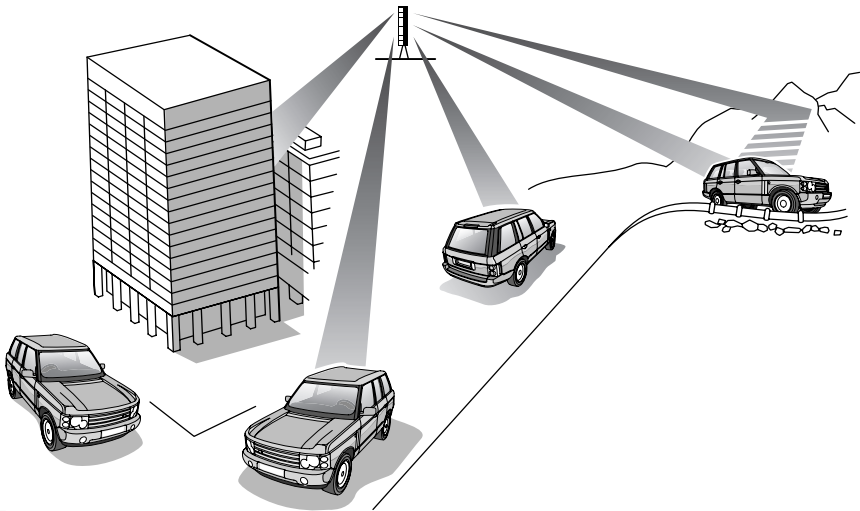# Radio Reception

RADIO RECEPTION

ICE 0222

A car radio receives signals whilst on the move, and may experience widely differing reception characteristics. Because of this, some interference is to be expected from time to time during a journey.

FM transmitters can only broadcast over a limited range, and good clear signals will only be received in the immediate area of the transmitter. When travelling, occasionally it may be necessary to re-tune the radio to offset the effects of moving from one transmitter area to another.

While RDS automatic retuning helps to reduce the effects of signal changes, some manual retuning may still be required (especially for local stations) in areas of weak reception.

The broadcast range for good stereo reception is within approximately 48 - 64 Kms (30 - 40 miles) of the transmitter.

FM Signals travel in a straight line, so large obstacles, such as tall buildings, can shield the car from the signal causing distortion or loss of reception (known as dead spots).

Distortion can also occur if FM signals received directly from the transmitter, mix with signals deflected by obstructions such as mountains, hills, and tall buildings. This is known as multi-path distortion.

NOTE: Although distortion, interference and lack of signal clarity are sometimes attributed to a fault in the radio, this is rarely the case.

Radio Operation

RDS (Radio Data System)
This car radio is capable of receiving RDS signals in the VHF range. RDS is a technique which enables the transmission of inaudible additional information in the VHF broadcasting range. This means that the transmitter broadcasts information which can be evaluated by the car radio.

DAS Seek Qual. plane
In the 'DAS Seek Qual' plane, all receivable and identifiable RDS programmes are arranged in a list according to quality.

DAS Seek Name plane
In the 'DAS Seek Name' plane, all receivable and identifiable RDS programmes are alphabetically arranged in a list according to name. The dynamic autostore (DAS), search and scan search functions fall back upon this list.

Stations Fix plane
In the 'Stations Fix' plane, frequencies can be assigned to the station buttons. RDS evaluation does not take place. The search on 'Stations Fix' is applicable to FM manual tuning only.

Stations RDS plane
In the 'Stations RDS' plane, only identified RDS stations can be stored. The unit constantly switches to the best receivable transmission frequency for the station. During the search on 'Stations RDS' the unit only stops at identifiable stations.

SWITCHING ON THE RADIO
Press the 'RAD' button to select radio mode. The radio is set to the previously selected waveband.
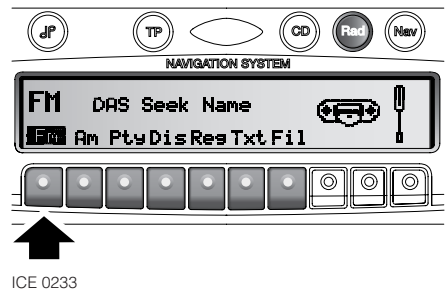
ACTIVATING THE RADIO MENU

ICE 0232
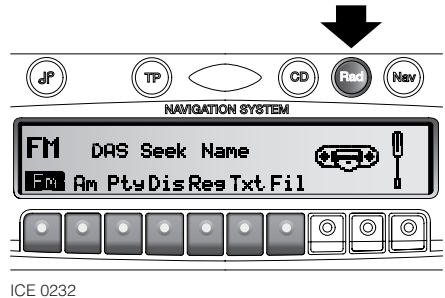
To select the radio menu, press the "Rad" button again.

The radio menu is switched on and displayed. The unit switches back to radio mode if no button is pressed within the next 8 seconds.

Selecting the FM waveband
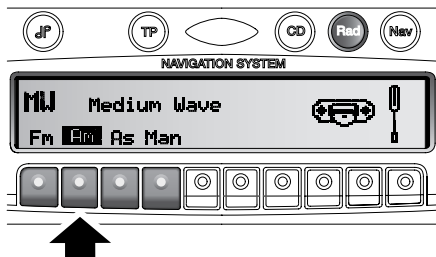In radio menu mode, press the 'FM' multifunction button.

ICE 0233

The last selected frequency and graphics are displayed.

Radio Operation

By pressing the 'FM' multifunction button repeatedly, the graphics: 'DAS, Seek Qual', 'DAS Seek Name', 'Stations Fix' and 'Stations RDS' can be selected.
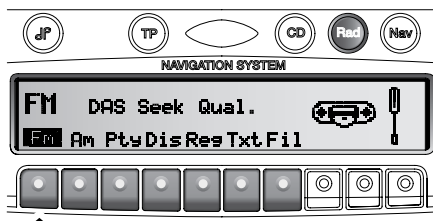
Selecting the AM waveband

ICE 0234

In the radio menu, press the 'AM' multifunction button.

The last selected waveband and frequency are set.

To select the wavebands MW (Medium Wave), LW (Long Wave) and SW (Short Wave), press the multifunction button 'AM' repeatedly until the required waveband is selected.

DYNAMIC AUTOSTORE (FM DAS)

ICE 0235

In radio menu mode, press the 'FM' multifunction button repeatedly until 'DAS Seek Qual' or 'DAS Seek Name' is displayed.

After 8 seconds, the screen will display the receivable frequencies according to the setting via the multifunction buttons.
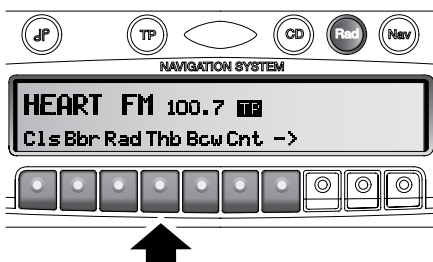
ICE 0236

If programmes broadcast by the transmitter you are tuned to have previously been stored, the last stored programme entry will be automatically selected.

Set the desired frequency by pressing the button directly below the abbreviated station designation.

Radio Operation

If the selected transmitter broadcasts several programmes/regional programmes, a submenu is automatically displayed for 8 seconds, allowing further selection if so desired.

The multifunction button → indicates that the button can be pressed for displaying and selecting additional transmitters.

When using the unit for the first time, or following interruption of the power supply, allow a brief waiting period so that the receiver can evaluate the transmitter signals.

The display will appear incrementally as the evaluation progresses.

FM DAS transmitter search
Turn the right rotary control to the left/right. The radio displays the receivable and identified transmitters in alphabetical order.

MW, LW, SW transmitter search
In the desired waveband (MW, LW, SW), turn the right rotary control the left/right. The radio searches for reception frequencies In descending/ascending order of frequency.

Scan search
First select the desired waveband (FM, MW, LW, SW) then press the right rotary control. SC is displayed before the automatic frequency search is started.
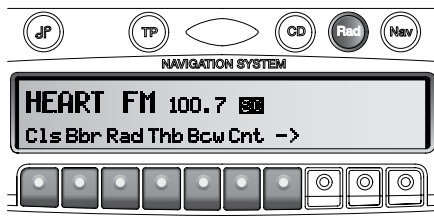
ICE 0237

The first run is performed on an insensitive plane, all further runs on a sensitive plane.

Receivable frequencies can be heard for 8 seconds before the search facility moves onto the next frequency.

Press the right rotary control if the received programme should be retained.

NOTE: For FM DAS the scan search is performed in alphabetical order.
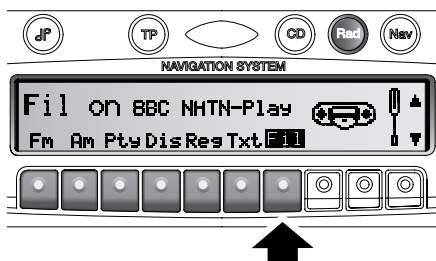
Radio Operation

Programme filtering for FM DAS

You have the option of filtering various stations from the FM DAS transmitter list

To switch the filter function on or off, repeatedly press the multifunction button 'Fil'.

The filter function is switched on (Fil On) or off (No Fil)

ICE 0238

The individual FM stations can be selected using the right rotary control. It is then possible to select between 'play' (station not filtered) and 'skip' (station filtered out) by pressing the right rotary control.

Radio Operation

PTY (PROGRAMME TYPE)

Specific types of programme, e.g. sport, pop music, classical music etc., can be selected using the PTY function. The PTY is broadcast by the RDS transmitter, provided that the transmitter is equipped with this function. The selected transmitter programme type can be displayed or a search for a specific PTY transmitter can be performed.

Programme type selection

In radio menu mode, press the 'Pay' multifunction button then, using the multifunction button 'Pay', select the programme type.
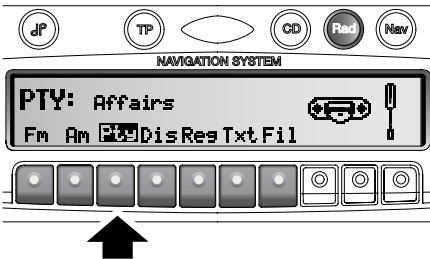
ICE 1178

The extent of programme types is limited to those available through local transmitters.

Once PTY is operational, only those transmitters that are equipped with PTY can be selected in FM DAS mode.

By selecting 'NO PTY', all transmitters will be re-displayed in FM DAS mode.

Switching PTY display on/off

Select radio menu. Using the multifunction button 'Is' select either PTY (PAY display switched on) or Frequency (PTY display switched off).

SELECTING/STORING FREQUENCIES

FM frequencies

Select radio menu.

Use repeated pressings of the multifunction button 'FM', 'Stations RDS' or 'Stations Fix'.
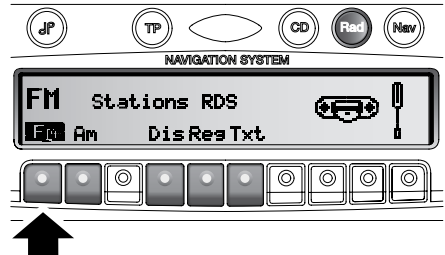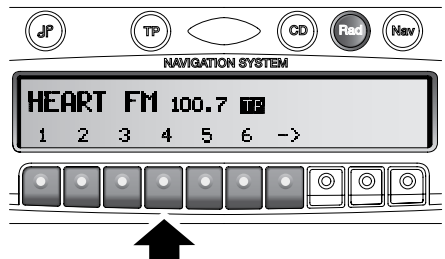

ICE 0239

Press 'Rad' to display the frequency display graphic.
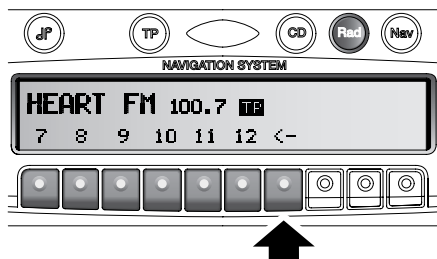
Storing

Twelve frequencies or programmes can be stored per waveband.

To store a selection, first tune to the desired station. Choose a multifunction button on which to store your selection (1-6 or 7-12) and press until a signal tone sounds

ICE 0240

Radio Operation

ICE 0241

The station is now stored and can be accessed again by pressing the same button. Buttons 7-12 can be accessed by pressing the -> button. Return to buttons 1 - 6 by pressing the <- button.
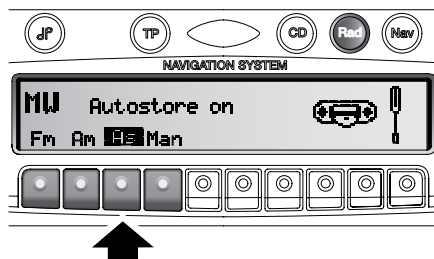
AM, LW, SW frequencies
First select the AM waveband using the 'AM' multifunction button.

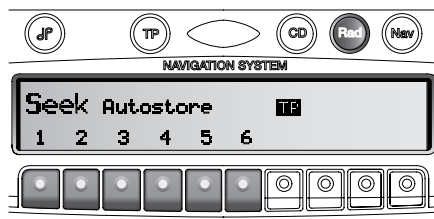Follow the same procedure as for storing FM frequencies.

AM, LW autostore
First select the desired waveband, then press the 'Rad' button.

Press the 'As' multifunction button repeatedly until 'Autostore on' is displayed.

ICE 0245

Press the 'As' multifunction button and hold until 'Seek Autostore' is displayed

ICE 0246

The 6 strongest frequencies available will be stored under the station buttons in order of quality.

In order to quit autostore storage, press the multifunction button 'As' (Off). The radio will return to the station button graphics.

Radio Operation
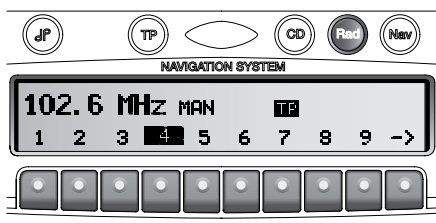
MANUAL TUNING
FM fine tuning
First select the radio menu, and then use the multifunction button 'FM' to select 'Stations Fix'.
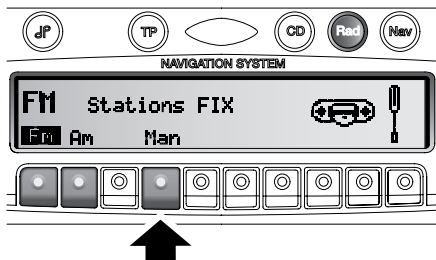
ICE 0247

Press the 'Man' multifunction button twice.

On the display, active manual tuning is indicated by 'MAN'.
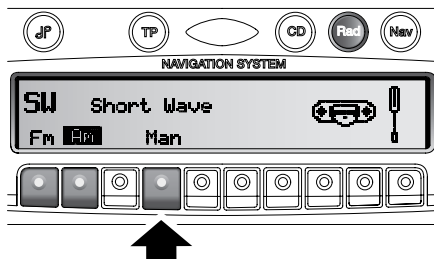

ICE 0248

Turn the right rotary control to adjust fine tuning manually (100 kHz tuning steps are performed).

Stations can be stored in the manner previously described.

After a short delay and without turning the right rotary control, 'MAN' disappears and manual tuning will switch off.

AM, LW, SW
First select the desired waveband, then press the 'Rad' button.

ICE 0249

Press the 'Man' multifunction button twice. On the display, active manual tuning is indicated by 'MAN'.

Turn the right rotary control to adjust fine tuning manually. (Tuning steps of 9kHz in MW, 3 kHz in LW or 5kHz in SW are performed).
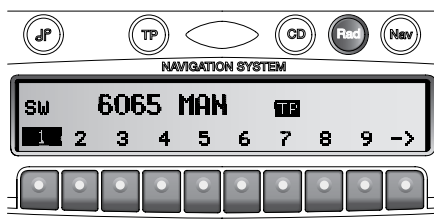
ICE 0250

Stations can be stored in the manner previously described.

