

# Navigation System Owner's Manual



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# Navigation introduction

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## GENERAL INFORMATION

Press the relevant button on the unit bezel to access the system functions. This will take you into the selected mode.

### One hour mode

To conserve battery power, the system can be operated in one hour mode. If the ignition is off, press the ON/OFF button to switch the system on. The system will automatically switch off after one hour.

### System notes

#### WARNINGS

 The front glass on the liquid crystal display may break if hit with a hard object. If the glass breaks, do not touch the liquid crystalline material. In case of contact with the skin, wash immediately with soap and water.

 The unit is a highgrade laser product which uses an invisible laser beam. If this is handled incorrectly it can emit dangerous rays. Do not attempt to look through any openings in the unit.

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#### CAUTIONS

-  Do not apply excessive force to the front glass.
-  Irregular shaped CDs and CDs with a scratch protection film or self adhesive labels attached should not be used. Warranty claims, where this type of disc is found to be inside an audio unit returned for repair, will not be accepted.
-  Do not clean the unit with solvents or aerosol cleaning agents. Use only a damp cloth.
-  Do not insert foreign objects into any of the unit disc drives or media card slots.

#### CAUTIONS

-  Do not insert more than one disc into the unit disc drive.
  -  Use only 12 cm (4.7 inches) discs or 8 cm (3.1 inches) discs with a suitable adaptor.
  -  Do not attempt to open the unit. If the unit malfunctions consult your dealer.
  -  Improper use of settings and connections, other than those explained in this handbook, can damage the unit.
  -  Do not turn the ignition key or attempt to start the engine while the software is updating.
- 

The system is recommended for use when the ignition key is turned to the accessory position or when the engine is running. If the system is used extensively when the engine is not running, care needs to be taken to avoid draining the battery.

## ROAD SAFETY

#### WARNINGS

-  The system provides you with information designed to help you reach your destination quickly and safely.
  -  For reasons of safety, the driver should only program the system when the vehicle is stationary.
  -  The system provides no assistance with respect to stop signs, traffic lights, areas under construction or other important safety information.
  -  Do not use the system until you have familiarised yourself with its operation.
  -  Only view the system display when driving conditions permit.
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# Navigation introduction

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## **Safety information**

Read and follow all stated safety precautions. Failure to do so may increase your risk of collision and personal injury. Ford Motor Company shall not be liable for any damages of any type arising from failure to follow these guidelines.

If detailed viewing of route instructions is necessary, pull off the road when it is safe to do so and park your vehicle.

Do not use the navigation system to locate emergency services.

To use the system as effectively and safely as possible, always use the latest navigation information. Your dealer will be able to assist with this.

# Navigation system security

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## SECURITY CODE

The system incorporates a unique Keycode that must be entered before the unit will operate. Normally, the dealer does this during the pre-delivery inspection.

If the battery is disconnected for any reason, or the unit is removed from the vehicle, the Keycode must be re-entered before the unit will work again.

## LOST SECURITY CODE

If you lose the Keycode, contact your dealer and supply details of your unit along with some proof of identity. Your dealer will then obtain the correct code for you.

## ENTERING A SECURITY CODE

If **CODE ----**, **CODE 0000**, **SAFE** or **ENTER KEYCODE** appears in the display when you switch on the unit, you must enter the Keycode using the on screen instructions.

Use the number buttons to enter the correct code. Press the button below **OK** to confirm the entry.

## INCORRECT SECURITY CODE

### CAUTION



Make sure that you have entered the correct Keycode before confirming the entry. Repeated incorrect entries may cause a permanent lock of the unit.

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Up to three Keycode entry attempts are allowed before the unit will lock for one hour.

## NAVIGATION QUICK START

The system has a large range of features, yet is easy and intuitive to use. Route guidance is shown on the display screen. The screen provides full information for operating the system through the use of menus, text screens and map displays. Screen selections are made by rotating the SELECT button and pressing the required button on the unit.

### Basic operation

Rotate the SELECT button to scroll through the various selection lists.

Press the SELECT button to activate a selection.

Press the ESC button at any time to return to the previously displayed screen.

**Note:** *This is a useful button if you only need to go back one step.*

1. Insert the navigation SD card in the SD card aperture. The road safety caution will be displayed. To use the system, read the caution and select **OK**.
2. Press the SELECT button. The destinations input screen will appear in the display.
3. Press the required button and enter your destination details. See **System settings** (page 10).

### Selection lists

Various screens are presented which offer a selection list of available options. Select the option you require, or if it is not shown on the screen rotate the SELECT button to view the remainder of the selection list.

Press the SELECT button to activate selection.

### Alphanumeric keypad entry

When it is necessary to enter an address, a keypad will appear prompting you to enter a postcode, city, or street. Rotate the SELECT button to the letter or number that you require. Press the SELECT button activate your selection. The system will limit your entries to only those characters which spell a valid entry. It will automatically predict your entry if possible so it will not always be necessary to enter the full details.

As you spell the entry the results will appear in the top line. Once the desired entry is shown select **OK** to activate selection. If only part of the name appears highlighted you can either select **OK** to accept the proposed name or select **LIST**, which will show a selection list screen showing all available entries which match. Rotate the SELECT button to your required entry. Select **OK** to activate selection.

**Note:** *If there is more than one entry with the exact same name a selection list will appear showing the various different options.*

### Route setting example

This is a simple example explaining how to use the basic features of the system to set a route. For information relating to the other features of the system, see the relevant section in this guide.

Please follow this step by step procedure to familiarise yourself with the system.

### Navigation main screen

To select the navigation system, push the NAV button adjacent to the screen panel. The road safety caution will be displayed. To use the system, read the caution and select **OK**.

# Navigation Quick start - Vehicles With: CD Navigation System

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## Destination input screen

Select **Destinat.** to enter the destination you wish to navigate to.

A list with several options is shown. Select **Destination input**. Starting from the top, select the country followed by either the postcode if available or city and street name. Use the alphanumeric keypad and selection lists to select your address details.

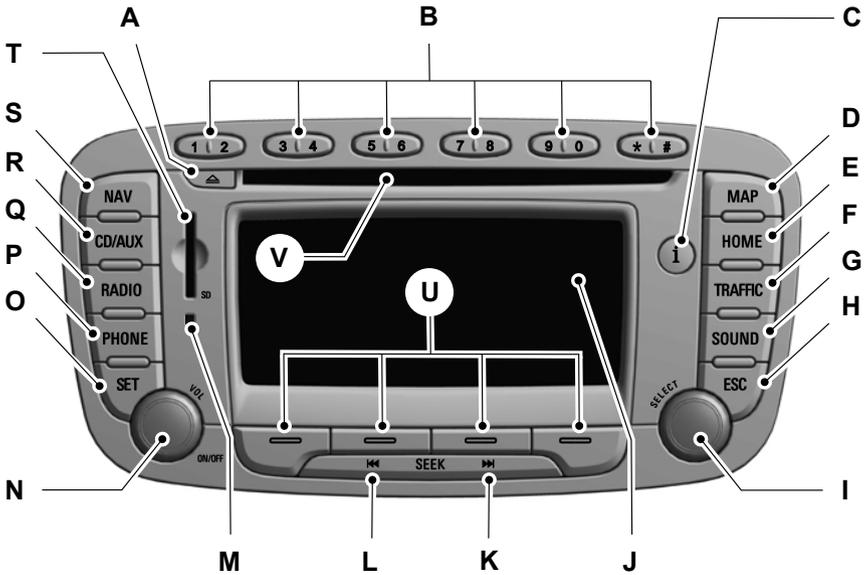
Once sufficient information has been entered, select **Start** to proceed.

**Note:** *If you only need to navigate to a city centre for example, full address details are not required. Select **Start** once it becomes available.*

The route is now calculated and the screen returns to the main navigation screen with instructions on how to proceed. Follow the screen and audio prompts to reach your destination.

# Navigation unit overview - Vehicles With: CD Navigation System

## NAVIGATION UNIT OVERVIEW



E97652

- A CD eject
- B Channel/keycode select/Phone number entry
- C Information
- D Map display
- E Home menu select
- F Traffic/TMC menu select. See **Using TMC** (page 68).
- G Sound settings. See **Radio operation** (page 17).
- H Escape
- I Rotary scroll/select
- J Screen display
- K Seek up
- L Seek down

# Navigation unit overview - Vehicles With: CD Navigation System

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- M SD card eject. See **System settings** (page 10).
- N On/off and volume control. See **Audio operation** (page 17).
- O Settings menu select. See **System settings** (page 10).
- P Phone menu select
- Q Radio source select. See **Radio operation** (page 17).
- R CD/CD-MP3/CD Changer/AUX source select. See **Audio operation** (page 17).
- S Navigation main screen. See **Navigation system** (page 20).
- T SD card aperture. See **System settings** (page 10).
- U Options select
- V Disc aperture. See **CD operation** (page 18).

## LOADING THE NAVIGATION DATA

1. Load the navigation SD card into the aperture.
2. Press the NAV button. The road safety warning will be shown in the display.
3. Rotate the SELECT button to select option.
4. Press the SELECT button to activate selection.

**Note:** *The navigation CD can also be used for navigation data. See **System settings** (page 10).*

For map updates and system upgrades please refer to your dealer.

# System settings - Vehicles With: CD Navigation System

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## SYSTEM SETTINGS

Most of the important settings for your navigation unit can be accessed via the SET button. The following section describes the various options and how to use them.

Press the SET button to display the settings screen. The following diagrams show an overview of the menu structure within the settings screen:

# System settings - Vehicles With: CD Navigation System

## Map

- Orientation
  - North up / Heading up / Auto
- Map view
  - Position
  - Destination
- Driving recommendation
  - Off / Always / Temp.
- Lane recommendation
  - On / Off
- Next POIs
  - On / Off
- Map content
  - Selection list

## Navigation

- Navigation source
  - CD / SD
- Time
  - Remain / arrival
- Driving recommendation
  - Off / Always / Temp.
- Navigation demo
  - Off / Once / Loop
- Set speed profile
- Enter position manually
- Start manual calibration

## Radio

- News
  - On / Off
- Alternative frequency
  - On / Off
- Regional
  - On / Off
- Radio text
  - On / Off

## SD Card

- Eject SD Card
- Copy Nav CD to SD Card
- Format SD Card

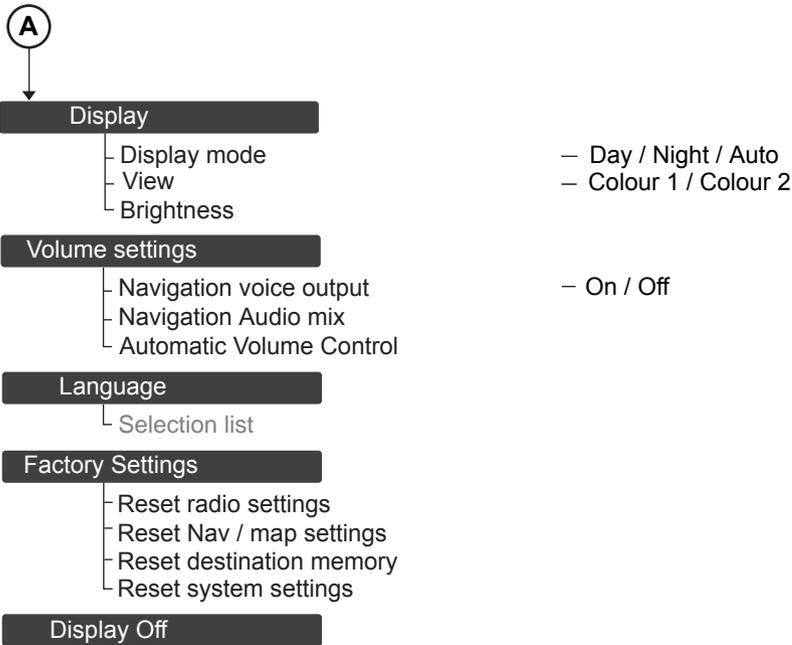
## Clock/date

- Set Clock
- Set Date
- Time Format
  - 12H / 24H
- Date Format
- Via GPS
  - On / Off
- Summer Time
- Time zone



E97773

# System settings - Vehicles With: CD Navigation System



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Rotate the SELECT button and scroll to the required feature in the first column of the menu tree. Press the SELECT button to activate the feature.

Rotate the SELECT button and scroll to the required feature in the second column of the menu tree. Press the SELECT button to activate the various functions and options in the feature.

Press the ESC button at any time to return to the previous feature.

The following diagram shows an overview of the menu structure within the settings screen:

A description of the various functions and options available are given here:

## Map

### Orientation

This changes the way in which the map is displayed.

