

# Infotainment System

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## Introduction

### General information

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

The infotainment system includes navigation and audio functions.

Keeping your eyes on the road and your mind on the drive is important for safe driving.

The infotainment system has built-in features intended to help keep your eyes on the road and mind on the drive.

Some features may be disabled while driving. Note that these functions will be grayed-out.

A grayed-out function indicates it is not available when the vehicle is moving.

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

- Become familiar with the infotainment system operation, hard keys on the faceplate, and touch-sensitive screen buttons of the infotainment system.
- Set up the audio by presetting favourite stations, setting the tone, and adjusting the speakers.
- Set up the navigation features before beginning driving, such as entering an address or a preset destination.
- Set up your phone numbers in advance so they can be called easily with the press of a single button.

When getting started, set the navigation system to your preference or delete information you may have entered using various options.

### Warning

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

### Warning

When driving your vehicle, be sure to keep the volume of the unit set low enough to allow you to hear sounds coming from the outsides (e.g. aware of the road and traffic conditions).

### Warning

- Do not place beverages close to the audio system. The audio system mechanism may be damaged if you spill them.
- Do not strike or allow anything to impact the audio system, damage to the system mechanisms could occur.

### Theft-Deterrent Feature

Your audio system includes an electronically coded security system. This electronically links the audio system to your vehicle. Under normal circumstances you will be unaware of its operation and shouldn't need to take any action to enable the audio system to work, even if the vehicle's battery has been disconnected and reconnected. When the electronic link between the vehicle and the audio system is interrupted, the display 'Security Lockout Active' will be shown. In this case, please contact your Holden Dealer.

### Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and

on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This device complies with Part 15 of the FCC Rules.

#### **Operation is subject to the following two conditions:**

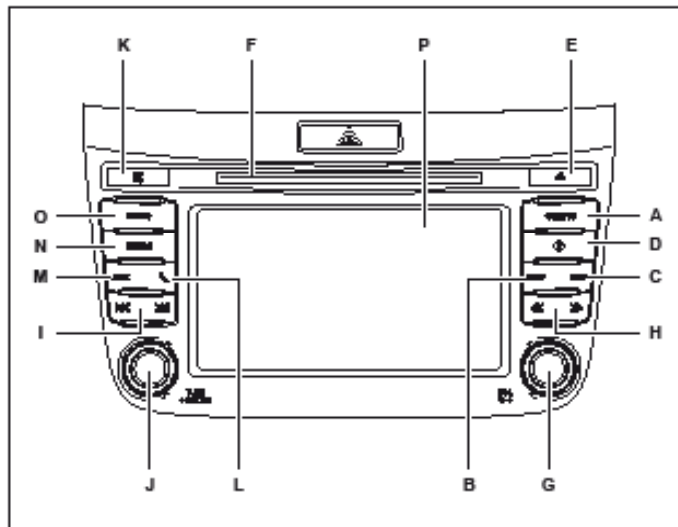
- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.






### FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

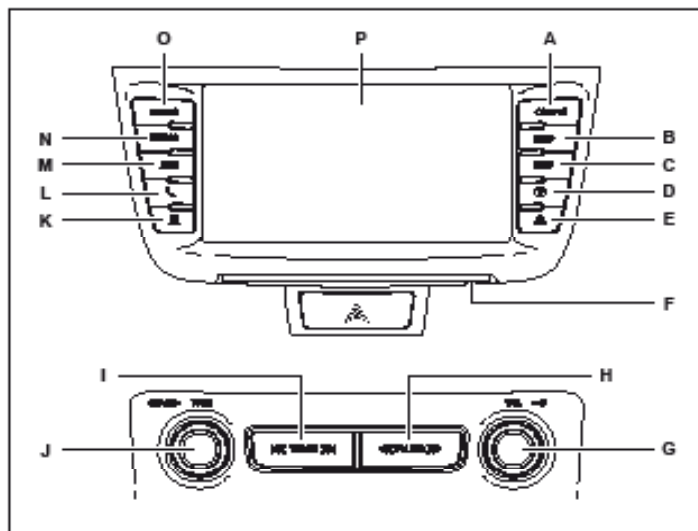
## Control Elements Overview



### Head Unit Compact



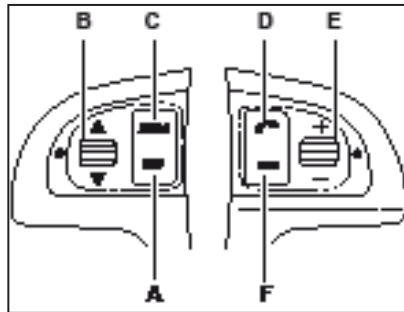
- A. **CONFIG**, Configuration menu button.
- B. **MAP** (if available), Navigation Map view button.
- C. **NAV** (if available), Navigation menu button.
- D. , Help menu button.
- E. , CD eject button.
- F. CD slot.
- G. , Power/Volume Knob.
- H. , Folder up/down button (MP3).
- I. , Continuous seek up/down button (AM, FM).  
Seek next/previous track button (CD, USB, iPod, BT Audio and VCDC (if available)).
- J. Tune Knob (AM, FM)  
Page Up/Page Down (Menu Control)  
Back (Menu Control).




## Head Unit Standard




- K.  Mute sound button, (AM, FM, CD, USB, iPod, BT Audio and VCDC (if available)).
- L. **AUX**, Auxiliary selection button, Front, Rear, DVD (if available).
- M.  Phone button (Bluetooth-Phone).
- N. **MEDIA**, Media selection button CD, USB, iPod, BT Audio and VCDC (if available).
- O. **RADIO**, Radio Source Selection button (AM, FM).
- P. Touch screen (Radio, Media, Navigation, Rear View Camera,).

Steering Wheel Remote Control



- A. **TRIP**, Trip selection button.
- B. , Scroll up/down wheel, Radio (Next/Previous Favourite Preset) Media (Next/Previous track).
- C. **AUDIO**, Audio Source selection button (Radio and Media).
- D. , Bluetooth Phone accept/reject call button.
- E. , Volume scroll wheel (Radio, Media, Bluetooth Phone). Mute button (all media except Navigation, if available).
- F. **NAV** (if available), Navigation menu selection button.

## Operation

1. Press **O** to turn the infotainment system on or off.
2. Turn  to adjust the volume.

## Basic Settings



### Clock accuracy

Clock accuracy may drift over times. Better clock accuracy can be achieved through synchronization with RDS clock time (for countries with RDS clock time), or GPS clock (for system with navigation).

### Setting the Clock

The time and date as well as the Time and Date Format can be set.

### Setting the Date/Time Format

1. Press the **CONFIG** button.
2. Touch the **System** tab.
3. Touch **Date/Time Format**.
4. Touch **12 hr.** or **24 hr.**, the option selected is indicated by .
5. Touch **dd mm yyyy** (23/02/2009) or **dd mmm yyyy** (23rd February 2009); the option selected is indicated by .
6. Touch **Back** to leave the menu.

### Setting the Time

1. Press the **CONFIG** button.
2. Touch the **System** tab.
3. Touch **Set Time** to access the **Set Time** menu.
4. Touch **▼** or **▲** to set the **Hour**, **Minute** and **AM/PM** settings.
5. Touch **OK** to store the settings
6. Touch **Back** to leave the menu.

OR

1. Touch and hold the **TIME** and repeat steps 3 to 6 above.

### Setting the Date

1. Press the **CONFIG** button.
2. Touch the **System** tab.
3. Touch **Set Date** to access the **Set Date** menu.
4. Touch **▼** or **▲** to set the **Day**, **Month** and **Year** settings.
5. Touch **OK** to store the settings
6. Touch **Back** to leave the menu.

### Setting the Display Brightness

In this menu the display brightness can adjusted.

1. Press the **CONFIG** button.
2. Touch the **System** Tab.
3. Touch **Display**.
4. Touch **◀** or **▶** to adjust the display brightness.
5. Touch **Back** to leave the menu.

### Start up Screen

In this menu the start up screen can be enabled or disabled.

1. Press the **CONFIG** button.
2. Touch the **System** Tab.
3. Touch **Start Up Screen**.
4. Select either **Start Up Screen ON** or **OFF**.
5. Touch **Back** to leave the menu.

### Lockouts

In the **Driving Lockouts** menu Lockouts can be switched On or Off. When selected the text entry into these features are locked out while the vehicle is moving.

1. Press the **CONFIG** button.
2. Touch the **System** Tab.
3. Touch ▼ or ▲ and select the second System menu screen.
4. Touch **Driving Lockouts**.

5. Touch the **On** or **Off** option for **Phone** and/or **NavTextEntry**; the option selected is indicated by ●.
6. Touch **Back** to leave the menu.

### Changing the Language

In the **Language** menu the Display Language can be changed.

1. Press the **CONFIG** button.
2. Touch the **System** Tab.
3. Touch ▼ or ▲ and select the second System menu screen.
4. Touch the **Language** option.
5. Touch the language button of the language you want to select; the option selected is indicated by ●.
6. Touch **Back** to leave the menu.

### Restore Factory Settings

With this option you can restore the factory settings.

**Note:** All Radio and Navigation favourites will be erased.

1. Press the **CONFIG** button.
2. Touch the **System** Tab.
3. Touch ▼ or ▲ and select the second System menu screen.
4. Touch **Restore Factory Settings**.
5. Press **OK** if you want to restore the factory setting, press **Cancel** to exit without resetting the factory settings.