After a short delay and without turning the right rotary control, 'MAN' disappears and manual tuning will switch off.

Radio Operation

REGIONALISATION

When regionalisation is activated, regional stations will be available via RDS. The regional station name will be displayed.

Some stations broadcast regional sub-programmes and these stations are indicated with a star appearing next to the button number (e.g. 4*).

If the RDS function automatically switches to a stronger signal, you can manually select a station of your choice. First select a station and see if it broadcasts more than one regional sub-programme.
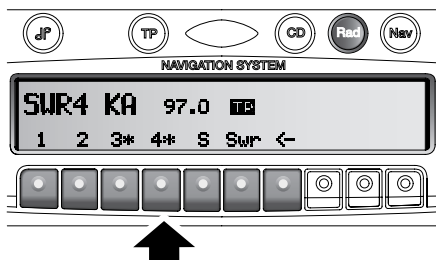
ICE 0251

If you select one of these stations (e.g. 4*) all receivable regional sub-programmes for this station will be displayed. Then select the desired regional sub-programme
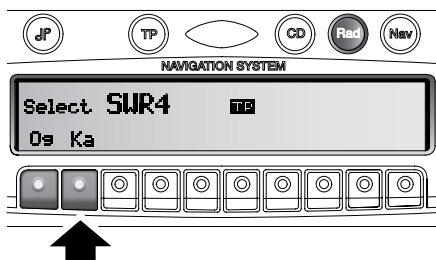
ICE 0252

## Switching regionalisation on/off

Select radio menu mode
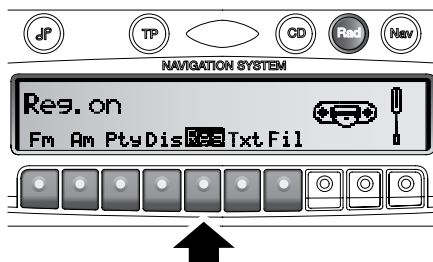
ICE 0253

Using the 'Reg' multifunction button switch the regionalisation on or off.

If, despite RDS diversity function, the reception quality of a regional sub-programme is inferior, bear in mind that regional sub-programmes are transmitted for the most part over only a few frequencies. If the unit remains tuned to frequencies with better reception quality, there will be less drift.

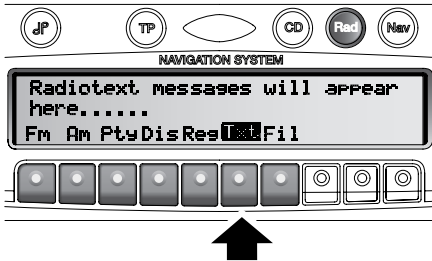## Switching frequency display on/off

Select radio menu mode
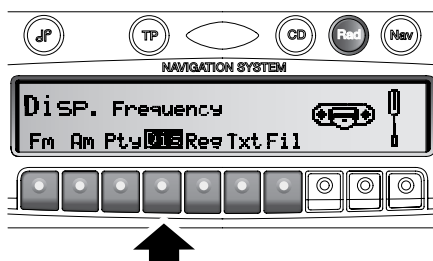
ICE 0254

Using the 'Dis' multifunction button select either Frequency (frequency display switched on) or PTY (frequency display switched off).

Radio Operation

Switching radio text display on/off

Select FM radio menu mode. Using the multifunction button switch on radio text.

ICE 0255

The car radio filters information from a transmitter and displays it in the form of radio text.

Radio text cannot be displayed unless the selected transmitter also transmits radio text. Unfavourable reception conditions, including interference, can garble or even block a radio text display.

In order to quit radio text, press the 'Rad' button.

NOTE: Since information transmitted via radio text display varies constantly, we recommend tuning in the radio text only when the vehicle is stationary to avoid unnecessary distraction for the driver. This is a necessary precaution for accident prevention.

TRAFFIC PROGRAMME (TP)

If an RDS diversity transmitter transmits TP announcements you can have CD, CDC/AUX, MW, LW and SW operation interrupted and the transmitted TP announcements switched through. Moreover, you can listen to one FM transmitter while having TP announcements switched through that are transmitted by another FM transmitter.

There are two ways to select a TP transmitter:

- automatic tracking
- direct programming

Automatic tracking transmits TP bulletins over the FM transmitter currently being received. If the selected FM transmitter reception is of poor quality or cannot function as a TP transmitter, the unit applies specified criteria to search for a new TP transmitter.

Direct programming enables a TP transmitter to be programmed that is not the FM transmitter being received.

For example, an FM transmitter can be received while TP announcements transmitted by another FM transmitter are switched through.

If the programmed TP transmitter reception is poor, the unit switches to automatic tracking until the programmed TP transmitter is receivable.

If an RDS transmitter is equipped with a traffic programme, this is indicated on the display by TP.

An inverse TP appears on the display to indicate that the traffic programme is active.

Radio Operation

Activating/quitting the TP menu

Activating: Press the 'TP' button (traffic announcements cannot be received). Press the 'Tp' multifunction button.

Quitting: Press the 'TP' button or the TP menu will be automatically terminated after 8 seconds without actuation.

Switching on Tp

In all modes and wavebands, automatic tracking can be switched on by pressing the 'TP' button for more than 2 seconds.

> **TP** An inverse TP appears on the display to indicate that the traffic programme is active.

To switch on automatic tracking in the TP menu, press the 'TP' multifunction button until 'TP on' is displayed.

ICE 0256
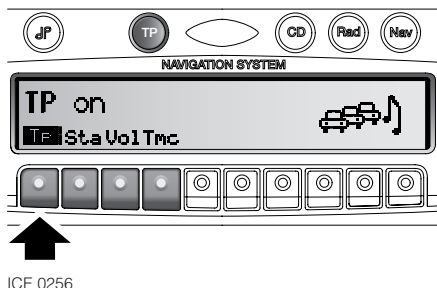
Setting/deleting direct programming

Activate the TP menu.

Setting: Press the 'Sta' multifunction button.

ICE 0257
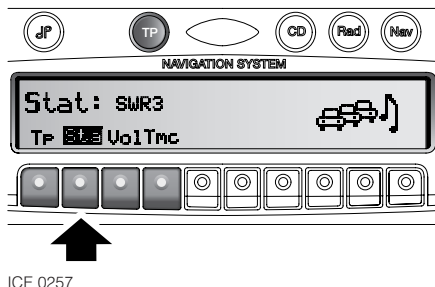
Using the right rotary control, select the desired TP transmitter. After a short delay and without actuation, the selected transmitter is accepted.

NOTE: When TMC is activated, TP stations cannot be manually selected. The unit automatically selects a TMC station, provided one can be received. TMC stations correspond with TP transmitters.

Deleting: Press the 'Sta' multifunction button.

ICE 0258
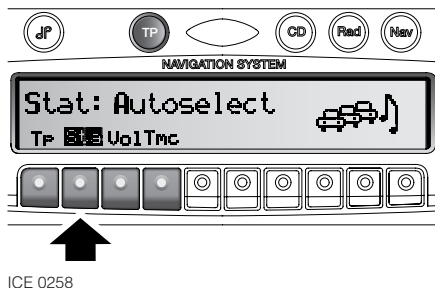
Using the right rotary control, select 'Autoselect' and press to confirm. After a short delay and without actuation, the direct programming is deleted.

Quit the TP menu.

Radio Operation

Switching off TP

In all modes and wavebands, TP can be switched off by pressing the 'Tp' button for more than 2 seconds. The display changes from the inverse symbol to 'TP'.
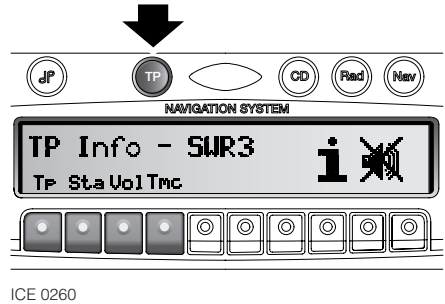
To switch off TP in the TP menu, press multifunction button 'Tp' repeatedly until 'TP off' is displayed.

ICE 0259
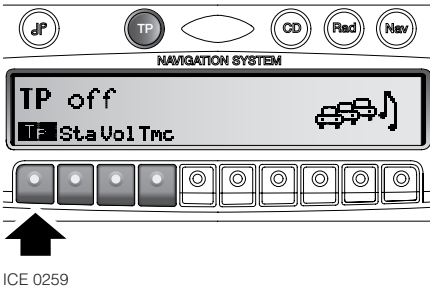
TP is switched off after returning to normal display.

Switching mute function on/off

After selection of a TP or EON (Enhanced Other Networks) transmitter, the mute function can be activated by briefly pressing the 'TP' button.


ICE 0260

Thereafter, only traffic announcements and navigation announcements can be switched through. After again pressing the 'TP' button, muting is cancelled.

Interrupting TP announcements

During a TP announcement, briefly press the 'TP' button. The announcement currently broadcast will be interrupted and the system will automatically return to the previously selected mode.

Radio Operation

TP announcement volume

Activate the TP menu. Press the 'Vol' multifunction button.
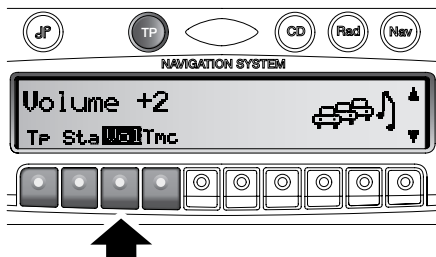
ICE 0261

Using the right rotary control, four different settings (0 - 3) can be selected. This means that the volume can be raised to a fixed value according to the setting.

Setting 0: no volume increase

Setting 1: slight volume increase

Setting 2: medium volume increase

Setting 3: large volume increase

Display for Traffic Message Channel (TMC) stations

NOTE: This feature is currently only available in certain EU countries: Germany, Italy, Netherlands and Switzerland.

If a radio station transmits TMC information in addition to the radio programme, this is indicated on the display by the abbreviation 'TMC'. TMC information is received and analysed by the navigation system. For further information see, *'DYNAMIC NAVIGATION WITH TMC', page 54*.

If 'TMC' is displayed as a normal typeface, then TMC is switched off.
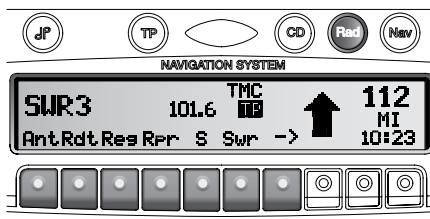
ICE 1399

If 'TMC' is displayed as an inverse typeface, then TMC is switched on.
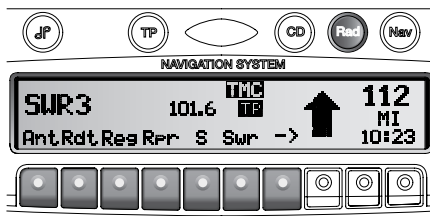
ICE 1400

Radio Operation

Switching TMC on/off

Activate the TP menu.
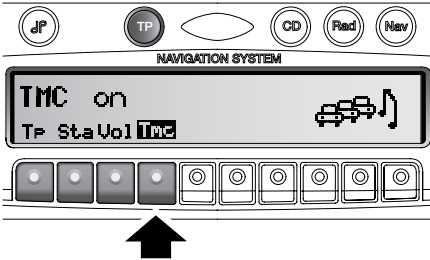
ICE 0919

Switching on: Press the TMC multifunction button repeatedly until 'TMC on' is displayed.

NOTE: When TMC is activated, TP stations cannot be manually selected. The unit automatically selects a TMC station, provided one can be received. TMC stations correspond with TP transmitters.

Switching off: Press the TMC multifunction button repeatedly until 'TMC off' is displayed.

When TMC is switched off, TP stations can be received, see, *'TRAFFIC PROGRAMME (TP)', page 19*.

NOTE: Dynamic navigation functions can only be selected or called up when TMC is switched on.

Care of Compact Discs
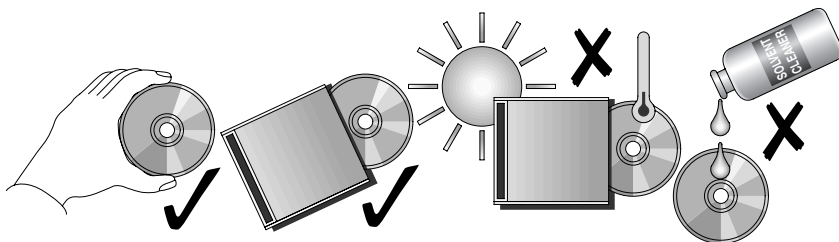
ICE 0022

CARE OF COMPACT DISCS

Dirt, dust, condensation and heat can damage discs. Always observe the following precautions:

NEVER touch the playing surface (the unlabelled side) of a disc. Handle discs by holding the outer edges, or the edge of the central hole and the outer edge, between finger and thumb.

ALWAYS return discs to their case after use to prevent contamination reducing playback quality.

NEVER leave the disc or case exposed to excessive heat or direct sunlight.

NEVER use a solvent or abrasive cleaner. Dust or dirt should be removed from the playing surface by wiping with a clean, dry, lint-free cloth. Always wipe in a straight line from the centre to the edge of the disc.

If left, minor scratches on the surface of a compact disc can cause skipping or mistracking. It may be possible to use CD restorer polish to remove the scratches and improve the performance of the disc. When using CD restorer polish, always follow the manufacturer's instructions.

NOTE: Some music CD manufacturers are using data encryption to 'copy-protect' their recordings and prevent the production of counterfeit copies. These CD's differ from the internationally agreed CD audio standard, RedBook, a standard that serves as the operating basis for all CD players and changers. Copy-protected CD's may fail to play in your CD changer or may be played subject to various limitations, e.g. sound quality may be impaired. If you do experience a problem, try the CD in other players before contacting the CD vendor.

CD Operation

CONTROL PANEL
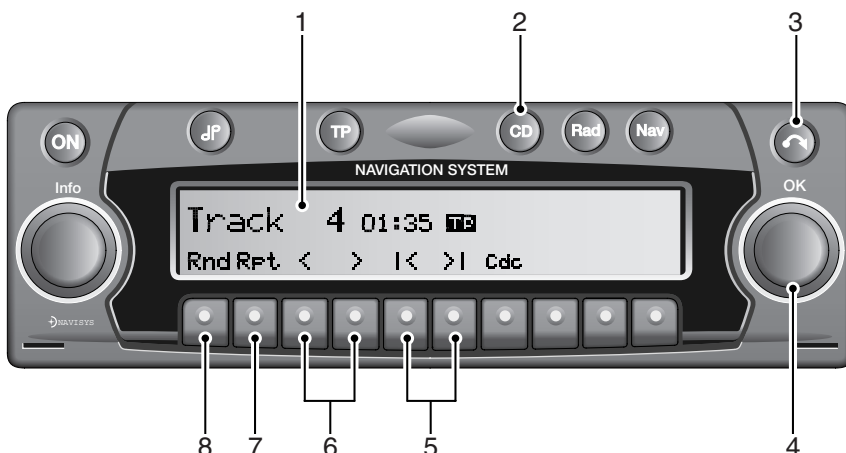
ICE 0224

1. **Display**
2. **CD mode selection button**
   Press to select CD mode if a music CD is already in the slot or 'NAV CD' is displayed if a navigation CD is in the slot or the changer unit is loaded with CD's.
3. **Display/Eject button**
   Briefly press to fold display panel forwards. Press and hold to eject a CD.

