



RANGE ROVER

In-Car Entertainment



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In-Car Entertainment (ICE) Handbook

For your convenience, this (ICE) handbook is divided into sections, each dealing with a different aspect of the unit. These are listed on the title page and you will find it worthwhile to take a little time to read each one, and get to know your ICE unit as soon as you possibly can.

The specification of each vehicle will vary according to territorial requirements and also from model to model within the vehicle range. Some of the information published in this handbook, therefore, may not apply to your particular vehicle.

*An asterisk appearing within the text, identifies features or items of equipment that are fitted as options.

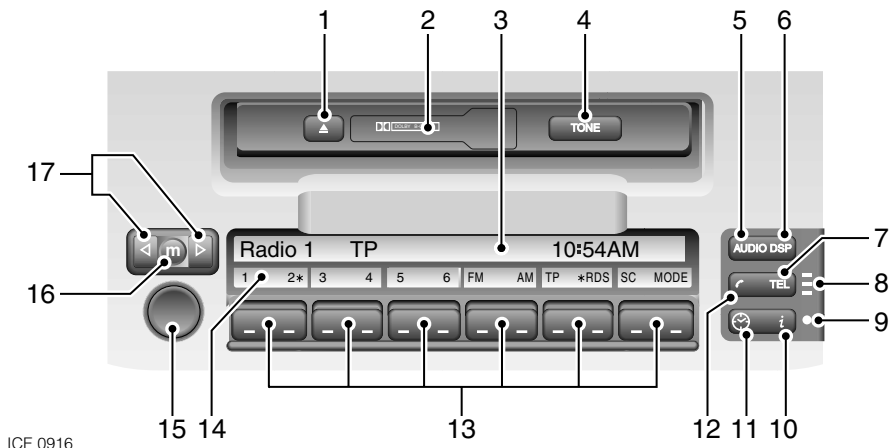
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Introduction

UNIT CONTROLS



1. EJECT Button

Press to eject installed media, Cassette, MD or CD.

2. Media slot with dust flap

Insert media for playback into this slot.

3. Display

Displays information on waveband, name of RDS stations, programme, frequency, DSP sound memory, cassette, MD, CD and telephone functions, tone settings, time and date.

4. TONE Button

Press to alter settings for: Tone, Speed dependent volume control, Volume of traffic reports, and Programme type display.

5. AUDIO Button

Press to: Change the display (3) from computer to audio functions.

Switch the radio on with the ignition switched off. Change the display for tone control with the radio switched on.

6. DSP Button*

Press to change the display (3) for the DSP sound system with the ignition switched on.

7. TEL Button*

Press to select telephone functions. (See On-Board Telephone Handbook).

8. TEL Indicator lights*

Indicates telephone operating status.
Red light on: no telephone operation possible.
Red light flashes: only emergency calls possible.
Green light on: connected.
Yellow light on or flashes: telephone logging onto another network.

9. Indicator light*

For Auxiliary heater/Independent ventilation control.
On: Switch-on time programmed.
Flashing: In operation.
(Auxiliary heater/Independent ventilation control, see Owner's Handbook).

Introduction

10. Computer information

Press to access the computer functions.

11. Clock

Press to access setting functions for the digital clock.

12. Send/End Button*

This button has 3 primary functions:

- Press to accept incoming call.
- Press to dial telephone number/memory that is shown on the display (3).
- Press to terminate telephone call. (Note that the green LED (8) will extinguish to confirm end of call.

13. Function keys

Press to select functions from the display (14).

14. Function Key Display

Displays functions and options assigned to the Function keys (13). These vary according to the operating mode i.e radio, cassette, MD, CD, tone or computer.

15. On/Off/Volume - Rotary control

Press to turn on or turn off unit and rotate to adjust volume setting.

16. Manual Station selection Button

Press to enable a manual search of radio frequencies. The search is performed in pre-determined frequency steps. The direction of the search is dependent on which Station/Title/Search button (17) is subsequently pressed.

17. Station/Title/Search Buttons

Press to:

Search and select radio stations by frequency or by name.

Fast forward/rewind tape.

Music track search. (Cassette/MD/CD).

Introduction

Multi-Information Display Operating principle

In addition to audio system control, this unit is also used for setting the clock and computer functions and where fitted, operating the telephone.

The display (3) consists of two parts, the lower of which (Function key display 14) is divided into six areas.

One or two functions can be displayed in each of these six areas. The functions change according to the feature to which the display relates.

The function keys (13) are located below the Function key display (14).

To perform a function, press the corresponding function key (13) at the right or left.

If only one function is shown in the display, press the key at either the right or left to activate.

NOTE: Unrealistic numerical inputs are not accepted. If the power supply is interrupted, all the stored data is erased. After restoring the power supply, the time and possibly also the switch-on times for auxiliary heater/independent ventilation control, distance and speed limit values must be input again.



ICE1190

Example display for radio mode.



ICE1191

Example display for tape mode.



ICE1235

Example display for MD/Single CD mode.



ICE1192

Example display for CD Changer mode.

General Operation

GENERAL OPERATION

Switch On/off

Press the 'On/off, volume rotary control' (15).
The set selects the audio source last used (Radio, MD, CD or Cassette).

Listening to Radio with the ignition switched off

With the ignition switched off, (ignition key turned to position 0 or removed), the radio functions remain available for approximately 20 minutes.

When the ignition is switched off, the unit is also switched off.

To switch the unit on again, press the 'On/off, volume rotary control' (17) or the 'Audio' button (5).

NOTE: The unit cannot be operated via the multifunctional steering wheel when the ignition is switched off.

To protect the battery, you should always switch off the radio when leaving the car.

Adjusting the volume

Turn the 'On/off, volume rotary control' (15).
The volume is increased or decreased.

