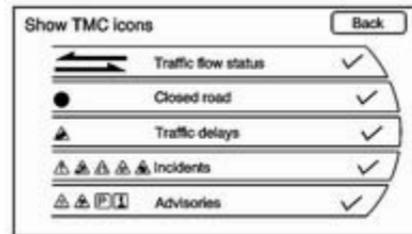
Avoid tunnels: Tunnels are avoided.

Avoid motorail train: Motorail trains are avoided.

TMC options



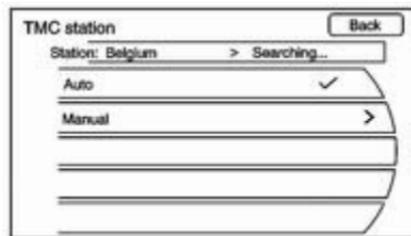
TMC: Press to enable or disable traffic guidance.



Show TMC icons: Press to display and enable or disable icon preferences during traffic events.

Dynamic guidance: Press to enable or disable guidance that is actively changing or developing.

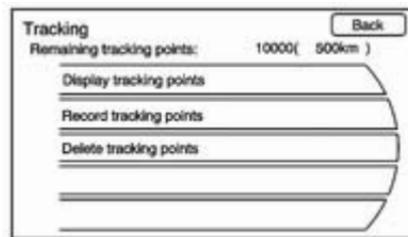
Alert for approaching traffic events: Press to enable or disable alerts for approaching traffic events.



TMC station: Press to display TMC stations that allow for automatic or manual searches of TMC stations. Press **Auto** to enable or disable the automatic search. Press **Manual** to manually search and select stations that receive traffic broadcasts.

Tracking

Press the **Tracking** screen button to turn on, off or delete the recording and displaying of the travelled path.



Display tracking points: When active, the travelled path displays.

Record tracking points: When active, the travelled path is recorded.

Delete tracking points: The recorded path is deleted.

Map data information

Displays map database version information.



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

Fuel Level Low

When selected, a popup screen displays petrol station icons on the map or lists the five nearest petrol stations.

Off-Road mode

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

Show 3D landmark

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

Maps

This section includes basic information about the map database.

Map coverage

The navigation maps are stored on the hard drive.

For more information on map coverage, see Database coverage explanations ⇨ 74.

Map disc copyright information

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Source: Géoroute® IGN France & BD Carto® IGN France

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Información geográfica propiedad del CNIG

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Preparation for map update

IMPORTANT

The map update DVDs included in this package can only be used for your particular navigation system. Do not use these discs to update any other navigation system.

Pictures shown in the package may appear slightly different than what you see on the navigation system.

Please follow the step-by-step instructions in this manual to update your map data.

CAUTIONS

Do not manually eject the DVD before the map update is finished. If you eject the disc prior to completion, you may need to restart the map data update from the first step.

NOTES

A map update key is needed to update the map data. Please refer to the documentation sent with this map DVD package.

During the update, you cannot use functions such as HDD Audio, USB/iPod® Audio, Navigation, Timeshift of AM/FM and voice recognition. If the engine is turned off during the update process, the update will resume from the last position once the vehicle is turned back on.

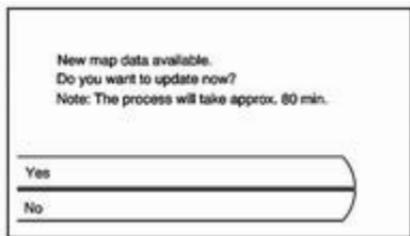
Updating map data

1. Turn the vehicle engine on.

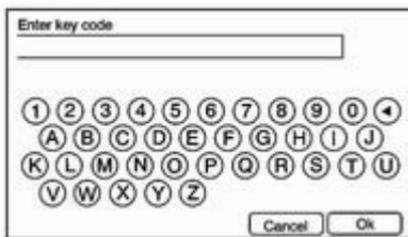
2. Wait until the opening animation is complete.



3. Insert Disc 1 in the disc slot. The "Checking new map data..." message will display.



4. After about 30 seconds to 3 minutes, you will be asked if you want to start the map update. Press the **Yes** screen button.



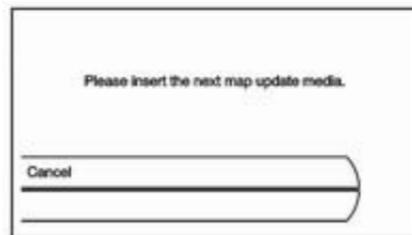
5. Enter the map update key and press the **Ok** screen button.



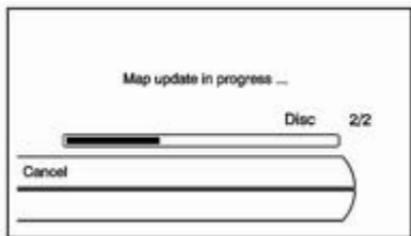
6. The **Starting Update** screen will display.



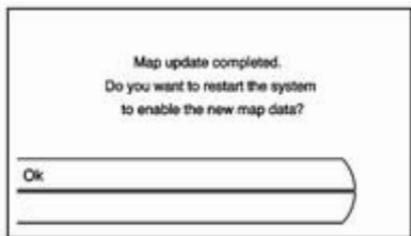
7. The display will transition to a screen showing **Map update in progress** The update will take about 80 minutes.



8. After Disc 1 update completes, the disc will automatically eject. Please remove it quickly.
9. Insert Disc 2 in the disc slot.



10. After about 30 seconds to 3 minutes, the display will change to show **Map update in progress**
11. After Disc 2 update completes, the disc will automatically eject. Please remove it quickly.



12. The **Map update completed** screen will display. Press the **Ok** screen button to reboot the system and enable the new map data.
13. Confirm that the opening animation is displayed.

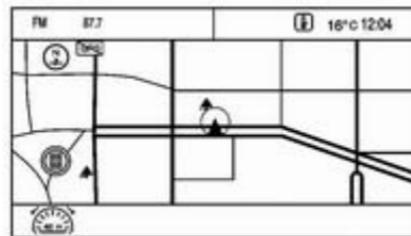
Handling the DVD map disc

- Handle the disc very carefully to avoid contamination or flaws. Signals might not read out properly.
- Use a soft cloth if the disc gets soiled and gently wipe it from the centre 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 **TUNE/MENU** knob clockwise or counterclockwise to zoom out or in.
2. Press 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 150 ft to 250 miles. To change from English to metric, see “Driver Information Centre (DIC)” in the Index of the vehicle owner manual.