# System settings - Vehicles With: CD Navigation System

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- Select **NORTH UP** to display the map with north always at the top of the screen.
- Select **HEADING UP** to display the map with the direction of the vehicle always at the top of the screen. The display will rotate as your vehicle changes direction.
- Select **AUTO** to select a combination of the above two options. For lower map scales, the system will use a **HEADING UP** display, and for higher scales it will switch to a **NORTH UP** display.

## Map view

- Select **POSITION** to show the map with the current location of the vehicle in the centre.
- Select **DESTINATION** to show the map centred on the entered destination address.

## Driving recommendation

This feature enables a graphic inset on the map display screen which shows the next turn or direction to travel in.

- Select **OFF** to disable.
- Select **ALWAYS** to turn this on constantly. A graphic inset will always be shown even if there is no direction change or turn approaching.
- Select **TEMPORARY** to activate. This option will only display the inset graphic when there is a direction change or turn approaching.

## Lane recommendation

This feature enables a graphic inset on the map display screen which shows the lane that you should use.

## Map content

This feature enables various categories of information to be included on the map display screen. You may select and de-select the different categories by scrolling through the options.

**Note:** *Multiple categories can be selected.*

## Navigation

### Navigation source

Select either **CD** or **SD card** as the navigation source.

### Time

This feature changes the way in which the journey time is shown.

- Select **REMAIN** to display the remaining estimated driving time to reach the destination.
- Select **ARRIVAL** to display the estimated time of arrival.

## Driving recommendation

This feature enables a graphic inset on all application screens (CD, radio etc) which shows the next turn or direction to travel in.

- Select **OFF** to disable.
- Select **ALWAYS** to turn this on constantly. A graphic inset will always be shown even if there is no direction change or turn approaching.
- Select **TEMPORARY** to activate. This option will only display the inset graphic when there is a direction change or turn approaching.

# System settings - Vehicles With: CD Navigation System

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## Navigation demo

This feature allows you to set any vehicle start position, and to begin a demonstration route guidance scenario if required. Your GPS position is ignored when activating this feature and your vehicle does not need to be moving to begin a route.

- Select **OFF** to deactivate. The system will operate normally using the GPS sensor and display the true vehicle position.
- Select **ONCE** to enable and run through a simulated route guidance plan one time only.
- Select **LOOP** to enable a continuous demonstration mode. The simulated route will keep repeating by returning to the start point once the destination has been reached.

To enter a simulated vehicle position, select the manual position button. This will allow entry of an address in the usual manner.

## Start manual calibration

It may be necessary to periodically calibrate the navigation system, in order to maintain position accuracy. Press the select button to re-calibrate the navigation system. Follow the on screen instructions.

## Radio

### News

This feature will interrupt normal reception to broadcast news bulletins from stations on the FM waveband, in the same way as traffic information is provided. News interrupts are broadcast at the same preset volume level as traffic announcements. You can turn this on and off.

## Alternative frequency (AF)

Many programmes broadcast on the FM waveband have a programme identification (PI) code, which can be recognised by audio units. If your radio has AF tuning switched on and you move from one transmission area to another, this facility will search for and switch to a stronger station signal, if one can be found. When selected, the unit continually evaluates signal strength and, if a better signal becomes available, the unit will switch to that alternative. It mutes while it checks an AF list and, if necessary, it will search once across the selected waveband for a genuine alternative frequency. It will restore radio reception when it finds one or, if one is not found, the unit will return to the original stored frequency.

## Regional

Regional mode controls the behaviour of AF switching between regionally related networks of a parent broadcaster. A broadcaster may run a fairly large network across a large part of the country. At various times of the day this large network may be broken down into a number of smaller regional networks, typically centred on major towns or cities. When the network is not split into regional variants, the whole network carries the same programming.

Regional mode ON: This prevents random AF switches when neighbouring regional networks are not carrying the same programming.

Regional mode OFF: This allows a larger coverage area if neighbouring regional networks are carrying the same programming, but can cause random AF switches if they are not.

# System settings - Vehicles With: CD Navigation System

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## Radio text

This feature enables additional text information (RDS text) on the map display screen when transmitted by the current selected radio station.

## SD card

### Eject SD card

#### CAUTIONS

 The SD card must be ejected using the **Eject SD card** feature in the SET button SD card sub-menu. Failure to do this may corrupt the SD card stored data.

 Do not leave the SD card partially inserted in the SD card aperture.

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This feature allows you to remove the SD card.

### Copy Nav CD to SD card

This feature allows you to copy the information from the navigation CD to the SD card. The navigation disc can then be removed allowing full use of the CD player.

### Format SD card

This feature allows you to format the SD card.

### Clock/date

Use this to either manually set the time and date or to set via a GPS signal if in a suitable coverage position.

### Manual set screen

Rotate the SELECT button to advance the hours, minutes and date. Press the SELECT button to confirm each setting. You can also change the format of the time display from 12hr to 24hr clock, as well as the date format.

## GPS setting

Rotate the SELECT button and scroll to **VIA GPS**. Press the SELECT button to set the clock and date automatically. The time and date will be updated if there is suitable reception. You may alter the time and date format as previously described.

## Display

### Display mode

The screen can be optimised for day or night time driving, or an automatic switch between the two depending on vehicle headlamp activation.

### View

Use this feature to switch between different colour themes for the display and menus.

### Brightness

Rotate the SELECT button to move the slider bar and adjust the brightness. Press the SELECT button to activate the preference.

## Volume settings

### Navigation voice output

Voice guidance when navigating may be turned on or off via this control.

**Note:** *It is recommended to leave this on, and to avoid taking your eyes off the road to read the navigation screen display.*

### Navigation/Audio mix

Rotate the SELECT button to move the slider bar and adjust the volume mix between the navigation voice output and the audio source. Press the SELECT button to activate the preference.

# System settings - Vehicles With: CD Navigation System

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Navigation voice output does not interrupt normal audio playback but is mixed with it and appears as a voice over.

## Automatic volume control (AVC)

The AVC adjusts the audio source volume in relation to the speed of the vehicle. Rotate the SELECT button to move the slider bar and adjust the sensitivity. Press the SELECT button to activate the preference.

**Note:** *Move the bar to the far left position to turn AVC off.*

## Languages

Select your required on-screen display language from the selection list.

**Note:** *To change from metric units to imperial units select the appropriate English language option.*

## Factory settings

### CAUTION



You will lose your personal settings after using the reset buttons.

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Use these functions to return the unit back to factory default settings.

## Display off

Press any button to turn the screen display off.

Press the SET button to turn the screen display on again.

# Audio operation - Vehicles With: CD Navigation System

## RADIO OPERATION

### Volume/power control

Press the VOL button to turn the unit on and off.

Rotate the VOL button to adjust the volume.

### Radio functions

Press the RADIO button to access the settings.

Rotate the SELECT button to scroll through the features.

Press the button below the required feature to activate the feature.

Press the ESC button at anytime to return to the previous feature.

### Selecting a waveband

Select **BAND** to view the selection list. Rotate the SELECT button to scroll through the list. Press the SELECT button to activate the selection.

**Note:** Available bands are FM1, FM2, FM3, FM AST, MW and LW. Each band can store up to 10 preset stations.

**Note:** You can move through the available wavebands by pressing and releasing the **RADIO** button.

### Selecting an available station

Select **FM LIST** to view the selection list. Rotate the SELECT button to scroll through the list. Press the SELECT button to activate the selection.

## Tuning

### Seek tuning

To automatically tune press the **SEEK up** or **SEEK down** button. The next available station will be selected.

### Manual tuning

Select **TUNE** to enter the manual tune screen. Rotate the SELECT button. Press the SELECT button to activate the selection.

### Scan tuning

Select **SCAN** to review all available stations. The radio will play 10 seconds of each station before advancing to the next available station. Press the button below **SCAN** again once a suitable station has been reached to turn the function off.

**Note:** Scan tuning is not available on the FM AST waveband.

### Station preset memory

#### All except FM AST stations

Up to 10 preset stations can be set for each waveband. To store a preset, tune into the desired station and then press and hold a button **1** to **0**. To recall a stored preset press button **1** to **0**, or

Rotate the SELECT button to view the FM stations. Press the SELECT button to activate the selection.

#### FM AST stations

Select **STORE** or **long press** the RADIO button. The unit will automatically find and store the strongest stations in the area.

### Advanced radio settings

See **System settings** (page 10).

### Sound settings

Press the SOUND button to access the settings.

Rotate the SELECT button to adjust the feature setting. Press the SELECT button to activate the setting.

# Audio operation - Vehicles With: CD Navigation System

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The **BALANCE** control is used to adjust the sound distribution between the left and right speakers.

The **FADE** control is used to adjust the sound distribution from front to rear.

The **TREBLE** and **BASS** controls adjust the high and low audio frequencies respectively. These settings may be customized for each source.

The **LOUDNESS** control boosts the lower frequency range at low volumes to achieve a fuller sound.

The **COMPRESSION** feature can be turned on or off. With the feature on, quieter music is boosted and louder music lowered to minimise repeated volume adjustments.

## CD OPERATION

**Note:** For sound setting information See **Radio operation** (page 17).

Press the CD/AUX button.

If a CD is loaded this will start playing, otherwise a warning will appear advising that the CD slot is empty.

**Note:** Pressing the CD/AUX button repeatedly will toggle between the AUX input mode, CD mode and CD changer mode (if fitted).

## Playing a CD

Loading a disc into the CD aperture will automatically start CD playback and enter the CD screen. If another source is playing and a CD is already loaded, pressing the CD/AUX button will resume CD playback.

## Track seek

To advance a track press the **SEEK up** button.

To go to the beginning of a track press the **SEEK down** button. Press the button again to go to the previous track.

## Track fast forward/reverse

Press and hold the **SEEK up** and **SEEK down** buttons to search forwards or backwards within the track playing.

## Shuffle

This feature will play tracks in a random order.

Press the **SHUFFLE** button to turn this on and off. The button stays highlighted when this feature is on.

**Note:** The feature is applied either to the whole CD disc or a folder in the case of a CD disc with MP3 audio. Repeated button presses toggle between these different modes.

## Repeat

This feature will play tracks on a continuous loop.

Press the **REPEAT** button to turn this on and off. The button stays highlighted when this feature is on.

**Note:** The feature is applied either to the track or a folder in the case of a CD disc with MP3 audio. Repeat button presses toggle between these different modes.

## Scan

This feature will play a short introduction of each track before advancing to the next track. Turn the feature off once the desired track is reached.

Press the **SCAN** button to turn this on and off. The button stays highlighted when this feature is on.

# Audio operation - Vehicles With: CD Navigation System

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**Note:** *The icon within the button shows if the feature is applied either to the whole CD disc or a folder in the case of a CD disc with MP3 audio. Repeat button presses toggle between these different modes.*

## MP3 CD playback

The internal CD drive will also play CD-ROMs with MP3 files.

Supported formats include:

- MPEG1, Audio layer 3 (ISO/IEC 11172-3)
- MPEG2, Audio layer 3 (ISO/IEC 13818-3.2)
- Scan rates of 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz
- Permissible bit rate is 8kbit/s to 320 kbit/s.

Rotate the SELECT button to browse files and folders in a MP3 disc. Press the SELECT button to activate selection.

The current directory will be shown first, together with any folders and tracks in this area. Selecting a track from here will start playback. If you wish to search a folder, select the button corresponding to this folder. The contents of the folder will be displayed, showing any tracks or further nested sub folders. Press the ESC button to go back a step.

**Note:** *Naming folders as album titles may help when browsing an MP3 disc.*

## CD changer playback

If a CD changer is connected to the navigation unit, press the CD/AUX button until the CD changer screen is displayed. This will activate the CD changer as the currently selected audio source.

Filled slots in the CD changer magazine are displayed on the screen. Press the **CD** button to access the CD's. Rotate the SELECT button to required selection. Press the SELECT button to activate selection.

The controls for a disc playing via the CD changer are the same as for a disc in the internal CD drive.

## Auxiliary input

If your vehicle is fitted with an AUX input socket selecting **AUX** will allow an external device to be played through the system.

Press the CD/AUX button twice to select the AUX input mode. You may control the volume and other audio settings in the same way as for other sources.

## NAVIGATION SYSTEM CONTROLS

Press the NAV button to enter the main navigation screen.

If an address has been entered as a destination, this will appear next to the flag icon. Your current location is shown next to the pin icon.

Various ways to enter your destination are achieved by either pressing the buttons at the bottom of the screen or by rotating the SELECT button to scroll through lists and pressing the SELECT button to activate a selection.

### Destinations

Select **Destinat.** to enter the destination menu.

### Destination input

Select **Destination input** to enter the destination input menu. For details of operation See **Navigation Quick start** (page 6).

### Last destinations

This allows quick access to a history of previous destinations entered in the system. Select the required repeat destination from the list.