4. **Rotary selection control**
   Turn to select options.
5. **Track skip multifunction buttons**
6. **Fast forward and rewind multifunction buttons**
7. **Track repeat button**
8. **Random play multifunction button**

To move to CD mode from any other mode, press the CD button. If a CD is already in the player the display will show 'Cdc' above the relevant multifunction button, the last selected track number and play will commence from the position at which it was left before switching off. If a CD changer unit is playing 'Scd' will be displayed above the multifunction button; please see 'CD changer operation'.

CD Operation

INSERTING/EJECTING CD's
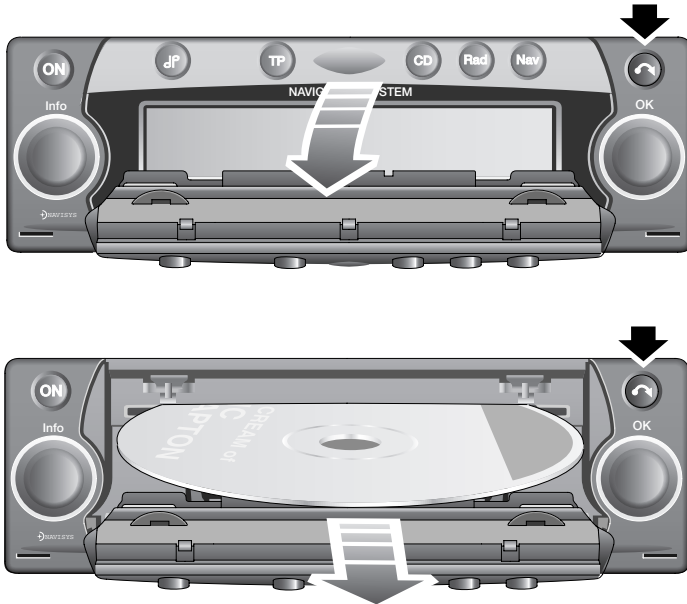
ICE 0244

Press and hold the 'Display/Eject' button; the display panel folds downwards and the CD slot becomes visible. Press the 'Display/Eject' button again to eject a loaded CD. Insert a disc into the CD slot with the printed side upwards. The unit will pull in the CD automatically and begin to play the disc from the first track. Fold the display panel up again. After playing the last track, the unit automatically begins to play the first track of the CD again.

NOTE: The CD is not ejected when the unit is switched off but remains in the CD slot. If the CD is ejected but not removed, after a brief delay the unit will return the CD into the slot.

CD Operation

COMPACT DISC PLAYER CONTROLS
Track skip - forwards/backwards
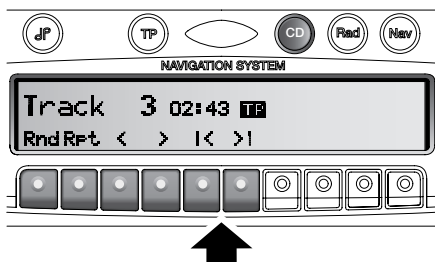
ICE 0262

Briefly press the appropriate multifunction 'skip' button to move to the beginning of the next track, or return to the start of the current track. Press the buttons repeatedly to skip several tracks.

Scan search
Press the right rotary control, SC appears on the display.
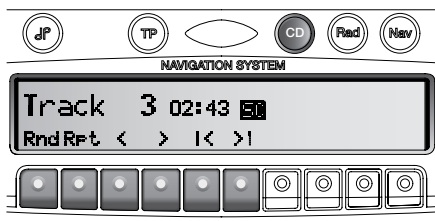
ICE 0263

The unit will now continue scanning CD tracks, playing the first 10 seconds of each track until the right rotary control is pressed again.

Fast forward/rewind
Press and hold the forward multifunction button to activate audible fast forward. Release the button to terminate the action. Fast rewind operates in the same manner using the rewind multifunction button.
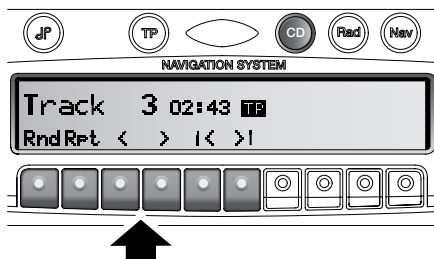
ICE 0264

Fast forward / rewind is terminated by releasing the multifunction button.

Random play
Briefly press the 'Rnd' multifunction button to activate random play. 'Rnd' is inversely displayed and tracks on the CD are now played in random order.

NOTE: Selecting Random play when using the CD changer *, will cause all tracks on all discs in the CD magazine to be played randomly.
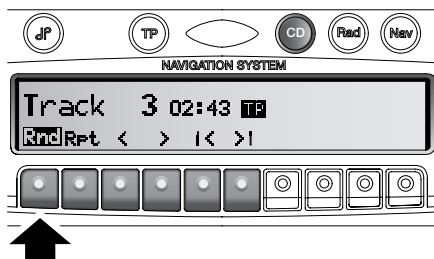
ICE 0265

A second press of the 'Rnd' button will deactivate random play.

CD Operation

Repeating a track

Briefly press the 'Rpt' multifunction button. 'Rpt' is displayed inversely and the currently selected CD track will be repeated until the 'Rpt' button is pressed again.
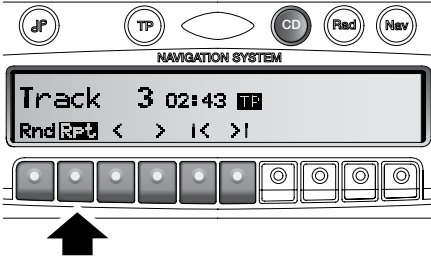
ICE 0266

Number of tracks and total playing time

In CD mode, press the 'CD' button. Press the 'Trk' multifunction button to briefly display the elapsed time for the tracks already played.
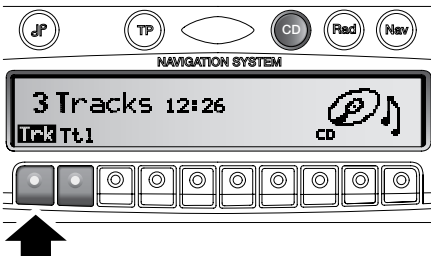
ICE 0267

Press the 'Ttl' multifunction button to briefly display the total playing time of the current CD.
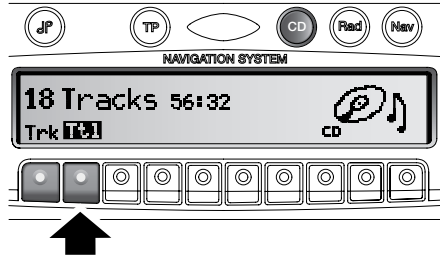
ICE 0268

*NOTE: Number of tracks and total playing time can only be displayed for the disc playing in the head unit, not CD changer ***.

TEMPERATURE PROTECTION CIRCUIT

A temperature protection circuit is utilised in this unit in order to protect the laser diode against overheating.

When the protection circuit is requested 'Temp' is displayed for 8 seconds and the unit switches to radio operation. The single CD operation can be requested again after a short cooling phase. However, if the temperature is still too high, the unit again switches back to radio.

CD CHANGER UNIT*

ICE0096

1

2   3
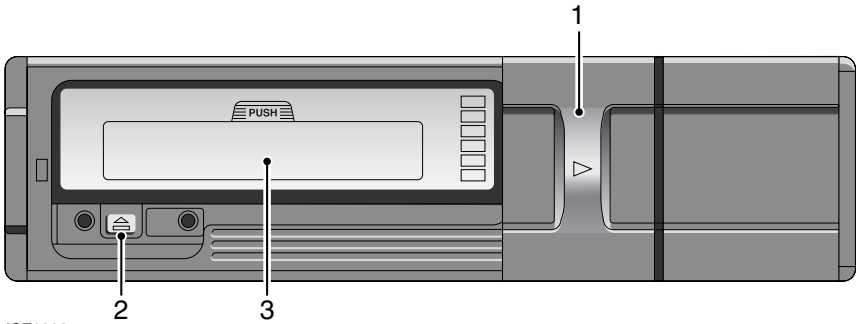
Removing/inserting the magazine

NOTE: Before a changer magazine is inserted or ejected, the head unit and ignition MUST be switched off. If this advice is not heeded, the unit may not recognise the magazine and the unit and ignition will have to be switched off for at least 10 seconds before switching on again.

ICE0097A

3

Fully open the sliding cover (1) to insert or remove the magazine. Keep the cover closed at all other times to prevent dust and dirt from entering the changer unit.

Press the button (2) to eject the magazine.

Insert the magazine (3) in the direction of the arrow marked on the magazine casing and push it fully into the changer. Finally, close the sliding cover.

Loading & unloading the magazine
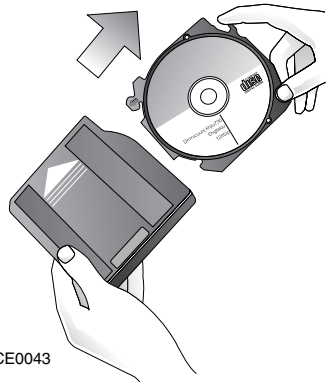
ICE0043

Holding the magazine as shown (arrow on magazine casing uppermost), remove each CD tray in turn.

CD Changer Unit

Place a disc (label side uppermost) onto each tray - holding ONLY the outside edge and centre hole of the disc. Load only one disc in each tray.

NOTE: Incorrectly inserted CD's will not play.

Correctly align the tray with the parallel slots on each side of the magazine and slide the tray into the magazine.

To unload the magazine, hold the magazine with the arrow uppermost, pull out each tray in turn, holding the tray securely so as not to drop the disc. Unload one disc at a time and handle only the edge and centre of the disc.

Operational readiness of a CD changer
If a CD changer is connected to the unit, it is ready for use when loaded with at least one CD.

CD changer maintenance
In use, the laser lens of the CD changer may accumulate dirt and dust. This will gradually impair sound reproduction and, in extreme cases, may cause slipping and mistreating. To combat this, periodically use a CD lens cleaning disc.

Important:
- Use standard 12-cm CDs only.
- DO NOT use irregularly shaped or damaged CDs - these may damage the compact disc changer.
- 8-cm CD singles must NOT be used, even if a CD adaptor is fitted.
- Closed session CD-R discs can be played, but CD-RW discs will not operate with the CD changer.
- The CD changer should not be used in temperatures outside the range -10°C to +60°C.

NOTE: If the CD changer reaches temperatures higher than recommended for normal use, 'CD HIGH TEMP' appears in the audio unit display. If this occurs, stop using the CD player, eject the magazine and allow the changer to cool down. If the problem persists, consult your Dealer.

- The CD changer should only be used as described - any other application or method of use could result in the user being exposed to invisible laser radiation exceeding the limit of laser class 1.

NOTE: Do not insert the Navigation CD into the CD changer magazine.

NOTE: Additional magazines can be obtained from a Land Rover Dealer / Authorised Repairer.

CD Changer Unit

Playing CD's in the loaded magazine

If you are already in CD mode, press the 'Cdc' multifunction button to switch to CD changer operation. To move to CD mode from any other mode, press the CD button.
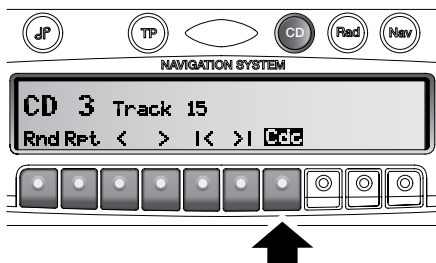
ICE 0269

The last selected CD and track number will be displayed and CD play will commence from the position at which it was left before switching off.

Loaded CDs can be selected by turning the right rotary control. 'Loading CD X' is displayed during the selection time. The magazine compartment number and the number of the current track on the selected CD are then displayed. After playing the last track of a CD, the next CD is automatically selected and played. The functions; Track skip, Scan search, Fast forward and Random play all operate in the same manner as for CD mode.

NOTE: *Random play operates on all tracks on all CD's in the magazine.*

Satellite Navigation

SATELLITE NAVIGATION

ICE 0381
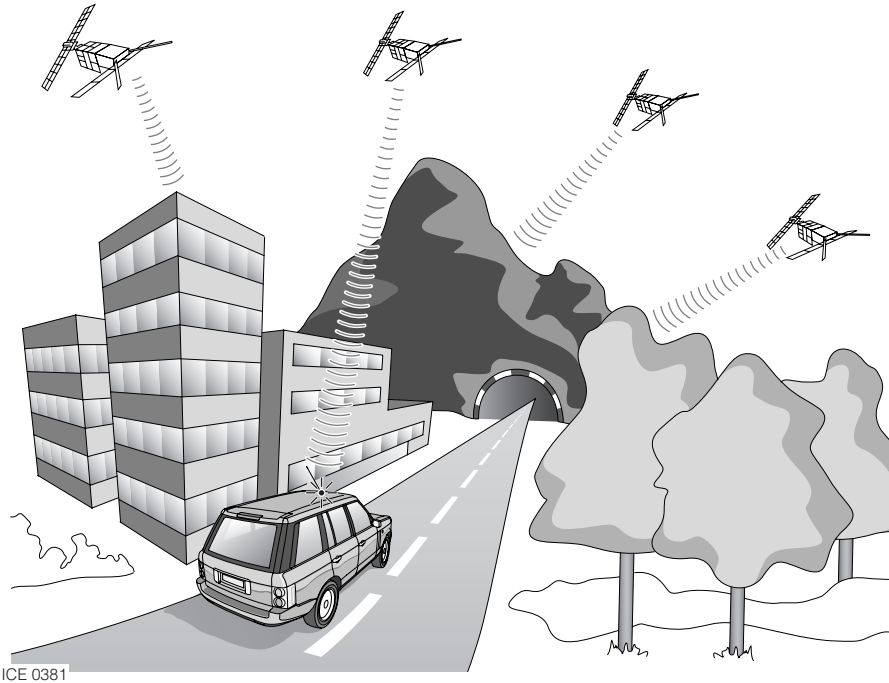
The satellite navigation system fitted to your vehicle uses the Global Positioning System (GPS). This works in conjunction with direction and speed sensors incorporated in the vehicle's electronic systems, to continually monitor its position. The navigation computer then integrates this data with the information stored on the navigation CD, enabling you to plan and follow a route map to your desired destination. This is particularly useful if you are travelling to or through unfamiliar territory.

There are 24 GPS satellites in orbit (at a height of 21,000 km) around the earth. The GPS navigation system will pick up and utilise any available signals to plot your position. To accurately determine the position of the vehicle, the GPS receiver needs to be able to pick up the signals from at least four satellites.

Obstacles such as tall buildings, tunnels and mountains can sometimes shield a vehicle from satellite signals, which may cause a temporary interruption to the operation of the navigation system. However, the vehicle's direction and speed sensors will minimise any adverse effect on the operation of the navigation system, if this should occur. Normal operation will resume once the obstruction has been passed.

Satellite Navigation

SAFETY INSTRUCTIONS

The requirements of the Road Traffic Regulations (RTR) apply.

Observation of traffic signs and local traffic regulations always takes priority.

Traffic guidance is restricted to passenger vehicles. Special driving recommendations and regulations for other vehicles (e.g. Commercial vehicles) are not taken into account. The destination must only be entered when the vehicle is stationary.

DIGITISED AREA

The navigation system can only provide information and guidance for the area covered by the navigation CD - ensure that you are using the latest version of the correct CD for your country.

NOTE: Navigation CDs are updated approximately every 12 months. Your Navigation CD contains operating software. Later CD versions may update the operating software.

The navigation CD provided contains a digitised street map. Motorways, federal and regional roads, as well as district roads are detailed in this street map. Larger cities and boroughs are completely covered. The regional and unclassified roads or access roads and the town centre for smaller towns and boroughs are included.