Scroll features



- To scroll within the map, press anywhere on the map screen and the scroll symbol displays.
- Tap the map to centre 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 the finger is removed.
- Scroll speed increases when pressing closer to the edge of the screen.

- Press **NAV** 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, 0.1 mile away from current vehicle position.

Symbols overview

Navigation symbols

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



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

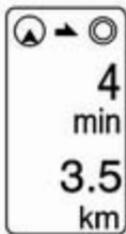


The destination symbol marks the final destination after a route has been planned.



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

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



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



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 travelling. Select this symbol to change the view to Heading up or 3-D.



This symbol indicates that the map view is heading up.

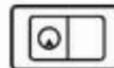
Heading-up view displays the direction the vehicle is travelling at the top of the map screen. The shaded triangle indicates North.

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

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



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



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

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



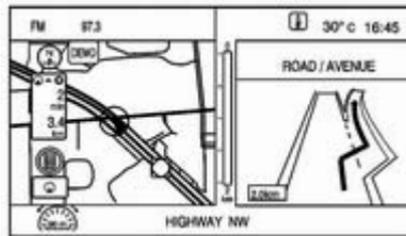
This symbol indicates that a menu is available and displays on the left side of the screen. Press this symbol or the **TUNE/MENU** knob to access the screen menu.

Driving on a route

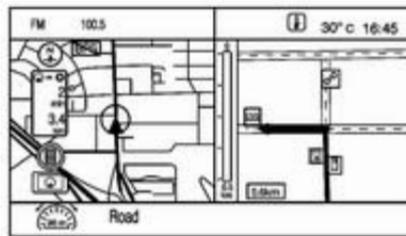
While driving on a route, the next manoeuvre the map screen displays is either as an urgent manoeuvre or a non-urgent manoeuvre.

Urgent manoeuvre

An urgent manoeuvre is displayed when the next manoeuvre is less than or equal to 0.5 miles away on a residential road or is less than or equal to 1 mile away on highway.



Driving on a Highway



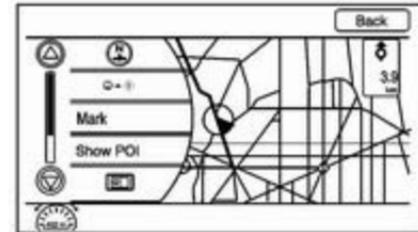
Driving on a residential road

Non-urgent manoeuvre

A non-urgent manoeuvre is when your distance to the next manoeuvre is greater than 0.5 miles when driving on a residential road or is greater than 1 mile when driving on a highway. This is indicated by a small arrow in the top right corner of the screen.

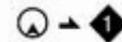
Map screen options

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

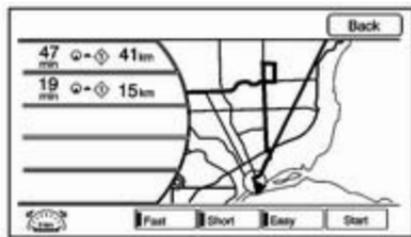


Press the **TUNE/MENU** knob to display the menu on the left side.

See "Map heading" under Destination ⇨ 61 to learn how to change the map view to North up, Heading up or 3-D view.



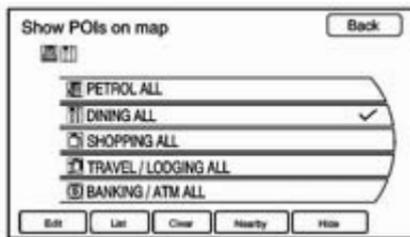
When this symbol is selected, the distance and time remaining from the current vehicle position to the first waypoint displays.



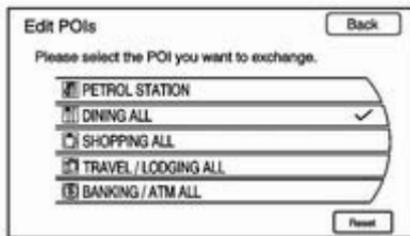
This menu displays if the symbol and waypoints are entered. Select the main map view to display the distance and time remaining from the current vehicle position to any of the set waypoints or final destination.

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

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

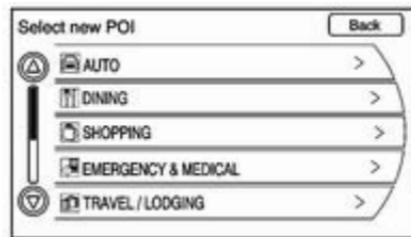


There are several preset options on the bottom of the screen.



Edit: Press to display a list of POI icons.

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



2. Select the new POI icon.

3. The new icon is on the **Show POIs on map** menu.

List: Displays all available POIs.

Clear: Clears all selected POIs.

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

Hide: Press to hide the POIs from view on the map. To display, go to the **Map** menu, press the **Show POIs on map** menu and press the **Show** option. See "Map screen options" earlier for more information on showing the POIs.



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

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

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

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

Destination

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



Address entry

Set a route by entering the country name, city name, street name and house number.

Country: Enter a country name.

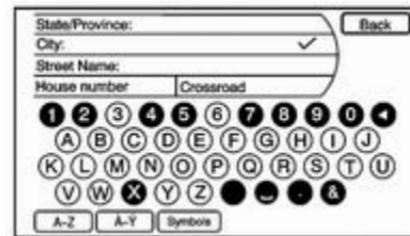
City: Enter a city name.

Street Name: Enter a street name.

House number: Enter a valid address number.

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

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



Entering the city name first:

1. Press the **DEST** button.
2. If necessary, enter the country name. The last country 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. Use the backspace  screen button to delete an incorrectly entered character.

A list displays if four or fewer names are available. If there are more than four, there is a match

counter with a number of available streets. Press the **List** screen button to view the list and select the street.

5. Enter the house number. This field is automatically selected.
6. Press the **Ok** screen button. The address information screen displays the address entered.
7. Press **Start** located on the confirmation screen if the information is correct. The route is calculated.
8. Select the route preference for **Fast**, **Short** or **Easy**. The chosen route preference highlights. See “Entering an address and point of interest and storing preset destinations” under Usage ↷ 8.
9. Press the **Start** screen button and the route is calculated.