### GPS Clock Sync (if available)

With this option you can synchronise the clock of the Infotainment system via GPS.

When activated the system clock will only be able to adjust in 30 minute increments to account for changes in time zone.

1. Press the **CONFIG** button.
2. Touch the **System** Tab.
3. Touch ▼ or ▲ and select the second System menu screen.
4. Touch **GPS Clock Sync**.
5. Touch **On** or **Off** and switch **On** or **Off** the option; the option selected is indicated by ;.

### Adjusting the Tone (Treble, Bass, Midrange)

With this option you can adjust the tone to your personal taste. The bass, midrange or treble can only be adjusted while the Equalizer is set on Custom. Bass, Midrange and Treble can be adjusted between -12 through +12.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch the **Bass/Treble** option.
4. **Treble**: Touch ◀ or ▶ and increase or decrease the treble.
5. **Midrange**: Touch ◀ or ▶ and increase or decrease the midrange.
6. **Bass**: Touch ◀ or ▶ and increase or decrease the bass.
7. Touch **Back** to leave the Bass/ Treble menu.

### Adjusting Fader and/or Balance

With this option you can adjust the sound balance between the front and rear speaker to your personal taste.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch **Fader/Balance**.
4. **Fader**: Touch > or < to adjust the sound balance between the front and rear speakers.
5. **Balance**: Touch ◀ or ▶ to adjust the sound balance between the left hand and right hand speakers.
6. Touch **Back** to leave the menu.

### Setting the Equaliser

The equalizer enables the user to control the sound of the Infotainment system.

With Custom you can adjust the Bass/Midrange/Treble tone to your personal taste (see **Adjusting the Tone**).

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch **Equaliser**.
4. Touch the option required; the option selected is indicated by ;.
5. Touch **Back** to leave the menu.

### Setting the Speed Dependent Volume Control (SDVC)

The SDVC system adjusts the audio system volume depending on the vehicle's speed.

As the vehicle's speed increases, the volume of the audio system also increases to compensate for the driving noise.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch **Speed Dependent Volume Control**.
4. Touch the option required; the option selected is indicated by ;.
5. Touch **Back** to leave the menu.

### Setting the Dynamic Distortion Limiter (DDL)

Your audio system is equipped with a system that limits the amount of amplifier distortion you can hear. When the limit is reached the volume will not be able to be increased.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch **Dynamic Distortion Limiter**.
4. Touch the option required; the option selected is indicated by ;.
5. Touch **Back** to leave the menu.

### Switching the Loudness On/Off

The Loudness feature automatically boosts the bass and treble response at low volume levels.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch ▲ or ▼ to select the **second** Audio Settings page.
4. Touch **Loudness**.
5. Touch **On** or **Off** to either switch Loudness **On** or **Off**. The option selected is indicated by ;.
6. Touch **Back** to leave the menu.

### Setting the Voice Guidance volume and switching it On or Off (if available)

This option allows you to adjust the Navigation Advice Volume and to turn the Voice Guidance On or Off.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch ▲ or ▼ to select the **second** Audio Settings page.
4. Touch **Voice Guidance Volume**.
5. **Voice Guidance:**  
Touch **On** or **Off** to either switch **Voice Guidance On** or **Off**; the option selected is indicated by ;.
6. **Voice Guidance Volume:** Touch ▲ or ▼ to adjust the voice guidance volume.
7. Touch **Back** to leave the menu.

### Selecting the Voice Guidance Output Speakers (if available)

This option allows you to select the Voice Guidance Output Speakers via which the Voice Guidance can be heard.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch ▲ or ▼ to select the **second** Audio Settings page.
4. Touch **Voice Guidance Speakers Output**.
5. Touch either **Driver**, **Front** or **All** to select speakers via which the Voice Guidance can be heard.
6. Touch **Back** to leave the menu.

### Changing the TA, Phone or Startup Volume

Via this menu you can adjust the basic volume settings for either the TA Announcements, the Phone **Phone conversations** and **Starting up** your Infotainment system.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch ▲ or ▼ to select the **second** Audio Settings page.
4. Touch **Volume**.
5. TA: Touch ◀ or ▶ to adjust the TA volume.
6. **Phone:**  
Touch ◀ or ▶ to adjust the Phone volume.
7. **Startup:**  
Touch ◀ or ▶ to adjust the Start up volume.
8. Touch **Back** to leave the menu.

### Switching Surround Sound On or Off (if available)

This option allows you to switch On or Off the Surround Sound.

1. Press the **CONFIG** button.
2. Touch the **Audio** Tab.
3. Touch ▲ or ▼ to select the **second** Audio Settings page.
4. Touch **Surround**.
5. Touch **On** or **Off** to either switch Surround Sound **On** or **Off**. The option selected is indicated by ;.
6. Touch **Back** to leave the menu.

## General Information

### Radio Reception

Frequency interference and static can occur during normal radio reception if items such as cell 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.

## AM-FM Radio

### AM Band

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. For better radio reception, most AM radio stations boost the power levels during the day, and then reduce these levels during the night.

Static can also occur when things like storms and power lines interfere with radio reception. When this happens, try reducing the treble on the radio.

### FM Stereo Band

FM signals only reach about 16 to 65 km. 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.

## Radio Settings


### Autoseek Sensitivity

With this settings the autoseek sensitivity can be changed.

When Local is selected, the Radio will seek strong signal stations.

When Distant is selected, the Radio will seek weak signal stations.

When Auto is selected the first sweep of the frequency band will search Local stations and the second sweep will search Distant stations.


1. Press the **CONFIG** button, then touch the **RADIO** tab.
2. Touch **Autoseek Sensitivity**.
3. Touch either the **Local**, **Distance** or **Auto**. The option selected is indicated by .
4. Touch **Back** to leave the menu.

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### FM Radio Text


With this setting FM Radio Text can be switched on/off. If additional RDS information is received from the currently tuned radio station it then appears on the touch screen.

1. Press the **CONFIG** button, then touch the **RADIO** tab.
2. Touch **FM**.
3. Touch either **ON** or **Off** to switch **Radio Text On** or **Off**. The option selected is indicated by .
4. Touch **Back** to leave the menu.

### FM Alternate Frequency


If the current FM station becomes to weak and Alternate Frequency is switched on, the radio switches to a stronger RDS capable station with the same Program Identifier code.

1. Press the **CONFIG** button; then touch the **RADIO** tab.
2. Touch **FM**.

3. Touch either **On** or **Off** to switch **Alternate Frequency On** or **Off**. The option selected is indicated by .
4. Touch **Back** to leave the menu.

### Manual Tune

With this setting you can switch the Frequency bar On or Off.

1. Press the **CONFIG** button, then touch the **RADIO** tab.
2. Touch **Manual Tune**.
3. Touch **Off** to switch the Frequency bar Off or touch **On** to switch the Frequency bar On. The option selected is indicated by .
4. Touch **Back** to leave the menu.

### Station Search

#### Selecting a band

Press the **RADIO** button or press the tab to either select AM or FM. The selected band is shown by the tab on the touch screen.

### Manual seek

With this function you can manually tune to a radio station.

1. Press the **RADIO** button to either select the AM or FM band.
2. Turn the **TUNE/BACK** knob clockwise or anticlockwise, or press **<<** or **>>** to tune to the next available radio station.

### Seek

With this function you can automatically seek for the next or previous radio station. During seek Audio is muted.

1. Press the **RADIO** button to either select the AM or FM band.
2. Press **<<** or **>>** on the head unit or the touch screen. The radio seeks for the previous or next strong radio station in the selected band.

**Preset Stations**

This Infotainment System offers 3 Favourite Lists and 2 Autostore Lists (one for AM and one for FM), with 5 presets in each list. The Favourite Lists are common across AM and FM.

**Storing radio stations in the Autostore List**

This function scans the entire band, selects the stations with the best reception quality and stores them in the AM or FM Autostore List.

1. Press the **RADIO** button to either select the AM or FM band.
2. Touch **MORE**.
3. Touch **Show Autostore**, AM or FM Autostore list will now be enabled.
4. Touch **MORE**.

5. Press **Autostore Search**, the **Autostore** pop up appears. AutoStore scans the corresponding band and stores the first 5 strongest stations. When Autostore is completed the first stored station is selected.
6. To cancel Autostore, press **Cancel** on the Autostore pop up.

**Storing a radio station in the Favourite Lists**

With this function you can store a radio station under any Preset.

1. Press the **RADIO** button to either select the AM or FM band.
2. Seek for a radio station either manually or automatically.
3. Press and hold the **Preset** soft key you want to store the station. After the station is stored a beep sounds.

**Recall a favourite station**

With this function you can recall a station from the Favourite Lists.

1. Press the **RADIO** button to either select the AM or FM band.
2. Touch the preset key you want to listen to.

**RDS (Radio Data System)**

Your vehicle is equipped with an RDS infotainment system. RDS stands for Radio Data System, which encodes information on the system's FM frequency only. When you are tuned to an RDS station, the station name appears on the display. Many radio stations transmit RDS information but not all, so it is possible that this feature is not operable in some regions.

The following data is available on your infotainment system:

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### **PS (Program Service name):**

Allows you to display the Program Service Name along with the frequency, if the radio station provides it.