Adjusting speed-dependent volume control

Your radio unit has speed dependent volume control (Speed Vol.) to compensate for the higher level of noise inside the car at higher road speeds.

This feature raises the volume in line with your car's speed.

You can adjust the rate of increase in volume in 6 stages.

The higher the volume stage selected, the more pronounced the increase in volume.

Press and keep depressed the 'TONE' button (4).



ICE1193

Select the volume stage by pressing once or holding the function key (13) below 'SVOL' (14).
The volume stage selected appears in the display (3).

Exit by pressing the function key (13) below 'MODE' (14).

Restoring the default volume settings

The default (centre) volume centre settings for traffic programmes (See TP function in Radio section) and speed dependent volume control can be restored.

Press and keep depressed the 'TONE' button (4).
Restore the default by pressing the function key (13) below 'CLR' (14).

The default (centre) volume setting for traffic programmes is reset to stage 0 and the speed-dependent volume control reset to stage 3. If the programme type was switched on, it is de-activated.

Exit by pressing the function key (13) below 'MODE' (14).

NOTE: Both functions and the activated programme type (PTY) cannot be reset individually. When the 'CLR' key is pressed, all settings are reset or de-activated.

General Operation

Activating the tone menu

Press the 'Tone' (4) or 'Audio' (5) buttons to activate the tone menu.



ICE1194

The following functions can be requested:

Bass, Treble, Balance, Fader and Linear.

To access a particular tone function, press the function key (13) below the desired tone (14).

Adjusting tone settings

Adjust the desired tone by pressing once or holding the function key (13) (+ / -, (↑ / ↓) or (← / →), until the required level is obtained.

Resetting the tone settings

'Linear', resets all tone settings for the current audio source to the central settings.

NOTE: The tone setting is specific to the audio source, i.e. it can be adjusted separately for the radio, cassette, MD and CD.

When the audio source is changed, the tone settings last used for the new audio source are established.

DSP sound system*

Digital Sound Processing (DSP), offers you the optimum audio entertainment through its simulated stereo sound and through its equaliser functions.

DSP offers you 3 preset and 3 individually adjustable sound memories.

The preset sound memories which simulate the acoustics of the concert hall, jazz club and church, are permanent and cannot be altered.

NOTE: It is not possible to alter the DSP tone settings while listening to the radio with the ignition switched off.

Selecting a sound memory

Press the 'DSP' button (6).



ICE1195

Select a permanent sound memory by pressing the function key (13) below 'CONCERT, JAZZ CLUB or CHURCH' (14).

Select an individual sound memory by pressing the function key (13) below 'MEMORY 1, 2 or 3' (14).

To quit the sound memory function, press the 'Audio' button (5).

The selected memory setting is shown in the display (3).

Modifying an individual sound memory

You can modify sound memories 1 to 3 as preferred. Adjust the controls for 'Equaliser', 'Room' and 'Echo'.

NOTE: Adjustment of the sound via 'TONE' (4), may restrict the range of the individual sound memories if the treble or bass settings are extremely high or low.

To derive optimum benefit from the sound memories, you should first reset the tone settings. (See previous).

General Operation

Press the 'DSP' button (6).
Press the function key (13) below the required memory (1,2 or 3) (14).



ICE1196

To call up the adjustment menu, press the function key (13) below 'SET' (14).
To adjust the setting of the desired function e.g Equaliser, press the function key (13) below 'EQU' (14).



ICE1197

'Echo' and 'Room' functions can also be selected at this point.

Next, select the desired frequency band to be adjusted with the appropriate function key (13).



ICE1198

Press the function key (13) under (+/-), to adjust to the required level.

Press the 'Audio' button (5) to store the settings or the function key (13) below (to cancel your adjustment).

NOTE: If one of the spatial controls (ROOM, ECHO) is set to 0, the second will automatically also be set to zero.

As soon as you reset a memory which you have previously zeroed, the other one also returns to its previous setting. However, this is cancelled if you reset both controls to zero.

Switching off the DSP function

Press the 'DSP' button (6).
Press the function key (13) below 'OFF' (14).
Press the 'Audio' button (5) to exit the menu.

Key Memory - Memorising the settings

Each person using the car must have an ignition key of their own. For further notes on Key Memory, see the car's Owner's Handbook.

General Operation

CLOCK

(Vehicles NOT equipped with Satellite Navigation).

NOTE: For safety reasons, only make inputs while the vehicle is stationary.

To display time or date

Press the 'CLOCK' button (11).



ICE1292

The time can be displayed in 12 or 24 hour format and the date in imperial order.

To change the format, press the function key (13) below '12H' (14). (In 12-hour mode, AM or PM appears after the time).

To display date, press the function key (13) below 'DATE' (14).

Adjusting and setting the time

Press the 'CLOCK' button (11).

Press the function key (13) below 'SET' (14).

To adjust the time, press or hold down the function key (13) below 'HRS' or 'MINS' (14).

To set the time, press the function key (13) below 'SET' (14).

NOTE: When setting the time, this also adjusts the time displayed on the analogue clock.

Adjusting and setting the date

Press the 'CLOCK' button (11).

Press the function key (13) below 'DATE' (14) and then the function key (13) below 'SET' (14).

To adjust the date, press or hold down the function key (13) below 'DAY', 'MONTH' or 'YEAR' (14).

To set the date, press the function key (13) below 'SET' (14).

Reminder signal

An hourly reminder signal (MEMO), can be programmed, to alert you for example of news broadcasts.

Press the 'CLOCK' button (11).

To set the reminder signal, press the function key (13) below 'MEMO' or 'ON' (14).

The signal occurs 15 seconds before each hour.

Stopwatch

NOTE: The stopwatch functions are only available on vehicles **WITHOUT** an auxiliary heater.