### Destination memory A-Z sorted and destination memory manually sorted

These features give access to a detailed set of advanced user controls. You may customize a personal destination address book and assign user defined names to addresses and locations for example.

### Special destinations

This part of the menu allows navigation with points of interest (**POI**). These are categorized locations such as restaurants, railway stations, etc.

**Note:** *Some categories are filed as sub categories within a higher level description. For example the category PETROL STATION is a sub category of AUTOMOTIVE. If you cannot find the item you require it may be hidden within another category.*

### Near position

This allows searching in relation to your current position.

Select this button and a category list will appear. Select the type of place you are looking for, and a list of the nearest options to your current location will appear. Select your choice from the list to navigate to this destination.

### Near last destination

Select this button and a category list will appear. Select the type of place you are looking for (for example a restaurant) and a list of the nearest restaurants to your last entered destination will appear. Select your choice from the list to navigate to this destination.

### City

This allows category searching by defining a city first.

Enter the required city and then choose a category. A list of the nearest related locations is then displayed. Select your choice from the list to navigate to this destination.

# Navigation system - Vehicles With: CD Navigation System

## Waymarks

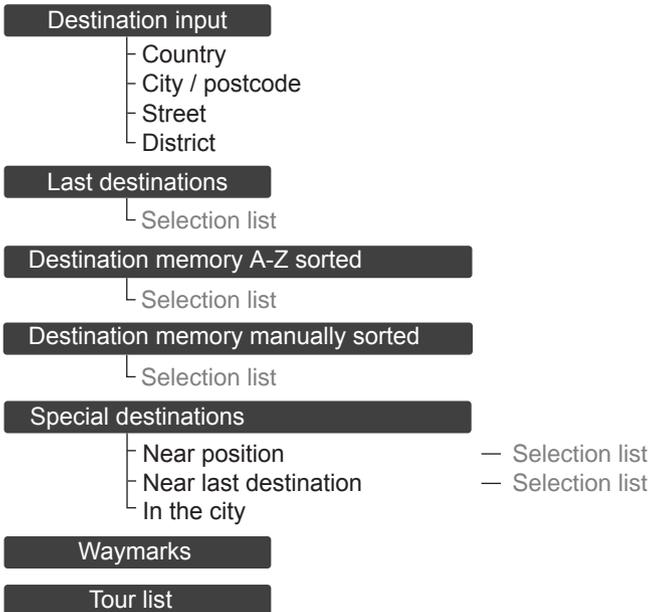
By selecting **Waymarks**, a list of personalised locations may be accessed. These can be off road locations or any other such unmapped areas which may not match a road network on the map database. **Waymarks** may be stored from a current position by selecting **Add**. Once **Waymarks** have been stored they may be accessed and used as programmable destination points.

## Tour list

This feature allows you to enter a number of different destinations and select the order in which you wish to visit them. The system will automatically calculate and display your chosen journey.

## MENU STRUCTURE

The following diagram shows an overview of the main navigation screen menu and its sub-menus:



# Navigation system - Vehicles With: CD Navigation System

## ROUTE OPTIONS MENU

You can set a number of options which alter the way a route is planned. Using the **OPTIONS** button in the navigation screen, the following preferences can be set:

### Dynamic guidance

This feature can be turned on and off. When switched on, and if the unit is receiving a valid traffic message channel (TMC) signal, the route will be automatically updated to take into account real time traffic incidents or congestion.

**Note:** *This feature can be useful in avoiding delays or hold ups on journeys.*

### Route

Select the way in which a route is calculated.

The **Shortest** option will prioritise a minimum practical distance to the destination.

The **Fastest** option will prioritise the route which will get to the destination in the minimum time.

The **Custom** option will allow the user to set a mix of these two route setting options. Go to the menu item **Customized Route** to set the desired mix. Move the slider to achieve the desired mix.

### Road features to be avoided or included

Select from the list which road features are to be avoided or included in the route by turning the feature on or off.

### Further options from the main screen

**START** and **STOP** can be selected to resume or cancel an active route plan.

Once a route is underway, press **ROUTE** to show a list of the route and distances.

## ROUTE DISPLAYS

### Map display

Press the **MAP** button adjacent to the screen display for a map view.

This view will show your current location with your vehicle in the centre shown as an arrow surrounded by a circle. The arrow will face in the direction of travel.

To toggle between a full display map screen or a detailed map screen, press the **DETAILS** button adjacent to the screen display.

You can change the way the map is displayed by altering the zoom and orientation settings. Use the rotary scroll/select to change the map scale and zoom in or out.

**Note:** *Map scale settings may be set between 50 m and 100 km.*

Select **Settings** to change the map orientation settings. See **System settings** (page 10).

The map display will rotate as your vehicle makes changes in direction.

Select **Options** to change the route options settings.

Press the **Mute** button to mute the navigation voice prompts.

A second press of the **Mute** button will resume the navigation voice prompts.

### Junction zoom

This feature will automatically increase the zoom on the map display at times when you are required to make a turn, or perform more complex manoeuvres. Shortly after the zoom scale will return to the previous level.

## Navigation system - Vehicles With: CD Navigation System

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Select AUTO to activate junction zoom.

### Navigation display

After commencing a navigation route, the default screen is the main navigation screen.

Once an active route is underway, guidance will be given by on-screen information and voice prompts. Whichever audio source you wish to leave the unit in, basic turn by turn and distance information will remain on the screen in the form of a graphic inset. You do not need to leave the unit on the main navigation screen when you are navigating a route. Slightly more detailed information on your route may be available via the main navigation screen if required.

#### **WARNING**



Do not rely on the screen prompts when navigating. Always listen to the navigation voice and take care not to be distracted from the road ahead.

---

The navigation inset screen will display the distance to the next turn and the direction of travel to be taken, when you select any audio source, provided that route guidance has been started.

# Navigation telephone control - Vehicles With: CD Navigation System

## GENERAL INFORMATION

Refer to your vehicle's handbook for general information on telephone setup.

## TELEPHONE SETUP

### Phonebook categories

Depending on your phonebook entry, different categories can be displayed in the navigation unit.

The categories are indicated by an icon next to the contact entry on the list

**Note:** *Entries may be displayed without a category attachment (no icon will be displayed).*

### Bond another Bluetooth phone

Phones stored in the system are accessible from the main phone screen.

1. Press the PHONE button.
2. Select **Settings**.
3. Rotate the SELECT button and scroll to **Select active phone**.

#### Settings

- Reject all incoming calls
- Bluetooth
- Select active phone
- Select phone to debond
- Select active BT device
- Select BT device to debond

4. Press the SELECT button to activate selection.
5. Rotate the SELECT button and scroll to the required phone.
6. Press the SELECT button to activate selection.

## USING THE TELEPHONE

This describes the phone functions of the navigation unit.

An active phone must be present and connected.

Even if connected to the navigation unit, your phone can still be used in the usual way.

**Note:** *You can exit the phone menu by pressing any source button (CD/AUX, RADIO for example).*

### Phone menu

Press the PHONE button to access the main phone screen:

- On / Off
- On / Off
- Selection list
- Selection list
- Selection list
- Selection list

# Navigation telephone control - Vehicles With: CD Navigation System

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## Making a call

### Dialling a number

You can access your phone address book either with the phone docked in the cradle or via Bluetooth. The current active phone will appear in the main phone screen display.

1. Press the PHONE button.
2. Enter the required telephone number using the keypad.
3. Select **Dial**.

**Note:** *If you enter an incorrect digit whilst entering a phone number, select **Delete** to erase the last digit. A **long press** on **Delete** will erase the complete string of digits.*

*Press and hold **0** to enter a **+** digit.*

### Dialling a number from the phonebook

You can also dial contacts from your phonebook, without having to enter the number via the keypad.

1. Press the PHONE button.
2. Select **List**.
3. Select **Phone book**.
4. Enter the first letter of the contact name using the alphanumeric keypad.
5. Press the SELECT button.
6. A list of phonebook entries starting with the letter selected will appear.
7. Rotate the SELECT button to scroll through these entries to find the required contact and select it.
8. A detailed screen will appear showing the contact details and number. Select **DIAL** to proceed.

### Ending a call

Calls can be ended by selecting **End** or by pressing one of the audio source buttons.

## Redialling the last dialled number

1. Press the PHONE button.
2. Select **List**.
3. Select **REDIAL** to proceed.

## Receiving an incoming call

### Accepting an incoming call

Incoming calls can be accepted by either:

- pressing the PHONE button
- pressing the MODE button on the remote control
- Selecting **Accept**.

### Rejecting an incoming call

Incoming calls can be rejected by either:

- pressing the CD/AUX button
- pressing the RADIO button
- Selecting **Reject**.

**Note:** *You cannot reject an incoming call using the remote control.*

## Handling a second incoming call

**Note:** *The second incoming call function must be activated in your phone.*

If there is an incoming call whilst there is an ongoing call, a beep will be heard and you will have the option to end the active call and to accept the incoming call.

### Accepting a second incoming call

Second incoming calls can be accepted by either:

- pressing the PHONE button
- pressing the MODE button on the remote control
- selecting **Accept**.

**Note:** *This will cancel the ongoing call.*

# Navigation telephone control - Vehicles With: CD Navigation System

---

## Rejecting a second incoming call

Second incoming calls can be rejected by either:

- pressing the CD/AUX button
- pressing the RADIO button
- Selecting **Reject**.

## Changing the active phone

**Note:** *Phones must be bonded to the system before they can be made active.*

1. Press the PHONE button.
2. Select **Settings**.
3. **Select active phone**.
4. Rotate the SELECT button and select the new phone to become bonded from the list.
5. Press the SELECT button to activate selection.

**Note:** *After bonding a Bluetooth phone to the system, this becomes the active phone.*

## Deleting a bonded phone

A bonded phone can be deleted from the system at any time, unless a phone call is in progress.

1. Press the PHONE button.
2. Select **Settings**.
3. **Select phone to debond**.
4. Rotate the SELECT button and select the phone to debond from the list.
5. Press the SELECT button to activate selection.

## Reject all incoming calls

You may set the phone via the navigation unit to automatically reject all incoming calls.

1. Press the PHONE button.
2. Select **Settings**.

3. Select **Reject all incoming calls**.

4. Press the SELECT button to activate selection.

All incoming phone calls will be diverted to voicemail or to whatever default is set up in your phone. Whilst this button is highlighted in the phone screen, the feature will be active.

# Navigation Quick start - Vehicles With: Touchscreen Display

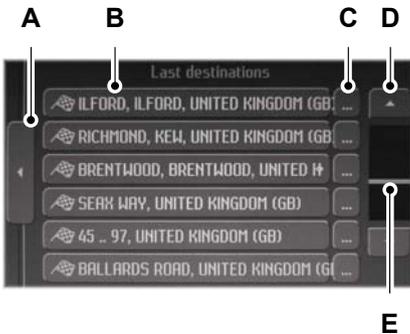
## NAVIGATION QUICK START

The system has a large range of features, yet is easy and intuitive to use. Route guidance can be given by voice prompts and is also shown on the display screen. The screen provides full information for operating the system through the use of menus, text screens and map displays. Screen selections are made by touching the required button on the screen.

### Basic touchscreen operation

There are some common basic methods of entering data and making option selections. These are briefly described below.

### Selection lists



E88721

- A Back/return button
- B Selection list buttons
- C Further information
- D Scroll bar movement arrow buttons
- E Scroll bar.

Various screens are presented which offer a selection list of available options. Press the option which you require, or if it is not shown on the screen you may need to scroll the selection using the up/down arrow buttons to the right of the display.

Press the back button to return to the last screen.

**Note:** You can press and hold the up/down arrow button for continuous scrolling or use the scroll bar for quick scrolling if required.

Some options within a list have text that does not fit completely on the button. In these cases a separate button is shown next to the main button. This button has three dots and when selected provides more details.

### Alphanumeric keypad entry



E88722

When it is necessary to enter an address, a keypad will appear prompting you to enter a postcode, city, or street. Press the letter and number digits to spell your entry. The system will limit your entries to only those characters which spell a valid entry. It will automatically predict your entry if possible so it will not always be necessary to enter the full details.

# Navigation Quick start - Vehicles With: Touchscreen Display

As you spell the entry the results will appear in the top line. Once the desired entry is shown press **OK**. If only part of the name appears highlighted you can press **LIST** and this will show a selection list screen showing all available entries which match. Select your required entry from this list.

If there is more than one entry with the exact same name a selection list will appear showing the various different options.

**Note:** You may also press the **MAP** button to display each option represented on a map.

Select the correct option.

## Return to previous screen display

Touch the back button to return to the previously displayed screen. This is a useful button if you need to only go back one step. The back button may appear on many different screens and will always be on the left side of the screen display.

## Route setting example

This is a simple example explaining how to use the basic features of the system to set a route. For information relating to the other features of the system, see the relevant section in this guide.