### **PTY (Program TYPe):**

Allows you to seek only for stations with the types of programs you want to listen to.

### **TA (Traffic Announcement):**

Allows you to receive traffic information.

### **Radio text:**

Allows you to receive and display messages from radio stations.

### **PTY Alarm (Program TYPe Alarm):**

Allows you to receive announcements concerning local and national emergencies.

### **AF (Alternative frequency):**

Automatic re-tuning to the best alternative frequency.

### **EON (Enhanced Other Networks):**

Automatic fade-in of traffic announcements of other stations.

### **Switching TA on (FM only)**

With TA switched On and a TA transmitted from the radio station, these Traffic Announcements will be audible via the Radio.

1. Press the **RADIO** button select the FM band.
2. Touch the **More** soft key, then touch **TA On**. **TP Search** pops up and the Radio searches for available TP stations.
3. If you want to stop TA Search, touch **Cancel**.
4. If no TP station is found, **No TP Station** will pop up.
5. If a TP station is found, **TA** will be displayed on the Touch Screen.
6. When performing **Auto seek** only TP Stations will be searched for.

7. When a Traffic Announcement is received the corresponding pop up will be displayed.

### **Program Type (PTY) Seek (FM only)**

With this function you can to tune to Program Type based stations rather than station based on frequencies. There are 6 categories are available: Pop, Country, Rock, Classical, Jazz and Any.

1. Press the **RADIO** button select the FM band.
2. Touch the **More** soft key, then touch **PTY List**. The PTY List is shown.
3. Touch the required Program Type (e.g. NEWS). 4. The radio will seek for stations with the Program Type **NEWS**. If a NEWS station is found, **NEWS** will be displayed on the Screen below the corresponding radio station.



## Audio Players

### CD Player

Your infotainment system may be equipped with a CD player or a virtual CD changer (VCDC).

### Compact disc player (CD player)

If your infotainment system is equipped with a single CD player you can only play one CD at a time.

### Virtual Compact Disc Changer (VCDC player)

If your infotainment system is equipped with a virtual CD player you can store CD's in the internal memory of your infotainment system and play every single CD like in any regular CD changer.

### Warning

If a label is added to a CD, or more than one CD is inserted into the slot at a time, or an attempt is made to play scratched or damaged CD's, the CD player could be damaged. While using the CD player, use only CD's in good condition without any label, load one CD at a time, and keep the CD player and the loading slot free of foreign materials, liquids, and debris.

### MP3

On your CD player you can also play MP3 files. The total number of files and folders that can be searched is limited to a pre-defined value.

- The maximum entries per folder is 255 (entries can be folders or files).
- The maximum numbers of playable files is 999.
- Additional files and folders will be ignored.

### Root Directory

The root directory is treated as a folder. All .mp3 files in the root directory are accessed before folders in the root directory.

### Empty Directory or Folder

Empty folders and directories will not show on the display. The system will ignore empty directories and folders and advance to the next directory or folder that has .mp3 files in it.

### No Folder

On a CD that contains only .mp3 files in the root directory the next and previous folder functions do not work.

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### **File System and Naming**

The infotainment system shows track names that are shorter than 39 characters, names that are longer will be shortened. The radio will show the track name as:

- The song name that is in the ID3 tag.
- The file name without the file extension if the song name is not in the ID3 tag.

## CD Player

### General information

This is a Class 1 laser product.



#### Warning

Avoid inserting any foreign objects into the slot of this player. Failure to observe this may cause malfunction due to the precise mechanism of this unit.

### Information on disc formats

The CD player supports the following kind of discs:

- Mixed Mode CD's
- Copy Protected CD's
- CD-Audio (CD-DA)
- CD-R
- CD-RW

The CD player supports the following media types:

- CD-Audio (CD-DA) according to the Red Book standard.
- CD-R/RW (in accordance with Orange Book, part 2/3)
- Multi-session CD (in accordance with multi-session CD specification 1.0).
- MP3
- WMA

### Please note:

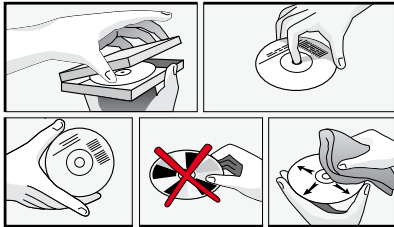
- Only closed session discs can be read. Open session discs will be ignored. The message **Disc Error** will be displayed.
- If a disc is erroneous (unreadable formats, unsupported formats, no tracks), then **Disc Error** message is displayed for 2 seconds and the disc is ejected.
- Depending on the type of CD-R/CD-RW CDs, certain CDs may not operate normally according to manufacturing companies or making and recording methods. In such circumstances, if you still continue to use those CDs, they may cause the malfunction of your car audio system.

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### Playing an incompatible Copy Protected Audio CD

Some copy protected CDs which do not comply with the international audio CD standards (Red Book), may not play on your car audio. Please note that if you try to play copy protected CDs and the CD player does not perform correctly the CDs may be defective, not the CD player.

### Handling CDs



- Avoid leaving fingerprints on the CD when removing it.
- Always store any CDs in their protective covers.

- Always ensure that CDs are clean and dry before inserting.
- Protect CDs from heat and direct sunlight.

### Cleaning the unit

Do not clean using cleaning fluid, alcohol or other solvents. Use only a damp cloth.

### Inserting a CD

1. Insert an Audio CD into the CD slot.

**Loading CD** appears on the Screen.

The first track of the CD is played automatically.

### Ejecting a CD

1. Touch ▲ to eject a CD from the CD slot.

**Eject CD** appears on the Screen.

### Pausing/Playing a CD

Touch || to pause the CD.

Touch ▶ to play the CD.

### Go to the next or previous track

1. Press the >>| button or soft key to go to the next track.

### Replay the current track.

1. Press the |<< button or soft key to replay the current track.

### Go to the previous track

1. Press the |<< button or soft key twice within 5 seconds to select and play the previous track.

### Fast Forward/Backward

With this function you can advance the track being played forward and backward.

1. Press and hold either the >>> or <<< button or soft key to fast-forward or fast-backward the current track, or

**Scan Track**

1. Touch **More** to open the options menu.
2. Press **Intro Scan** to activate the Scan Track option.

The next track is selected and played for 10 seconds then the following track is played for 10 seconds until the starting track is reached.

**Playing an MP3 CD**

**Browsing the Media List and playing a Track**

With this function you can browse and navigate through the Media List, select a track and play it.

1. Insert a MP3 CD into the CD slot.

**Loading CD** appears on the Screen.

The first track of the CD is played automatically, the Song Title, Artist Name and Album Name are shown.

2. Touch **Browse** to open the file list, MP3 files and folders appear.
3. Touch **▲** or **▼**, or rotate the Tune knob left or right to scroll the files and folders.
4. Touch the title, to play the title or touch the folder, to open the folder.
5. Touch **Back** to leave the menu.

**Repeat current track/folder/Off**

With this function you can repeat the current folder or track, and you can switch off this function.

1. Touch **Repeat** to repeat the current track.
2. Touch **Repeat twice** to repeat the current folder.
3. Touch **Repeat 3 times** to switch Off the Repeat folder/file function.

**Random Disc ON/OFF**

With **Random** disc ON, all tracks on the CD are played in a non-sequential order without the same track repeated before all other tracks are played.

1. Touch the **CD** tab on the Touch screen.
2. Touch the **More** soft key, then touch **Random** to switch Random play On or Off.

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**Virtual CD Changer** (if available) (CD-DA only)

### Notes on Virtual CD

- The Infotainment system will only store audio CD's into the VCDC. MP3 and WMA files on a CD cannot be stored into the VCDC.
- The Infotainment system will stop CD playback while storing the audio CD into the VCDC.
- The Infotainment system will always start playback from the first track after storing the audio CD into the VCDC

### Storing an Audio CD

With this function you can copy an entire Audio CD into the flash memory.

1. Insert an Audio CD in the CD slot.  
The first track of the CD is played.

2. Touch **Store CD**.

The currently playing disc will be stored in a free slot. A pop up appears that shows the storage process. The number of remaining empty slots is also shown.

3. Touch **Stored CDs** tab to view all discs stored in the memory.

### Notes on storing CD's:

- When pressing the **Stored CD** tab with no discs stored in the memory, the information **No stored discs** is displayed.
- Playback of the Audio CD will not be available while the disc is being stored.

### Renaming a disc

1. Touch the **Stored CDs** tab.
2. Touch the **Discs** soft key, the list with memorised CD is shown. If the disc, you want to rename is not shown in the list, touch ▲ or ▼, or rotate the **TUNE** knob left or right to scroll through the stored CDs.
3. Touch the disc you want to rename.
4. Touch **Rename** and the keyboard appears.
5. Use the keyboard to enter the new name.
6. Press **OK** to confirm the changes. The pop up **Disc Renamed** appears.
7. Press **OK**.

**Deleting a Disc**

1. Touch the **Stored CDs** tab.
2. Touch the **Discs** soft key, the list with memorised CD is shown.  
If the disc, you want to rename is not shown in the list, touch ▲ or ▼, or rotate the **TUNE** knob left or right to scroll through the stored CDs.
3. Touch the disc you want to delete.
4. Press the **Delete** soft key, the **Delete \*\*\*** pop up appears.
5. Press **OK** to confirm the deletion of that CD title.  
After deletion the corresponding slot shows **<No Disc>**.