One way streets, pedestrian zones, turn bans and other traffic regulations are taken into account as far as possible. There may be discrepancies between the data on the navigation CD and the actual local situation, due to revisions to road systems and their traffic regulations.

Under normal operating conditions, the navigation system requires approximately 8 seconds to confirm the vehicle's position using the satellites. If the vehicle battery has been disconnected, or if the vehicle has been transported to a new location on another vehicle (e.g. By trailer or train), the navigation system will require approximately 1 minute to identify the new position.

UPDATING NAVIGATION SYSTEM SOFTWARE

When you have new Navigation information to applaud from an update CD, the following procedure should be used:

1. Remove any CD from the Navigation System.
2. Insert the new CD.
3. When 'Execute Update' appears, press 'OK'. Installation of the new Navigation software will begin. (A bar titled 'Installation' shows the progress of the installation).
4. While the Navigation software is being installed, installation of the radio software will also begin. (A bar titled 'Update Radio' shows the progress of the installation).
5. When the 'Update Radio' bar is full, the radio software has been successfully installed.
6. The system will switch to Radio mode.
7. Press 'Nav' to check on the progress of the Navigation software installation. When the 'Installation' bar is full, the navigation software has also been successfully installed.

Navigation Operation

SAFETY WARNINGS
Danger of accident:

- through operation of the navigation unit when driving, e.g. entering destination,

  - the destination must only be entered when the vehicle is stationary.

  - use of the navigation unit is only permitted if traffic conditions are suitable and you are absolutely sure that no risk, obstruction or inconvenience will be incurred to you, your passengers or other road users.

- through non-observance of Road Traffic Regulations,

  - the requirements of the Road Traffic Regulations retain their validity. It is possible that inaccurate or incorrect instructions are given due to altered traffic routes, e.g. due to road works or deviating data. The actual road signs and traffic regulations must therefore always be observed.

- through misuse of the unit

  - the navigation system serves solely as an aid to navigation. In particular, the navigation system cannot be used as an aid to orientation when visibility is poor. The volume of the car radio/navigation system must be adjusted so that external noise is still audible.

  - switch off the unit immediately if a fault occurs (e.g. emission of smoke or odours).

GENERAL NOTES
- Radio or CD operation continues during navigation operation.

- The distance to be covered before the next announcement and the estimated time of arrival are always displayed at the right of the display.

- The unit can be switched to radio mode when route guidance is in operation by pressing the 'Rad' button. Press the 'CD' button to switch to CD mode. The navigation menu is automatically displayed when navigation announcements are given.

- When entering the address, only those letters, digits and symbols which are relevant for the address are displayed. The entries are automatically completed. Spaces (e.g. in Long Lawton) must be entered using the underline symbol. Letters, numbers and symbols can be selected via the multifunction buttons 1 to 9. The individual symbols can be selected by pressing the relevant multifunction buttons repeatedly. Selection can also be made using the right rotary control.

- 'Nav' quits the current menu and displays the previous menu.

- The route is recalculated by the system if deviation from the route is made.

- Press the left rotary control to hear the current navigation announcement.

- During the navigation announcement, adjustment can be made to the volume using the left rotary control and to the tone by pressing the Tone button.

Navigation Operation

- By briefly pressing the left rotary control additional information can be requested during route guidance or the current position when route guidance is not active. See, *'INFORMATION DURING ROUTE GUIDANCE', page 56*.

- The current navigation announcement is interrupted by pressing the left rotary control.

- If the left rotary control is pressed for longer than 2 seconds during a navigation announcement, the navigation announcement switches off and route guidance continues via display only. By briefly pressing the left rotary control the navigation announcements are switched on again.

- The scroll marks ▲ and ▼ indicate a selection list which can be scrolled through using the right rotary control. Each entry in the list shown in capital letters can be selected by pressing the right rotary control.

Navigation Operation

SELECTING NAVIGATION

Press the 'Nav' multifunction button.
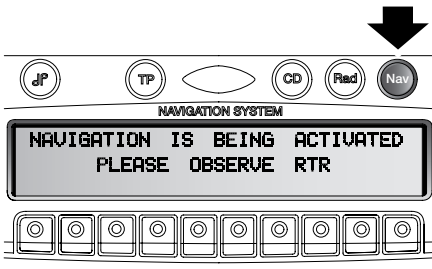
ICE 0275

The main navigation menu appears after this display.

NOTE: The navigation CD must be loaded when starting navigation operation for the first time If navigation system has not yet been calibrated, a calibration journey is prompted. A navigation CD with the data for the destination must be inserted to start the route calculation. During the calculation, the prompt CD flashes on the display. Once the calculation has been completed, the prompt CD extinguishes, the navigation CD can be removed and an audio CD can be inserted. When entering destinations, driving off should be delayed until the prompt CD disappears.

MAIN NAVIGATION MENU
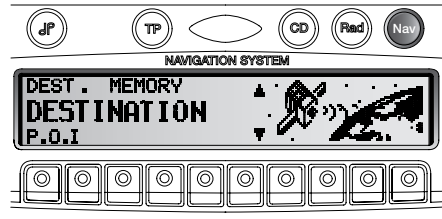
ICE 0276

Select from the following list by turning the right rotary control. Confirm the selection by pressing the control.

- DEST. MEMORY
  Contains destinations which have been stored previously

- DESTINATION
  Accesses the menu for entering a destination.

- P.O.I.
  Menu for the selection of special local and inter-regional destinations (Points Of Interest) and special destinations nearby. Special destinations are e.g. petrol stations, airports or hospitals.

- LAST DESTINATIONS
  A list of the last 50 destinations is displayed. The desired destination can be selected using the right rotary control. Before confirming with the right rotary control, details of the destination can be requested by pressing the left rotary control. Stopovers are not stored as last destinations.

Navigation Operation

ENTERING A NEW DESTINATION

Select DESTINATION in the main navigation menu using the right rotary control and press to confirm.

Selecting the country
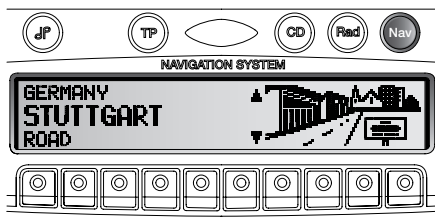
ICE 0286

If your destination lies in another country, select COUNTRY using the right rotary control and press to confirm.
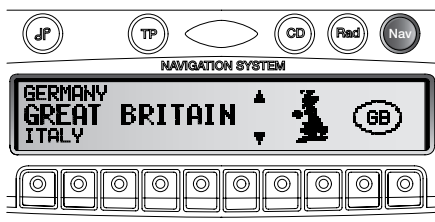
ICE 0287

Select the country using the right rotary control and press to confirm.

Entering the town name
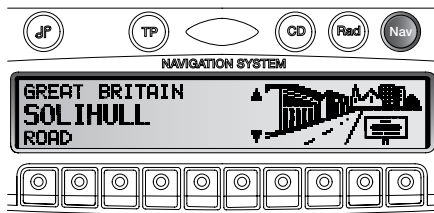
ICE 0288

The last location entered is displayed. If you want to enter a destination in the displayed location, you can select ROAD or CENTRE immediately. If your destination lies in another location, select the location using the right rotary control and press to confirm.
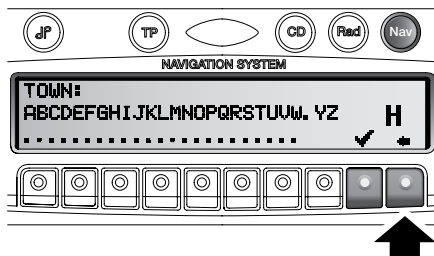

ICE 0289

Select the letters one after the other by turning the right rotary control and press to confirm.

The enlarged selected letter appears at the right of the display.

Using the multifunction button ⬅ the last confirmed letter is deleted.

The complete entry is deleted if the multifunction button ⬅ is pressed for more than 2 seconds.

Navigation Operation
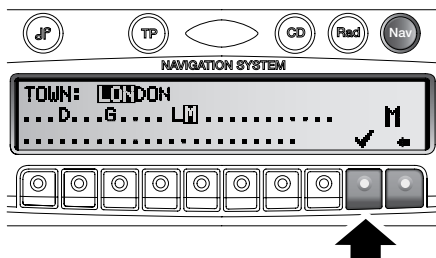
Letters which are already entered are displayed inversely. The unit offers only the possible remaining letters for selection. If no other entries are available, the unit completes the place-name automatically.

To accept the entry, press and hold the right rotary control for more than 2 seconds or select the small tick and briefly press the right rotary control.

If the complete place-name was previously entered or was automatically completed, the program switches to either a place distinguishing list or to road or centre entry.

If no roads and only the centre can be selected in the location entered, the program switches directly to Route Menu. See, *'ROUTE MENU', page 43*.

If an incomplete location entry was confirmed, the place selection list is displayed.
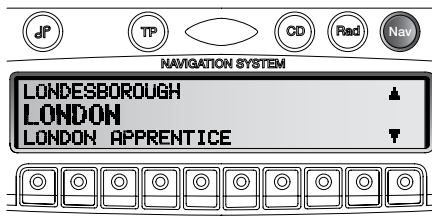
The place nearest to the entry appears in capital letters in the place selection list.

The scroll marks indicate that more places are available for selection in alphabetical order.

Select by turning and confirm by pressing the right rotary control.

If the entry is unambiguous, the program switches to road or centre entry. If no roads and only the centre can be selected in the location entered, the program switches directly to Route Menu. See, *'ROUTE MENU', page 43*.

Navigation Operation

The place-distinguishing list is displayed if the selection is ambiguous.
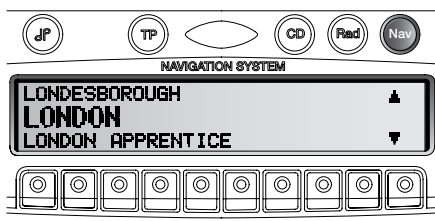
ICE 0292

Select the required place using the right rotary control and press to confirm.

The program switches to road or centre entry.

If no roads and only the centre can be selected in the location entered, the program switches directly to Route Menu. See, *'ROUTE MENU', page 43*.

Entering a road name
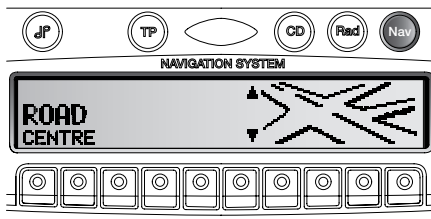
ICE 0293

Using the right rotary control, select ROAD and press to confirm. At this point one of two methods can be used to find a road.

1. Select the first 2 or 3 letters of the road name, one after the other, by turning the right rotary control and pressing to confirm. When confirming the second or third letter, press and hold the control for more than 2 seconds. An alphabetical road list is displayed. Scroll the list to find the desired road name and then press to confirm selection.
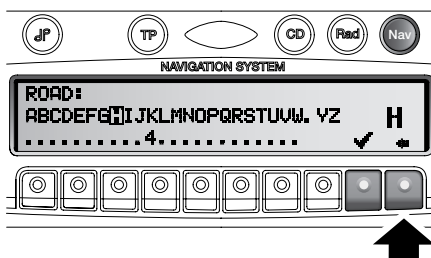
ICE 0294

Navigation Operation

**2.** Select the letters one after the other by turning the right rotary control and press to confirm. The enlarged selected letter appears at the right of the display. Using the multifunction button ◄ the last confirmed letter is deleted. The complete entry is deleted if the multifunction button ◄ is pressed for more than 2 seconds.
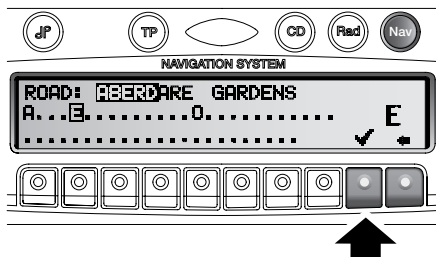
ICE 0295

Letters which are already entered are displayed inversely. The unit offers only the possible remaining letters for selection.

If no other entries are available, the unit completes the road name.

To accept the entry, press and hold the right rotary control for more than 2 seconds or select the small tick and briefly press the right rotary control.

If the complete road-name was previously entered or was automatically completed, the program switches to either road-distinguishing list or to Route Menu. See, *'ROUTE MENU', page 43*.

If an incomplete location entry was confirmed, the road selection list is displayed.
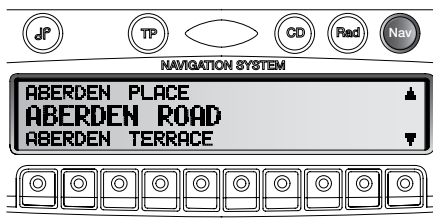
ICE 0296

The road nearest to the entry appears in large letters in the road selection list.

The scroll marks indicate that more roads are available for selection in alphabetical order. Select the road by turning the right rotary control and press to confirm.

If the entry is unambiguous, the program switches to Route Menu. See, *'ROUTE MENU', page 43*.

The road distinguishing list is displayed if the selection is ambiguous.
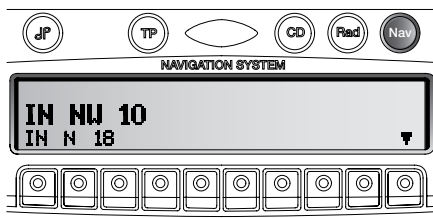
ICE 0297

Select the required place using the right rotary control and press to confirm.

The program switches to Route Menu. See, *'ROUTE MENU', page 43*.

Navigation Operation

Entering the destination centre
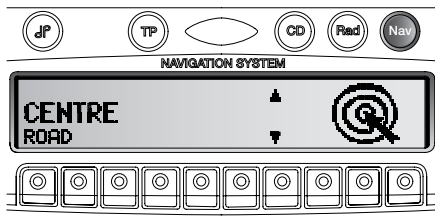
ICE 0298

Using the right rotary control, select CENTRE and press to confirm.
If the place selected only has one centre, the program switches immediately to Route Menu. See,

If the number of centres is less than 10, the centre list is displayed.
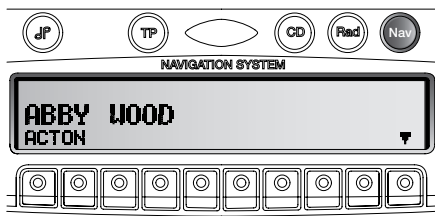
ICE 0299

Select the centre by turning the right rotary control and press to confirm.

If the number of centres is greater than 9, the program switches to Centre Entry.

Centre entry
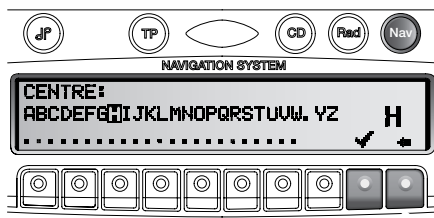
ICE 0300

Select the letters one after the other by turning the right rotary control and press to confirm. The enlarged selected letter appears at the right of the display.

Using the multifunction button ◄ the last confirmed letter is deleted.

The complete entry is deleted if the multifunction button ◄ is pressed for more than 2 seconds.
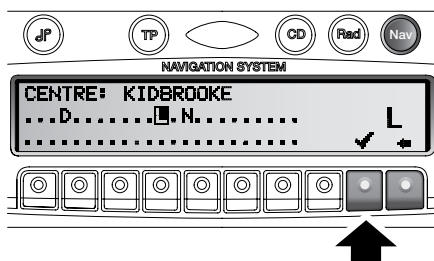
ICE 0301

Letters which are already entered are displayed inversely. The unit offers only the possible remaining letters for selection. If no other entries are available, the unit completes the centre-name.

Navigation Operation

To accept the entry, press and hold the right rotary control for more than 2 seconds or select the small tick and briefly press the right rotary control.