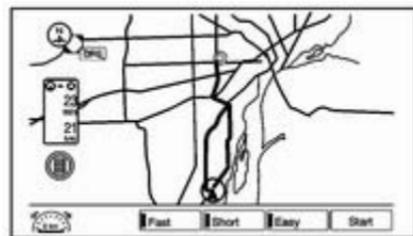
Entering the street name first:

1. Press the **DEST** button.
2. If necessary, enter the country name. The country 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 button between street and city names. Use the backspace ◀ screen button to delete an incorrect character.

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

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



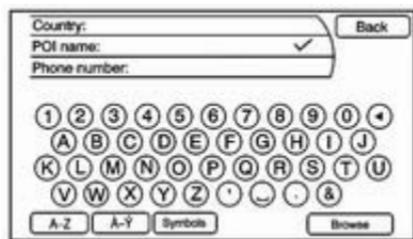
8. Select the route preference for **Fast**, **Short** or **Easy**. The chosen route preference highlights. See “Entering an address and point of interest and storing preset destinations” under Usage ↷ 8.
9. Press the **Start** screen button and the route is calculated.

Points of Interest

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

Entering by POI name/phone number:

1. Press the **DEST** button.
2. Select **Points of Interest**.



3. Enter the name or select by phone number.

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

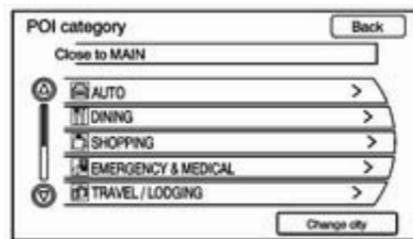
4. Select the POI name from the list.
5. Press **Start** located on the confirmation screen if the information is correct.
6. Select the route preference for **Fast, Short** or **Easy**.
7. Press the **Start** screen button and start the route.

Entering a POI by city name:

1. Press the **DEST** button.
2. Select **Points of Interest**.
3. Press the **Browse** screen button.
4. Press the **Change city** screen button.
5. Enter the new state and city.
6. Select a category, then a sub-category.
The available POI names will display.
7. Select the POI name.
8. If the POI is correct, Press the **Start** screen button. The route is calculated.
9. Select the route preference for **Fast, Short** or **Easy**.
10. Press the **Start** screen button and start the route.

Selecting from a POI category

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



4. Select a category, then a sub-category.
The available POI names display.
5. Select the POI name.
6. If the POI is correct, press the **Start** screen button. The route is calculated.
7. Select the route preference for **Fast, Short** or **Easy**.
8. Press the **Start** screen button and start the route.

Last destinations

Select a destination from a list of previous destinations. Up to 15 points that have been previously entered can be recalled. If the list is full, the

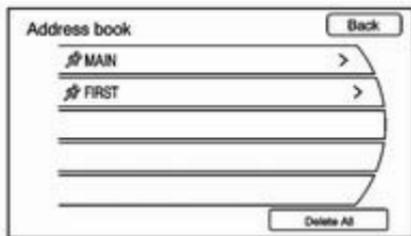
oldest destinations are automatically deleted once the newest destinations are added.

1. Press the **DEST** button.
2. Press **Last destinations**. A list displays the previous destinations.
3. Select the destination.
4. Press **Start** located on the confirmation screen if the information is correct. The route is calculated.
5. Select the route preference for **Fast, Short or Easy**. See “Entering an address and point of interest and storing preset destinations” under Usage ↷ 8.
6. Press the **Start** screen button and start the route.

Address book

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

1. Press the **DEST** button.



2. Press **Address book**. A list displays the address book entries.
3. Select the destination from the list.
4. Press **Start** on the confirmation screen if the information is correct. The route calculates.
5. Select the route preference for **Fast, Short or Easy**. See “Entering an address and point of interest and storing preset destinations” under Usage ↷ 8.
6. Press the **Start** screen button and start the route.

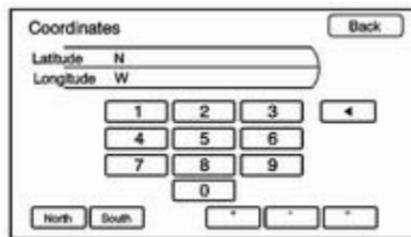
Pick from map

Select a destination by scrolling on the map.

1. Press the **DEST** button.
2. Press the **Pick from map** screen button. A map screen with a scroll symbol displays.
3. Press the Zoom in/out arrows displayed on the screen and press the map to locate the destination to select. Press and hold a finger on the map to activate fast scrolling.
4. Press **Start** on the confirmation screen if the information is correct. The route calculates.
5. Select the route preference for **Fast, Short or Easy**. See “Entering an address and point of interest and storing preset destinations” under Usage ↷ 8.
6. Press the **Start** screen button and start the route.

Latitude/Longitude coordinates

Choose a destination based on latitude and longitudinal coordinates.



Enter in the location as coordinates, latitude and longitude.

1. Press the **DEST** button.
2. Press the **Latitude/Longitude** screen button.
3. Enter the coordinates for the destination in degrees, minutes and seconds.
4. Press **Start** on the confirmation screen if the information is correct. The route calculates.
5. Select the route preference for **Fast, Short** or **Easy**. See “Entering an address and point of interest and storing preset destinations” under Usage ⇨ 8.
6. Press the **Start** screen button and start the route.

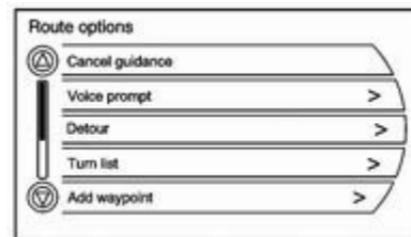
Preset Destination

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 “Entering an address and point of interest and storing preset destinations” under Usage ⇨ 8.

1. Press the **DEST** button.
2. Select one of the available screen buttons for **Preset Destination**. The screen buttons were stored with the name selected. The route is calculated.
3. Select the route preference for **Fast, Short** or **Easy**. See “Entering an address and point of interest and storing preset destinations” under Usage ⇨ 8.
4. Press 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** button to access the **Route options** screen.



Cancel guidance

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

Voice Prompt

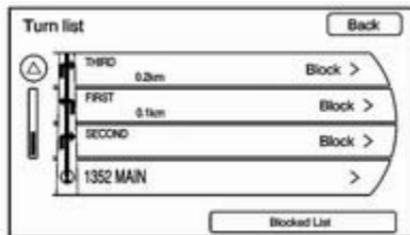
Select **Voice volume** to change the volume of voice prompts and voice recognition.