Press the 'CLOCK' button (11).

Press the function key (13) below 'TIMER' (14).



ICE1293

To start the stopwatch function, press the function key (13) below 'SET' (14).

To take an intermediate time reading, press the function key (13) below 'TIMER' (14).

By pressing this button again, the stopwatch display can be seen counting up; the stopwatch continues to run.

To stop the stopwatch, press the function key (13) below 'SET' (14).

NOTE: The stopwatch is stopped when the ignition key is turned back to 0, but starts to run again when the ignition key is turned to 1.

General Operation

Entering switch-on times for auxiliary heater/independent ventilation control*

Two different switch-on times can be programmed. After 30 minutes, the heating and ventilation shut down automatically.

Press the 'CLOCK' button (11).

Press the function key (13) below '1 TIMER 2' (14). Press the function key (13) below 'SET' (14).



ICE1294

To input the switch-on time, press or hold down the function key (13) below 'HRS' or 'MINS' (14). To set the switch-on time, press the function key (13) below 'SET' (14).

The activated switch-on time is marked with an asterisk.



ICE1295

The switch-on times remain stored until cancelled by a new input.

Switch-on times can be amended by entering a new input time as above.

When the switch-on time is active, the LED (9) is illuminated.

During actual operation of the heating/ventilation, the LED (9) flashes.

When the system is switched off, the LED (9) goes out.

To activate/de-activate the switch-on time, press **TWICE** the function button (13) below '1 TIMER 2' (14).

Direct switching on/off of the auxiliary heater/independent ventilation control

Press the 'CLOCK' button (11).

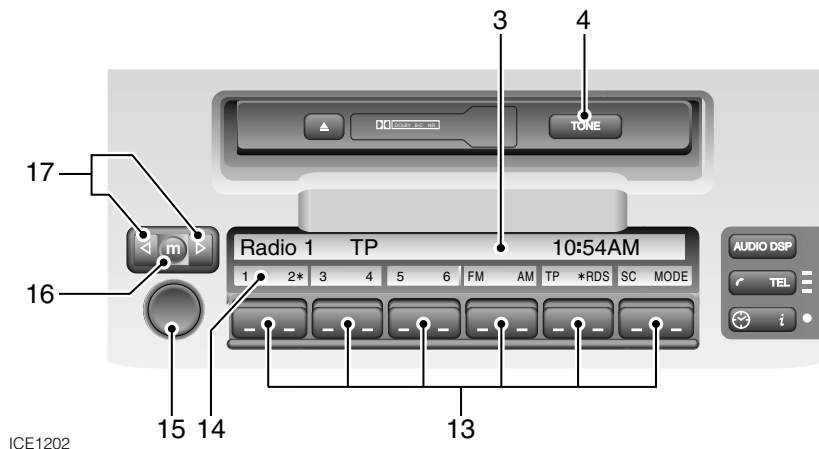
Press the function key (13) below 'HEAT' or 'ON' (14).

Alternatively, press the function key (13) below 'VENT' or 'OFF' (14).

NOTE: The auxiliary heater/ventilation function can only be accessed in ignition key position 1.

Radio Operation

RADIO CONTROLS



ICE1202

3. Display

Displays information on waveband, name of RDS stations, programme, frequency, DSP sound memory, cassette, MD and CD functions, tone settings, time and date.

4. TONE Button

Press to alter settings for: Tone, Speed dependent volume control, Volume of traffic reports, and Programme type display.

13. Function keys

Press to select functions from the display (14).

14. Function Key Display

Displays functions and options assigned to the Function keys (13). These vary according to the operating mode i.e radio, cassette, MD, CD, tone or computer.

15. On/Off/Volume - Rotary control

Press to turn on or turn off unit and rotate to adjust volume setting.

16. Manual Station selection Button

Press to enable a manual search of radio frequencies. The search is performed in pre-determined frequency steps. The direction of the search is dependent on which Station/Title/Search button (17) is subsequently pressed.

17. Station/Title/Search Buttons

Press to:

Search and select radio stations by frequency or by name.

Fast forward/rewind tape.

Music track search. (Cassette/MD/CD).

Radio Operation

Selecting Waveband

To select the required waveband, press the function key (13) below 'FM AM' (14).

NOTE: Each time AM is pressed, you switch between the LW and MW wavebands.

Selecting stations by frequency

Manual station selection

Press the manual station selection key (16).

'm' appears in the display (3) next to the frequency display or station name.

To adjust the frequency, press once or hold pressed in the station search key (17).

Each time the key is pressed, the frequency is changed by a predetermined amount.

Search for station (Search)

Press once or hold pressed in the station search key (17).

The search begins at the last selected frequency and stops as soon as a station is found.

Selecting stations by name

RDS - Radio Data System.

The limitations from which all non-stationary radio receivers suffer are compensated for in part by a variety of ingenious systems:

The Radio Data System (RDS) broadcasts additional information on the VHF (FM) waveband.

RDS stations therefore offer the following features:

- Where a radio station is broadcast on several frequencies, the set automatically switches to whichever frequency offers the best reception.
- Once the RDS signals have been processed, the station name appears in the display.
- Additional information can be shown or called up in the display (e.g announcements in text form broadcast by the station,PTY).

RDS data can, however, only be registered if reception conditions are good. Where reception is poor or in the event of interference, the station name may take some time to appear in the display.

To select station, switch on RDS by pressing the function key (13) below 'RDS' (14).

'*RDS' appears in the display (14) , together with the name of the current station if it broadcasts RDS information.

To start the search, press once or hold pressed in the station search key (17). The search begins from the station last selected. The search stops as soon as a station is found.

To switch off RDS, press the function key (13) below 'RDS' (14).

Sampling and selecting (Scan)

You can play a brief sample of all receivable stations.