If the complete centre-name was previously entered or was automatically completed, the program switches to Route Menu. See, *'ROUTE MENU', page 43*.

The program switches to the centre list if the selection is ambiguous.
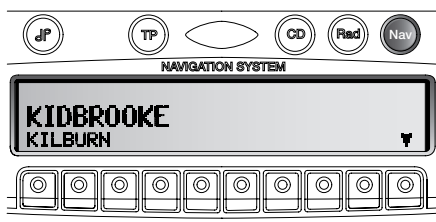
ICE 0302

The centre nearest to the entry appears in capital letters in the centre list.

The scroll mark indicates that more centres are available for selection in alphabetical order. Select the centre by turning the right rotary control and press to confirm.

The program switches to the Route Menu. See, *'ROUTE MENU', page 43*.

NOTE: *A list of possible centres is displayed immediately pressing the right rotary control for more than 2 seconds without having selected any letters.*

Selecting destination via post code

The destination can also be selected by using the town post code or a partial post code.

NOTE: *For UK postcodes, the last two letters are not used.*

Select DESTINATION in the main navigation menu using the right rotary control and press to confirm.

Select POST CODE using the right rotary control and press to confirm.
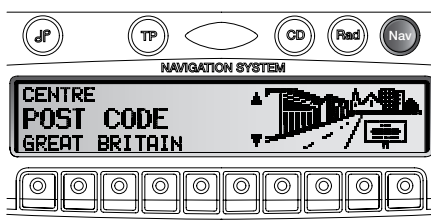
ICE 1410

Using the right rotary control, select the letters and numbers of the post code one after the other and press to confirm each one.
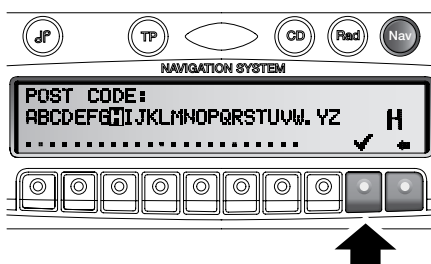
ICE 1411

The enlarged selected letter appears at the right of the display. Using the multifunction button ◀ the last confirmed letter is deleted. The complete entry is deleted if the multifunction button ◀ is pressed for more than 2 seconds.

Navigation Operation

When the post code is complete, press the right control for at least 2 seconds to confirm entry. Alternatively the small tick can be selected and the control pressed briefly to confirm.

The display will now show either the destination corresponding to the post code or, if the post code is shared by several towns, a list containing these towns.
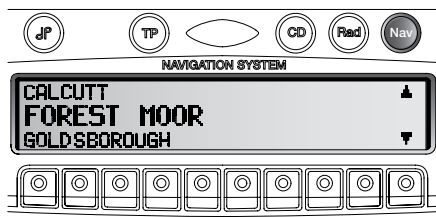
ICE 1412

Select the required location using the right rotary control and press to confirm.

If more than 20 locations share the same post code, the display will show the location input menu instead of the location list. You will have to enter the location name using the letter selection method as described previously.

When the location is recognised the ROAD or CENTRE screen will display. If there are no roads or streets in the selected location or only the centre can be selected, the program will switch directly to Route Menu. See, *'ROUTE MENU', page 43*.

ROUTE MENU
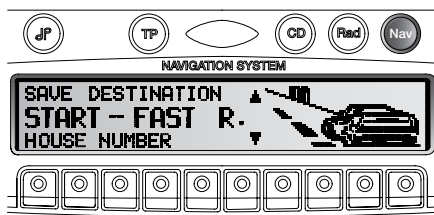
ICE 0303

Select from the following list by turning the right rotary control. Confirm the selection by pressing the control.

- SAVE DESTINATION
  Accesses the menu for the destination memory.

- START-FAST R., START-SHORT R. or START-DYN.R
  Starts route guidance. Simultaneously, a prompt appears indicating the currently selected route option (-SHORT R. for a short route, -FAST R. for a fast route and -DYN.R for a dynamic route. See, *'Selecting the route settings', page 45*.

- HOUSE NUMBER
  The house number in the specified destination road can be entered here. This function is only available if this information is stored on the navigation CD.

- CROSSING
  An intersecting road can be defined as the destination here. This function is only available if this information is stored on the navigation CD.

- ROUTE SETTINGS
  Specifications such as FAST route, short route, motorway, ferries and toll roads can be selected here.

Navigation Operation

Entering the house number

If a house or business number is available for the destination, use the right rotary control to select HOUSE NUMBER in the Route Menu and press to confirm.

Select by turning the right rotary control and press to confirm the selection
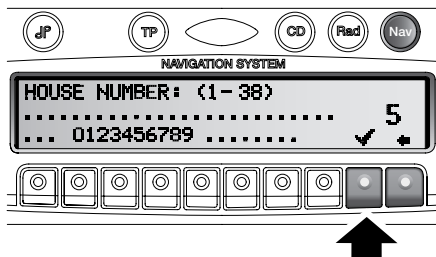
ICE 0304

Using the right rotary control, enter the house number for the destination address and press for more than 2 seconds to confirm the entry. To confirm, the small tick can also be selected and the right rotary control briefly pressed. Due to the system characteristics, route guidance continues only in the area of the house number specified.
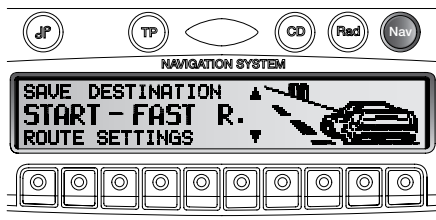
ICE 0305

Select START- to start route guidance.

Select SAVE DESTINATION to jump to the destination memory menu.

Select ROUTE SETTINGS to access the possible route options.

Navigation Operation

Finding destination by using crossing

If you have already entered a road name, a location can be found by selecting another road that intersects your first choice. Using the right rotary control, select CROSSING in the Route Menu and press to confirm.

Select the intersection for the destination road by turning the right rotary control and press to confirm the selection.
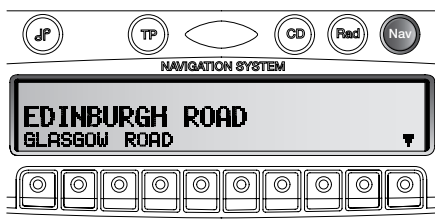
ICE 0306

Select START- to start route guidance.

Select SAVE DESTINATION to jump to the destination memory menu.

Select ROUTE SETTINGS to access the possible route options.
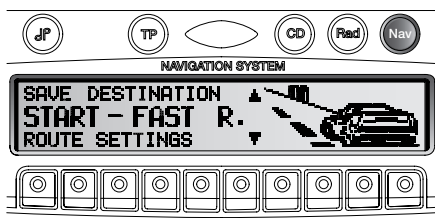
ICE 0305

Select by turning the right rotary control and press to confirm the selection.

Selecting the route settings

Using the right rotary control, select ROUTE SETTINGS in the Route Menu and press to confirm. See, *'ROUTE MENU', page 43*.
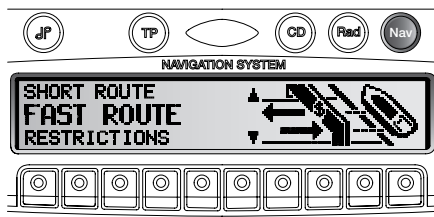
ICE 0307

- FAST ROUTE
  If selected, the programme calculates the shortest possible journey time.
- SHORT ROUTE
  If selected, the programme calculates the shortest possible distance and may use motorway as short route.

NOTE: The setting "SHORT ROUTE" is often recommended for larger cities or extended urban areas.

- DYNAMIC ROUTE (Where TMC is available).
  Dynamic route guidance is used to calculate the route, taking current traffic announcements into account.

NOTE: If dynamic route guidance has been activated, the routes are calculated using the 'FAST ROUTE' setting. For further information see "DYNAMIC NAVIGATION WITH TMC', page 54.

Navigation Operation

- RESTRICTIONS

  Provides options for avoiding motorways, ferries or toll roads.
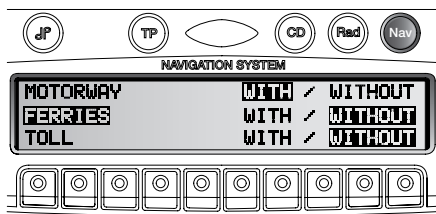
ICE 0308

Selection can be made by turning the right rotary control, and settings can be changed by pressing the right rotary control.

Press the control for more than 2 seconds to accept all settings and quit the menu.

NOTE: Routes without motorways can only be calculated for short distances (up to 200 km/125 miles).

Route guidance calculation
The message "Calculating route" indicates that the distance is being calculated, which may take several seconds.
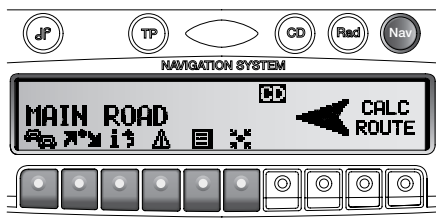
ICE 0313

After the first route guidance announcement, the prompt 'CD' flashes on the display until the route has been completely calculated. When entering a destination, driving off should be delayed until 'CD' no longer flashes.

Recalculating the route
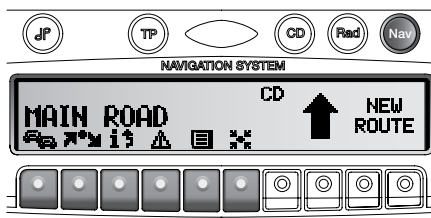
ICE 0314

If the current route is not followed due to road blocks, diversions, unintentional driving in the wrong direction or failing to observe the recommendations, the system immediately calculates a new route. During this recalculation, NEW ROUTE is displayed.

Cancelling route guidance
Press the 'Nav' button
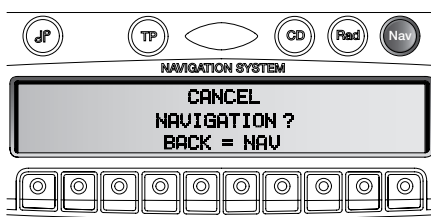
ICE 0326

Route guidance is cancelled by pressing the right rotary control within 8 seconds, otherwise, route guidance continues.

Navigation Operation

NOTES ON ROUTE GUIDANCE

After entering the destination (address), the system calculates the route and announces: "You may commence your journey".

The driving recommendations are given by voice messages and displays on the screen.

By pressing the left rotary control the current driving recommendation can be repeated.

If the route to be travelled is not clear, e.g. at an intersection where a change in direction is not specified, the direction of travel can be displayed by pressing the right rotary control.
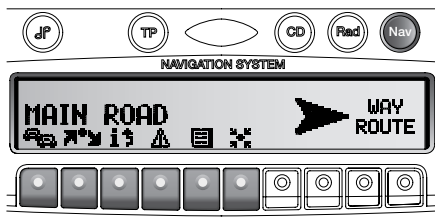
ICE 0327

Please follow the direction indicated by the arrow.

The display appears for 8 seconds after pressing the right rotary control.

WARNING

Danger! If a driving recommendation contradicts the applicable Road Traffic Regulations (RTR), the RTR is always valid!

For clarification, there follows a selection of examples of possible driving recommendations:

• "Please perform a U-turn if possible".
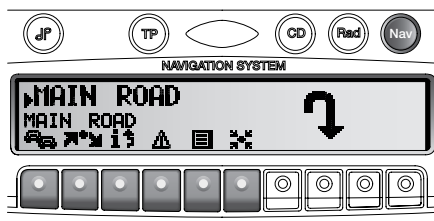
ICE 0328

You are driving In the wrong direction and should turn back at the earliest opportunity.

• "Please turn right after 300 metres".
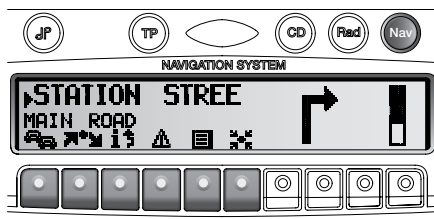
ICE 0329

The arrow indicator ▶ points to the next street into which you should turn. The name of the street is displayed.

The progress bar on the right illustrates the distance and the black part decreases as you approach the intersection.

Navigation Operation

• "Please follow the road".
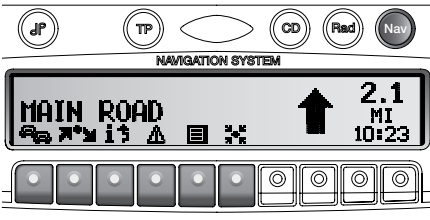
ICE 0330

This display tells you that you should follow the course of the road.

• "Prepare to turn left" or "Please move into the left-hand lane".
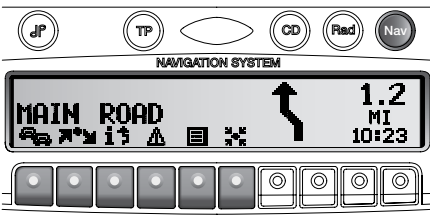
ICE 0331

This recommendation prepares you for the next turning to be taken

However, "move into the left-hand lane" does not mean that you should do so immediately!

• "Please leave the roundabout at the third exit on the left".
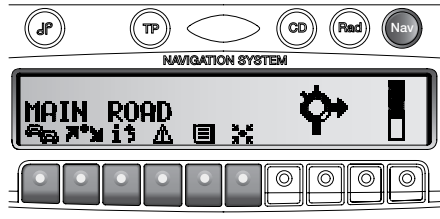
ICE 0332

This display shows you which exit (marked with the arrow) you must take at the roundabout.

• "Now drive straight ahead"
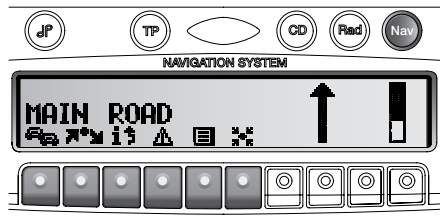
ICE 0333

At this point, you must drive straight ahead.

Navigation Operation

- "Please follow the direction arrows".
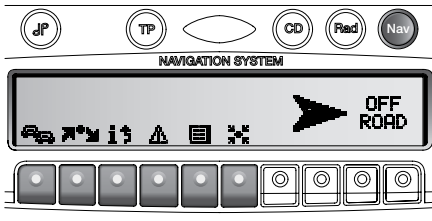
ICE 0334

This display tells you that you are in a non-digitised street (e.g. car park, garage), which is not included in the digital street map. The arrow indicates the direction of the destination as the crow flies.

- "Keep right after 2 miles".
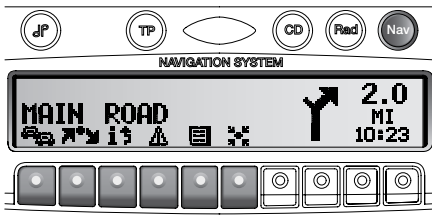
ICE 0335

Keeping to the right means that the road forks and you should follow the relevant direction.

- "You have reached your destination".
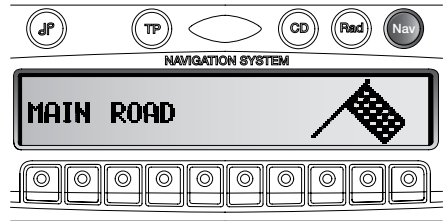
ICE 0336

The destination specified is reached and route guidance is terminated.

Navigation Operation

STORING A SPECIFIED DESTINATION

It is not absolutely necessary to store a destination in the destination memory for route guidance. It saves repeated manual entry, if the destination is required at a later date.