**Deleting All Discs**

1. Touch the **Stored CDs** tab on the Touch screen.
2. Touch the **Discs** soft key, the list with memorised CD is shown.
3. Press the **Delete** soft key.
4. Press the **Delete All** soft key, the Delete All Discs ? pop up appears.
5. Press **OK** to confirm the deletion of all CDs.  
After deletion all slots show **<No Disc>**.

**Playing a track from a stored disc**

1. Touch the **Stored CDs** tab on the Touch screen.
2. Touch the **Discs** soft key, the list with memorised CD is shown.  
If the disc, you want to view is not shown in the list, touch ▲ or ▼, or rotate the **TUNE** knob left or right to scroll through the stored CDs.
3. Touch the disc you want to play.
4. Touch the track you want to play.  
Playback of the disc will commence from that track.

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### AUXILIARY DEVICES

#### General Information

You can connect auxiliary devices like an iPod to your infotainment system. All media types that are supported by the iPod can be played.

The Auxiliary Input Connector (3.5 mm plug) is located under the lid of the centre console, next to the USB connector.

#### Warning

The newly introduced iPod with new firmware may not be 100% compatible and may not be supported by the system.

#### Connecting an iPod

1. Connect the iPod by means of the USB cable, delivered with the iPod, to the USB port of your infotainment system. The iPod is automatically detected by the system.
2. The **iPod Connected...** pop up appears on the screen.
3. The iPod menu appears on the screen and the iPod is now the current source.
4. The Infotainment system plays the track last played on the iPod. If there are no playable tracks in the iPod, the message **No songs in iPod** is displayed and the previously used source will be selected.  
If the connected iPod is not working or the system is not able to detect the iPod, the message **iPod ERROR** appears and the previously used source will be selected.

#### Disconnecting the iPod

1. Unplug the iPod from the Infotainment system.
2. The **iPod Disconnected...** pop up appears on the screen. **Please connect iPod** will appear for a few seconds and the previously used source will be re-selected.

#### Searching for a Song via the Playlists

1. Touch **Browse**, the iPod Music menu appears, showing:
  - Playlists
  - Artists
  - Albums
  - Songs
  - Genres
2. Touch the **Playlists** option. The playlists appear on the screen.
3. Touch **▲** or **▼**, or rotate the tune knob left or right to scroll the playlists.



4. Touch the playlist you want to open.
5. Touch ▲ or ▼, or rotate the tune knob left or right to scroll this playlist and touch the track you want to play.

**Searching for a Song via the Artist list**

1. Touch **Browse**.
2. Touch the **Artists** option.  
The list of **Artists** appears on the screen.
3. Touch ▲ or ▼, or rotate the tune knob left or right to scroll the **artists** list.
4. Touch the artist name you want to listen to.
5. Touch the **All Songs** soft key.
6. Touch ▲ or ▼, or rotate the tune knob left or right to scroll list of songs and touch the song you want to play.

**Searching for a Song via the Albums list**

1. Touch **Browse**.
2. Touch the **Albums** option.  
The list of **Albums** appears on the screen.
3. Touch ▲ or ▼, or rotate the tune knob left or right to scroll the list albums.
4. Touch the **album** name you want to listen to.
5. To play the first song touch the first song on the screen or touch ▲ or ▼, or rotate the tune knob left or right to scroll list of songs and touch the song you want to play.

**Searching for a Song via the Songs list**

1. Touch **Browse**.
2. Touch the **Songs** option.  
The list of **Songs** appears on the screen.
3. Touch ▲ or ▼, or rotate the tune knob left or right to scroll the **Songs** list.
4. Touch the **Song** you want to play.

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### Searching for a Song via the Genres list

1. Touch **Browse**.
2. Touch the **Genres** option.  
The **Genres** list appears on the screen.
3. Touch ▲ or ▼ to scroll the **Genres** list.
4. Touch the **Genre** you want to play.
5. Touch **All Albums**.
6. Touch **All Songs**.
7. To play the first song, touch the first song on the screen or touch ▲ or ▼, or rotate the tune knob left or right to scroll the list and touch the song you want to play.

### Playing Songs in Random order

With this option switched On, songs in the iPod are played in random order.

1. To switch **Random play** On/Off touch **Random** on the iPod tab.

### Playing a Song in Repeat mode

With this option switched On, the currently played song will be repeated until this mode is switched Off.

1. To switch **Repeat play** On/Off touch **Repeat** on the iPod tab.

### Pausing/Playing the iPod

1. Touch || to pause the iPod.
2. Touch ▶ to play the iPod.

## USB Devices

### General Information

You can connect USB devices like a USB Stick to your infotainment system. The USB connector is located under the lid of the centre console.

#### ⚠Warning

- We strongly recommend only using USB sticks (thumb drives) of well-known manufacturers.
- On no account must other USB devices such as hard discs or other digital equipment or multi plug USB hub be connected to the USB hub. Connecting other devices can cause malfunction or even destroy the audio equipment.
- Avoid using the USB memory when it might hinder your safety driving.

#### ⚠Warning

- It is possible that noise is heard during playback when using the AUX-IN together with the power outlet due to system-related not a malfunction. If this happens, use the power source of the AUX device.
- In rare cases it is possible that an USB stick (thumb drive) is not recognized by the unit or may cause a malfunction. Please only use USB sticks that comply with the USB thumb drive specifications.

#### Notes on USB:

Due to constant changes of USB products in the market and their respective Software, it can be possible that some of the USB devices are not compatible with this infotainment system.

To ensure good compatibility with the infotainment system the file system for the USB devices should be FAT32.

The following file formats with the file extension **\*.mp3** or **\*.wma** are supported:

- MP3 (MPEG 1 Layer 3)
- WMA (Windows Media Audio)

The total number of files and folders that can be searched is limited to a pre-defined value.

The MP3 player is able to read and play a maximum of:

- The maximum entries per folder is 255 (entries can be folder or file).
- The maximum numbers of playable files is 999.
- Additional files and folders will be ignored.

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### Connecting a USB device to the Infotainment system

1. Connect the USB device to the infotainment system.  
The USB device is automatically detected by the system.
2. The **Reading Media ....** pop up appears on the screen.  
If there are no playable tracks in USB device, the message USB Device Empty appears and the previously used source will be selected.
3. The USB menu appears on the screen and USB is now the current source.
4. The Infotainment system plays the first track in the Root directory.

### Disconnecting the USB device

1. Remove the USB device from the Infotainment system.
2. **The Media Disconnected...** pop up appears on the screen and previously used source will be re-selected.

### Pausing/Playing a song

1. Touch **||** to pause the song.
2. Touch **▶** to continue playing the song.

### Go to next track

1. Touch **>>|** go to the next track.

### Replay the current track.

1. Touch the **◀◀** button or soft key to replay the current track.

### Go to the previous track

1. Touch **◀◀** twice within 5 seconds to select and play the previous track.

### Fast Forward/Backward

With this function you can advance the track being played forward and backward.

1. Touch and hold either **>>|** or **◀◀** to fast-forward or fast-backward the current track, or

### Repeat current track/folder/Off

With this function you can repeat the current track or folder, and you can switch off this function.

1. Touch **Repeat** to repeat the current track.
2. Touch **Repeat twice** to repeat the current folder.
3. Touch **Repeat 3 times** to switch Off the Repeat track/folder function.

**Random folder/ Random all/  
Random off**

With this function you can play the folder or all tracks at random and you can switch off this function.

1. Touch **More** to play the tracks in the current folder at random.
2. Touch **More** again.
3. Touch **Random twice**, to play all tracks at random.
4. Touch **More** again.
5. Touch **Random 3 times** to switch Off the Random folder/ Random all function.

**Go to next/previous folder**

With the buttons on the infotainment system you can select the **next** or **previous** folder.

1. Press either the **>>** or **<<** button on the infotainment system to select the next or previous folder. The first track in the folder will be played.

**Browsing the Media List and playing a Track**

With this function you can browse and navigate through the Media List, select a track and play it.

1. Touch **Browse** in the USB tab. The folders and tracks available on the USB device will be shown in a list.
2. Touch **▲** or **▼**, or rotate the **TUNE** knob left or right to scroll through the tracks and folders.
3. Touch the track, to play the track or touch the folder, to open the folder.

### Bluetooth Audio

#### General Information

On your infotainment system you can play audio from your Bluetooth device. Before you can upload audio, the Bluetooth device must be paired with the Infotainment system (see chapter Bluetooth).

#### Playing/Pausing a song

1. Press the Media button on the head unit or the AUDIO button on the SWRC to select BT Audio.  
The BT Audio tab appears on the touch screen, showing that **Bluetooth Streaming...** has started.
2. After Bluetooth streaming is completed, the first track will play automatically.
3. Press the **||** soft key to pause the song.
4. Press the **▶** soft key to continue playing the song.

#### Go to the next track

1. Press the **>>|** button or soft key to go to the next track.

#### Replay the current track

1. Press the **◀◀** button or soft key to replay the current track.

#### Go to the previous track

1. Press the **◀◀** button or soft key twice within 5 seconds to select and play the previous track.

## Rear Seat Entertainment/ Audio System (RSE/RSA)

### General

Your car may have a CD/DVD Rear Seat Entertainment/Audio (RSE/RSA) system. The RSE/RSA system works with the car's infotainment system.