Select the **Voice route guidance**, **Voice recognition feedback** or **TMC voice message** screen buttons to turn voice prompts on or off for each category. See “Navigation settings” under Usage ⇨ 50.

Detour

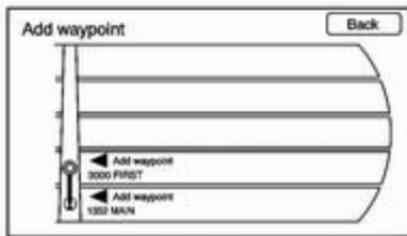
While on the surface streets, select a detour around the current route, select the **Route** screen, then select to detour 1, 5 or 10 miles. While on the highway, select to detour 5, 15 or 25 miles. Select **Whole route** to detour the entire route. This is only available while driving on a route.

Turn list



To view the list of manoeuvres for the entire route, select **Turn list** from the **Route options** screen.

Waypoints



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

To add a waypoint:

1. Press the **DEST** button.
2. Press the **Add waypoint** screen button. This button is only available if the route has been calculated.

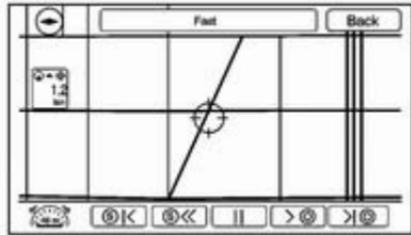
3. Enter the waypoint by any of the add destination methods. Destination ⇨ 61. The system calculates and highlights the route and the route can be started.
4. To add more waypoints, press the **DEST** button. Press the **Add waypoint** screen button to add the waypoint in the order desired on the route. The system calculates and highlights the route and the route can be started.

To delete a waypoint:

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

Route preview

Preview the entire route in either direction.



⏪ >| (Reverse or forward skip):

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

<> (Reverse or forward scroll):

- Press the fast reverse scroll arrow to go to the start point.
- Press the fast forward scroll arrow to go to the final destination. These buttons display once the reverse/forward scroll button has been selected.

<> (Reverse or forward scroll):

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

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

Suspend route guidance/ Resume route guidance

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

Previous destinations — deleting

To delete all previous destinations from the system:

1. Press the **DEST** button.
2. Press the **Last destinations** screen button.

3. Press the **Clear all** screen button.
4. Press **Ok to Clear all last destinations?** or press the **Cancel** screen button to cancel this operation.

Address book

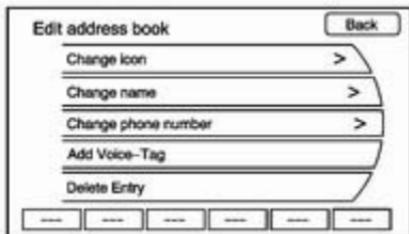
Options for saving to the **Address book**:

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

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

To change the map icon of an address book entry:

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



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

To edit the name of an address book:

1. Press the **DEST** button.
2. Press the **Address book** screen button. A list displays the address book entries.
3. Select the address book entry to be changed.
4. Press **Edit** located on the bottom of the screen.
5. Press the **Change name** option.
6. Use the alpha keyboard to enter the name.
7. Press the **Ok** screen button to save the changes.

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

1. Press the **DEST** button.
2. Press the **Address book** screen button. A list of address book entries displays.

3. Select the address book entry to be changed.
4. Press **Edit** located on the bottom of the screen.
5. Press the **Change phone number** option.
6. Use the numeric keyboard to enter or change the phone number.
7. Press the **Ok** screen button to save changes.

To add a voice tag to an address book entry:

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

To delete an address book entry:

1. Press the **DEST** button.
2. Press the **Address book** screen button. A list displays the address book entries.
3. Select the address book entry to be deleted.
4. Press the **Delete Entry** screen button. A confirmation message displays.

To add a preset destination from the address book:

1. Press the **DEST** button.
2. Press the **Address book** screen button.
3. Select the address book entry to add as a preset. The **Address info** screen displays.
4. Press **Edit** located on the bottom of the screen.

5. Press and hold one of the six screen buttons at the bottom of the screen until the text within the button changes.
6. The name appears in that preset destination screen button and can be selected from the **Enter destination** screen button.

Favourite route

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

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

1. Press the **DEST** button.
2. Press the **Favourite route** screen button.

3. Select the route.
4. Press **Edit** located on the bottom of the screen.
5. Select from: **Change route name**, **Add Voice-Tag** or **Delete Favourite route**.

To change the route name:

1. Select **Change route name**.
2. Using the keypad, enter the name.
3. Select the **Favourite route** entry to be edited.
4. Press the **Ok** screen button. The new name will be in the **Favourite route** menu.

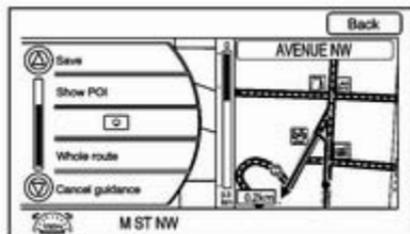
To add a voice tag:

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

To delete a favourite route:

1. Press **Delete Favourite route**. The confirmation screen displays.
2. Press the **Yes** screen button 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. Press the **NAV** button to view the **Map** screen.
2. Press the **Menu** screen button or the **TUNE/MENU** knob on the faceplate.

Map heading



Press to change the view to North up, Heading up or 3-D mode. Symbols overview ↷ 57.

TMC: Press to view the **TMC** screen. Configure menu ↷ 70.

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

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



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

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

Cancel guidance: Press to stop the current route.

Configure menu

Adjust features and preferences through the **Config Menu**. The last selected menu screen displays. Adjust features for **Sound settings**, **Radio**, **Nav** (navigation), **Display** or **Time Setting**.

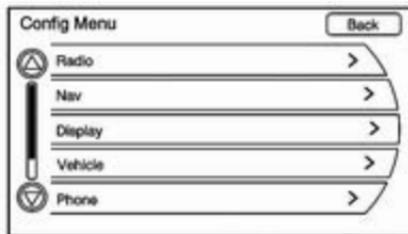
Radio

Press the **CONFIG** button to enter the **Menu** options. Turn the **TUNE/MENU** knob to scroll through the available menu options. Press the **TUNE/MENU** knob or press **Radio** to display the radio settings. Press this feature to make changes, such as preset pages, **Speed dependent volume** and **Audio Cue Options**.