Select SAVE DESTINATION in the Route Menu and press the right rotary control to confirm.
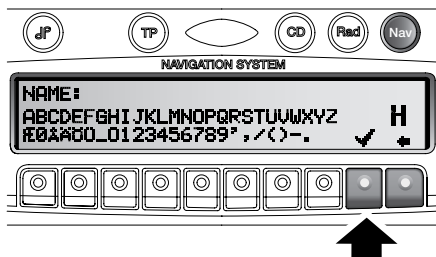
ICE 0309

Any name of your choice consisting of up to 14 characters can be entered for the specified destination and then automatically only be stored in the destination memory after pressing the right rotary control for more than 2 seconds.

To store, the small tick can also be selected and the right rotary control briefly pressed. If you do not wish to enter a name of your choice, press and hold the right rotary control for more than 2 seconds to store the address as previously entered in the destination memory.

The last destination entered can be filed at any position by turning the right rotary control. The memory position is confirmed by briefly pressing the right rotary control.

A total of 50 destinations can be stored.

NOTE: Do not save your home address as 'HOME'. Should your vehicle be stolen with your keys, for example, the thief could easily find your home address and be guided there by your navigation system.
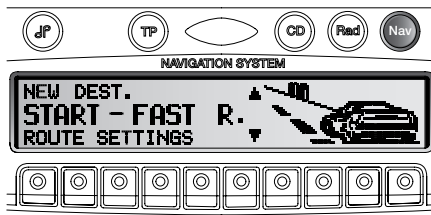
ICE 0310

For final storage in the destination memory, press the right rotary control.

Deleting stored destinations

Select destination memory.
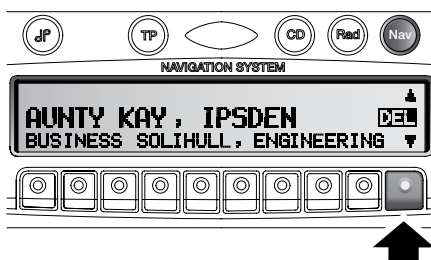
ICE 0311

Select the destination to be deleted using the right rotary control and press the 'Del' multifunction button.

Navigation Operation

Destination memory full

This occurs when the destination memory is full.
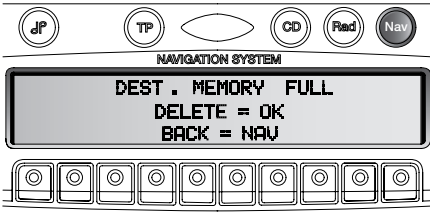
ICE 0312

Select either DELETE (to jump to the destination memory in order to delete a destination) or BACK (to cancel saving).

STOPOVER

This function enables a stopover to be entered when route guidance is active.

Entering a stopover
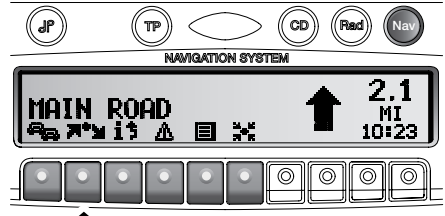
ICE 0315

Press the multifunction button ⤢.
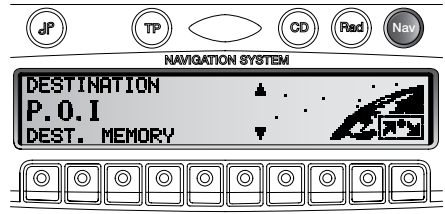
ICE 0316

Using the right rotary control, make a selection and press to confirm.

- DEST. MEMORY
  select the stopover from the destination memory.

- DESTINATION
  enables the selection of special destinations as stopovers via LOCAL AREA, NEARBY DESTINATION and TOWN/COUNTRY, e.g.petrol stations or airports.

Navigation Operation

Starting route guidance to a stopover

To start route guidance to the stopover, press the right rotary control.
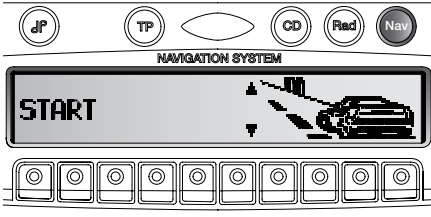
ICE 0317

The route is calculated and route guidance begins.

NOTE: The ⤳ symbol is displayed inversely during route guidance to a stopover.

Deleting a stopover
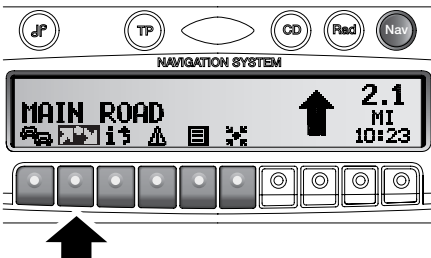
ICE 0318

Press the multifunction button ⤳ .
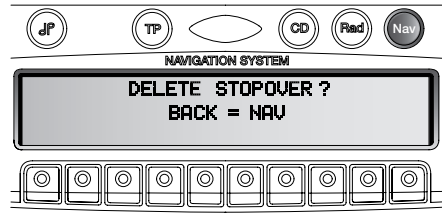
ICE 0319

To delete the stopover, press the right rotary control within 8 seconds.

Stopover reached
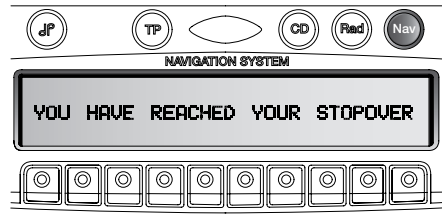
ICE 0320

Route guidance to the final destination automatically starts following the message "YOU HAVE REACHED YOUR STOPOVER"

Navigation Operation

TRAFFIC JAM FUNCTION

This function allows you to block the approaching route sections as from the next junction and calculate a bypass route when a traffic jam or road block is directly ahead.

Entering the length of a traffic jam
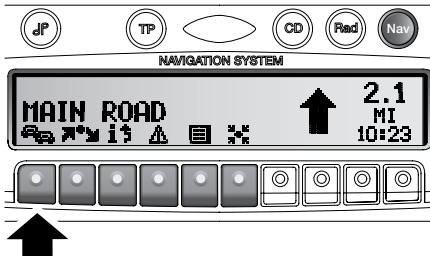
ICE 0321

Press the multifunction button ⛟.
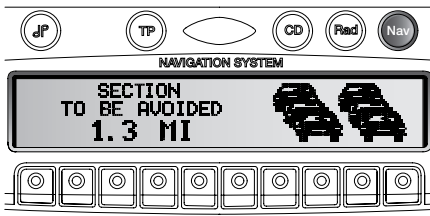
ICE 0322

Using the right rotary control, select the length of the traffic jam and press to confirm.
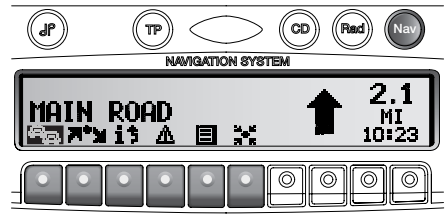
ICE 0323

⛟ is displayed inversely and the route is recalculated.

Delete block/Traffic jam
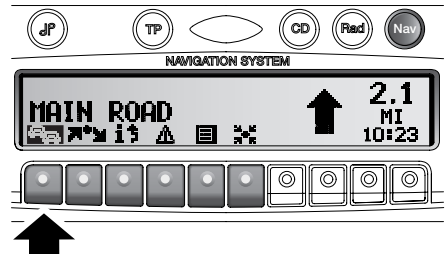
ICE 0324

Press the multifunction button ⛟
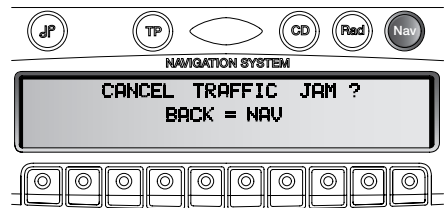
ICE 0325

To delete a block, press the right rotary control within 8 seconds.

Navigation Operation

DYNAMIC NAVIGATION WITH TMC

NOTE: This feature is currently only available in certain countries: Germany, Italy, Netherlands and Switzerland.

If route recalculations are made with active dynamic route guidance, the navigation system may request the navigation CD (if the navigation CD is not already inserted).

What is dynamic route guidance?

Dynamic route guidance is used to calculate the route, taking current traffic announcements into account.

The traffic announcements are transmitted by a TMC (Traffic Message Channel) radio station in addition to the radio programme and are received and analysed by the navigation system.

Activating dynamic route guidance

Dynamic route guidance can be started by selecting 'START-DYN.R.' in the Route Menu.

NOTE: This can only be selected if TMC is switched on. See, 'Switching TMC on/off', page 23.
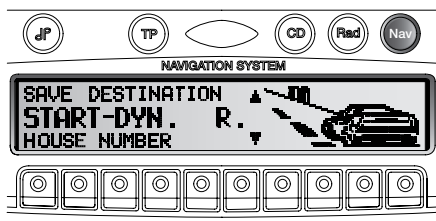
ICE 1177

If no TMC radio stations are broadcasting traffic announcements, then 'NO TRAFFIC MESSAGES RECEIVED' appears on the display.
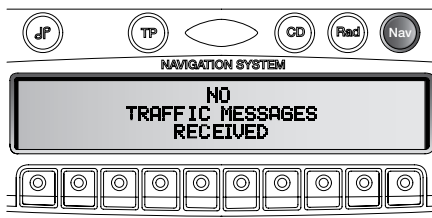
ICE 1179

If dynamic route guidance has been activated, a continuous check is made for the presence of relevant announcements for the selected route. The route is then calculated using the 'fast route' option, while taking into account current traffic announcements.

If the check determines that a traffic announcement is relevant for the route guidance, then a new route to the destination is calculated automatically by the unit.

'NEW ROUTE' appears on the display.
In addition, there is a voice announcement "The route is being recalculated due to current traffic announcements".
is displayed inversely.

*NOTE: If no TMC station was found, then 'FOR THE TIME BEING TMC RECEPTION IS NOT POSSIBLE' is displayed.
If a TMC station still cannot be found after 10 minutes, 'FOR THE TIME BEING TMC RECEPTION IS NOT POSSIBLE' is displayed, accompanied by a brief signal tone.*

Navigation Operation

Your navigation system can receive TMC information, whether a TMC station is selected or not. However, in order to guarantee optimal reception of TMC information, we recommend the selection of a TMC station.

During radio operation (FM), a selected TMC station can be recognised by the abbreviation 'TMC'
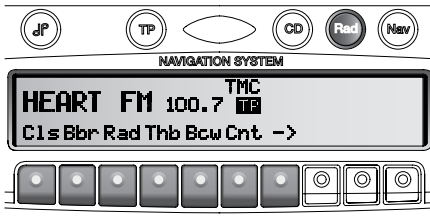
ICE 0921

Displaying traffic information

Current traffic announcements can be displayed in plain text. There are several options for requesting current traffic information.

Traffic information can be requested via the multifunction buttons ⚡ and ⚠ in the route guidance display and, in the case of inactive route guidance, via the multifunction button ⚠ in the information menu.

Route guidance display
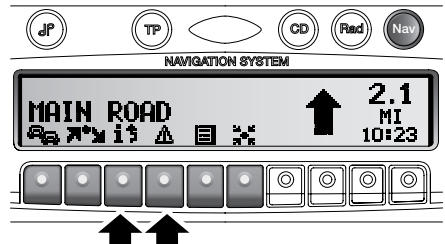
ICE 0922

A list of all currently available traffic information is displayed by pressing the multifunction button ⚠ .

A list of all current traffic information which is relevant for the calculated route is displayed by pressing the multifunction button ⚡ .

NOTE: If no traffic information is currently available, 'NO TRAFFIC MESSAGES RECEIVED' is displayed.

Information menu

For inactive route guidance, the information menu can be requested by pressing the left rotary control.
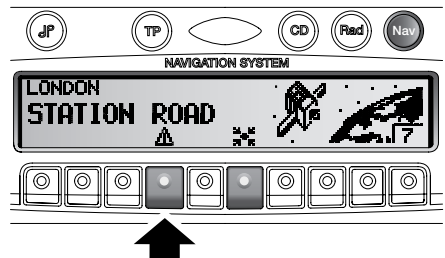
ICE 0923

Press the multifunction button ⚠ . A list of currently available traffic information is displayed.

Navigation Operation

More detailed information on the individual announcements can be requested in the list of current traffic information.
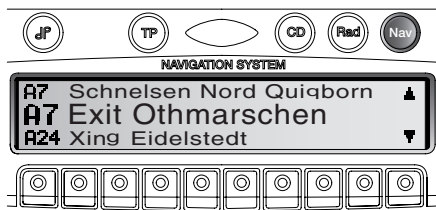
ICE 0924

The scroll marks at the right edge of the display indicate that additional traffic information is available. A selection can be made by turning the right rotary control and pressing to confirm.

After the desired traffic information has been confirmed, the information is displayed in full. A typical traffic announcement consists of:

- a motorway or road number
- approximate direction information
- detailed location and direction information
- the incident
- the cause, if known

Pressing the 'NAV' button switches back to the list of currently available traffic information.
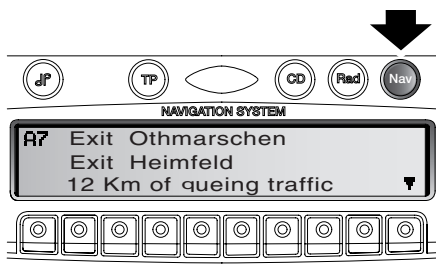
ICE 0925

INFORMATION DURING ROUTE GUIDANCE
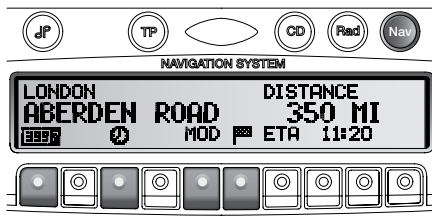
ICE 1401

Press the left rotary control.

The destination, the distance and the estimated time of arrival are displayed.
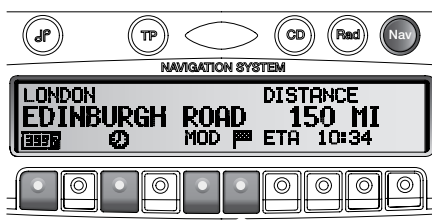
ICE 1402

If a stopover has been specified, the stopover, the distance and estimated time of arrival are displayed.

The main destination can be displayed via the multifunction button ▭ .

Press the multifunction button on the far left to display:

Time travelled
Average speed
Distance travelled

To return to route guidance, press the left rotary control again or wait for 8 seconds.

Navigation Operation

Requesting journey duration and distance travelled

During route guidance, press the left rotary control.
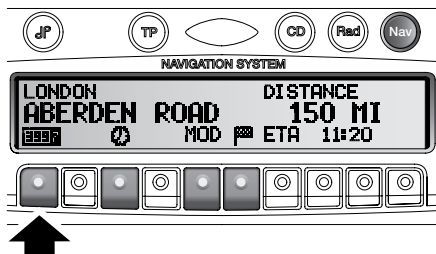
ICE 1403

Press the multifunction button ⬜.
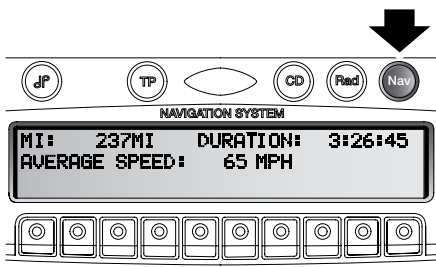
ICE 1416

The journey duration, distance travelled and the average speed are displayed.

If navigation is not active, the values of the last journey are displayed.

Pressing the right rotary control for more than 2 seconds will reset the values to zero.

If navigation is active, pressing the 'Nav' button returns you to the navigation display, otherwise the information menu is displayed.