Start sampling by pressing the function key (13) below 'SC' (14).

The display (3) shows the station currently selected.

To retain the station currently displayed, press the function key (13) below 'SC' (14) and the scan function is halted.

Programme type (PTY)

Further information can also be received via RDS. Certain stations broadcast details of the programme type (PTY), e.g news, sports, pop, culture, etc.

If reception is poor or if there is considerable interference, it may take some time for the PTY details to be available.

NOTE: PTY can also be used for disaster warnings. If the station is broadcasting this type of programme, 'ALARM' appears in the display.

Radio Operation

Calling up programme type

Switch on RDS if necessary by pressing the function key (13) below 'RDS' (14).

Next press the 'TONE' key (4) and keep pressed in until 'PTY' appears in the display (14).

Switch on PTY by pressing the function key (13) below 'PTY' (14).

Continue pressing this key until 'PTY AUTO' appears in the display (3).

To exit the function, press the function key (13) below 'MODE' (14).

Each time you tune to a different station, or if the type of programme being broadcast changes, the new details are automatically displayed (3) for a few seconds, e.g. 'CULTURE' for a cultural programme.

Switching off PTY

Press the 'TONE' key (4) and keep pressed in until a 'PTY' graphic appears in the display (14).

Switch off PTY by pressing the function key (13) below 'PTY' (14).



ICE1200

Alternatively, press the function key (13) below 'CLR' (14) to restore the default settings.

To exit the function, press the function key (13) below 'MODE' (14).

NOTE: When you use the CLR key to exit the function, as well as PTY being switched off, the SVOL and TP MIN functions are in addition reset to their default settings. (See 'Restoring the default settings').

Memorising and calling up stations

Memory locations

Your radio can memorise 42 stations:

- You can memorise 12 stations of your choice on the VHF (FM) waveband, and 6 stations of your choice on each of the MW and LW wavebands (keys 1-12 and 1-6 respectively), see 'memorising stations'.
- The radio in addition automatically memorises the 6 stations with the strongest reception signal on each of the VHF (FM), MW and LW wavebands. (keys A1-A6 see 'Automatic memorising').

The fact that there are various memory levels means that more than one station is stored on each function key.

Selecting waveband

Press the function key (13) below 'FM AM' (14). Each time you press the key, you switch between the FM (1-12) and FM (A1-A6) memory levels, or the MW (1-6), MW (A1-A6), LW (1-6) and LW (A1-A6) memory levels.

NOTE: Memory locations 1-12 on the VHF (FM) waveband are called up in two blocks. Keys 1-6 are accessed with the first press and keys 7-12 with the second press.

Memorising stations

Press the function key (13) below 'FM AM' (14). Each time you press the key, you change waveband within the FM and AM memory levels. Select station by frequency or name. (see previous).

Memorise stations by pressing the desired function key (1-6 or 7-12) at the left or right and hold it down until the station is broadcast again after a brief interruption. The station is now memorised.

The selected key number is identified by an asterisk *.

Radio Operation

If a station was already stored on that key, details of the previous station are displayed briefly, then the frequency of the new station or, if RDS is switched on, the name of the new station.

Calling up a station

To select a waveband press the function key (13) below 'FM AM' (14).

Each time you press the key, you can change the waveband within the FM and AM memory levels. Press the function key below the desired memorised station graphic. (1-6 or 7-12).

Automatic memorising

The automatic memorising feature (AUTOSTORE) is useful if, for example you would like to find whichever station currently offers the strongest reception signal when you are on a long journey.

On the FM, MW and LW (A1-A6) memory levels, the 6 stations with the strongest reception signals can be memorised automatically.

Hold in the function key (13) below 'FM AM' (14), the display (14) shows the 'AUTOSTORE' menu.



ICE1201

The radio automatically switches to the FM, MW or LW (A1-A6) memory level.

The 6 stations currently offering the strongest reception signals are automatically stored and the station that is stored under key A1 is broadcast.

NOTE: If you do not wish to use AUTOSTORE, you can store 6 further stations of your own choice on each of the FM, MW and LW (A1-A6) memory levels. (See 'Memory locations', page 12).

Traffic programmes (TP)

TP function

When the TP function (Traffic Program) is active, a station broadcasting traffic reports is selected in the following sequence:

- If a station broadcasting traffic information is received, you will hear its traffic reports.
- If your chosen station has no traffic reports, but comes from a transmitter group which does provide them, you will hear them from one of the related stations in the group.
- If the station to which you are tuned neither broadcasts traffic reports nor belongs to a group of stations with traffic report facilities, the next traffic report station will be found if a station search is activated.

Displays and signals

TP* The traffic program is switched on.

TP The traffic program is **not** switched on.

TP flashes. The station being received is not a traffic program station.

Switching traffic reports on/off

Press the function key (13) below 'TP' (14).

The selected sound source is interrupted for the duration of traffic reports.

Adjusting the volume of traffic reports

The function TP MIN allows you to set a minimum volume for traffic reports.

When the TP function is active, (See 'Displays and signals', page 13), you can select a volume stage between -9 and +9.

Stage 0 represents a moderate volume.

As the individual stages are fixed volumes, you will hear all traffic reports irrespective of how high or low the current volume setting for the selected sound source is.

Press and keep depressed the 'TONE' button (4). Press once or hold pressed in the function key (13) below 'TPMIN' (14) until the required volume level is obtained.

Radio Operation

Exit by pressing the function key (13) below 'MODE' (14).

NOTE: *The selected minimum volume is retained for all traffic reports.*

If you have selected a volume setting for the radio, cassette, MD or CD that is louder than the 'TP MIN' volume, the volume will remain unchanged when a traffic report is broadcast.

The volume of a traffic report can be adjusted individually with the volume rotary control (15).