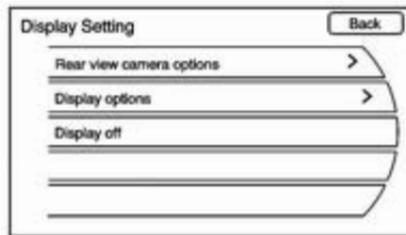
Nav (navigation)

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

Display

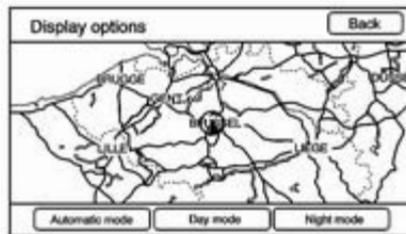


Press the **CONFIG** button to enter the menu options.



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

Display options



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

These options are:

Automatic mode: The screen background automatically adjusts depending on exterior lighting conditions.

Day mode: The map background brightens.

Night mode: The map background darkens.

Display off

Press to enable or disable the display option. A checkmark will indicate the option is on.

Setting the clock

To set the time:

1. Press the **CONFIG** button and select **Time Setting** from the list.
2. Press + and – to decrease or increase the hours and minutes displayed on the clock.

12 hours / 24 hours format: Select the **12 hours** screen button for standard time; select the **24 hours** screen button for military time.

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

Display: Press the **Display** screen button to turn the display of the clock on the screen on or off.

Global Positioning System

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. When the vehicle

is not receiving signals from the satellites, a symbol appears on the map screen. Symbols overview ⇨ 57. This system might not be available or interferences can occur if any of the following is true:

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

For more information if the GPS is not functioning properly, see Problems with route guidance ⇨ 73 and Service of the navigation system ⇨ 73.

Vehicle positioning

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

- The road system has changed.
- The vehicle is driving on slippery road surfaces such as in sand, gravel and/or snow.

- The vehicle is travelling on winding roads or long straight roads.
- The vehicle is approaching a tall building or a large vehicle.
- The surface streets run parallel to a freeway.
- The vehicle has been transferred by a vehicle carrier or a ferry.
- The current position calibration is set incorrectly.
- The vehicle is travelling 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.
- Tyre chains have been installed.
- The tyres are replaced or worn.
- The tyre pressure for the tyres is incorrect.

- This is the first navigation use after the map data is updated.
- The 12-volt battery is disconnected for several days.
- The vehicle is driving in heavy traffic where driving is at low speeds and the vehicle is stopped and started repeatedly.

Problems with route guidance

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

- The turn was not made on the road indicated.
 - Route guidance might not be available when using automatic rerouting for the next right or left turn.
 - The route might not be changed when using automatic rerouting.
 - There is no route guidance when turning at an intersection.
 - Plural names of places might be announced occasionally.
- It could take a long time to operate automatic rerouting during high-speed driving.
 - Automatic rerouting might display a route returning to the set waypoint if heading for a destination without passing through a set waypoint.
 - The route prohibits the entry of a vehicle due to a regulation by time or season or any other regulation which may be given.
 - Some routes might not be searched.
 - The route to the destination might not be shown if there are new roads, if roads have recently changed, or if certain roads are not listed in the map data. Maps ⇨ 54.

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.

Service of the navigation system

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

Obtaining navigation CDs/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 any questions about the operation of the navigation system or the update process, contact your dealership.

After receiving the updated disc, see "Installing the DVD map disc" under Maps ⇨ 54.

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.

Obtaining navigation CDs/DVDs

⇨ 73.

Voice recognition

Voice recognition 75

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 power off is active. See "Retained power off" in the Index of the vehicle owner manual for more information.

Using voice recognition

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

If there is no beep, make sure that the voice volume setting is not turned down. Configure menu  70.

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

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

Cancelling voice recognition

1. Press and release the  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, besides the volume knob or the volume steering wheel button cancels the session.
3. Press and release  to restart the voice recognition session.

Helpful hints for speaking commands

- When multiple commands are available, choose the command that best works for you.
- Words in square brackets are optional. For example, for the command “**Display [help]**,” saying **Display help**” or “**Display**” are both valid commands.
- Words separated by a (|) mean there is a choice of using a word on either side of the vertical bar. For example, for the command (**CD | C D | DVD | D V D | Disc**) **help**, you can say “**CD (help)**” or “**DVD (help)**” or “**Disc help.**”
- When the system recognises 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 recognise the command, the system issues an error message such as “**Pardon**” or “**command not recognised**”. The system could also say, “**Voice recognition canceled.**”

- If experiencing difficulty with the system recognising 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 recognise commands in different languages. The system only recognises 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 or FM) and how to change radio stations (by speaking frequency numbers).

(**CD | C D | DVD | D V D | 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 square brackets. To use the voice commands, see the instructions listed previously.

Display commands

Display [set | select] day [mode]: This command instructs the system to switch the display to day mode.

Display [set | select] night [mode]: This command instructs the system to switch the display to night mode.

Display [set | 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 | Radio band) A M, "Radio FM", (Radio | Radio band) (FM | F M): These commands instruct the system to go to either the AM or FM radio bands.

Radio select <frequency> A M, Radio select <frequency> (FM | F M): 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 [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 | C D | DVD | D V D | Disc): These commands instruct the system to go to **Disc** mode.

Radio (CD | C D | DVD | D V D | Disc) select <y>: These commands instruct the system to play a specific track on the disc. For example: **Radio (CD | C D | DVD | D V D | Disc) select (ten | one (oh | zero))**. This command supports up to 254 tracks.

(CD | C D | DVD | D V D | 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 0.5 miles 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 petrol station[s], Navigation hide petrol station[s]: These commands instruct the system to display and hide petrol station POIs on the map screen.

Navigation show restaurant[s], Navigation hide restaurant[s]: These commands instruct the system to display and hide restaurant 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 shopping, 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 | preset) (destination number | destination) one (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 [destination | route | next waypoint]: 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).

Post code:

This command is available to search destinations for limited support areas depending on the language used. Any other language except for the following are not supported by this feature.

Language post code commands

The support area for address search description is shown in brackets.

■ British English (United Kingdom)

Post code: This command instructs the system that the user wants to enter a destination using voice recognition. After this command is stated, the system displays the search area. If the destination to be

entered is in the displayed area, then say the first half of the desired postal code. Otherwise, say “**change area**” and say the area name the search should take place in. Then, say the next digit of the desired postal code when prompted and say the desired street name and house number when prompted.