Displaying the route settings
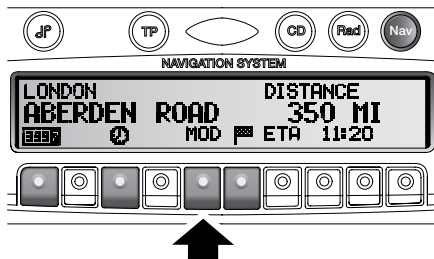
ICE 1404

During route guidance, press the left rotary control. Press the 'Mod' multifunction button.
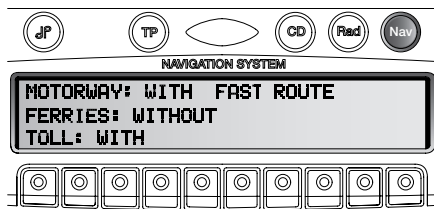
ICE 0340

The route settings are displayed.

After 8 seconds, the system returns to the route guidance display.

Navigation Operation

Requesting current time
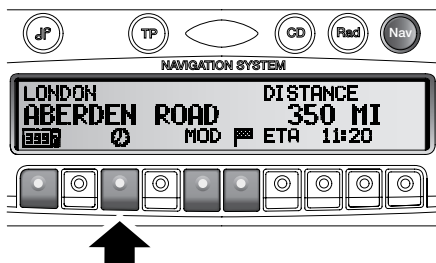
ICE 1405

During route guidance, press the left rotary control. Press the ⊕ multifunction button.
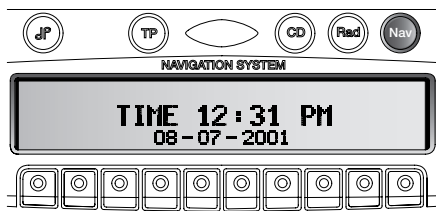
ICE 0342

The current time is displayed. After 8 seconds, the system returns to the route guidance display.

Requesting current position

During route guidance, the current position can be requested.
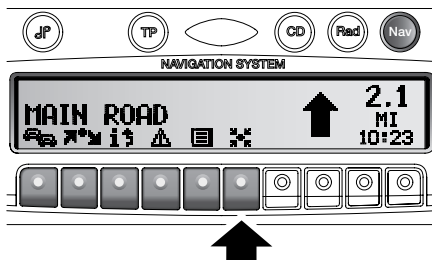
ICE 0343

Press the multifunction button ✕.
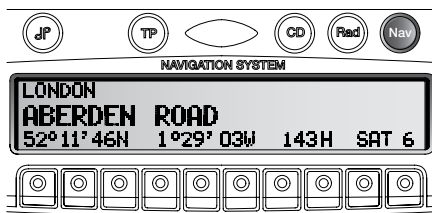
ICE 1417

The current position with road name (if available), degrees of longitude and latitude and the number of satellites received are displayed.

By pressing the right rotary control, the program returns to the route guidance display.

The current position can be requested even when route guidance is not active by pressing the left rotary control.

Navigation Operation
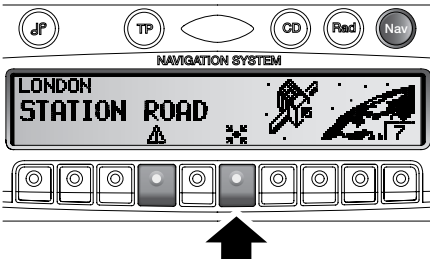
ICE 0928

Press the multifunction button ⚡.
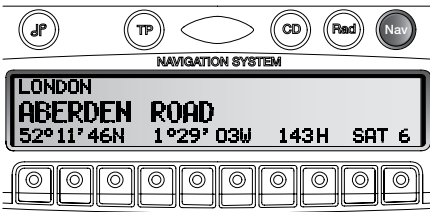
ICE 1417

The geographic position is displayed. Pressing the right rotary control or the 'Nav' button returns to the information menu.

Requesting the road list

During route guidance, the planned route list can be requested.
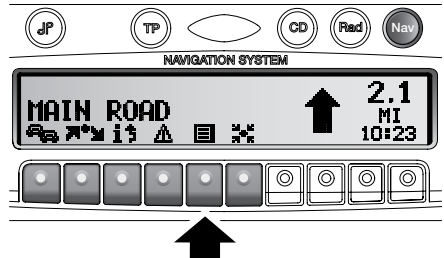
ICE 0345

Press the multifunction button ▤.
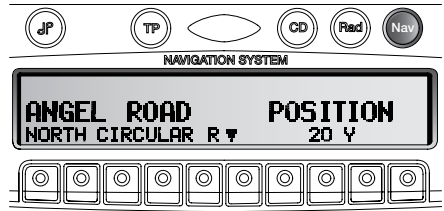
ICE 0346

The current road and the road names up to the destination are displayed. The route list can be scrolled by turning the right rotary control.

By pressing the right rotary control, the program returns to the route guidance display.

NOTE: After destination entry, there is a short delay until the route list is created.
If the vehicle is "off road" at the moment of destination entry, the route list cannot be created until a stored road is reached.

Navigation Operation

Destination memory

Using the right rotary control, select
DEST. MEMORY in the main navigation menu
and press to confirm.
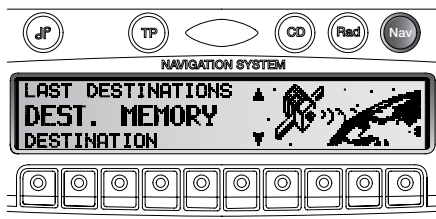
ICE 0347

The destination memory contains personally
stored destinations. Once stored, manual entry
of the destination is no longer necessary.
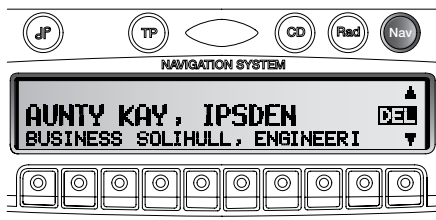
ICE 0348

Select the destination using the right rotary
control and press to confirm.

Then start route guidance.

POINTS OF INTEREST (P.O.I.)

Menu for selecting special destinations from a
specified list.

Special destinations are e.g. petrol stations,
airports or hospitals.
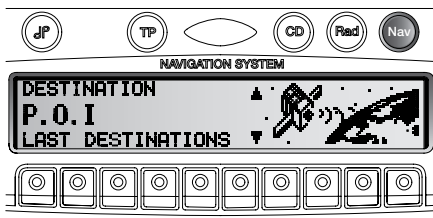
ICE 0349

Using the right rotary control, select P.O.I. from
the main navigation menu and press to confirm.

Navigation Operation

Special destinations, LOCAL AREA/NEARBY
DESTINATION.
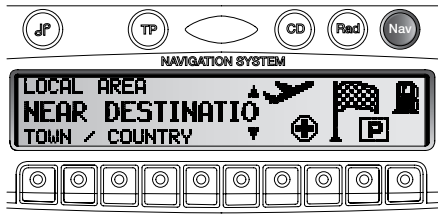
ICE 1927

Special destinations in the current surrounding
area of the vehicle or special destinations near
the destination can be selected. Using the right
rotary control, make a selection and press to
confirm.
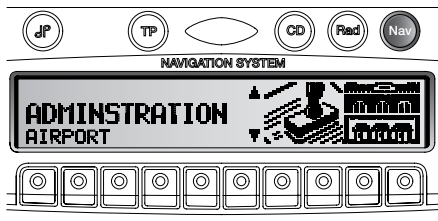
ICE 0351

Using the right rotary control select a category
and press to confirm.
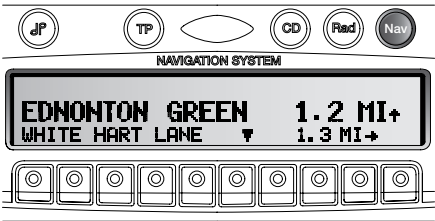
ICE 0352

Destinations are listed according to proximity.
The figures in kms or miles, relate to the direct
distance (as the crow flies) between the special
destination and the current location.

The arrows following the distance information
indicate the distance as the crow flies to the
relevant special destination (e.g.↑ special
destination lies in the direction of travel,
↓ special destination lies in the opposite
direction to that of travel).

Select the desired destination using the right
rotary control.

By pressing the left rotary control, information
selected destination is listed (e.g. a hospital).
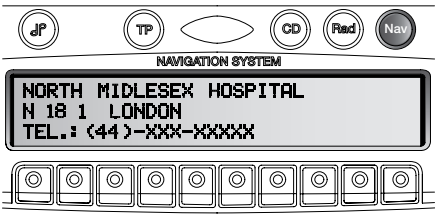
ICE 0353

Confirm the selection using the right rotary
control.

The system jumps to the Route Menu. See,
'ROUTE MENU', page 43.

Navigation Operation

- **Special destinations** TOWN / COUNTRY
  Special destinations of your choice in
  countries contained in the navigation CD
  can be selected.
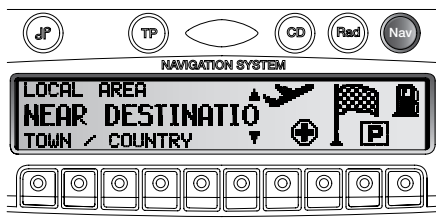
ICE 1927

Using the right rotary control, select TOWN /
COUNTRY and press to confirm.
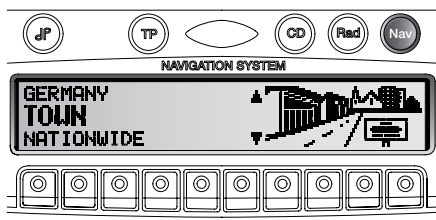
ICE 0354

Using the right rotary control, select either
COUNTRY, TOWN or NATIONWIDE and press
to confirm.

Select TOWN.
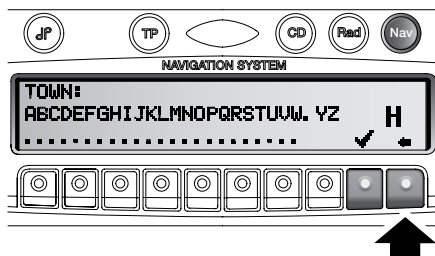
ICE 0289

Using the right rotary control, select the TOWN
and press to confirm.

Then select the town from the town selection
list using the right rotary control and press
again to confirm.

Special destinations for the selected town are
displayed.
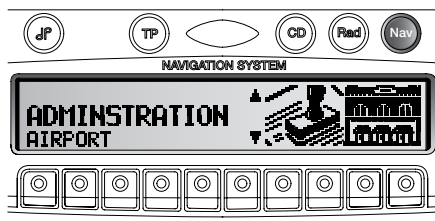
ICE 0351

Using the right rotary control, select a category
and press to confirm.

A list with special destinations is displayed or if
there are more than 9 entries in the list, you will
be requested to enter text.

Navigation Operation
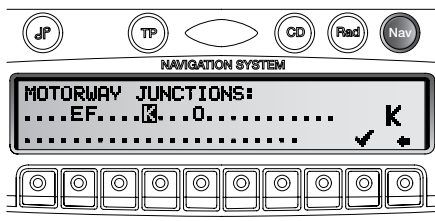
ICE 0355

Enter the special destination and confirm by pressing the right rotary control.

The system jumps to the Route Menu. See, *'ROUTE MENU', page 43.*

NOTE: *A list of possible special destinations is displayed by pressing the right rotary control for more than 2 seconds without having selected any letters.*

Selecting NATIONWIDE

Using the right rotary control, select NATIONWIDE and press to confirm.
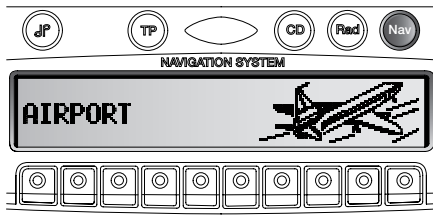
ICE 0356

A list with special destinations is displayed or if there are more than 9 entries in the list, you will be requested to enter text.
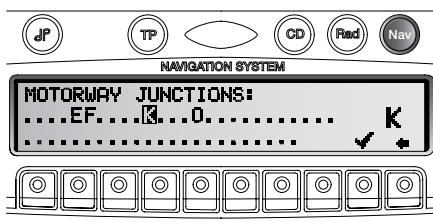
ICE 0355

Enter the special destination and confirm by pressing the right rotary control.

The system jumps to the Route Menu. See, *'ROUTE MENU', page 43.*

NOTE: *A list of possible special destinations is displayed by pressing the right rotary control for more than 2 seconds without having selected any letters.*

Navigation Operation

SYSTEM SETTINGS

In the main navigation menu, press the 'Nav' button.

The system settings menu is requested.
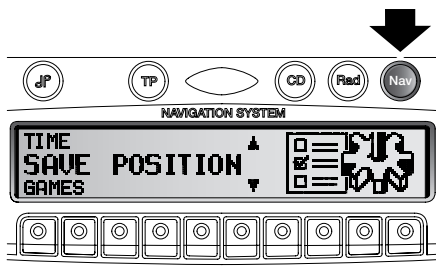
ICE 0357

Select from the following list by turning the right rotary control. Confirm the selection by pressing the control.

- TIME
  System clock can be set to local time.

- SAVE POSITION
  Current position can be saved and stored in the destination memory.

- GAMES
  A selection of games is available.

- LANGUAGE*
  Language setting for the navigation system.

- ANIMATIONS
  Display animations switch on or off.

- MEASURING UNIT
  Display units in metres or yards.

- ANNOUNCEMENT ETA
  Announcement of the estimated time of arrival can be switched on / off.

- ETA CALCULATION
  The estimated time of arrival can be calculated.

- SPEED LIMITS

- TIME INFORMATION

Setting the time zone

In order to achieve correct navigation on routes requiring guidance under time restrictions and to calculate the estimated time of arrival, it is necessary to set the GMT time transmitted from satellites to the current time zone.
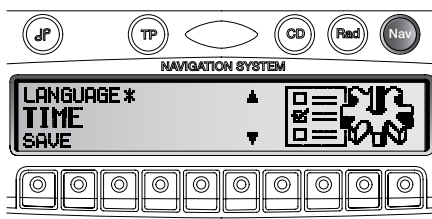
ICE 1928

With the right rotary control select TIME in the System Settings menu and press to confirm.
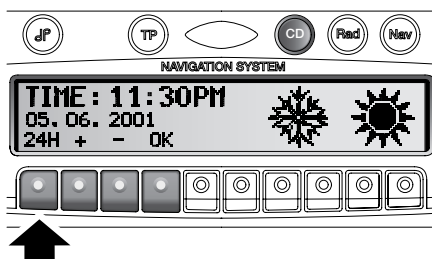
ICE 0359

Using the multifunction button the time can be changed from the 24 hour to the 12 hour display and adjusted in 30 minute increments.

NOTE: The minute accurate time is then set automatically by the unit.

Navigation Operation
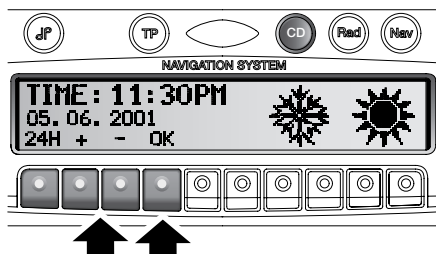
ICE 0360

Using the multifunction buttons + or - the time is changed every half hour.

By pressing the right rotary control or the multifunction button 'OK' the time set is accepted. The program returns to the System Settings menu.

Saving your position
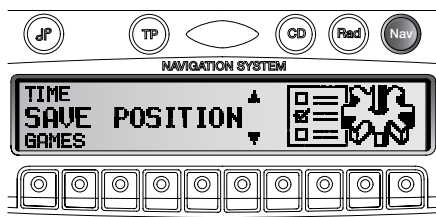
ICE 0361

Select SAVE POSITION in the System Settings menu and confirm.