The RSE/RSA system includes a CD/DVD player, a display screen AUX-jacks, two headphones, and a remote control.

Depending on the type of RSE/RSA in your car, you may have the high series system with:

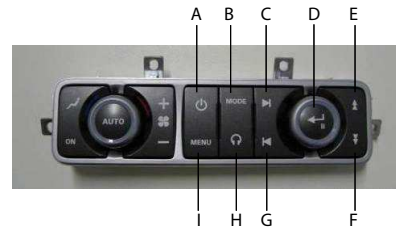
- Two adjustable display screens mounted in back of the front seat head rests,
- Roof mounted DVD player,
- Rear control panel,
- Aux Video/Audio input jack,
- USB input jack,
- Head phone jacks,
- Remote control,
- Two pairs of IR headphones.

or:

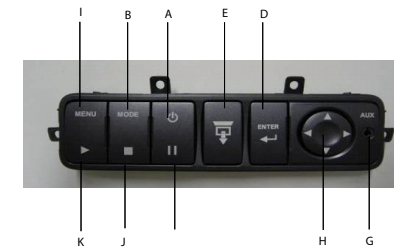
- One single roof mounted fold down display screen.
- Roof mounted DVD player.
- Rear control panel.
- Remote control.
- Two pairs of IR headphones.
- Aux Video/Audio input jack,
- USB input jack

The RSE/RSA system also has a Parental Control feature to protect minors.

### High series



### Low series



### Operating Elements RSE/RSA

- A. ⏻, Power button.
- B. **MODE** button.
- C. ▶ button.
- D. ⏸/Eject button
- E. ▲ button.
- F. ▼ button.
- G. ◀ button.
- H. Head phone button.
- I. MENU button.
- J. Stop button.
- K. ▶ button.
- L. **AUX** connector.

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### Usage

1. Push the release button on the screen.
2. Place the screen to the desired position.

### Adjusting the DVD Video Brightness

1. Press the **Video Brightness** button.
2. Press the - or + button to adjust the video brightness.

### Playing a DVD

This function starts playback of the DVD from the RSE DVD.

1. Insert the DVD into the RSE-DVD drive and press ► to play the DVD.

### Notes:

- If the DVD is ejected whilst playing, the system remains on DVD source until another source is selected.

- If there is an incoming phone call when DVD is playing on full screen size, the system exits the full DVD screen and switches to phone view and DVD playback is paused.
- Viewing a movie on the Front display is only possible at car speeds < 3 km/h. When driving the picture will be replaced by the information **Image not available while driving**.

### Pausing a DVD

1. Press II, to pause a playing DVD.
2. Press II again, to restart playing of the DVD.

### Stopping a DVD

1. Press ■ on either the RSE unit or the head unit, to stop playing the DVD.  
Or
2. Press the MEDIA button and select another source.

If the source is changed whilst the RSE DVD is played, the DVD playback stops and the current play position is remembered. This will be recalled when the RSE DVD is selected again.

### Selecting the Next/Previous Chapter

1. Press >>| to select the next chapter.
2. Press <<| to select the previous chapter.



**Seeking fast forward/backward**

You can seek with x2, x4, x8, x16 or x32 the speed, depending on how often you press the seek button.

1. Press >>1 to seek fast forward.
2. Press 1<< to seek fast backward.

**Navigating through the DVD Menu**

1. Press Menu to select the DVD Menu.
2. Press the navigating buttons to navigate within the DVD.

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### Bluetooth®

#### General Information

Bluetooth® allows users with a Bluetooth® enabled mobile phone to make and receive hands-free calls using the vehicle's audio system and controls.

Bluetooth will also allow users to stream music files from their device if available.

The Bluetooth® enabled mobile phone must be paired with the in-vehicle Bluetooth® system before it can be used in the vehicle. Not all phones will support all functions. For more information visit: [www.holden.com.au](http://www.holden.com.au).

#### Warning

- Don't use a mobile phone when you are driving. Make sure that Bluetooth (if available) is activated before driving.
- If not you must stop at a safe place to use a mobile phone.

#### Pairing

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

- Up to five mobile phones can be paired to the in-vehicle Bluetooth® system.

- The in-vehicle Bluetooth® system automatically links with the first available paired mobile phone in the order the phone was paired.
- Only one paired mobile phone can be connected to the in-vehicle Bluetooth® system at a time.
- Pairing should only need to be completed once, unless changes to the pairing information have been made or the phone is deleted.

**Bluetooth® Pairing Initiated via the mobile phone (In Non Map View)**

1. Enter the Bluetooth menu.
2. Touch **Activate Discoverable Mode**.
3. The pop up **Discoverable for 5 minutes** appears.
4. Use your mobile phone to pair it with the infotainment system. The mobile phone generates a four digit pass code.
5. Enter this code in the pop up **Enter Code**.
6. Press the OK soft key to pair the device.
7. After pairing, the pop up Pairing Complete will appear.
8. Press OK to confirm pairing.

**Pairing a Bluetooth® Device with the Infotainment system**

1. Switch the Bluetooth® device On and prepare it for pairing with the head unit.
2. Press the **CONFIG** button on the head unit.
3. Touch the **Bluetooth** tab on the touch screen.
4. Touch **Pair New Device**. The pop up **Searching for Bluetooth Devices** appears.
5. The detected Bluetooth® devices are shown.
6. Touch the detected Bluetooth® device. The pop up **Enter code XXXX into device** appears.
7. Enter the shown code into the mobile phone to start pairing. If pairing failed, the pop up **Pairing Failed** appears on the touch screen. If pairing was successful, the pop up **Pairing Completed** appears on the touch screen.

8. Pairing is now completed. You can add up to 5 devices to the **Paired Devices** list.

**Deleting a Bluetooth® Device**

1. Press the **CONFIG** button on the head unit.
2. Touch the **Bluetooth** tab on the touch screen. The list of paired devices is shown.
3. Touch the mobile phone you want to delete.
4. Press the **Delete** soft key to delete the selected device. The pop up **Delete YYYY Phone** appears.
5. Press the **OK** soft key to delete the previously selected device. The corresponding device will be deleted from the **Paired Devices** list.

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### Connecting another Bluetooth® Device

You can connect another Bluetooth® device and disconnect the currently paired device without deleting the device from the Paired Devices list.

1. Switch the new to be paired Bluetooth® device On and prepare it for pairing with the head unit.
2. Press the **CONFIG** button on the head unit.
3. Touch the **Bluetooth** tab on the touch screen. The Paired Devices appears on the touch screen.  
If there is a current connection, the device is marked with an asterisk on the outer right hand side.
4. Touch the Device to be paired on the **Paired Devices** list.  
The pop up **Connect “XYXY” ?** appears.  
The currently connected device will be disconnected.


5. Press **OK**.  
The pop up **Disconnecting** appears, you might be asked to enter the code into the mobile phone.
6. The pop up **Connecting** of the new paired device appears.
7. If pairing was successful, the pop up **XYXY is connected.** appears on the touch screen.
8. Pairing of the new device is now completed.

### Auto-connecting a Bluetooth® Device


1. Switch the Bluetooth® device On.
2. Switch On the Infotainment system. Bluetooth® is searching for an automatic connection with the device in the Paired Device list.
3. After pairing is completed, the pop up **Device ‘XXXX’ is connected.** will appear.

### Accepting/Rejecting an Incoming Phone Call


When an incoming call is received, audio from the infotainment system is muted and a ring tone sounds via the car speakers. The callers phone number appears on the touch screen in the Bluetooth® Phone tab.

1. Touch the **PHONE** button on the screen or press the  button on the Steering Wheel Control to accept the call.  
On the Bluetooth® phone touch screen the information **Call in Progress**, as well as the callers phone number and the time of the connection are displayed.
2. If you want to reject the incoming call, touch the **HANG UP** button.

### Ending a Call

1. Touch **HANG UP** or press  to terminate a call.

**Making a Direct Outgoing Call**

1. Press the  button on the infotainment system or the steering wheel controls to open the Bluetooth Phone screen.
2. Enter the phone number you want to call by means of the numeric key pad.  
To enter +, press and hold the 0 button.
3. Touch **Send** to dial the entered phone number.  
The phone tries to establish a connection with the entered phone number, on the Bluetooth Phone screen **Calling ...** is shown.

**Making a Call from the Phone's Address Book**

With this feature you can access you phone's address book through the infotainment system.

**Notes on Bluetooth®**

- The infotainment system loads the address book from the mobile phone using PBAP profile. It might take longer than expected to refresh the address book, depending on mobile phone.
  - For phones that support this feature, please refer to: [www.holden.com.au/bluetooth](http://www.holden.com.au/bluetooth)
1. Activate the **Phone** menu screen.
  2. Touch **More**.
  3. Touch **Phone book**.  
The Phone book is shown on the phone menu screen.

4. Touch the name of the person you want to dial.  
If the name of the person is not visible in the list, press ▼ or ▲, or rotate the Tune knob left or right, to select the person from the **Phone book**. After the selection the pop up **Call XYX** appears.
6. Touch **OK** to start dialling.

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### Making a Call from the Missed Calls list

With this feature you can access your phone's missed call list through the infotainment system.

**Note:** Please refer to [www.holden.com.au/bluetooth](http://www.holden.com.au/bluetooth) for phones that support this feature.