■ **German** (Germany and Austria)

Postleitzahl: This command instructs the system that the user wants to enter a destination using voice recognition. After this command is stated, the system prompts a current search country of either Germany or Austria. If the destination to be entered is in the current search country, then say the desired postal code. Otherwise, say “change country” to toggle between the two available countries. Then, say the desired street name and house number when prompted.

■ **French** (France including Monaco and Andorra)

Code postal: This command instructs the system that the user wants to enter a destination using voice recognition. After this command is stated, say the desired postal code. Then, say the desired street name and house number when prompted.

■ **Italian** (Italy including Vatican City and San Marino)

Codice postale: This command instructs the system that the user wants to enter a destination using voice recognition. After this command is stated, say the desired postal code. Then, say the desired street name and house number when prompted.

■ **Spanish** (Spain)

Código postal: This command instructs the system that the user wants to enter a destination using voice recognition. After this command is stated, say the desired postal code. Then, say the desired street name and house number when prompted.

Voice tag commands

Nametags are recorded phrases that can be stored in the navigation system. These nametags are associated with address book entries and once these nametags are stored, they can be used as part of a voice recognition command that sets the particular address book entry as a destination. See “Address book” earlier in this manual for information about instructions on how to store a nametag in the system.

Navigation [go to] <Nametag>: This command allows selection of a destination saved under the stored nametag. The system plays back the nametag 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 nametag and it is confirmed, the system sets “Home” as the destination.

Help commands

- help
- radio [help]

- (CD | C D | DVD | D V D | 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) A M
- (Radio | Radio band) (FM | F M)
- Radio select <frequency> A M
- Radio select <frequency> (FM | F M)

CD/DVD/Disc commands

- Radio (CD | C D | DVD | D V D | Disc)
- Radio (CD | C D | DVD | D V D | Disc) select <y>

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 petrol station[s] / Navigation hide petrol station[s]
- Navigation show restaurant[s] / Navigation hide restaurant[s]
- Navigation show hotel[s] / Navigation hide hotel[s]
- Navigation show airport[s] / Navigation hide airport[s]
- Navigation show shopping / Navigation hide shopping

Destination and guidance commands

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

- Add to waypoint (used in conjunction with another command)
- 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)

Nametag commands

Navigation [go to] <Nametag>

Phone

Bluetooth® 81

Bluetooth®

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

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

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

- Become familiar with the features of the mobile phone. Organize the phone book and contact lists clearly and delete duplicate or rarely used entries. If possible, programme speed dial or other shortcuts.
- Review the controls and operation of the infotainment system.
- Pair mobile phone(s) to the vehicle. The system may not work with all mobile phones. See "Pairing a phone" in this section for more information.

- If the mobile phone has voice dialling capability, learn to use that feature to access the address book or contact list. See "Voice pass-thru" in this section for more information.
- See "Storing and deleting phone numbers" in this section for more information.

Warning

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

General information

Vehicles with a Universal Handsfree Phone (UHP) system can use a Bluetooth® capable mobile phone with a hands-free profile to make and receive phone calls. The infotainment system and voice control are used to

control the system. The system can be used while the ignition is in ON/RUN or ACC/ACCESSORY.

The range of the UHP system can be up to 10 metres. Not all phones support all functions and not all phones work with the UHP system.

Other information

The Bluetooth word mark and logos are owned by the Bluetooth® SIG, Inc. and any use of such marks by General Motors UK Ltd/Vauxhall is under license. Other trademarks and trade names are those of their respective owners.

UHP controls

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

Steering wheel controls

Steering wheel controls can be used to:

- Answer incoming calls.
- Confirm system information.
- Start voice recognition.

- End a call.
- Reject a call.
- Cancel an operation.
- Make outgoing calls using the call list.

  (**Push To Talk**): Press to answer incoming calls, to confirm system information and to start voice control. Press and hold for two to three seconds to access the call list.

  (**End call/mute**): Press to end a call, reject a call or to cancel an operation.

To make outgoing calls using the call list:

1. Press the   button.
2. Highlight the phone number by toggling the **SRC** switch up or down.
3. Dial the highlighted number by pressing the   button.

Infotainment system controls

 : Press to enter the **Phone** main menu.

Voice control

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

Noise: The system may not recognise voice commands if there is too much background noise.

When to speak: A tone sounds to indicate that the system is ready for a voice command. Wait for the tone and then speak.

How to speak: Speak clearly in a calm and natural voice.

Audio system

When using the UHP system, sound comes through the vehicle's front audio system speakers and overrides the audio system. Use the VOL/ knob during a call to change the volume level. The adjusted volume level remains in memory for later calls. The system maintains a minimum volume level.

Turning Bluetooth on or off

1. Press the **CONFIG** button.
2. Press   on a navigation radio.

3. Select **Bluetooth**.
4. Select **Activation**.

Changing Bluetooth code

The default Bluetooth code should work with most mobile phones. If you are having difficulty pairing your mobile phone, you can change the code at any time.

1. Press the **CONFIG** button.
2. Press  /  on a navigation radio.
3. Select **Bluetooth**.
4. Select **Change Bluetooth code**.
5. Enter a new four-digit code, then select **Ok**.

Ring tone

There are three different ring tones available for the UHP system.

To change the ring tone:

1. Press the **CONFIG** button.
2. Press  /  on a navigation radio.
3. Select **Ring tone**.
4. Select **Ring tone 1**, **Ring tone 2** or **Ring tone 3**.

Default settings

Selecting this option will reset the ring tones and the Bluetooth code.

Pairing

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

Pairing information:

- Up to five mobile phones can be paired to the UHP system.
- The pairing process is disabled when the vehicle is moving.
- The UHP system connects with the first available paired mobile phone in the order the phones were paired.

- Only one paired mobile phone can be connected to the UHP system at a time.
- Pairing should only need to be completed once, unless changes to the pairing information have been made or the mobile phone is deleted.

SIM access profile (SAP) mode

If equipped, this feature allows a wider range of functions via the phone portal including security and messaging functions. The functions depend on the network provider. In SAP mode, the phone is in standby mode and only the Bluetooth connection and SIM card are active, which leads to lower energy usage.

Connecting a phone via SAP

1. Turn the infotainment system on.
2. Press the **CONFIG** button.
3. Select **Add SIM access device (SAP)**.

The system scans for available devices and displays a list of devices found.

4. Select the mobile phone from the list.

The SAP passcode prompt is shown on the infotainment display containing a 16-digit code.