You can, for instance, reduce it if the basic volume setting for the radio, cassette, MD or CD is very loud, or increase it if for example you have opened a window and the level of noise inside the car is very high.

Turn the volume rotary control (15) **during** traffic reports until the desired volume is obtained.

Regional stations

On FM (VHF), certain stations broadcast regional programmes either all day or at certain times of the day.

You can receive these programmes via the regional function.

Switch the regional programme on/off by pressing and holding the function key (13) below 'RDS' (14).

'REG ON' or 'REG OFF' appears in the display (3).

If you have switched on this function and the transmitter switches to a regional programme, the radio will automatically retain the regional programme you have selected.

Switching to MD, CD or Cassette

Press the function key below (13) 'MODE' (14) repeatedly until the display changes to the desired audio source (MD, CD or Cassette). If there is a MD, CD or Cassette in the unit, the audio source switches to:

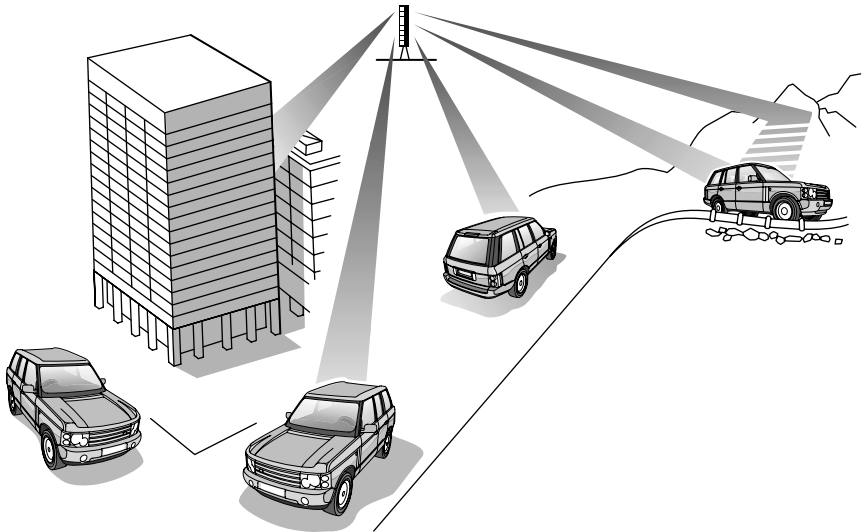
MD Replay. (See '*Starting and stopping an MD*', page 21).

CD Replay. (See '*Starting and stopping a CD*',

page 24).

Cassette Replay. (See '*Starting and stopping a Cassette*', page 17).

Radio Reception



ICE 0222

RADIO RECEPTION

Distortion, interference and lack of signal clarity, are often attributed to a fault in the radio - this is rarely the case.

Problems of this kind are usually caused by phenomena such as atmospheric conditions, signal strength, hilly terrain, tall buildings, bridges and even electrical interference from power lines.

Please remember: A car radio receives signals while the vehicle is in motion (unlike a domestic set) - constantly changing direction and moving away from, or nearer to, the transmitter whilst negotiating terrain with widely differing reception characteristics. Some interference is to be expected from time to time.

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, it may be necessary to re-tune the radio from time to time, to offset the effects of moving from one transmitter area to another.

While RDS automatic retuning eases this problem, some manual retuning may still be needed (especially for local stations) in areas of weak reception.

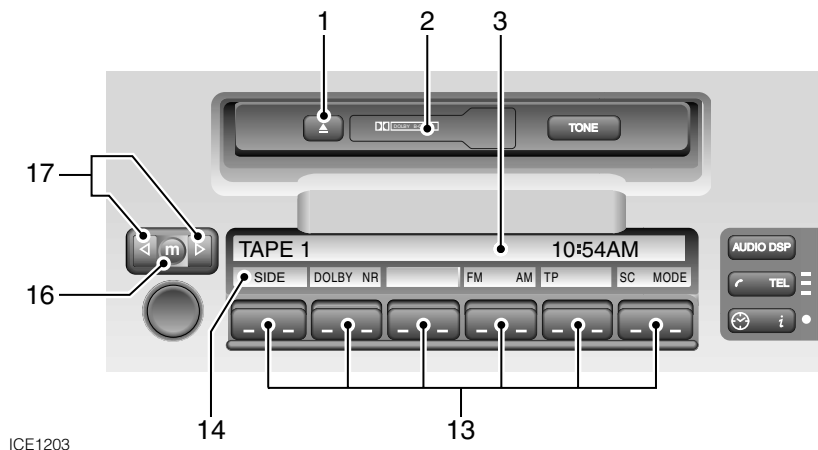
The broadcast range for good stereo reception (usually within a 50 to 65 km radius of the transmitter) is noticeably less than it is for mono.

FM Signals (like light waves) 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 which have been reflected by obstructions such as mountains, hills and tall buildings (this is known as multi-path distortion).

Cassette Player Operation

CASSETTE PLAYER CONTROLS



1. EJECT Button

Press to eject installed media, Cassette, MD or CD.

2. Media slot with dust flap

Insert media for playback into this slot.

3. Display

Displays information on waveband, name of RDS stations, programme, frequency, DSP sound memory, cassette, MD and CD functions, tone settings, time and date.

13. Function keys

Press to select functions from the display (14).

14. Function Key Display

Displays functions and options assigned to the Function keys (13). These vary according to the operating mode i.e radio, cassette, MD, CD, tone or computer.

16. Manual Station selection Button

Press to enable a manual search of radio frequencies. The search is performed in pre-determined frequency steps. The direction of the search is dependent on which Station/Title/Search button (17) is subsequently pressed.

17. Station/Title/Search Buttons

Press to:

Search and select radio stations by frequency or by name.

Fast forward/rewind tape.

Music track search. (Cassette/MD/CD).