1. Activate the **Phone** menu screen.
2. Touch **More**.
3. Touch **Call History**.  
The **Dialled Calls** list is shown on the phone menu screen.
4. Touch **Missed Calls**.
5. Touch the name of the person, whose call you missed and you want to call back.  
If the name of the person is not visible in the list, press ▼ or ▲, or rotate the Tune knob left or right to select the person from the **Missed Calls** list. After the selection the pop up **Call XYX** appears.
6. Touch **OK** to start dialling.

### Making a Call from the Answered Calls list

With this feature you can access your phone's answered call list through the infotainment system.

**Note:** Please refer to: [www.holden.com.au/bluetooth](http://www.holden.com.au/bluetooth) for phones that support this feature.

1. Activate the **Phone** menu screen.
2. Touch **More**.
3. Touch **Call History**.  
The **Dialled Calls** list is shown on the phone menu screen.
4. Press the **Answered Calls** soft key.
5. Touch the name of the person who you want to call back.  
If the name of the person is not visible in the list, press ▼ or ▲, or rotate the Tune knob left or right to select the person from the **Answered Calls** list. After the selection the pop up **Call XYX** appears.
6. Press **OK** to start dialling.


### Making a Call from the Dialled Calls list

With this feature you can access your phone's dialled call list through the infotainment system.

**Note:** Please refer to: [www.holden.com.au/bluetooth](http://www.holden.com.au/bluetooth) for phones that support this feature.

1. Activate the **Phone** menu screen.
2. Touch **More**.
3. Touch **Call History**.  
The **Dialled Calls** list is shown on the phone menu screen.
4. Touch the name of the person, you want to call from the Dialled Calls list.  
If the name of the person is not visible in the list, press the ▼ or ▲, or rotate the **Tune** knob left or right to select the person from the **Dialled Calls** list. After the selection the pop up **Call XYX** appears.
6. Touch **OK** to start dialling.

**Making a call from voice tag (if available)**

1. Press the  button on the infotainment system or the steering wheel controls twice to trigger the voice tag. The **Phone** screen appears showing the message **Say Name**.
2. Speak the Name of the Contact you want to call.
3. The phone will proceed to dial the voice tag requested.
4. After having finished the call the to the previously selected source.

**Receiving a discrete phone call in map view**

The ring tone is audible via the car speakers and **Voice In** appears Audio Status bar.

1. Press the **PHONE** button on the steering wheel controls to accept the call.

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### **Rear View Cam (if available)**

#### **General Information**

Your infotainment system is connected to a rear view camera. When you engage the reverse gear the display shows the image of the situation behind your car.

#### **Activating/Deactivating the Rear View Cam**

1. Press the **CONFIG** button.
2. Touch **Rear View Camera**.
3. Touch **On** or **Off** to either switch the **Rear View Camera On** or **Off**.
4. Touch **Back** to return to the previously selected source.



## HELP System

### General Information

Your infotainment system is equipped with a Help system to assist you when operation your system.

### Activating/Deactivating the Help feature

1. Press the **?** button to open the **Help** tab.
2. To get help on **Features** touch **Feature Help**.
3. To get **Help** on operating buttons, touch **Button Help**.
4. To leave the **Help** feature, touch

Close.

### Help on Features

Via **Feature Help** you can access help topics on features, These help topics are subdivided into main and sub topics.

The main topics are:

- Radio;
- Radio configuration;
- Media;
- Aux;
- Bluetooth Phone;
- Bluetooth Pairing;
- Navigation;
- Navi Configuration
- Traffic,
- Configuration;

- STATUS BAR

### Selecting Help on Features

1. Press the **?** button to open the **Help** tab.
2. Touch **Feature Help**.
3. Touch **▲** or **▼**, or rotate the **TUNE** knob left or right to browse the main topic list.
4. Touch the main topic you require information about.
5. Touch **▲** or **▼**, or rotate the **TUNE** knob left or right to browse the sub topic list.
6. Touch the sub topic you require information about.
7. If highlighted, touch **▼**, or rotate the **TUNE** knob right to select the second page of this very sub topic.

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8. Touch **Back** to exit the screen.

### Help on Buttons

Via **Button Help** you can access help topics on the button functions.

The button functions are:

- MUTE;
- EJECT;
- RADIO;
- MEDIA;
- AUX;
- PHONE;
- HELP;
- NAV;
- MAP,
- BACK;
- POWER;
- LEFT ROTARY;
- RIGHT ROTARY;
- TRACK UP / DOWN;

- FOLDER NEXT / PREV.

### Selecting Help on Buttons

1. Press the **?** button to open the **Help** tab.
2. Touch **Button Help**.
3. Touch **▲** or **▼**, or rotate the **TUNE** knob left or right to browse the button function list.
4. Touch the button function you require information about.
5. Touch **Back** to exit the screen.

## Navigation

Your vehicle is equipped with a Navigation System that allows you to plan a route and provides map guidance with voice prompts during driving.

But it is possible that the information in the system may not always be up-to-date. Road conditions, such as detours, road construction works and posted speed limits change frequently. It is important to consider whether or not you can safely and legally follow the directions given by the system.

The system may also interact with the radio to receive broadcast announcements on traffic and emergency alert communications.

## General Information

Before you begin to operate this system, please read this document thoroughly to familiarize yourself with the system controls and operation. That way, you will be able to use this system with less effort and less distraction from the road.

- If an inoperable function is selected, the system may display a message indicating that the function is not available.

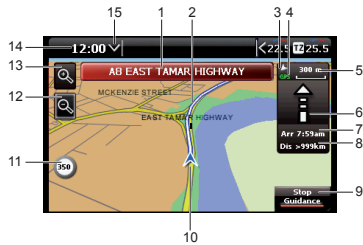
### **Warning**

Giving extended attention to navigation tasks while driving will greatly increase the risk of a collision that may cause personal injury or death.

Road safety has absolute priority! Only operate this system if the road and traffic conditions allow you to do so.

The driver's full attention is always required while driving. Use voice guidance directions whenever possible!

### Map display



1. Name of the Road to turn into (next change of direction)
2. The plan route highlighted in white.
3. Compass : The arrow points north. Touch this icon to toggle the map appearance between North Up, Heading Up or 3D Map view.
4. GPS : Status of the GPS reception. Green indicates at least 4 satellites are available. Yellow indicates at least 3 satellites are available. Red indicates no satellite is available.

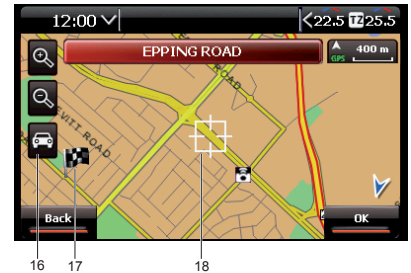
5. Selected map scale. Touch this to hide or view the graphical presentation of the direction of travel.
6. Turn-off prompt: A graphic display of the next junction or turn -off. In addition, directional changes are announced with voice guidance. Touch this graphic display to repeat the voice guidance.

7. Estimated arrival time.
8. Distance to the next change of direction.
9. Touch to stop the guidance.
10. Vehicle position, arrow indicates current direction of travel.
11. Road speed limit icon (only when speed limit data is available on current road). If vehicle speed is below the designated road speed limit, icon is grey in colour. If vehicle speed is above the designated road speed limit,

icon is red in colour. Note: the documented displayed speed limit may vary from the current posted speed limit.

12. Zoom out
13. Zoom in
14. Current time
15. Touch this to switch between current mode and clock display.

### Destination flag



16. Current Position icon: The scroll map function allows user to view other part of the map which is not currently visible. Tap on the point on the map and the systems

bring that point to the centre of the screen. Touch the car position icon to go back to the current car position.

17. After a route has been planned a destination flag (depending on the scale of the map display) will appear on the map to show your destination.
18. Select destination from map: This function allows you to select any point on the map and takes the address of the selected point as destination address.

### Navigation maps

The navigation maps are stored on a SD-card in the infotainment system. If you need to update the maps, please contact your GMH dealer.

### Configuring the Navigation System

You either can change the Configuration Settings or view Navigation Information via **Nav Config**. option.

Available are:

- Appearance of the map;
- Auto Zoom On or Off;
- Traffic Management Settings;
- Points of Interest;
- Alert Points;
- Alert Feedback On or Off;
- Speed Limit Warnings On or Off;
- GPS Status;
- System Information

### Entering the Navigation Configuration Menu

1. Press the **NAV** button.
2. Touch the **Nav Config** tab.
3. Touch **▼** or **▲** to select next or previous page of **Navigation Configuration** menu.

### Map Appearance

With this setting you can change the appearance of the map on the screen.

1. Touch **Map Appearance**, to change the appearance of map according to your personal needs:  
**Map Facing**: either **Heading Up** or **North Up**.  
**Map View**: either **2D** or **3D** (not selectable in **North Up** view).  
**Brightness Mode**: either **Day**, **Night** or **Auto**.
2. Touch **Back** to save the settings and to return to the previous screen.

### Automatic Zoom

With Automatic Zoom switched On the navigation system will automatically zoom in on the approaching manoeuvre point, showing the map more detailed.

1. Touch **Auto Zoom**.
2. Touch either **On** or **Off** to switch Automatic Zoom on or off.
3. Touch **Back** to save the settings and to return to the previous screen.

### Viewing the GPS Status

With this option you can look up the status and accuracy of the GPS signal.