Please follow this step by step procedure to familiarise yourself with the system.

## Navigation main screen

To select the navigation mode, push the NAV button adjacent to the touch screen panel. The road safety caution will be displayed. To use the system, read the caution and touch **OK**.



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## Destination input screen

Touch the destination input button to enter the destination you wish to navigate to.



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The destination input screen is now displayed. Starting from the top button first, select the country followed by either postcode if available or city and street name. Use the alphanumeric keypad and selection lists to select your address details.

Once enough information has been entered touch the **CALCULATE ROUTE** button to proceed.

**Note:** If you only need to navigate to a city centre for example, full address details are not required. Touch the **CALCULATE ROUTE** button once it becomes available.

## Navigation Quick start - Vehicles With: Touchscreen Display

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Three alternative routes will now be calculated and displayed as options on the screen. Associated information about each route is given such as distance and estimated time to reach the destination. Press the appropriate route button for your preferred route option.

**Note:** *You can deselect the unwanted routes so that only one route is calculated.*

The screen will now switch to the map display, and instructions on how to proceed will commence. Follow the screen and audio prompts to reach your destination.

# Navigation unit overview - Vehicles With: Touchscreen Display

## NAVIGATION UNIT OVERVIEW



E88272

- A CD eject and aperture
- B Touchscreen display
- C Map display
- D Navigation position information/repeat last navigation voice prompt
- E Home menu select
- F Sound settings and Equalizer settings select. See **Audio operation** (page 39).
- G Seek down
- H Seek up
- I Face level ventilation control

# Navigation unit overview - Vehicles With: Touchscreen Display

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- J Front screen ventilation control
- K Climate control right-hand temperature control
- L Footwell ventilation control
- M Climate control menu
- N On, off and volume control. See **Audio operation** (page 39).
- O Recirculate air
- P Blower decrease speed
- Q Climate control left-hand temperature control
- R Screen maximum defrost
- S Blower increase speed
- T Menu select. See **System settings** (page 32).
- U Phone menu select
- V Traffic or TMC menu select. See **Traffic Message Channel** (page 68).
- W Radio and waveband select. See **Audio operation** (page 39).
- X CD, CD-MP3, CD Changer and AUX source select. See **Audio operation** (page 39).
- Y Navigation main screen. See **Navigation system** (page 42).

## USING THE TOUCHSCREEN

Your navigation unit is equipped with a high quality touch sensitive screen. Where instructed, touch the various buttons shown on the screen. These buttons can be text or icon based and will be enclosed within a box. The button will appear to move when touched to indicate it has been pressed correctly.

**Note:** *In some cases the button will change colour after a successful button press. This is normally to indicate a feature has been activated.*

**Note:** *Buttons will normally appear highlighted and will stand out on the display. If the button option is not available then it will not be highlighted. You cannot select the button in these cases and touching it will have no effect.*

**Note:** *Scroll bars may not be dragged or selected. Use the arrow buttons to move the bar as necessary. An arrow button may be pressed and held for continuous movement.*

## LOADING THE NAVIGATION DATA

Under normal operating conditions access to the navigation data will not be necessary. This is a dealer/service only operation.

For map updates and system upgrades please refer to your dealer.

# System settings - Vehicles With: Touchscreen Display

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## SYSTEM SETTINGS

Most of the important settings for your navigation unit can be accessed via the MENU button. The following section describes the various options and how to use them.

Press the MENU button to display the settings screen. The following diagram shows an overview of the menu structure within the settings screen:

# System settings - Vehicles With: Touchscreen Display

## Map

- View 2D / 3D
- Orientation
  - Auto / North up / Hdg. up
  - On / Off
- Lane
- Nav arrows
  - Off / Temp. / Always
- Map view
  - Position
    - Destination
    - Overview
  - Selection list
- Map content

## Navigation

- Time
  - Remain / Arrival
- Set speed profile
  - Off / Temp. / Always
- Nav arrows
  - Off / Once / Loop
- Nav demo
- Start manual calibration
- Enter position manually

## Radio

- News
  - On / Off
- Alternative freq.
  - On / Off
- Regional
  - On / Off
- Service Linking
  - Auto / Off

## Display off

## Clock/date

- Manual set screen
  - Via GPS

## Display

- Display mode
  - Day / Night / Auto
- View
  - Colour 1 / Colour 2
- Brightness
- Calibrate touch screen

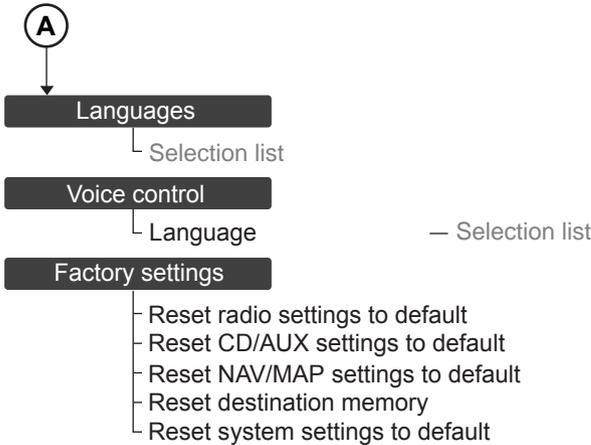
## Volume settings

- Nav voice output
  - On / Off
- Nav mix
- AVC



E88792

# System settings - Vehicles With: Touchscreen Display



E88793

Touch the button required as shown in the first column of the menu tree. A description of the various functions and options available are given here:

## Map button

This accesses features to customise the map display.

## View

The view option changes the map display from 2D to 3D view.

- Select 2D for a plan view (this is closest to a paper map).
- Select 3D for a simulated forward facing view.

## Orientation

This changes the way in which the map is displayed.

- Select NORTH UP to display the map with north always at the top of the screen.
- Select HDG. UP to display the map with the direction of the vehicle always at the top of the screen. The display will rotate as your vehicle changes direction.
- Select AUTO to select a combination of the above two options. For lower map scales, the system will use a HDG. UP display, and for higher scales it will switch to a NORTH UP display.

**Note:** You can also select these functions via a *shortcut button* on the map screen. See **Route displays** (page 45).

**Note:** Some map settings will only display a HDG. UP or NORTH UP orientation and cannot be changed.

## System settings - Vehicles With: Touchscreen Display

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**Note:** In 3D map view only the HDG. UP map orientation is possible.

### Lane

Select this feature to enable the lane recommendation information box. See **Route displays** (page 45).

**Route displays** (page 45).

### Navigation arrows

This feature enables a graphic inset on the map display screen which shows the next turn or direction to travel in. See **Route displays** (page 45).

- Select OFF to disable.
- Select TEMP. to activate. This option will only display the inset graphic when there is a direction change or turn approaching.
- Select ALWAYS to turn this on constantly. A graphic inset will always be shown even if there is no direction change or turn approaching.

### Speed limit display

- Select ON to show the correct speed limit in the map view.
- Select OFF to disable.

### Map view

- Select POSITION to show the map with the current location of the vehicle in the centre.
- Select DESTINATION to show the map centred on the entered destination address.
- Select OVERVIEW to show the map automatically scaled to display the entire route.

### Map content

This feature enables various categories of information to be included on the map display. You may select and de-select the different categories by scrolling through the options.

**Note:** Multiple categories can be selected.

### Navigation button

#### Time

This feature changes the way in which the journey time is shown in navigation mode.

- Select REMAIN to display the remaining estimated driving time to reach the destination.
- Select ARRIVAL to display the estimated time of arrival.

### Set speed profile

This feature allows personal adjustment of average speeds assumed for a given category of road. This allows you to customise the system to your individual driving style. This should make the estimated travel time calculations more realistic.

### Navigation arrows

This feature enables a graphic inset on the audio and phone display screens, that shows basic navigation information. The graphic will be an arrow showing the next turn or direction to travel in, and the distance to that turn.

# System settings - Vehicles With: Touchscreen Display

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## Navigation demo

This feature allows you to set any vehicle start position, and to begin a demonstration route guidance scenario if required. Your GPS position is ignored when activating this feature and your vehicle does not need to be moving to begin a route.

- Select OFF to deactivate. The system will operate normally using the GPS sensor and display the true vehicle position.
- Select ONCE to enable and run through a simulated route guidance plan one time only.
- Select LOOP to enable a continuous demonstration mode. The simulated route will keep repeating by returning to the start point once the destination has been reached.

To enter a simulated vehicle position, select the manual position button. This will allow entry of an address in the usual manner.

## Radio button

### News

This feature will interrupt normal reception to broadcast news bulletins from stations on the FM waveband, in the same way as traffic information is provided. News interrupts are broadcast at the same preset volume level as traffic announcements. You can turn this on and off.

## Alternative frequencies

Many programmes broadcast on the FM waveband have a programme identification (PI) code, which can be recognised by audio units. If your radio has alternative frequencies (AF) tuning switched on and you move from one transmission area to another, this facility will search for and switch to a stronger station signal, if one can be found. When selected, the unit continually evaluates signal strength and, if a better signal becomes available, the unit will switch to that alternative. It mutes while it checks a list of alternative frequencies and, if necessary, it will search once across the selected waveband for a genuine alternative frequency. It will restore radio reception when it finds one or, if one is not found, the unit will return to the original stored frequency.

## Regional

Regional mode controls the behaviour of AF switching between regionally related networks of a parent broadcaster. A broadcaster may run a fairly large network across a large part of the country. At various times of the day this large network may be broken down into a number of smaller regional networks, typically centred on major towns or cities. When the network is not split into regional variants, the whole network carries the same programming.

Regional mode ON: This prevents random AF switches when neighbouring regional networks are not carrying the same programming.

Regional mode OFF: This allows a larger coverage area if neighbouring regional networks are carrying the same programming, but can cause random AF switches if they are not.

# System settings - Vehicles With: Touchscreen Display

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## DAB service linking

**Note:** *The DAB service linking is as per default off.*

**Note:** *Service linking allows cross-referencing to other corresponding frequencies of the same station, for example FM and other DAB ensembles.*

**Note:** *The system will automatically change to another corresponding station if the current one becomes unavailable, for example when leaving the coverage area.*

Switching DAB service linking on and off. See **System settings** (page 32).

## Display off button

Turns off the screen display. Press any button or touch anywhere on the screen to turn on again.

## Clock and date button

Use this to either manually set the time and date, or to set via a GPS signal if in a suitable coverage position.

## Manual setting

Use the arrows to advance the hours, minutes and date. You can also change the format of the time display from 12hr to 24hr clock, as well as the date format.

## GPS setting

To set the clock and date automatically, touch the VIA GPS button and the time and date will be updated if there is suitable reception. You may alter the time and date format as previously described.

You can also set the system to adjust for seasonal time differences using the Daylight Saving Time on or off button.

Enter your current time zone using the button and selection list.

## Display button

Use this to change your touchscreen display preferences.

## Display mode

The screen can be optimised for day or night time driving, or an automatic switch between the two depending on vehicle headlamp activation.

## View

Use this feature to switch between different colour themes for the display and menus.

## Brightness

Use the arrows to alter the screen brightness.

## Calibrate touch screen

It may be necessary to periodically calibrate your touch screen. Follow the on screen instructions.

## Volume settings button

### Nav voice output

Voice guidance when navigating may be turned on or off via this control.

**Note:** *It is recommended to leave this on, and to avoid taking your eyes off the road to read the navigation screen display.*

### Nav mix

Move the slider bar to adjust the volume mix between the navigation voice output and the audio source. Navigation voice output does not interrupt normal audio playback, but is mixed with it and appears as a 'voice over'.

**Note:** *During navigation voice playback, the preset navigation voice volume may be adjusted using the volume control knob.*

# System settings - Vehicles With: Touchscreen Display

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## AVC

Automatic Volume Control (AVC) adjusts the audio source volume in relation to the speed of the vehicle. Move the slider bar to control the sensitivity.

**Note:** Move the bar to the far left position to turn AVC off.

## Languages button

Select your required on-screen display language from the selection list.

**Note:** To change from metric units to imperial units select the appropriate English language option.

## Voice control button

Use this to select the correct language for the voice recognition functions.

### CAUTION



If you change the voice recognition language, all stored user words will be deleted.

---

## Factory settings button

### CAUTION



You will lose your personal settings after using the reset buttons.

---

Use these functions to return the unit back to factory default settings.

# Audio operation - Vehicles With: Touchscreen Display

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## RADIO OPERATION

### Volume and power control

Press the central button on the unit to turn on or off.

Rotate the central button to adjust the volume.

### Sound settings

Press the SOUND button adjacent to the screen to access the audio settings.

The **FADE** control is used to adjust the sound distribution from front to rear.

The **BALANCE** control is used to adjust the sound distribution between the left and right speakers.