Cassette Player Operation

Starting and stopping a Cassette

Starting

1. Switch unit on. (See 'Switch On/off', page 5).
2. Push the tape cassette fully into the slot (2) with the tape openings at the right.

The display (3) shows 'TAPE 1' and play commences.

If there is already a tape cassette in the slot (2): Press the function key (13) below 'MODE' (14) repeatedly until 'TAPE' appears in the display (3). Select the side (if necessary) by pressing the function key (13) below 'SIDE' (14).

Stopping

Press the cassette eject button (1).

The cassette is ejected a short way out of the tape slot (2) and the audio source switches to radio (FM).

Alternatively, switch off unit, (See 'Switch On/off', page 5) or switch to Radio or CD Changer.

Press the function key (13) below 'MODE' (14) repeatedly until 'RADIO' or 'CD' appears in the display (3).

The audio source switches directly to:

Radio. (See 'Selecting Waveband', page 11).

CD Changer, if a CD is inserted. (See 'Starting and stopping a CD', page 24).

Music track search

Fast forward/Rewind

Press the left or right arrow (17) key twice briefly or once for longer.

Alternatively, press the 'M' key (16) followed by the left or right arrow keys (17) dependant upon desired direction.

The tape switches automatically to the other side when the end is reached.

To interrupt the fast forward/rewind movement, press the left or right arrow key (17) or the 'M' key (16).

Alternatively, select a different function.

Music Search

Activate music search by pressing the left or right arrow key (17). The tape will be wound forwards/backwards until the next/previous track is detected. At the end of the tape, it switches automatically to the other side.

to interrupt the fast forward/rewind movement, press the left or right arrow key (17) or the 'M' key (16).

Alternatively, select a different function.

NOTE: The music search can only function if there are breaks of at least 4 seconds between the tracks on the tape.

Reminder displays

If reproduction is distorted, the cause is usually a tape which does not run freely.

If the tape in a cassette cannot be moved, the following appears in the display:



ICE11199

To avoid possible damage:

Press the cassette eject button (1) until the cassette is ejected, then immediately remove the cassette from the tape slot (2).

Turn one of the tape reels, e.g. with a ball pen or similar, to wind any loose tape back into the tape reels.

Insert the cassette in the tape slot (2) again and wind it fully forwards and back again to ensure that the tape is wound on the reels evenly.

If 'TAPE ERROR' appears in the display (3) again, do not use the cassette in question any longer.

Cassette Player Operation

Noise reduction**

Dolby B and C are noise reduction systems for cassette replay.

High frequencies are raised during recording and attenuated during replay.

As audio hiss consists mainly of high frequencies and occurs above all during replay, it is reduced in this way.

Switching Dolby on/off

NOTE: *Only switch this on if you are using cassettes recorded with Dolby B or Dolby C, as reproduction will otherwise sound dull.*

Press the function key (13) below 'DOLBY NR' (14) until the best reproduction quality is obtained.

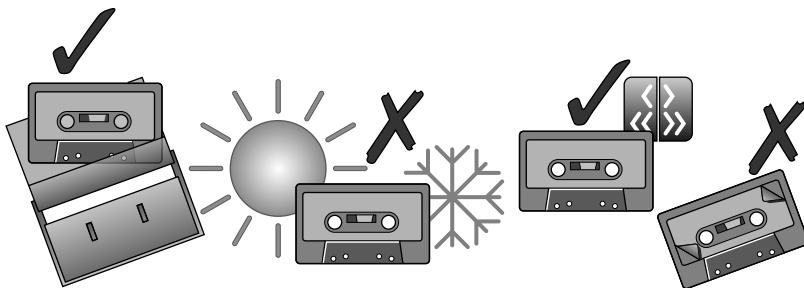
Pressing the key alternates between Dolby B, Dolby C and Dolby noise suppression system switched off.

The noise suppression mode selected is indicated in the display (3) by:
'DOLBY B NR', 'DOLBY C NR' or 'NR OFF'.

**Noise reduction manufactured under license.

Dolby and the 'DD' symbol are registered trade marks of Dolby Laboratories Licensing Corporation.

Care of Cassette Player and Tapes



ICE 0054

CARE OF CASSETTE PLAYER AND TAPES

Use only good quality tapes with a maximum capacity of ninety minutes (C90). Check that both spools rotate freely and remove any loose turns at the start of the tape by winding one spool with a pen or pencil.

Cassette player

In use, the tape head accumulates dust and contamination, gradually impairing sound reproduction and, in extreme cases, reducing volume too. To combat contamination, clean the tape head periodically (after approximately every 20 hours playing time) by passing a wet type cleaning cassette through the player.

NOTE: *Because your cassette player is fitted with auto reverse, the cleaning cassette must be played in both directions.*

The tape will require more frequent cleaning in winter, as contamination is greater in conditions of low temperature and increased humidity. However, the use of good quality tapes keeps the build up to a minimum.