1. Fix :
  - Searching indicates that the system is searching for satellite.
  - Tracking indicates that system finds less than 3 satellites & starts to evaluate the signal quality of the satellites found.
  - “2D Fix” indicates that there are

minimum 3 available satellites to calculate the position.

-“3D Fix” indicates that there are at least 4 available satellites with good signal quality.

2. Current No of Satellites : This indicates the number of available satellites.
3. HDOP (GPS Accuracy) : This numeric value indicates the quality of the satellite reception. The lower the value, the better is the reception quality.
4. Current GPS speed: This is the calculated vehicle speed based on the GPS satellite tracking signal.
5. **Latitude/Longitude:** This indicate the current position of the vehicle on the globe, this information is also based on the GPS satellite signals.  
To view this information:
  1. Press the **NAV** button.
  2. Touch the **Nav Config** tab.
  3. Touch GPS Status.
  4. Touch **Back** to exit and to return

to the previous screen.

### System Information

With this option you can view the System Information of the Navigation System, like Platform, Software version and Map Database.

1. Press the **NAV** button.
2. Touch the **Nav Config** tab.
3. Touch **System Information**.
4. Touch **Back** to exit this and to return to the previous screen.

### Traffic Message Channel (TMC)

Traffic Message Channel (TMC) is a technology for delivering traffic and travel information to drivers. It is digitally coded using the FM-RDS system on conventional FM radio broadcasts.

**Note:** Traffic information is only available in areas where it is specifically provided by local FM radio stations, therefore may not be available on some areas or towns.

**Traffic Guidance**

This navigation system processes TMC traffic information and inform you about the traffic condition via pop up messages and voice announcement.

You have the option to adapt the Traffic Management Settings to your preferences.

**RDS-TMC - Automatic (default setting)**

The Navigation System will automatically select the best TMC station.

**RDS-TMC - Preferred (default setting)**

You can select a preferred TMC station from a list of available TMC stations (only when the area has more than one radio station providing traffic information).

**Traffic Avoidance - Automatic (default setting)**

The Navigation System will automatically calculates a more favourable route than the current plan route, taking into account of the traffic events.

**Traffic Avoidance - Manual**

Dynamic Route Guidance is switch on to inform you of a traffic event on the plan route and give you the option to re-route or to stay on the current plan route.

**Traffic Avoidance - OFF**

Dynamic route guidance is switch off and the system will not process any TMC traffic information.

**Traffic Management Settings**

1. Press the **NAV** button.
2. Touch the **Nav Config** tab.
3. Touch **Traffic Management Settings**.

**Traffic Avoidance**

4. Touch either **Auto** or **Manual** to enable Dynamic Route Guidance.
- 5 or touch **Off** to disable Dynamic Route Guidance

**Note:** RDS-TMC function is disable with Traffic Avoidance Off.

**RDS-TMC**

- 6 Touch either **Automatic** or **Preferred** accordingly to your requirements.
7. Touch **Back** to save the settings and to return to the previous screen.

**Configuring the Point Of Interest (POI) Settings**

With this setting you can select POI's you would like to display on the map.

1. Press the **NAV** button.
2. Touch the **Nav Config** tab.
3. Touch ▼ to select the second **Navigation Configuration** page.

4. Touch **POI Selection**.
5. Select the **Points of Interest** you want to display; the selected POI is indicated with an \*.
6. Touch ▼ or ▲ to select the next or previous page.
7. After selection, touch **Back** to exit and to return to the previous screen.

### Configuring Alert Points and Alert Feedback

With this setting you can switch the alert function on/off. This function warns you about when approaching an alert point.

With **All Screens** selected, a pop-up message together with audio feedback will alert you on all infotainment screens.

With **Map Screen** selected, a pop-up message together with audio feedback will alert you on map screens only.

When **Off** is selected, no alert information will be given.

Please note: During a phone call only a pop-up will appear on the screen without any audio feedback.

Alert information is available on **Railway Crossings, Speed & Red Light cameras** (Safety cameras) and **School Zones**.

### Configuring Alert Points

1. Press the **NAV** button.
2. Touch the **Nav Config** tab.
3. Touch ▼ to select the second **Navigation Configuration** page.
4. Touch **Alert Points**.
5. Select the **Alert Points** as required.
6. After selection, touch **Back** to exit and to return to the previous screen.

### Configuring Alert Point Feedback (Audio Chime)

1. Press the **NAV** button.
2. Touch the **Nav Config** tab.
3. Touch ▼ to select the second

### Navigation Configuration page.

4. Touch **Alert Point Feedback**.
5. Touch the corresponding button to switch **Alert Point Feedback On** or **Off**.
5. After selection, touch **Back** to exit and to return to the previous screen.

### Configuring Speed Limit Warnings

Where available, the Navigation system displays the documented speed limit for the current road.

If the vehicle speed is less than the documented speed limit, then the speed icon will be grey.

If the vehicle speed is greater, then the speed icon will be coloured.

There is no audio alert with this warning.

Note: the documented displayed speed limit may vary from the current posted speed limit.

This feature is available in guidance and non-guidance modes.



1. Press the **NAV** button.
2. Touch the **Nav Config** tab.
3. Touch ▼ to select the second **Navigation Configuration** page.
4. Touch **Speed Limit Warnings**.
5. Touch the corresponding button to with **Speed Limit Warnings On or Off**.
6. After selection, touch Back to exit and to return to the previous screen.

### Navigation

You can enter all navigation information into the navigation system by means of the integrated keyboard.

#### Entering a Destination Address

With this option you can enter a destination address.

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Enter Address**.
3. Touch **Country**, then enter the

country's name or enter the first letter(s) and touch **List** to select the country from the list.

4. Touch **City**, then enter the name of the city or enter the first letters and touch **List** to select the city from the list.

**Hint:** You can enter a Suburb name or a City name (to cover a larger search area).

5. Touch **Street**, then enter the name of the street or enter the first letters and touch **List** to select the street from the list.
6. Touch **Intersection**, then enter the name of the street or enter the first letters and touch **List** to select the street from the list.
6. Touch **Back** to exit and to return to the previous screen.

#### Entering an Address via its Geographical Co-ordinates

With this option you can enter an address using its Latitude and Longitude. The geographical

coordinates have to be entered in the corresponding fields.

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Enter Address**.
3. Touch **More**.
4. Touch **Input via Co-ords**.
5. Enter the geographical coordinates using the keyboard.
6. If required touch **S** to switch to **N** and vice versa for **E** to **W**.
7. Touch **Map Route**.
8. The **Calculating Route** pop-up appears.
9. When the calculation is completed, the map screen is shown.
10. Touch **Back** to exit and to return to the previous screen.
11. Touch **Start Guidance** to exit and to return to the previous screen. The system is ready for departure.

### Saving an Address as a Favourite (any Favourite, Home or Work)

You can save an entered destination address as a general **Favourite** or **Home** or **Work** address.

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Enter Address** to enter a new or select an existing address.
3. Touch **More**.
4. Touch **Save as**.
5. The **Save As** pop-up appears asking you to save this address under **Favourites**, **Home** or **Work**.
6. Touch **Favourite**, to save the Destination or touch **Cancel** to return to the previous screen.

### Renaming an Address

With this option you can rename any destination address in the favourites list, except <Home> and <Work>.

1. Press the **NAV** button and touch

the **Dest Input** tab.

2. Touch **Choose Favourites**
3. Touch **Rename**, then touch the entry you want to rename.
4. Enter the new name by means of the keyboard.
5. Touch **OK**, the previous selected entry will be renamed and will appear under its new name in the **Favourites List**.

### Deleting a certain Address from the Favourites List

With this option you can delete a destination address from the favourites list.

1. Press the **NAV** button and touch the **Choose Favourites** tab
2. Touch **Delete**.
3. Touch the Entry you want to delete from the **Favourites List**.
4. The **Delete Favourites** pop-up appears.
5. Touch **OK**, the selected entry will be deleted from the **Favourites**

### List.

#### Deleting all Addresses from the Favourites List

With this option you can delete all destination addresses from the favourites list.

1. Press the **NAV** button and touch the **Choose Favourites** tab
2. Touch **Delete**, then touch **Delete All**.
3. The **Delete All Favourites** pop-up appears.
4. Touch **OK** to delete all entries from the **Favourites List**.

#### Viewing a Destination Address on the Map

With this option you can view the location of a Destination Address on the map.

1. Select the Destination Address you want to view on the map via the **Dest Input** tab.
2. Touch **Show Address**. The map appears.

The Address is indicated by.  
With zoom in/out you can zoom in or out on the address.

3. Touch **Back** to exit and to return to the previous screen..

### Selecting an Address from the Favourites List

With this option you can select a Destination Address from the favourites list.

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Choose Favourite**.
3. Touch the favourite you want to select, if the favourite is not shown on the first page, touch ▼ to select the next page.
6. Touch **Back** to return to the previous screen.

### Selecting or deleting an address from History List

Via the History List you can select a previously entered destination address or delete the complete

history list.

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Choose History**.
3. If you want to select an address, touch the corresponding address.
4. Touch ▼ or ▲ to select next or previous page if available.
5. If you want to delete all entries from the history list, touch **Clear All**.
6. The **Delete All Favourites** pop-up appears.
7. Touch **Back** to exit and to return to the previous screen.