The **TREBLE** and **BASS** control adjusts the high and low audio frequencies respectively. These settings may be customized for each source.

The **LOUDNESS** control boosts the lower frequency range at low volumes to achieve a fuller sound.

**Note:** *Some fade control is not adjustable during an active voice output by the system or during a phone call.*

### Equalizer settings

Touch **EQUALIZER** to access a further menu:

**Note:** *A second press of the SOUND button will also switch between the main sound settings menu and the equalizer options menu.*

### Compression

With this feature on, quieter music is boosted and louder music lowered to minimise repeated volume adjustments. Turn this feature on or off by using this menu setting.

## DSP presets

Select the music category that most suits your listening preference. For example select **CLASSIC** if you are listening to classical music. The audio output will change to enhance the particular style of music chosen.

### Optimize

This feature takes into account the differences in distance from the various speakers in the vehicle to each seat. Select the sitting position for which the audio is to be correctly enhanced.

If no particular seating position requires audio optimization, then select the **ALL** option.

### Selecting a waveband

Press the RADIO button.

Touch the required waveband button on the left side of the touchscreen. Each band can store up to 5 preset stations.

**Note:** *Keep pressing the RADIO button to scroll through the available wavebands.*

FM AST is the autostore waveband. Using this option you can search and store the 5 strongest radio stations for your area. Touch the **FM AST** button and then touch **STORE** to activate this feature.

**Note:** *You can also touch and hold FM AST to perform autostore. Press and hold the RADIO button to activate the same function.*

## Tuning

### Seek tuning

To automatically tune press the seek up/seek down buttons adjacent to the touchscreen. The next available station will be selected.

# Audio operation - Vehicles With: Touchscreen Display

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## Manual tuning

Press **TUNE** to enter the manual tune screen. Here you may directly enter the frequency using the numeric keypad or advance the frequency display step by step using the single left/right arrow buttons. The double arrow buttons activate seek tuning.

## Scan tuning

Touch the **SCAN** button to review all available stations. The radio will play 10 seconds of each station before advancing to the next available station. Press **SCAN** again once a suitable station has been reached to turn the function off.

**Note:** *Scan tuning is not available on the FM AST waveband.*

## Station preset memory

Up to 5 preset stations can be set for each waveband. To store a preset, tune into the desired station and then touch and hold a button 1 to 5. To recall a stored preset touch the button 1 to 5 which displays the required station frequency or name.

Touch **FM LIST** for a list of all available preset stations. Select the desired station for direct tuning.

## Advanced radio settings

See **System settings** (page 32).

## CD OPERATION

**Note:** *For sound setting information See **Radio operation** (page 39).*

Press the CD/AUX button adjacent to the touchscreen.

If a CD is loaded this will start playing, otherwise a warning will appear advising the CD slot is empty.

**Note:** *Pressing the CD/AUX button repeatedly will toggle between the AUX input mode, CD mode and CD changer mode (if fitted).*

## Playing a CD

Loading a disc into the CD aperture will automatically start CD playback and enter the CD screen. If another source is playing and a CD is already loaded, pressing the CD/AUX button will resume CD playback.

## Track seek

To advance a track press the seek up button adjacent to the touchscreen.

To go the beginning of a track press the seek down button. Press the button again to go to the previous track.

**Note:** *You can also directly access individual tracks by touching the arrow up/down buttons on the right side of the screen. This shows a selection list of available tracks. Press the button for your desired track.*

## Track fast forward/reverse

Press and hold the seek up/down buttons to search forwards or backwards within the track playing.

## Shuffle

This feature plays tracks in a random order.

Touch the **SHUFFLE** button to turn this on and off. The button stays highlighted when this feature is on.

**Note:** *The icon within the button shows if the feature is applied either to the whole CD disc or a folder in the case of a CD disc with MP3 audio. Repeated button presses toggle between these different modes.*

## Audio operation - Vehicles With: Touchscreen Display

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### Repeat

This feature will play tracks on a continuous loop.

Touch the **REPEAT** button to turn this on and off. The button stays highlighted when this feature is on.

**Note:** *The icon within the button shows if the feature is applied either to the track or a folder in the case of a CD disc with MP3 audio. Repeat button presses toggle between these different modes.*

### Scan

This feature will play a short introduction of each track before advancing to the next track. Turn the feature off once the desired track is reached.

Touch the **SCAN** button to turn this on and off. The button stays highlighted when this feature is on.

**Note:** *The icon within the button shows if the feature is applied either to the whole CD disc or a folder in the case of a CD disc with MP3 audio. Repeat button presses toggle between these different modes.*

### MP3 CD playback

The internal CD drive will also play CD-ROMs with MP3 files.

Supported formats include:

- MPEG1, Audio layer 3 (ISO/IEC 11172-3)
- MPEG2, Audio layer 3 (ISO/IEC 13818-3.2)
- Scan rates of 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz
- Permissible bit rate is 8kbit/s to 320 kbit/s

You can browse files and folders in a MP3 disc by using the scroll bar tool on the right side of the screen. Touch the scroll bar arrows.

The root directory will be shown first, together with any folders and tracks in this area. Selecting a track from here will start playback. If you wish to search a folder, select the button corresponding to this folder. The contents of the folder will be displayed, showing any tracks or further nested sub folders. Touch the back button on the left side of the screen to go back a step.

**Note:** *Naming folders as album titles may help when browsing an MP3 disc.*

### CD changer playback

If a CD changer is connected to the navigation unit, press the CD/AUX button until the CD changer screen is displayed. This will activate the CD changer as the currently selected audio source.

Filled slots in the CD changer magazine are displayed on the screen. Touch the button for the disc number you wish to play.

The controls for a disc playing via the CD changer are the same as for a disc in the internal CD drive.

### Auxiliary input

If your vehicle is equipped with an AUX input socket selecting AUX will allow an external device to be played through the system.

Press CD/AUX twice to select the AUX input mode. You may control volume and other audio settings in the same way as for other sources.

# Navigation system - Vehicles With: Touchscreen Display

## NAVIGATION SYSTEM CONTROLS

Press the NAV button to enter the main navigation screen.



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- A Current destination input
- B Current location.

This is the main navigation screen, from where destinations are entered and routes are set. If an address has been entered as a destination, this will appear next to the flag icon. Your current location is shown next to the pin icon.

Various ways to enter your destination are achieved with the buttons listed on the left side of the screen:

### Destination input

Touch **DEST. INPUT** to enter the destination input screen. For details of operation See **Navigation Quick start** (page 27).

### Destination input from map

This function will allow a destination to be entered directly from the map display screen. Navigate the map view by zooming in and out, together with map scrolling to locate the required destination on the map.

**Note:** Drag the map in the desired direction.

**Note:** Press the map twice to confirm your selection.

**Note:** This method of destination input only operates in the 2D map display mode.

### Last destinations

This allows quick access to a history of previous destinations entered in the system. Select the required repeat destination from the list.

### Destination memory

The destination memory menu gives access to a detailed set of advanced user controls. You may customize a personal destination address book and assign user defined names to addresses and locations for example.

### Last destinations

In addition to this feature described above, you may edit the entries within this list. Touch **EDIT** and you have the option to erase one or all entries from this list. It is also possible to assign a name to a destination in the list by selecting the required destination and entering a name using the keypad.

### Editing destinations

By using the **EDIT** buttons you can manipulate and store destinations for future reference. You may assign personal names to destinations and locations, which can then be stored and retrieved in a list.

### Tour

By using this function you may enter multiple destinations. You can use this function if you are going on a trip and have several different destinations to visit.

**Note:** The system will not order the destinations automatically for the most logical route. The destinations entered must be manually sorted.

# Navigation system - Vehicles With: Touchscreen Display

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## Waymarks

By selecting **WAYMARKS**, a list of personalised locations may be accessed. These can be off road locations or any other such unmapped areas which may not match a road network on the map database. Waymarks may be stored from a current position by selecting the **EDIT** button. Once a waymark has been stored it may be accessed and used as a programmable destination point.

## Special destinations

This part of the menu allows navigation with Points Of Interest (POI). These are categorized locations such as restaurants, railway stations, etc.

**Note:** *Some categories are filed as sub categories within a higher level description. For example the category **PETROL STATION** is a sub category of **AUTOMOTIVE**. If you cannot find the item you require it may be hidden within another category.*

## Near last destination

Touch this button and a category list will appear. Select the type of place you are looking for (e.g. restaurant), and a list of the nearest restaurants to your last entered destination will appear. Select your choice from the list to navigate to this destination.

## Near city

This allows category searching by defining a city first.

Enter the required city and then choose a category. A list of the nearest related locations is then displayed. Select your choice from the list to navigate to this destination.

## Near position

This allows searching in relation to your current position.

Touch this button and a category list will appear. Select the type of place you are looking for, and a list of the nearest options to your current location will appear. Select your choice from the list to navigate to this destination.

## Search by name

This allows a direct search of a destination by it's name if you know it. For example this could be the name of a restaurant chain. Enter the name and a list of matches will appear if found. Select to navigate in the usual way.

## Destination input by voice

It is also possible to enter a destination address via voice control. See **Navigation voice control** (page 51).

## MENU STRUCTURE

The following diagram shows an overview of the main navigation screen menu and its sub-menus:

# Navigation system - Vehicles With: Touchscreen Display

Dest. input

- Country
- City / postcode
- Street
- Centre
- Number
- Corner

Dest. from map

Last dest.

— Selection list

Dest. memory

- Last destinations — Selection list
- Alphabetically sorted — Selection list
- Manually sorted — Selection list
- Tour list — Selection list
- Waymarks — Selection list

Special dest.

- Near last destination — Selection list
- Near city
- Near position — Selection list
- Search by name

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## ROUTE OPTIONS MENU

You can set a number of options which alter the way a route is planned. Using the **OPTIONS** button in the navigation screen, the following preferences can be set:

### TMC dynamic

When switched on, and if the unit is receiving a valid traffic message channel (TMC) signal, the route will be automatically updated to take into account real time traffic incidents or congestion.

**Note:** *This feature can be useful in avoiding delays or hold ups on journeys.*

### Route

#### Eco

This option will prioritise the most economical route to the destination.

#### Fast

This option will prioritise the fastest route to the destination.

#### Short

This option will prioritise the shortest route to the destination..

# Navigation system - Vehicles With: Touchscreen Display

## Trailer

Use this feature to change the economy settings of your journey relating to whether or not you are towing a trailer and if so the size of trailer being towed.

## Roof rack

Use this feature to change the economy settings of your journey relating to the use of a roof rack.

## Options

Press this button to specify which road features are allowed in calculating a route. Select which road features are to be avoided or included in the route by selecting yes or no for each category.

## Further options from the main screen

**START** and **STOP** can be selected to resume or cancel an active route plan.

Once a route is underway, touch **ROUTE** to show a list of the route and distances.

A button icon depicting a speaker allows the navigation voice prompts to be muted if required.

## ENTERING A DESTINATION

### Basic destination entry

See **Navigation Quick start** (page 27).

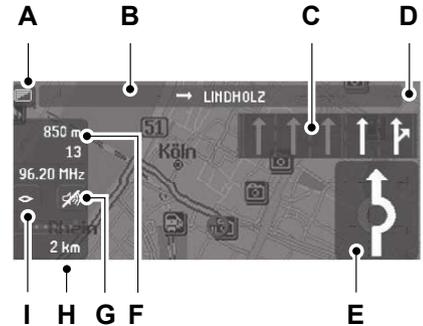
### Alternative destination entry methods

See **Navigation system controls** (page 42).

## ROUTE DISPLAYS

### Map display

Press the MAP button adjacent to the touchscreen display for a map view.



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- A Toggle full screen on and off
- B Name of current road/name of next road to take
- C Lane recommendation
- D Speed limit display or map centre button
- E Turn/direction indicator
- F Distance to destination display/button to toggle between estimated time of arrival and remaining journey time
- G Navigation voice mute button
- H Map scale button
- I Map orientation button

This view will show your current location with your vehicle in the centre shown as an arrow surrounded by a circle. The arrow will face in the direction of travel.

# Navigation system - Vehicles With: Touchscreen Display

The information on the top line gives the name of the current road, or the next road to take if a turn is approaching. The line will change colour accordingly, with a blue line indicating the current road and an orange line indicating the next road.

You can change the way the map is displayed by altering the zoom and orientation settings. Use the map zoom button to change the map scale and zoom in or out. The current map scale is shown on the zoom button. To change, press the zoom button and adjust via the slider bar arrows.

Map scale settings may be set between 50 m to 500 km or 0.05 miles to 500 miles, with an auto setting to the far left. The auto setting continuously changes the map scale according to the road type being driven.

Touch the map orientation button to change between a north up orientation and a head up orientation. See **System settings** (page 32). In a head up setting, the compass within the button will show the current direction of travel, with the north tip coloured white. The map display will rotate as your vehicle makes changes in direction.