The current co-ordinates (degrees of longitude and latitude) are displayed.
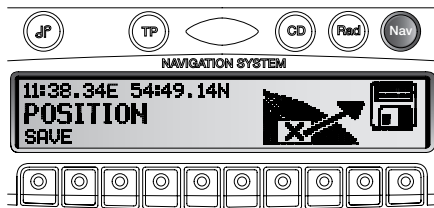
ICE 0362

Confirm again by pressing the right rotary control.
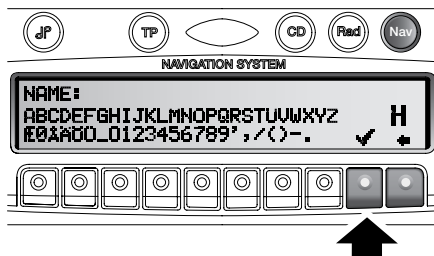
ICE 0309

Enter the name of the position.

Press the right rotary control for more than 2 seconds to confirm the name entered.

Alternatively, select the small tick and then briefly press the right rotary control.

The destination memory is automatically requested.

Select the desired position in the destination memory using the right rotary control and press to confirm.

Navigation Operation

Selecting a game
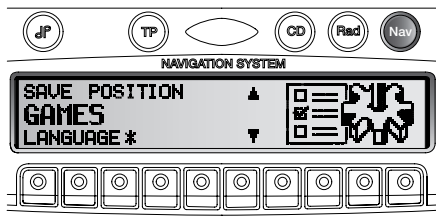
ICE 1923

Select GAMES from the System Settings menu and confirm.
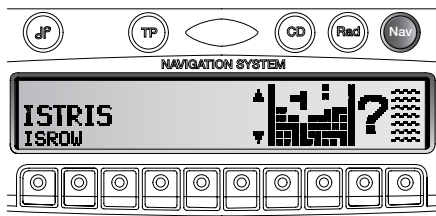
ICE 0364

Select a game using the right rotary control.

WARNING

To avoid the risk of loss of control and personal injury, DO NOT play games whilst driving.

Setting the language
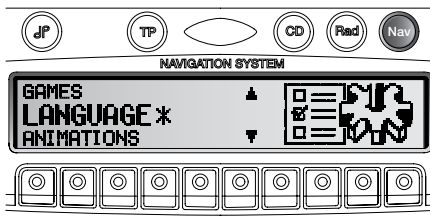
ICE 1924

Select LANGUAGE in the system settings menu and confirm.

NOTE: An asterisk (*) is permanently displayed next to the menu option 'LANGUAGE' or its translation. This enables easy location of this menu function if the text is in a language foreign to the user.
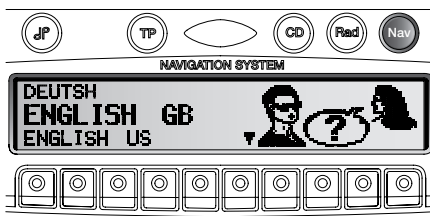
ICE 0366

Select the language using the right rotary control. The language selection is accepted by pressing the control and the language is installed.

You can choose either a male or a female voice for certain languages.

Navigation Operation
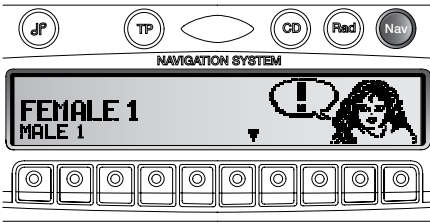
ICE 1929

Select the voice using the right rotary control. The voice is accepted and installed by pressing the control.

The system returns to the System Settings menu after installation.

Animations
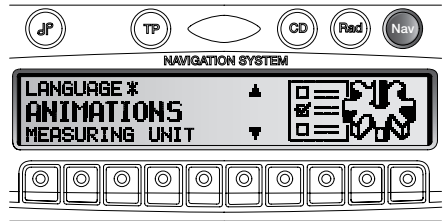
ICE 1925

Select ANIMATIONS in the System Settings menu and confirm.
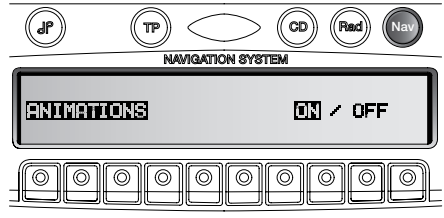
ICE 0369

It is possible to select between animations ON and OFF by briefly pressing the right rotary control.

Press and hold the right rotary control to accept the setting.

The system returns to the System Settings menu.

Navigation Operation

Switching announcement of the estimated time of arrival (ETA) on/off
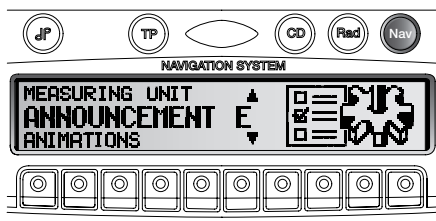
ICE 1926

Select ANNOUNCEMENT ETA in the System Settings menu and confirm.

ETA stands for **E**stimated **T**ime of **A**rrival.
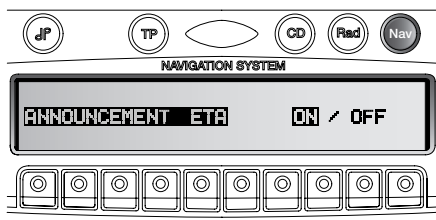
ICE 0371

It is possible to select between announcement ETA ON and OFF by briefly pressing the right rotary control.

Press and hold the right rotary control to accept the setting.

The system returns to the System Settings menu.

Setting the measuring unit
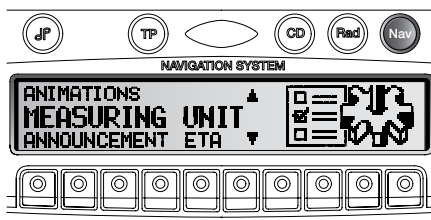
ICE 0372

Select MEASURING UNIT in the System Settings menu and confirm.
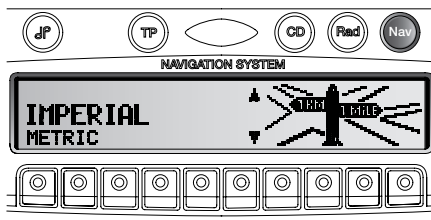
ICE 0373

Select the measuring unit using the right rotary control. The measuring unit is accepted by pressing the control.

The system returns to the System Settings menu.

NOTE: METRIC indicates calculation in metres. IMPERIAL indicates calculation in yards.

Navigation Operation

Influencing the calculation of ETA
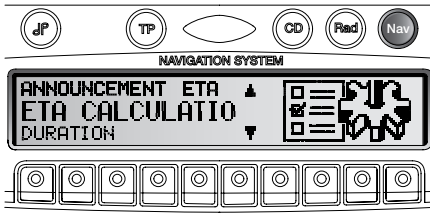
ICE 1406

Select and confirm ETA CALCULATION in the System Settings menu.
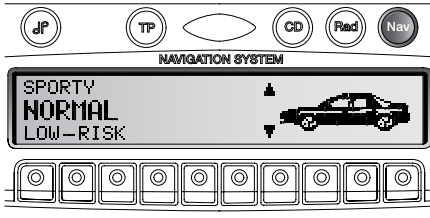
ICE 1407

Use the right rotary control to select the desired setting and confirm with a press of the control.

Select from:

- SPORTY

  ETA is automatically adjusted to account for faster driving. An earlier ETA is calculated.

- NORMAL

  The default setting. Provides a sufficiently accurate calculation of ETA for most journeys.

- LOW RISK

  ETA is automatically adjusted to account for slower journeys. This setting could be used for example, when dense traffic is expected. A later ETA is calculated.

Setting the ETA time display
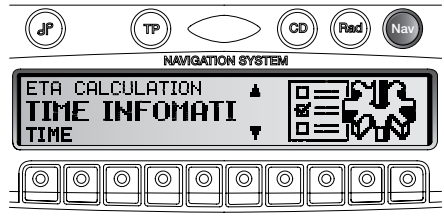
ICE 1938

Select and confirm TIME INFORMATION in the System Settings menu.
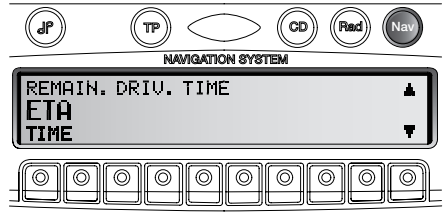
ICE 1409

Use the right rotary control to select the desired setting and confirm with a press of the control.

Select from:

- REMAIN. DRIV, TIME

  Shows the remaining travel time.

- ETA

  Shows the estimated time of arrival.

- TIME

  Shows the current time.

User Menu

REQUESTING/QUITTING THE USER MENU

The User menu is requested by pressing the 'Tone' button for more than 2 seconds.
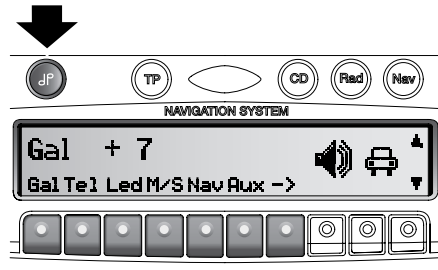
ICE 1930

After requesting the User menu, the following basic settings can be selected on two planes according to your personal preference.

The planes can be accessed by pressing the -> and <- multifunction button.

First plane:

Gal	speed-dependent volume control
Tel	telephone characteristics (Function NOT enabled)
Led	LED setting
M/S	reception optimization setting
Nav	navigation announcement setting
Aux	aux input setting

Second plane:

Cmp	compass display setting
Bev	signal tone volume setting

Press the 'Nav' button again to quit the user menu.

GAL setting

The GAL is a car radio control circuit, which automatically adjusts the car radio volume according to vehicle speed. This results in compensation of the driving noise produced at higher speeds.

Request the User menu. Press the 'Gal' multifunction button. Using the right rotary control, select between 'O' and '+7'.
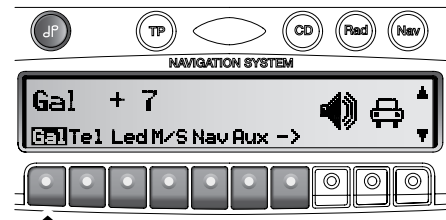
ICE 1931

With the GAL setting, the start of volume adjustment can be specified according to vehicle speed.

The setting is stored automatically.

Explanation:

O	no volume increase
+1	volume is increased at low speed
+7	volume is increased at a higher speed

User Menu

LED setting

The flashing of the LED (flashes when unit is switched off) can be switched on or off using this function.

Request the User menu. By pressing the multifunction button 'Led', select either 'blinking' (LED on) or 'off' (LED off).
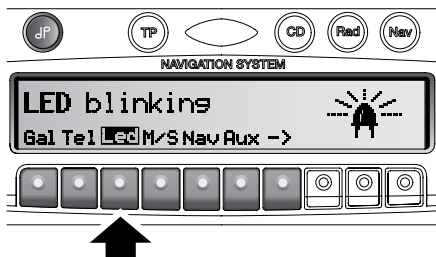
ICE 1933

The setting is stored automatically.

Setting reception optimization (M/S)

Two different reception optimization settings can be selected in order to suppress reception-dependent interference and reflections.

Request the User menu. By pressing the multifunction button 'M/S', select either 'Stereo', 'Mono' or 'Auto'.
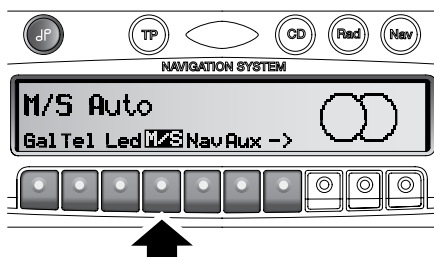
ICE 1932

Auto: Setting for normal operation - i.e. the system switches from stereo to mono and back, depending upon reception location (provides the optimum setting for almost all reception areas).

Stereo: Setting for exceptional reception conditions - i.e. the unit is constantly set to stereo.

Mono: Setting for reception conditions in which reflections constantly occur - i.e. the unit is set constantly to mono.

The setting is effective immediately and is also retained on switching off.

User Menu

Setting navigation announcements (Nav)

With this function you can select how you wish to hear navigation announcements.

For selection, request User menu. Using the multifunction button 'Nav', select either 'only', 'mixed' or 'independ'.
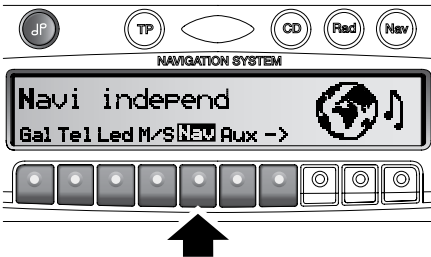
ICE 1934

The setting is stored automatically.

only: The audio source currently being listened to is switched off and only navigation announcements are heard.

mixed: The volume level of the audio source currently being listened to is decreased. The navigation announcement is set to the same volume level as the previously heard audio source, but still adjustable within a range of +/-6 dB. If the audio source volume is then changed, the navigation announcement volume is adjusted accordingly.

independ: The audio source being listened to and the navigation announcement can be set to various levels.

Land Rover suggest that 'independ' be set for best all-round performance.

Compass display

If route guidance is not active, it is possible to display a compass on the right side of the display.

For selection, request User menu then press the -> multifunction button.

Using the multifunction button 'Cmp', select either 'Show compass' (compass is displayed) or 'Hide compass' (compass is not displayed).
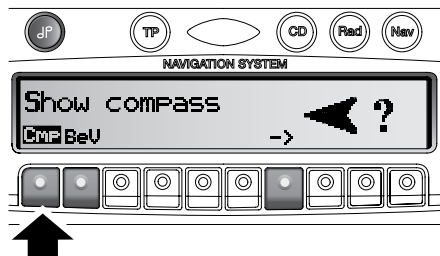
ICE 1936

If the compass display is switched off, 9 multifunction buttons are assigned transmitter abbreviations in FM - DAS mode (route guidance not active).

The setting is stored automatically.

Signal tone volume (BeV)

The volume of signal tones (e.g. storage confirmation) can be set using this function.

For selection, request User menu then press the -> multifunction button. Press the 'BeV' multifunctIon button. Using the right rotary control, select between 'O' (quiet) and '+5' (loud).
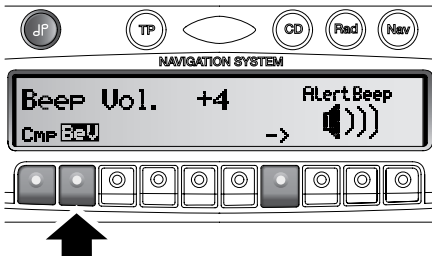
ICE 1937

The setting is stored automatically.

MALFUNCTION RESET

If a malfunction of the unit should occur, such that the unit is no longer capable of operation, or is defective in some other way, a restart of the unit software (reset) can be triggered.

In order to trigger a reset, press the '1' or the '3' multifunction buttons and the 'TP' button simultaneously. The navigation CD must be inserted after a reset of the unit.

Conformance

EEC CONFORMANCE

In conformance with current EC guidelines, any person may operate this radio receiver.
This unit conforms to the current valid European or harmonised national regulations. The designation is your guarantee of conformance to the applicable specifications concerning electromagnetic compatibility for the unit. This means that interference affecting other electrical/electronic devices caused by your unit, as well as interfering influences on your unit from other electrical/electronic devices, can be largely prevented.

Current valid designations are:

- CE symbol for issue according to European guideline 89/336/EEC under application of the following standards:

EN 55013

EN 55020

- e symbol according to European motor vehicle EMC guideline 95/54/EU, also permits operation in motor vehicles (classes M, N and 0) which received their type approval after 1st January 1996.

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Index

Index

Index