5. Enter the displayed SAP passcode in the mobile phone (without spaces).

The mobile phone PIN is shown on the infotainment display.

If the PIN request function is active on the mobile phone, the PIN for the SIM card must be entered.

Using UHP with infotainment controls

Pairing a phone

If your mobile phone has simple pairing or auto discovery features, they need to be turned off before the mobile phone can be paired to the UHP system. Reference the mobile phone manufacturer's user guide for information on these features.

1. Press the **CONFIG** button.
2. Press  /  on a navigation radio.
3. Select **Bluetooth**.
4. Select **Pair** or **Add device (Handsfree)**. A four-digit number appears on the display and the UHP system goes into discovery mode.
5. Start the pairing process on the mobile phone that will be paired to the vehicle. Reference the mobile phone manufacturer's user guide for information on this process.
Locate the device named UHP followed by a four-digit number in the list on the mobile phone and follow the instructions on the mobile phone. Enter the four-digit code provided by the system if necessary, then follow the instructions on the infotainment display screen.
6. Repeat Steps 1 through 5 to pair additional mobile phones.

Viewing all paired and connected phones

To view all available mobile phones that are paired to the UHP system:

1. Press the **CONFIG** button.
2. Press  /  on a navigation radio.
3. Select **Bluetooth**.
4. Select **Device list**.
5. Repeat Steps 1 through 4 to pair additional mobile phones.

Deleting a paired phone

To remove a paired mobile phone from the UHP system:

1. Press the **CONFIG** button.
2. Press  /  on a navigation radio.
3. Select **Bluetooth**.
4. Select **Device list**.
5. Select the mobile phone to delete and follow the on screen prompts.

Connecting to a different phone

To connect to a different paired mobile phone, the new mobile phone must be in the vehicle and available to be connected to the UHP system before the process is started.

To connect to a different phone:

1. Press the **CONFIG** button.
2. Press  /  on a navigation radio.
3. Select **Bluetooth**.
4. Select **Device list**.
5. Select the new mobile phone to link to and follow the on screen prompts.

If **Delete** is selected, the highlighted mobile phone will be deleted.

Making a call using phone book and call list

For mobile phones that support the phone book and call list features, the UHP system can use the contacts and call lists stored on your mobile phone to make calls.

See your mobile phone manufacturer's user guide or contact your wireless provider to find out if this feature is supported by your mobile phone.

The time it takes to download the phone book and call list from your mobile phone to the UHP system can vary depending on the size of the phone book and call list stored on your mobile phone.

When a mobile phone supports the phone book and call list features, the **Phone book** and **Call lists** menus are automatically available.

The **Phone book** menu allows you to access the phone book stored in the mobile phone to make a call.

The **Call lists** menu allows you to access the phone numbers from the **Incoming Calls**, **Outgoing Calls** and **Missed Calls** menus on your mobile phone to make a call.

To make a call using the **Phone book** menu:

1. Press  / .
2. Select **Phone book**.

3. Search through the list by selecting the letter group the phone book entry begins with. To continue scrolling through the entire list, turn the **TUNE/MENU** knob.
4. Select the name or number you want to call.

To make a call using the **Call lists** menu:

1. Press  / .
2. Select **Call lists**.
3. Select the **Incoming Calls**, **Outgoing Calls** or **Missed Calls** list.
4. Select the name or number you want to call.

Making a call

To make a call:

1. Press  / .
2. Press the numbers on the infotainment screen.
3. Select **Call** to start dialling the number.

Accepting or declining a call

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

To accept the incoming call, turn the **TUNE/MENU** knob to **Answer** and press the **TUNE/MENU** knob or press the  /  button on the steering wheel controls.

To decline the incoming call, turn the **TUNE/MENU** knob to **Decline** and press the **TUNE/MENU** knob or press the  /  button on the steering wheel controls.

Call waiting

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

To accept the incoming call, turn the **TUNE/MENU** knob to **Answer** and press the **TUNE/MENU** knob or press the  /  button on the steering wheel controls.

To decline the incoming call, turn the **TUNE/MENU** knob to **Decline** and press the **TUNE/MENU** knob or press the  /  button on the steering wheel controls.

To switch calls using call waiting:

1. Press  / .
2. Select **Switch calls** from the menu.

Conference calling

Conference calling and three-way calling must be supported on the mobile phone and enabled by the wireless service carrier to work.

To start a conference call while in a call:

1. Press the **TUNE/MENU** knob and select **Enter number**.
2. Enter the character sequence then select call.

3. After the call has been placed, press the **TUNE/MENU** knob and choose **Merge calls**.
4. To add more callers to the conference call, repeat steps 1 through 3. The number of callers that can be added is limited by your wireless service carrier.

To disconnect from one caller while in a conference call, select **Detach call** from the menu and select the number to hang up on.

Ending a call

Press the **TUNE/MENU** knob and select **Hang up** or press the  /  button on the steering wheel controls.

To mute a call

Press the **TUNE/MENU** knob and select **Mute call**.

To cancel mute

Press the **TUNE/MENU** knob and select **Mute call**.

Dual tone multi-frequency (DTMF) tones

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

To access this system:

1. Press the **TUNE/MENU** knob and select **Enter number**.
2. Enter the character sequence.

Operating UHP using voice control

The voice control of the UHP system enables you to operate several functions of the mobile phone using your voice. The UHP system uses voice commands to control the system and dial phone numbers. After input of the command, the infotainment system guides you through the dialogue with appropriate questions and feedback to achieve the desired action. The commands and numbers can be spoken without a pause between the individual words.

In addition, you can save telephone numbers under a nametag selected by you. The telephone connection can be set up with this name.

In the event of incorrect operation or incorrect codes, the voice control gives you voice feedback and requests you to re-enter the desired command. Apart from this, the voice control acknowledges important commands and will ask if necessary.

In order that calls made inside the vehicle do not lead to unintentional voice activation of the mobile phone, the voice control does not start until it has been activated.

Activating the voice control

Press the  button on the steering wheel to activate the voice control of the UHP system. The system responds with a tone. After the tone, say "Dial."

For the duration of the dialogue, any audio source that is active is muted and any traffic news fade-in is cancelled.

Adjusting the volume for voice output

Turn the volume knob of the infotainment system or press the + / - buttons on the steering wheel.

Cancelling dialogue

There are different ways to deactivate the voice control and cancel the dialogue:

- Press the  button on the steering wheel controls.
- Enter the command "Cancel."
- Do not enter a command for some time.
- The command is unrecognised after three tries.