**Note:** Some map display modes will not give this option to switch orientation.

## Junction zoom

This feature will automatically increase the zoom on the map display at times when you are required to make a turn, or perform more complex manoeuvres. Shortly after the zoom scale will return to the previous level.

Select AUTO to activate junction zoom.

## Toggle full screen on and off

Select this feature to toggle between a full display map screen or a detailed map screen.

## Lane recommendation

To turn this feature on or off, See **System settings** (page 32).

As you approach an intersection or junction during route guidance, the display will automatically highlight the recommended lane to get into, prior to the next turn or road to take.

This information will appear within a box at the top right area of the map.

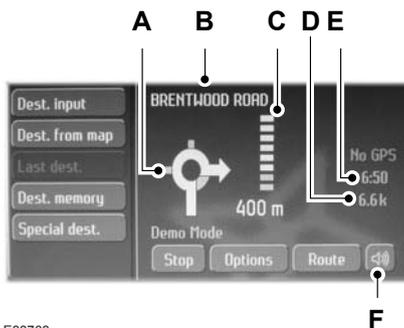
**Note:** The recommended lane information will only be shown when map view is selected.

**Note:** Lane recommendation information will only be given if the map database supports the concerned road or junction. This will mainly be the major road networks like motorways and trunk roads.

## Navigation display

After commencing a navigation route, the default screen is the main navigation screen:

**Note:** Press and hold the **MAP** button to toggle between 2D and 3D map view.



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- A Turn/direction indicator
- B Next road

# Navigation system - Vehicles With: Touchscreen Display

- C Distance to next turn/direction change and visual countdown indicator
- D Distance to destination
- E Estimated time of arrival
- F Navigation voice mute.

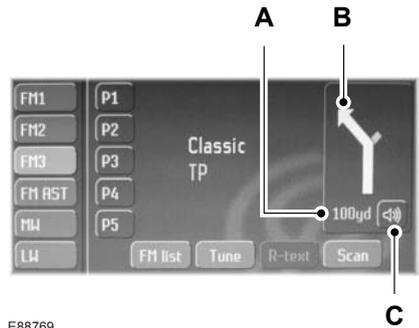
Once an active route is underway, guidance will be given by on-screen information and voice prompts. Whichever audio source you wish to leave the unit in, basic turn by turn and distance information will remain on the screen in the form of a graphic inset. You do not need to leave the unit on the main navigation screen when you are navigating a route. Slightly more detailed information on your route may be available via the main navigation screen if required.

## WARNING



Do not rely on the screen prompts when navigating. Always listen to the navigation voice and take care not be distracted from the road ahead.

## Route guidance graphic inset - navigation arrows



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- A Distance to next turn/direction change
- B Turn/direction indicator
- C Navigation voice mute.

To turn this feature on or off, See **System settings** (page 32).

The navigation inset screen is displayed when you select any audio source, provided that route guidance has been started.

# Navigation telephone control - Vehicles With: Touchscreen Display

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## GENERAL INFORMATION

Refer to your vehicle's handbook for general information on telephone setup.

## TELEPHONE SETUP

### Phonebook categories

Depending on your phonebook entry, different categories can be displayed in the navigation unit.

The categories are indicated by an icon next to the contact entry on the list

**Note:** *Entries may be displayed without a category attachment (no icon will be displayed).*

### Bond another Bluetooth phone

Phones stored in the system are accessible by touching **SELECT ACTIVE PHONE** from the main phone screen.

Dial number

Redial

Phone book

Select phone – Selection list

Debond phone – Selection list

## USING THE TELEPHONE

This describes the phone functions of the navigation unit.

An active phone must be present.

Even if connected to the navigation unit, your phone can still be used in the usual way.

**Note:** *You can exit the phone menu by pressing any source button (CD/AUX, RADIO for example).*

**Note:** *Not all features may be available, depending upon the phone that is paired to the system.*

### Phone menu

Press the PHONE button to access the main phone screen:

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# Navigation telephone control - Vehicles With: Touchscreen Display

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## Making a call

### Dialling a number

You can access your phone address book either with the phone docked in the cradle or via Bluetooth. The current active phone will appear in the main phone screen display.

1. Press the PHONE button.
2. Touch **DIAL NUMBER**.
3. Enter the required telephone number using the keypad.
4. Touch the green phone icon to dial the number displayed.

**Note:** *If you enter an incorrect digit whilst entering a phone number, touch the delete (back arrow) button to erase the last digit. A long press will erase the complete string of digits.*

*Press and hold **0** to enter a + digit.*

### Dialling a number from the phonebook

You can also dial contacts from your phonebook, without having to enter the number via the keypad.

1. Press the PHONE button.
2. Touch **PHONE BOOK**.
3. Enter the first letter of the contact name using the alphanumeric keypad.
4. A list of phonebook entries starting with the letter selected will appear. Scroll through these entries to find the required contact and select it.
5. A detailed screen will appear showing the contact details and number. Touch **DIAL NUMBER** to proceed.

### Ending a call

Calls can be ended by touching the red call reject button, or by pressing one of the audio source buttons.

### Redialling the last dialled number

1. Press the PHONE or the call accept button.
2. Touch **REDIAL**.

### Receiving an incoming call

#### Accepting an incoming call

Incoming calls can be accepted by either:

- pressing the PHONE button
- pressing the MODE button on the remote control
- pressing the call accept button.

#### Rejecting an incoming call

Incoming calls can be rejected by either:

- pressing the call reject button
- pressing the CD/AUX button
- pressing the RADIO button.

**Note:** *You cannot reject an incoming call using the remote control.*

### Handling a second incoming call

**Note:** *The second incoming call function must be activated in your phone.*

If there is an incoming call whilst there is an ongoing call, a beep will be heard and you will have the option to end the active call and to accept the incoming call.

#### Accepting a second incoming call

Second incoming calls can be accepted by either:

- pressing the call accept button
- pressing the MODE button on the remote control
- pressing the PHONE button.

**Note:** *This will cancel the ongoing call.*

# Navigation telephone control - Vehicles With: Touchscreen Display

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## Rejecting a second incoming call

Second incoming calls can be rejected by pressing either:

- pressing the call reject button
- pressing the CD/AUX button
- pressing the RADIO button.

## Changing the active phone

**Note:** *Phones must be bonded to the system before they can be made active.*

1. Press the PHONE or call accept button.
2. Touch **SELECT ACTIVE PHONE**.
3. Select the new phone to become bonded from the list.

**Note:** *After bonding a Bluetooth phone to the system, this becomes the active phone.*

## Debonding a bonded phone

A bonded phone can be deleted from the system at any time, unless a phone call is in progress.

1. Press the PHONE or call accept button.
2. Touch **DEBOND PHONE**.
3. Select the phone to debond from the list.

## Reject incoming calls

You may set the phone via the navigation unit to automatically divert all incoming calls.

Touch **REJECT ALL CALLS** and this will switch the function on. All incoming phone calls will be diverted to voicemail or to whatever default is set up in your phone. Whilst this button is highlighted in the phone screen, the feature will be active.

Touch **REJECT ALL CALLS** again to turn this off.

## Muting a call

A button icon depicting a microphone allows the call to be muted if required.

# Navigation voice control - Vehicles With: Touchscreen Display

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## PRINCIPLE OF OPERATION

Voice recognition enables operation of the system without the need to divert your attention from the road ahead in order to change settings, or receive feedback from the system.

Whenever you issue one of the defined commands with the system active, the voice recognition system converts your command into a control signal for the system. Your inputs take the form of dialogues or commands. You are guided through these dialogues by announcements or questions.

Please familiarise yourself with the functions of the navigation system before using voice recognition.

**Note:** *If the Bluetooth and Voice Control is used for an extended period of time when the vehicle is stationary, make sure that the engine is running to avoid draining the battery.*

## Supported commands

The voice control system allows you to control the following vehicle functions:

- Phone
- Radio
- CD Player
- CD Changer
- Climate Control
- Navigation system
- System settings.

**Note:** *The voice control system is language specific. If you require the system to operate in another language please make required change through the system settings menu.*

## General activation of the voice recognition system

Voice control is activated by a short press on the remote control voice button. All audio sources shall be muted (paused in the case of CD/MP3/CD changer playback).

## System response

As you work through a voice session the system will prompt you with a beep tone each time the system is ready to proceed.

Do not try to give any commands until the beep tone has been heard.

If you are not sure how to continue say "HELP" for assistance or "CANCEL" if you do not wish to continue.

The "HELP" function provides only a subset of the available voice commands. Detailed explanations of all possible voice commands can be found on the following pages.

## Voice commands

All voice commands should be given using a natural speaking voice, as if speaking to a passenger or on the phone. Your voice level should be dependant on the surrounding noise level inside or outside the vehicle but do not shout.

## USING VOICE CONTROL

### System operation

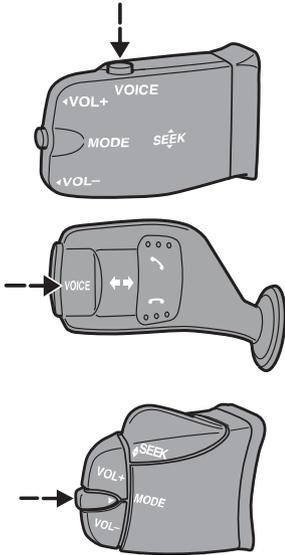
The content of usable voice commands are given in the following lists. The tables show the correct user voice commands for each available function.

< > indicates a number or stored name tag to be inserted by the user.

# Navigation voice control - Vehicles With: Touchscreen Display

## Start communicating with the system

Before you can start talking to the system you first have to press the VOICE button or the MODE button for each operation and wait until the system answers with a beep.



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## Audible feedback

After issuing a voice command or pressing the VOICE button the system will respond, if necessary, by way of an audible prompt. Use these responses to lead you through the necessary dialogue to achieve the required control. The command process is designed to be easy to use, and will automatically prompt you with the available options to proceed if you say something that the system does not understand, or if you say nothing at all.

## Visual feedback via the navigation screen

Voice control enables you to operate the applications described within the system while driving, keeping both hands on the steering wheel and your eyes on the road. The system is designed to avoid having to pay attention to the navigation screen. Nevertheless, the system shall also provide some visual feedback to support your understanding of the voice recognition process. Visual feedback is presented in a way that relevant information can be understood with few and short glances.

During a voice dialogue a pop-up window is shown, consisting of (from top to bottom):

- **Listening status:** A microphone icon indicates whether the system is ready for your voice command or not.
- **Headline:** The headline informs you about the context of the current dialogue (for example which application, which dialogue sequence, etc.)
- **Command list:** There may be several lines available to show you which commands can be used in the current dialogue. If there are too many commands to be shown, only the main commands are displayed. You can activate the next page(s) of the pop-up showing further commands with the command "More Help" or "General help" if available.
- **Status line:** The status line shows the last recognized voice command.

# Navigation voice control - Vehicles With: Touchscreen Display

## Main voice commands

The following voice commands are the main commands that will be used to initiate a specific instruction. They generally cover the operation of the hard keys on the navigation unit front bezel. Use these commands to switch between the main functions of the unit, before issuing further detailed commands.

User voice command	Comment
"RADIO" / "TUNER"	Starts radio
"CD-CHANGER" / "CHANGER"	Starts CD changer
"CD-PLAYER" / "AUDIO-CD"	Starts CD/CD MP3
"TELEPHONE" / "PHONE" / "MOBILE/CELL PHONE"	Starts phone
"NAVIGATION" / "NAVI" / "SATNAV"	Starts navigation
"CLIMATE" / "CLIMATE CONTROL"	Starts climate control
"CANCEL" / "ABORT"	Cancels the current dialogue
" HELP" / "WHAT CAN I SAY?" / "COMMANDS"	Most important general help commands if the active application cannot be controlled by voice, else application/dialogue specific commands
"MORE HELP" / "MORE COMMANDS"	Less important general help commands if the active application cannot be controlled by voice, else less important application/dialogue specific command (command not always available)
"GENERAL HELP" / "GENERAL COMMANDS"	Most important general help commands
"CHANGE TO <source>" / "GO TO <source>" / "SWITCH TO <source>"	Switches between different applications

# Navigation voice control - Vehicles With: Touchscreen Display

## Help function

If at any stage of a voice dialogue you become unsure of how to proceed, say "HELP" after the beep sound. The system will then reply with helpful advice and instructions on what your available options are.

## AUDIO UNIT COMMANDS

### CD Player

You can control many CD audio features directly by voice control.

### Overview

The overview below shows the available voice commands for operating your CD player.