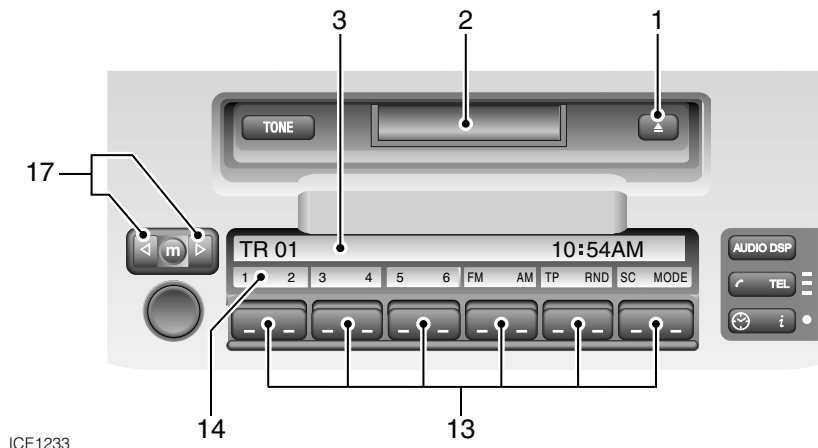
Cassette tapes

- Always store cassettes in their boxes when not in use.
- Never leave cassettes in the vehicle during extremes of temperature. In particular, do not leave tapes in direct sunlight as they may warp and become unusable, or jam the tape player mechanism.
- Fast forward, or rewind tapes every 8 to 10 plays to prevent them from becoming too tightly wound.
- Ensure that labels attached to the cassette are glued firmly in place.
- DO NOT leave tapes in the cassette player for more than a few hours in very cold or humid conditions - the oxides on the tape surface may contaminate the cassette player mechanism.

NOTE: *After continuous playing, cassettes may become hot to touch. This is normal and will not harm good quality tape.*

Minidisc Player Operation

MINIDISC PLAYER CONTROLS



1. EJECT Button

Press to eject installed media, Cassette, MD or CD.

2. Media slot with dust flap

Insert media for playback into this slot.

3. Display

Displays information on waveband, name of RDS stations, programme, frequency, DSP sound memory, cassette, MD and CD functions, tone settings, time and date.

13. Function keys

Press to select functions from the display (14).

14. Function Key Display

Displays functions and options assigned to the Function keys (13). These vary according to the operating mode i.e radio, cassette, MD, CD, tone or computer.

17. Station/Title/Search Buttons

Press to:

Search and select radio stations by frequency or by name.

Fast forward/rewind tape.

Music track search. (Cassette/MD/CD).

Minidisc Player Operation

Starting and stopping an MD

Starting

1. Switch unit on. (See 'Switch On/off', page 5).
2. Insert the MD in the MiniDisc slot (2) with the arrow upwards and pointing towards the player.

If there is already an MD in the MiniDisc slot (2): Start to play the disc by pressing the function key (13) below 'MODE' (14) until 'TR' appears in the display (3).



ICE1236

NOTE: As the player first needs to read in data from the MD, there is a slight delay before it starts to play.

Stopping

Press the MD eject button (1).

The MD is ejected a short way out of the MiniDisc slot (2) and the audio source switches to radio (FM)

or switch off the unit, (See 'Switch On/off', page 5) or switch to radio or CD Changer.

Press the function key (13) below 'MODE' (14) until the control line changes to the desired audio source (Radio or CD changer).

The audio source switches directly to:

Radio. (See 'Selecting Waveband', page 11).

CD Changer. (See 'Starting and stopping a CD', page 24).

Reminder Displays

NO DISC - The MiniDisc slot is empty.

MD ERROR - The MD cannot be read or is damaged.

Music track search

Track search

Select the direction by pressing the right or left arrow key (17) until the desired track is obtained. The MD starts to play from the selected track.

Fast forward/reverse

Select the direction by keeping depressed the right or left arrow key (17). The tracks can be heard, but the quality is distorted.

To interrupt Fast forward/Reverse, release the key. The MD starts to play from the selected point.

Sampling and selecting (Scan)

All tracks on the MD are automatically sampled briefly in succession.

Press the function key (13) below 'SC' (14) to start sampling.



ICE1237

To select a track, press the function key (13) below 'SC' (14).

The scan function is interrupted and the MD plays from the point reached.

Random Play

The tracks on the MD are played in an entirely random order.

Press the function key (13) below 'RND' (14) and the display (3) shows 'RND' and the number of the track on the MD.

NOTE: You can operate the buttons for skipping tracks and fast forward/rewind during random play.

This enables you to skip a track that you do not want to listen to.

Minidisc Player Operation

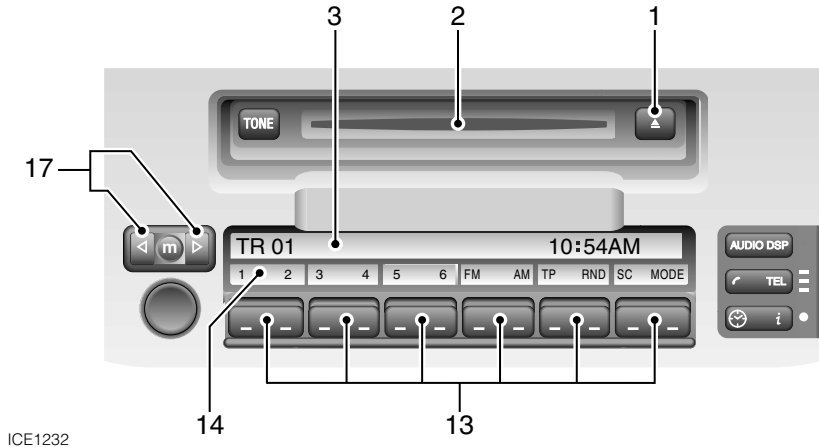
Stopping random play

Press the function key (13) below 'RND' (14).

The random play function is interrupted and the MD plays from the point reached.

Single CD Player Operation

SINGLE CD PLAYER CONTROLS



ICE1232

1. EJECT Button

Press to eject installed media, Cassette, MD or CD.

2. Media slot with dust flap

Insert media for playback into this slot.

3. Display

Displays information on waveband, name of RDS stations, programme, frequency, DSP sound memory, cassette, MD and CD functions, tone settings, time and date.

13. Function keys

Press to select functions from the display (14).

14. Function Key Display

Displays functions and options assigned to the Function keys (13). These vary according to the operating mode i.e radio, cassette, MD, CD, tone or computer.

17. Station/Title/Search Buttons

Press to:

Search and select radio stations by frequency or by name.