Main menu commands

The UHP system has a set of main menu commands that are available when voice control is first started. After the voice control is activated, a short tone indicates that the voice control system is waiting for a command.

Available commands:

- “Dial”
- “Call”
- “Redialing”
- “Save”
- “Delete”
- “Directory”
- “Pair”
- “Select device”
- “Voice feedback”
- “Help”
- “Cancel”

Frequently used commands

Here is a list of frequently used commands:

- “**Help**”: the dialogue is terminated and all commands available in the current context are listed.
- “**Cancel**”: the voice control is deactivated.
- “**Yes**”: a suitable action is triggered depending on the context.
- “**No**”: a suitable action is triggered depending on the context.

Voice feedback

Each voice input is answered or commented on by the infotainment system by way of a voice output that is adapted to the situation.

To switch the voice output on or off, enter “**Voice feedback**” or press .

Pairing, saving or deleting a phone from the device list

With the command “**Pair**,” a mobile phone can be saved to or deleted from the device list of the UHP system. The UHP system will assign a device number to the mobile phone when it is paired.

Available commands:

- “Add”
- “Delete”
- “Help”
- “Cancel”

Example of a dialogue

User: “**Pair**.”

Voice output: “**Do you want to add or delete a device?**”

User: “**Add**.”

Voice output: “**Using the pair function in the external device, enter <1234> to pair.**” (At this time, start the pairing process on the mobile phone that will be paired to the vehicle. Reference the mobile phone manufacturer’s user guide for information on this process. Locate the device named UHP followed by a four-digit number in the list on the mobile phone and follow the instructions on the mobile phone and enter the four-digit code provided by the system).

Voice output: “**Do you want to pair the device?**”

User: “**Yes.**”

Voice output: “**Paired, ending session.**”

Selecting phone from device list

The “**Select device**” command can be used to select a different paired mobile phone. The UHP system asks for a device number that was assigned by the UHP system to the mobile phone when it was paired.

Example of a dialogue

User: “**Select device.**”

Voice output: **"Please, say a device number to select."**

User: **<device_number>**.

Voice output: **"Do you want to select the device number <device_number>?"**

(The device name appears on the infotainment display screen)

User: **"Yes."**

Voice output: **"One moment. The system searches for the selected device."**

Voice output: **"Device number <dev_num> is selected, ending session."**

Telephone number dialling

After the "Dial" command, the voice control requests input of a number.

The telephone number must be spoken in your normal speech without any artificial pauses between the numbers.

Recognition is best if a pause of at least half a second is made after every three to five digits. The infotainment system then repeats the numbers recognised.

Available Commands:

- **"Dial"**: the inputs are accepted.
- **"Digits"**: a numeric value between "0-9" is entered.
- **"Delete"**: the number last entered or the block of numbers last entered is deleted.
- **"Plus"**: a preceding "+" is entered for a call abroad.
- **"Verify"**: the inputs are repeated by the voice output.
- **"Asterisk"**: an asterisk "*" is entered.
- **"Hash"**: a hash character "#" is entered.
- **"Pause"**: a pause is entered into the character sequence.
- **"Help"**
- **"Cancel"**

The telephone number entered can have a maximum length of 25 digits.

To be able to make a call abroad you can say the word **"Plus"** (+) at the beginning of your number. The plus allows you to call from any country without knowing the prefix for calls made abroad in that country. Then say the required country code.

Example of a dialogue

User: **"Dial."**

Voice output: **"Please, say the number to dial."**

User: **"Plus Four Nine."**

User: **"Seven Three One."**

Voice output: **"Seven Three One."**

User: **"One One Nine Nine."**

Voice output: **"One One Nine Nine."**

User: **"Dial."**

Voice output: **"The number is being dialled."**

Making a call using nametag

When the "Call" command is used, a telephone number is entered that has been stored in the telephone book as a nametag.

Available commands:

- “Yes”
- “No”
- “Help”
- “Cancel”

Example of a dialogue

User: “Call.”

Voice output: “Please, say the nametag to call.”

(For nametag information, see “Saving a nametag” later in this section).

User: <Name>.

Voice output: <Name>.

User: “Yes.”

Voice output: “Calling.”

Starting a second call

Press $\mathcal{P} / \mathcal{W}$ to start a second call during an active telephone call.

Available commands:

- “Send”: activate manual DTMF (touch-tone dialling), e.g. for voice mail or telephone banking.
- “Send nametag”: activate DTMF (touch-tone dialling) by entering a nametag.
- “Dial”
- “Call”
- “Redialing”
- “Help”
- “Cancel”

Example of a dialogue

User: Press $\mathcal{P} / \mathcal{W}$ if a telephone call is active.

User: “Send.”

Voice output: “Please, say the number to send.”

(For number input information, see the dialogue example for “Making a call using a telephone number” earlier in this section).

User: “Send.”

Redialing

The “Redialing” command redials the last number dialled.

Saving a nametag

The “Save” command is used to store a telephone number in the telephone book as a nametag.

The name entered must be repeated once. The pitch and pronunciation must be as identical as possible for both name inputs, otherwise the voice control will reject the inputs.

A maximum of 50 nametags can be stored in the telephone book.

Nametags are speaker-dependent, (i.e., only the person who recorded a nametag can open it). To avoid the start of the recording of a saved name from being cut off, a short pause should be left after an input request.

To be able to use the nametag independently of the location, (i.e. including other countries), all telephone numbers should be entered with a “plus” character and a country code.

Available commands:

- **“Save”**: the inputs are accepted
- **“Redialing”**: the last input is repeated
- **“Help”**
- **“Cancel”**

Example of a dialogue

User: **“Save.”**

Voice output: **“Please, say the number to save.”**

(For number input information, see the dialogue example for “Making a call using a telephone number” earlier in this section).

User: **“Save.”**

User: **“Nametag”** (give nametag).

Voice output: **“Please, repeat the nametag to confirm.”**

User: **“Nametag”**

Voice output: **“Saving the nametag.”**

Deleting a nametag

The **“Delete”** command is used to delete a previously saved nametag.

Available commands:

- **“Yes”**
- **“No”**
- **“Help”**
- **“Cancel”**

Listening to stored nametags

The **“Directory”** command is used to listen to all stored nametags.

Available commands:

- **“Call”**: the telephone number of the voice tag last read aloud is selected.
- **“Delete”**: the entry of the voice tag last read aloud is deleted.

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