CD Audio voice commands
"NEXT CD"
"PREVIOUS CD"
"NEXT TRACK"/"NEXT SONG"/"NEXT TITLE"
"PREVIOUS TRACK"/"PREVIOUS SONG"/"PREVIOUS TITLE"
"CD <1-6>"/"CD NUMBER <1-6>"
"TRACK <1-99>"/"TRACK NUMBER <1-99>"/"SONG <1-99>"/"SONG NUMBER <1-99>"/"TITLE <1-99>"/"TITLE NUMBER <1-99>"
"SHUFFLE ON"/"RANDOM ON"/"MIX ON"
"SHUFFLE CD ON"/"RANDOM CD ON"/"MIX CD ON"
"SHUFFLE OFF"/"RANDOM OFF"/"MIX OFF"
"SHUFFLE CD OFF"/"RANDOM CD OFF"/"MIX CD OFF"

### Worked example

The following sequence shows how a typical voice dialogue may be used to activate a CD function:

1. Press the voice activation button
2. System: beep
3. User: "CD PLAYER"
4. The system now activates the CD player and plays the last track.
5. System: "CD PLAYER"
6. System: beep

If the navigation system CD slot is empty:

1. Press the voice activation button
2. System: beep
3. User: "CD PLAYER"
4. System: "CANCEL. CD SLOT IS EMPTY."

### CD changer

You can control additional CD changer features directly by voice control.

# Navigation voice control - Vehicles With: Touchscreen Display

## Overview

The overview below shows the available voice commands for operating your CD changer. Use these together with the regular CD player commands.

CD Changer voice commands
"CD <1-6> TRACK <1-99>"/"CD NUMBER <1-6> TRACK NUMBER <1-99>"
"SHUFFLE CHANGER ON"/"RANDOM CHANGER ON"/"MIX CHANGER ON"
"SHUFFLE CHANGER OFF"/"RANDOM CHANGER OFF"/"MIX CHANGER OFF"

## Worked example

The following sequence shows how a typical voice dialogue may be used to activate a CD changer function:

1. Press the voice activation button
2. System: beep
3. User: "CD CHANGER"
4. The system now activates the CD changer and plays the last track.
5. System: "CD CHANGER"
6. System: beep

If no CD Changer is connected to the navigation system:

1. Press the voice activation button
2. System: beep
3. User: "CD CHANGER"
4. System: "CANCEL. CD CHANGER COULD NOT BE ACTIVATED."

## Radio

The radio voice commands support the functionality of the radio and allow you to tune radio stations by voice control.

## Overview

The overview below shows the available voice commands for operating your radio.

"RADIO / TUNER"
"PLAY PRESET <1-5>" / "PRESET <1-5>"
"DELETE STATION NAME" / "DELETE PRESET NAME"
"DELETE ALL STATION NAMES" / "DELETE ALL PRESET NAMES"
"READ STATION NAMES" / "READ ALL STATION NAMES"
"CHANGE STATION NAME" / "CHANGE NAME"
"STORE STATION AS PRESET" / "STORE STATION"
"PLAY STATION < >" / "PLAY < >"
"DELETE STATION < >" / "DELETE < >"
"FM" / "FM BAND" / "SWITCH TO FM" / "SWITCH TO FM BAND"

## Navigation voice control - Vehicles With: Touchscreen Display

<b>"RADIO / TUNER"</b>
"MW" / "MEDIUM WAVE BAND" / "MEDIUM WAVE"
"LW" / "LONG WAVE BAND" / "LONG WAVE"
"FM<1-3>" / "SWITCH TO FM<1-3>"
"FM AST" / "SWITCH TO FM AST"
"MEDIUM WAVE BANK" / "SWITCH TO MEDIUM WAVE"
"LONG WAVE BANK" / "SWITCH TO LONG WAVE"
"FREQUENCY <87.5-108.0>" / "PLAY <87.5-108.0>" / "FREQUENCY <87.5-108.0> MHZ" / "PLAY <87.5-108.0> MHZ"
"FREQUENCY <531-1620>" / "PLAY <531-1620>" / "FREQUENCY <531-1620> KHZ" / "PLAY <531-1620> KHZ"
"FREQUENCY <153-279>" / "PLAY <153-279>" / "FREQUENCY <153-279> KHZ" / "PLAY <153-279> KHZ"
"NEXT STATION" / "PLAY NEXT STATION"
"PREVIOUS STATION" / "PLAY PREVIOUS STATION"
"TA ON" / "TRAFFIC ANNOUNCEMENT ON"
"TA OFF" / "TRAFFIC ANNOUNCEMENT OFF"
"ADD STATION NAME" / "NAME STATION" / "STORE STATION NAME"
"AUTOSTORE" / "START AUTOSTORE" / "AUTOSTORE STATIONS"
"PRESET NUMBER <1-5>"

### Worked example

The following sequence shows how a typical voice dialogue may be used to activate a radio function:

1. Press the voice activation button
2. System: beep
3. User: " - "
4. System: "COMMAND PLEASE!"
5. System: beep
6. User: " - "
7. System: "IMPORTANT COMMANDS ARE: RADIO, CD PLAYER, NAVIGATION AND HELP."
8. System: beep
9. User: "RADIO"
10. The system now activates the radio function and plays the last tuned station.
11. System: "RADIO"
12. System: beep

# Navigation voice control - Vehicles With: Touchscreen Display

In the sequence above, long pauses and silences are denoted by " - ". This demonstrates how the system will guide you even if you are unsure of how to proceed at any point.

## TELEPHONE COMMANDS

### Phone

Your phone system allows you to create an additional phonebook. The stored entries can be dialed by voice control. Phone numbers stored by using voice control are stored on the vehicle system and not in your phone.

### Overview

The overview below shows the available voice commands of the phone system.

<b>"PHONE"</b>
"DIAL NUMBER"/"ENTER NUMBER"
"REDIAL"/"LAST CALL"
"CALL < >"/"DIAL < >"
"READ PHONE BOOK NAMES ALOUD"/"READ NAMES"/"REPLAY NAMES"
"ADD PHONE BOOK NAME"/"ADD NAME"
"CHANGE PHONE BOOK NAME"/"CHANGE NAME"
"DELETE NAME"/"DELETE PHONE BOOK NAME"
"DELETE ALL PHONE BOOK NAMES"
"REJECT INCOMING CALLS"/"REJECT CALLS"
"ACCEPT INCOMING CALLS"/"ACCEPT CALLS"
"ENABLE BLUETOOTH"/"BLUETOOTH ON"
"DISABLE BLUETOOTH"/"BLUETOOTH OFF"
"REPEAT NUMBER"/"REPEAT"
"DIAL"/"DIAL NUMBER"/"CALL NUMBER"/"CALL"

# Navigation voice control - Vehicles With: Touchscreen Display

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## Worked example

The following sequence shows how a typical voice dialogue may be used to activate a phone function (unit starts in phone mode for this example):

1. Press the voice activation button
2. System: "PHONE"
3. System: beep
4. User: "DIAL NUMBER"
5. System: "PLEASE ENTER THE PHONE NUMBER"
6. System: beep
7. User: "12345"
8. System: "12345"
9. System: beep
10. User: " - "
11. System: "WHAT NEXT?"
12. System: beep
13. User: "6789"
14. System: "6789"
15. System: beep
16. User: "DIAL"
17. System: "THE NUMBER IS BEING DIALLED"
18. The system dials the entered number.

In the sequence above, long pauses and silences are denoted by " - ". This demonstrates how the system will guide you even if you are unsure of how to proceed at any point.

## Create a phonebook

### Add name

New entries can be stored with the "ADD NAME" command. This feature can be used to dial a number by calling up the name instead of the full phone number.

**Note:** *Select the first letter of the contact from the address book and then press the voice button.*

**Note:** *A maximum of 5 entries may be stored.*

### Worked example 1

The following sequence shows how a typical voice dialogue may be used to assign a name to a number (unit starts in phone mode for this example):

1. Press the voice activation button
2. System: "PHONE"
3. System: beep
4. User: "ADD NAME"
5. System: "PLEASE SAY A LINE NUMBER"
6. System: beep
7. User: " - "
8. System: "PLEASE SAY A LINE NUMBER"
9. System: beep
10. User: "2"
11. System: "PLEASE SAY THE PHONE BOOK NAME"
12. System: beep
13. User: "MY OFFICE"
14. System: "THE PHONE BOOK NAME IS STORED"
15. "MY OFFICE" is stored for entry line 2 of the phone book.

In the sequence above, long pauses and silences are denoted by " - ". This demonstrates how the system will guide you even if you are unsure of how to proceed at any point.

### Worked example 2

Unit starts in phone mode and "MR. SMITH" has been named for this example:

# Navigation voice control - Vehicles With: Touchscreen Display

1. Press the voice activation button
2. System: "PHONE"
3. System: beep
4. User: "CALL MR. SMITH"
5. System: "THE NUMBER IS BEING DIALLED"
6. The system dials the phone number associated with the nametag "MR. SMITH"

## NAVIGATION SYSTEM COMMANDS

### Navigation

#### Overview

The overview below shows the available voice commands of the navigation system.

"NAVIGATION"
"START GUIDANCE"/"START ROUTE GUIDANCE"/"CALCULATE ROUTE"
"STOP GUIDANCE"/"STOP ROUTE GUIDANCE"
"VOICE GUIDANCE ON"/"NAVIGATION VOICE ON"
"VOICE GUIDANCE OFF"/"NAVIGATION VOICE OFF"
"STORE DESTINATION"/"SAVE DESTINATION"
"LAST DESTINATIONS"/"LAST DESTINATIONS MEMORY"
"DESTINATIONS"/"DESTINATIONS MEMORY"/"MY DESTINATIONS"
"SHOW MAP"/"MAP"
"ROUTE OPTIONS"/"CHANGE ROUTE OPTIONS"
"SHOW ROUTE LIST"/"ROUTE LIST"
"ADD DESTINATION NAME"/"NAME DESTINATION"
"START GUIDANCE TO < >"/"NAVIGATE TO < >"/"CALCULATE ROUTE TO < >"
"CHANGE DESTINATION NAME"/"CHANGE NAME"
"DELETE DESTINATION NAME"/"DELETE NAME"
"DELETE ALL DESTINATION NAMES"/"DELETE ALL NAMES"
"READ NAMES"/"READ DESTINATION NAMES ALOUD"/"REPLAY NAMES"
"ENTER DESTINATION"
"ENTER COUNTRY"/"CHANGE COUNTRY"/"COUNTRY"
"ENTER CITY"/"CHANGE CITY"/"CITY"
"ENTER STREET"/"CHANGE STREET"/"STREET"

# Navigation voice control - Vehicles With: Touchscreen Display

<b>"NAVIGATION"</b>
"ENTER HOUSE NUMBER"/"CHANGE HOUSE NUMBER"/"HOUSE NUMBER"/"ENTER NUMBER"/"CHANGE NUMBER"/"NUMBER"
"SPELL COUNTRY"
"SPELL CITY"
"SPELL STREET"
"SPELL"
"SHOW POSITION"
"SHOW DESTINATION"

## Route option commands

<b>"NAVIGATION"</b>
"DYNAMIC GUIDANCE ON"/"DYNAMIC ROUTE GUIDANCE ON"/"DYNAMIC NAVIGATION ON"
"DYNAMIC GUIDANCE OFF"/"DYNAMIC ROUTE GUIDANCE OFF"/"DYNAMIC NAVIGATION OFF"
"FAST ROUTE"/"FASTEST ROUTE"/"QUICK ROUTE"/"QUICKEST ROUTE"
"SHORT ROUTE"/"SHORTEST ROUTE"
"AVOID HIGHWAYS"/"NO HIGHWAYS"/"AVOID MOTORWAYS"/"NO MOTORWAYS"
"ALLOW HIGHWAYS"/"USE HIGHWAYS"/"ALLOW MOTORWAYS"/"USE MOTORWAYS"
"AVOID TOLL"/"NO TOLL"/"AVOID TOLL ROADS"/"NO TOLL ROADS"
"ALLOW TOLL"/"ALLOW TOLL ROADS"/"USE TOLL"/"USE TOLL ROADS"
"AVOID FERRIES"/"NO FERRIES"
"ALLOW FERRIES"/"USE FERRIES"
"AVOID TUNNELS"/"NO TUNNELS"
"ALLOW TUNNELS"/"USE TUNNELS"

# Navigation voice control - Vehicles With: Touchscreen Display

## Map commands

"NAVIGATION"
"AUTOZOOM ON/OFF"
"SCALE UP"/"ZOOM OUT"/"ENLARGE SCALE"/"INCREASE SCALE"/"REDUCE MAP"
"SCALE DOWN"/"ZOOM IN"/"REDUCE SCALE"/"DECREASE SCALE"/"ENLARGE MAP"
"NORTH UP MAP"/"NORTH UP"
"HEADING MAP"/"HEADING"/"HEAD UP"
"SHOW ARROWS"/"SHOW SYMBOLS"/"ARROWS"/"SYMBOLS"

### Worked example 1

The following sequence shows how a typical voice dialogue may be used to activate a navigation function (unit starts in navigation mode for this example):

1. Press the voice activation button
2. System: "NAVIGATION"
3. System: beep
4. User: "VOICE GUIDANCE ON"
5. System: "VOICE GUIDANCE ON"
6. The navigation system activates voice guidance (audible turn by turn information).