### Points of Interest

You can select Points of Interest either by name or by Category near the current car position or around the destination or near an address.

**By Name:** enter the name of the POI by their known names like Raffles, Merlion, McDaffys Wine Bar, etc..

**By Category:** you can browse

the POI for ATM, restaurants, Gas stations, Airport, Pharmacy etc..

### Points of Interest near the Current Position

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Choose POI**.
3. Touch **Near Current Position**.
4. Select the POI either **By Name** or **By Category**
5. Or touch **Cancel** to exit the pop-up.
6. Touch **Back** to return to the previous screen.

### Points of Interest near the Destination (Available During Guidance Mode only)

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Choose POI**.
3. Touch **Near Destination**.
4. Select the POI either **By Name**

or **By Category**

5. Or touch **Cancel** to exit the pop-up.
6. Touch **Back** to return to the previous screen.

**Points of Interest near an Address (available during non-guidance mode only).**

1. Press the **NAV** button and touch the **Dest Input** tab.
2. Touch **Choose POI**.
3. Touch **Near an Address**.
4. Select the POI either **By Name** or **By Category**
5. Or touch **Cancel** to exit the pop-up.
6. Touch **Back** to return to the previous screen.

**Finding an emergency destination**

With this option you can select an Emergency Destination

1. Press the **NAV** button and touch the **Choose Favourites** tab

2. Touch **Emergency**.
3. Touch the **Emergency Destination** you want to select from the **Emergency List**.  
- **Police Stations**  
- **Hospitals**
4. If the **Emergency Destination** you require is not displayed, touch ▲ or ▼ to select the previous or next page and select it from the list.

### Changing the selected Route

With this option you can insert a stage into an **existing route** or a **journey plan**. You can Add up to three stages. During active guidance every stage entered will be treated as a new address before the final destination. With a journey plan a stage is integrated into the route and indicated as an intermediate stage by means of a symbol on the map.

### Adding/Editing/Rearanging stages

With this option you can add to a journey, edit an existing stage or

reorder entered stages.

1. Press the **NAV** button and touch the **Route Pref** tab
2. Touch **Change Route**.
3. Touch **Add/Edit Stage**.
4. Touch **Add**, the **Add/Edit Stage** screen shows the options to select the stage.
5. Touch the option you would like to select the stage with or press **Back** to return to the previous screen.
6. If you want to change the order of the entered stages touch **Reorder Stage**.
7. If you want to **relocate** added **stages**, touch the stage you want to move.
8. Then touch either **Move up** or **Move down**, depending on the stages location.
9. Then touch **Recalculate Route**. A pop-up appears to inform you that the selected route is being recalculated. After recalculation

is finished the Map is shown in preview mode. Each stage is indicated by a chequered flag.

10. Touch **Back** to return to the previous screen.
11. Touch **Start Guidance**, guidance is started and the **Navigation** screen with the calculated route is shown.
12. To cancel Guidance touch **Stop Guidance**.

### Deleting a Stage

With this option you can delete a stage from an existing route or journey plan.

1. Press the **NAV** button and touch the **Route Pref** tab
2. Touch **Change Route**.
3. Touch **Add/Edit Stage**.
4. Touch **Delete Stage**, then touch the Stage you want to delete from the list. A popup appears asking you to confirm the selection.

5. Touch **OK** if you want to delete the selected address or touch **cancel** if you do not want to delete the selection.
6. Touch **Back** to return to the previous screen.

### Detour

With this option you can set a distance to detour from the current plan route. The system automatically calculates a new route based on the distance to detour.

1. Press the **NAV** button and touch the **Route Pref** tab
2. Touch **Detour**.
3. Touch the distance (marked by \*) you wish to detour.
4. Touch **Clear Detours** to clear all setting.
5. Touch **Back** to return to the previous screen.

### Setting Route Options

1. Press the **NAV** button and touch the **Route Pref** tab

2. Touch **Route Options**.
3. Touch the route option you want to select:
  - **Shortest** (the route is calculated based on shortest route optimized in distance)
  - **Optimum** (the route is calculated based on optimized estimated travel distance and estimated travel time with a weighting of 50% driving distance and 50% driving time)
  - **Fastest** (the route is calculated based on fastest route optimized in time)
4. Then select what you would like to avoid:
  - **Avoid Ferries**
  - **Avoid Toll Road**
  - **Avoid Highways**
5. Touch **Save Options**, to confirm the selections.
6. Touch **Back** to return to the previous screen.

### Viewing the Route List

With this option you can view details of the current journey plan in a list view. This include the addresses of starting point, final destination and all the streets/roads along the way. If stages are added, they are also included in the list view.

When navigation is active and any of the streets have been passed, they will be removed from the list.

**Note:** This option is only available when a destination is selected.

1. Press the **NAV** button and touch the **Route Pref** tab
2. Touch **Route List**.
3. Touch the route option you want to view in detail:
  - the Distance to this point. in m
  - the Length in m
  - the City:
4. Touch **▼** or **▲** to select next or previous page if available.
5. Touch **Back** to return to the previous screen.

### Viewing the Destination on the map

With this option you can view the destination selected on the map.

**Note:** This option is only available in Guidance mode and with the route being calculated.

1. Press the **NAV** button and touch the **Route Pref** tab
2. Touch **Show Destination**, the map with the destination is shown.
3. Press the **NAV** button to return the **Route Pref** screen.

### Traffic Message Channel (TMC)

#### Viewing and Updating TMC stations

With this option you can view available TMC stations and update them if required.

1. Press the **NAV** button and touch the **Traffic** tab
2. Touch **TMC Stations**, the screen

shows available TMC stations. The currently selected TMC station is marked with an asterisk.

3. Touch **Refresh** to update the current list. The pop-up Updating TMC Stations will appear on the screen.
4. Touch Cancel if you want to cancel the TMC Station search.
5. Or touch **Back** to return to the previous screen.

#### Selecting a TMC station

With this option you can select your favourite TMC station.

1. Press the **NAV** button and touch the **Traffic** tab
2. Touch **TMC Stations**, the screen shows available TMC stations. The currently selected TMC station is marked with an **asterik**.
3. Touch the **TMC Station** you want to select. This TMC station is now marked with the **asterik**.
5. Touch **Back** to return to the

previous screen.

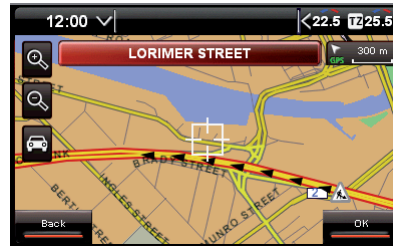
### Viewing TMC messages

With this option you can view available TMC stations and update them if required.

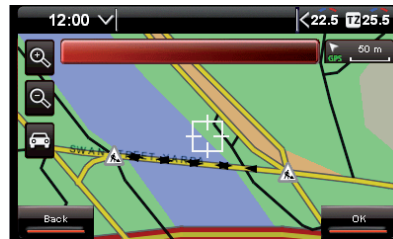
1. Press the **NAV** button and touch the **Traffic** tab
2. Touch **TMC Stations**, the screen shows available TMC stations. The currently selected TMC station is marked with an asterisk.
3. Touch **Refresh** to update the current list. The pop-up Updating TMC Stations will appear on the screen.
4. Touch Cancel if you want to cancel the TMC Station search.
5. Or touch **Back** to return to the previous screen.

### TMC events on the map

TMC events on the map during non guidance mode for single direction road.

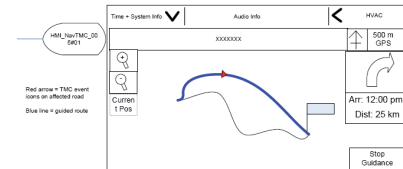


TMC events on the map during non guidance mode for dual direction road.

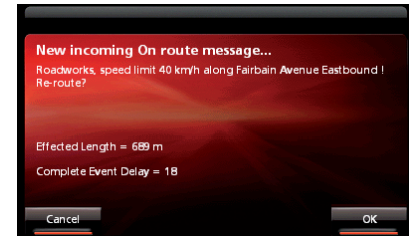


TMC events on the map during guidance mode (Traffic avoidance set to Manual).

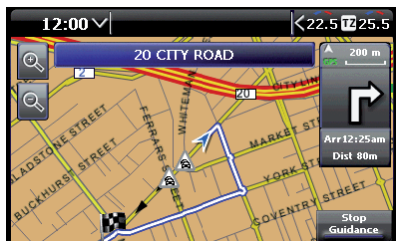
When there is road congestion on the plan road, TMC icon is red in colour and user can hear voice announcement.



A pop up message appear and ask you to re-route.



A new road is plan when re-route is enter. TMC icon change to grey colour on the non plan route.



### Simulating a Trip

With this feature you can simulate the trip from its current to its final position along the entered route. The calculated route is highlighted on the map. This function is only available with the car stationary.

1. Enter the required destination via the **Dest Input** tab.
2. Touch **More**.
3. Touch **Simulate Trip**.
4. Touch either **Current Position** or **Choose Start Address** to select the corresponding address; or touch **Cancel** the close the pop-up.
5. When you touch **Current Position**, simulation starts directly.
6. When you touch **Choose Address**, you have to enter the starting point as described before, then touch OK.
7. A pop-up appears and you will get some voice feedback that the simulation will be started.

8. Touch **Stop Guidance** to cancel simulation.