### Worked example 2

Unit starts in navigation mode for this example:

1. Press the voice activation button
2. System: "NAVIGATION"
3. System: beep
4. User: "DESTINATIONS MEMORY"
5. System: "PLEASE SAY A LINE NUMBER"
6. System: beep
7. User: " - "

8. System: "PLEASE SAY A LINE NUMBER"
9. System: beep
10. User: "HELP"
11. System: "PLEASE SELECT A DESTINATION BY ITS LINE NUMBER BETWEEN ONE AND FIVE. SAY NEXT OR PREVIOUS TO SCROLL LIST CONTENT, OR CANCEL."
12. System: beep
13. User: "NEXT"
14. System: "PLEASE SAY A LINE NUMBER"
15. System: beep
16. User: "LINE 2"
17. The navigation system calculates a route and starts guidance to the selected destination.

### Creating and using a custom address book

The following examples give general guidance on storing and using user-defined voicetags for specific addresses and locations.

# Navigation voice control - Vehicles With: Touchscreen Display

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## Worked example 1

In this example the unit starts in navigation mode and the current destination is not stored in the destination memory:

1. Press the voice activation button
2. System: "NAVIGATION"
3. System: beep
4. User: "ADD NAME"
5. System: "PLEASE SAY THE DESTINATION NAME"
6. System: beep
7. User: "MY OFFICE"
8. System: "THE DESTINATION NAME IS STORED."
9. The voicetag "MY OFFICE" is stored for the current destination and is added to the destination memory.

## Worked example 2

1. Press the voice activation button
2. System: "NAVIGATION"
3. System: beep
4. User: "NAVIGATE TO "MY OFFICE"."
5. System: "ROUTE GUIDANCE TO < > IS STARTED."
6. The system calculates a route and starts guidance to the user specified location "MY OFFICE".

## Using voice control with the map display

The following examples give general guidance on using voice command in conjunction with the map display screen:

### Worked example 1

In this example the unit starts in navigation menu mode:

1. Press the voice activation button
2. System: "NAVIGATION"

3. System: beep
4. User: "SHOW MAP"
5. The navigation screen switches to the map display.

### Worked example 2

In this example the unit starts in the map screen:

1. Press the voice activation button
2. System: "NAVIGATION"
3. System: beep
4. User: "AUTOZOOM OFF"
5. System: "AUTOZOOM OFF"
6. The navigation system deactivates the Autozoom function.

## Using voice control to enter a destination

You may enter a complete destination using the buttons on the unit, or via voice control. It is also possible to enter different parts of the destination address (for example City and Street) by a combination of both methods.

**Note:** *It is necessary to press the voice activation button every time before entering each field of the destination address.*

### Worked example 1

In this example the unit starts in navigation menu mode:

1. Press the voice activation button
2. System: "NAVIGATION"
3. System: beep
4. User: "ENTER DESTINATION"
5. The unit will change to the destination entry screen
6. System: beep
7. User: "ENTER CITY"

# Navigation voice control - Vehicles With: Touchscreen Display

8. System: "PLEASE ENTER THE CITY NAME"
9. User: "LONDON"
10. The unit will display the best 5 matches to your spoken city name on the screen. These will be assigned a number from 1 to 5 (for example 1-LONDON, 2-LONDONDERRY, 3-LANCASTER, 4-MARGATE, 5-STANTON). The system will request confirmation that match number 1 is the correct city name.
11. System: "DID YOU SAY LONDON?"
12. User: "YES"
13. The correct city name is now entered in the city field.
7. User: "ENTER CITY"
8. System: "PLEASE ENTER THE CITY NAME"
9. User: "LONDON"
10. In this example the system does not recognize the correct name as match number 1 (for example 1-LONDONDERRY, 2-LONDON, 3-LANCASTER, 4-MARGATE, 5-STANTON).
11. System: "DID YOU SAY LONDONDERRY?"
12. User: "NO, SELECT LINE NUMBER 2"
13. The correct city name is now entered in the city field.

## Worked example 2

In this example the unit starts in navigation menu mode:

1. Press the voice activation button
2. System: "NAVIGATION"
3. System: beep
4. User: "ENTER DESTINATION"
5. The unit will change to the destination entry screen
6. System: beep

## CLIMATE CONTROL COMMANDS

### Climate

The climate voice commands support the functionality of the fan speed and the temperature settings.

### Overview

The overview below shows the available voice commands for your climate control system.

Climate voice commands
"TEMPERATURE <15.5-28.5> DEGREES"/"<15.5-28.5> DEGREES"
"TEMPERATURE UP"/"WARMER"
"TEMPERATURE DOWN"/"COLDER"
"BLOWER UP"/"BLOWER SPEED UP"/"VENTILATION UP"
"BLOWER DOWN"/"BLOWER SPEED DOWN"/"VENTILATION DOWN"

# Navigation voice control - Vehicles With: Touchscreen Display

---

**Note:** *Temperatures may be set directly in degrees Celsius for the range indicated in 0.5 degree steps. Each single step up or down is by 0.5 degrees.*

## Worked example

The following sequence shows how a typical voice dialogue may be used to activate a climate function (unit starts in radio mode for this example):

1. Press the voice activation button
2. System: "RADIO"
3. System: beep
4. User: "CLIMATE"
5. The system switches to the climate control menu.
6. System: "CLIMATE CONTROL"
7. System: beep
8. User: " - "
9. System: "COMMAND PLEASE!"
10. System: beep
11. User: " - "
12. System: "SOME IMPORTANT COMMANDS FOR CLIMATE CONTROL ARE: BLOWER SPEED UP OR DOWN, AND TEMPERATURE UP OR DOWN."
13. System: beep
14. User: "TEMPERATURE DOWN"
15. The system decreases temperature by 0.5 degrees.

In the sequence above, long pauses and silences are denoted by " - ". This demonstrates how the system will guide you even if you are unsure of how to proceed at any point.

# Navigation climate control - Vehicles With: Touchscreen Display

## AUTOMATIC CLIMATE CONTROL

**Note:** For general information on climate control, please consult the main handbook for your vehicle. This section of the navigation handbook only describes the unique climate control functions integrated within the unit.

For an overview of the climate control buttons See **Navigation unit overview** (page 30). Buttons will be referred to using the letters **A** to **Y** as denoted in the overview diagram.

### Climate button

Press button **M** to access the climate touchscreen mode from any other mode the navigation unit is in.

Touch the fan icon button to access ventilation options.

Touch the thermometer icon button to access temperature setting options.

Touch the off button to turn climate control off. This sets the blower speed to zero, closes air outlets and turns the air conditioning off.

**Note:** The touchscreen buttons allow a more detailed operation and setup for climate options, however most climate settings can be set via the hard keys **I** to **S**.

### Setting the temperature

Rotate the buttons **Q** and **K** for the left and right hand sides of the vehicle respectively.

Alternatively, you can also set the temperature via the touchscreen:

1. Press the CLIMATE button **M**.
2. Touch the thermometer icon button.
3. Adjust the temperature for the desired part of your vehicle using the arrow buttons.

**Note:** For vehicles with triple-zone climate control, you can change the rear zone temperature only via the touchscreen.

### Mono mode

In mono mode, the temperature settings for both the driver's and passenger's side are linked. If you adjust the temperature using the rotary control on the driver's side, the settings will be adjusted to the same setting on the passenger's side. In mono mode, **MONO** will appear in the climate display. As long as MONO is activated, any changes of the temperature using the touchscreen arrows will set the temperature for the whole vehicle.

1. Press the CLIMATE button **M**.
2. Touch the thermometer icon button.
3. Touch the MONO button to turn on or off.

### To switch mono mode off

Select a temperature for the passenger's side with the rotary control on the passenger's side. Mono mode will switch off and **MONO** will disappear from the climate display. The temperature for the driver's side will remain unchanged. You can now adjust the driver and passenger side temperatures independently of each another. The temperature settings for each side are shown in the display on the bottom line of the screen. You can set a temperature difference of up to 4°C.

**Note:** If you set a temperature difference of greater than 4°C, the temperature on the other side will be adjusted so that the difference remains 4°C.

**Note:** If you set one of the sides to HI or LO, both sides will be set the same.

**Note:** If you press and hold button **Q**, this will switch between mono and dual zone mode.

# Navigation climate control - Vehicles With: Touchscreen Display

## To switch mono mode back on

**MONO**

To switch mono mode back on, touch the **MONO** button. **MONO** becomes highlighted in the display and the passenger's side temperature will be adjusted to the driver's side temperature.

**Note:** If you press and hold button **Q**, this will switch between mono and dual zone mode.

## Blower

Use the buttons **P** and **S** to adjust the blower speed.

Alternatively, you can also set the blower speed via the touchscreen:

1. Press the CLIMATE button **M**.
2. Touch the fan icon button.
3. Adjust the blower speed for the front or rear of your vehicle using the fan speed buttons.

The blower setting is indicated in the display.

To return to auto mode, press the **AUTO** button.

**Note:** For vehicles with triple-zone climate control, it is possible to independently change the blower settings for the front and rear using the touchscreen controls. Any combination of fan speeds, or auto on and off may be set.

## Air distribution

To adjust air distribution, press the desired button **I**, **J** or **L**. Any combination of settings can be selected simultaneously.

Alternatively, you can also set air distribution via the touchscreen:

1. Press the CLIMATE button **M**.

2. Touch the fan icon button.
3. Select the desired direction for air flow using the touchscreen buttons.

When you select windscreen defrosting and demisting, **I**, **J** and **L** switch off automatically and the air conditioning switches on. Outside air will flow into the vehicle. You cannot select recirculated air.

## Windscreen defrosting and demisting



Press the windscreen defrosting and demisting button **R**. Outside air will flow into the vehicle. Air conditioning is automatically selected. As long as the air distribution is set to this position, you cannot select recirculated air.

The blower speed and the temperature control operate automatically and cannot be adjusted manually. The blower is set to high speed and the temperature to HI.

When you select windscreen defrosting and demisting, the heated screens switch on automatically and switch off after a short time.

To return to auto mode, press the **AUTO** button.

## Switching the air conditioning on and off



Press button **K** to switch the air conditioning on and off. **AIR CONDITIONING OFF** appears in the bottom line of the screen display when the air conditioning is switched off.

**A/C ON** appears in the display when the air conditioning is switched on.

# Navigation climate control - Vehicles With: Touchscreen Display

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## Recirculated air



Press the recirculated air button to toggle between outside air and recirculated air.

**Note:** *When the system is in auto mode and the interior and exterior temperatures are quite hot, the system selects recirculated air automatically to maximise cooling of the interior. Once the selected temperature is reached, the system will reselect outside air automatically.*

## Switching off the automatic climate control

Press the climate button **M**, then press the off button on the touchscreen.

When switched off, the heating, ventilation and air conditioning system is switched off and recirculated air is selected.

# Traffic Message Channel

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## PRINCIPLE OF OPERATION

Traffic message channel (TMC) stations are broadcast on the FM waveband. TMC is a feature that receives traffic alerts which can be used to plan alternative routes and avoid hold ups.

## USING TMC

Press the TRAFFIC button to show the traffic menu page.

### Traffic announcement

Traffic announcement (TA) can be turned on or off via this menu. If switched on a **TA** indicator is shown in the information border of the status bar.

Stations which broadcast on the FM waveband and carry traffic programme (TP) information are identified by **TP** shown in the screen display. With TA switched on the unit will respond to these announcements and interrupt music playback. After the announcement has ended music playback will resume.

### Ending traffic announcements

The unit will return to normal operation at the end of each traffic announcement. To end the announcement prematurely, press the TRAFFIC button during the announcement.

### Using TMC messages

To review TMC messages, you may either select a view which shows messages only affecting your programmed route, or a view which shows all messages received.

Select the required item to display a list of TMC messages. This is only an overview display which gives very basic information. Select the message you require further information on and another screen will be displayed giving full message details on incident location etc. TMC events can also be shown on the map, if activated. See **Route options menu** (page 44).

## Map updates

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The road network is constantly changing due to new roads, changes in road classification, etc. Therefore, it is not always possible to exactly match the map data in the system to the current road network.

Map information is regularly updated, but all areas are not necessarily covered to the same level of detail. Some roads, in particular private roads, may not be included on the database. To help with accuracy, always use the latest version navigation disc. Your dealer will be able to provide this.



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