Fast forward/rewind tape.

Music track search. (Cassette/MD/CD).

Single CD Player Operation

Starting and stopping a CD

Starting

1. Switch unit on. (See 'Switch On/off', page 5).
2. Insert the CD into the CD slot (2) with the label side uppermost.

If there is already a CD in the slot (2):

Start to play the disc by pressing the function key (13) below 'MODE' (14) until 'TR' appears in the display (3).



ICE1236

Stopping

Press the CD eject button (1).

The CD is ejected a short way out of the CD slot (2) and the audio source switches to radio (FM) or switch off the unit, (See 'Switch On/off', page 5). or switch to radio or CD changer. Press the function key (13) below 'MODE' (14) until the control line changes to the desired audio source (Radio or CD Changer).

The audio source switches directly to:

Radio. (See 'Selecting Waveband', page 11).

CD changer. (See 'Starting and stopping a CD', page 24).

Reminder Displays

NO DISC - The CD slot is empty.

CD ERROR - The CD has been inserted upside down or is damaged.

Music track search

Track search

Select the direction by pressing the right or left arrow key (17) until the desired track is obtained.

The CD starts to play from the selected track.

Fast forward/reverse

Select the direction by keeping depressed the right or left arrow key (17). The tracks can be heard, but the quality is distorted.

To interrupt Fast forward/Reverse, release the key. The CD starts to play from the selected point.

Sampling and selecting (Scan)

All tracks on the CD are automatically sampled briefly in succession.

Press the function key (13) below 'SC' (14) to start sampling.



ICE1237

To select a track, press the function key (13) below 'SC' (14).

The scan function is interrupted and the CD plays from the point reached.

Random Play

The tracks on the CD are played in an entirely random order.

Press the function key (13) below 'RND' (14) and the display (3) shows 'RND' and the number of the track on the CD.

NOTE: You can operate the buttons for skipping tracks and fast forward/reverse during random play.

This enables you to skip a track that you do not want to listen to.

Stopping random play

Press the function key (13) below 'RND' (14).

The random play function is interrupted and the CD plays from the point reached.

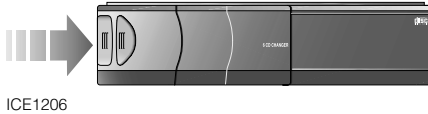
CD Changer Operation

Locating the CD Changer

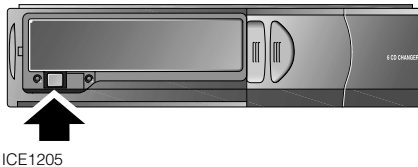
The CD changer for 6 CD's is installed in the glovebox compartment.

Removing the CD magazine

To load or empty it, the CD magazine has to be removed from the CD changer.



Slide the access panel to the right and press the magazine eject button.



The magazine will slide out and can then be removed.

Filling/Emptying the CD magazine

NOTE: When adding CD's to or removing them from the CD magazine, hold them only at the edge and do not touch the reflective sensing area.

The CD compartments in the changer have the same numbers as the CD selector buttons on the radio.

To load: Insert the CD into a compartment with the label side uppermost.

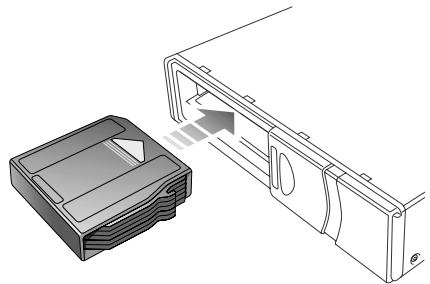


ICE1207

To empty: Pull out the appropriate holder as illustrated and remove the CD.

NOTE: You are recommended not to play CD singles with an adapter. The CD's or the adapter could jam in the CD changer. Suitable magazines for CD singles can be obtained from shops.

Inserting the CD magazine



ICE1208

Slide the access panel to the right and with the arrow pointing towards the CD changer, push the CD magazine fully in and close the access panel.

Operating temperatures

NOTE: Only use the CD changer at temperatures between -15 C and +60 C, otherwise it may malfunction.

CD Changer Operation

Even when switched off, the unit should not be exposed to temperatures beyond -25 C and +85C.

Atmospheric humidity

A high level of humidity inside the device may cause the laser beam focusing lens to fog over and prevent the CD from being played.

Precautions when using Laser equipment

The CD changer is officially designated a Class 1 laser product.

NOTE: *Do not remove the cover from the housing. Never run the device if its cover is damaged, otherwise the invisible laser beam could cause serious eye injuries. Repairs or maintenance work must only be carried out by qualified service experts.*

Starting and stopping a CD

Starting

Press the function key (13) below 'MODE' (14) repeatedly until the display (3) changes to the CD mode.



ICE1209

If replay was previously interrupted, it will begin playing again at the same point after a few seconds.

NOTE: *If the CD's in the magazine have been changed, the CD in the lowest compartment occupied starts to play first, e.g. CD1, Track 1.*

Stopping

Switch unit off, (See 'Switch On/off', page 5) or switch to radio, MD or cassette:

Press the function key (13) below 'MODE' (14) repeatedly until the control line changes to the desired audio source (radio, MD or cassette). The audio source switches directly to:
Radio. (See 'Selecting Waveband', page 11).
Cassette replay (If a cassette is inserted), See 'Starting and stopping a Cassette', page 17.
MD Replay (If an MD is inserted), See 'Starting and stopping an MD', page 21.

Reminder displays

NO DISCS - The magazine is empty.

NO MAGAZINE - No magazine has been inserted.

CD CHECK - The contents of the CD are still being read in.

HIGH TEMP - Operating temperature is too high. When the temperature drops to normal, replay will continue automatically.

Music track search

Selecting a CD

Press the key (13) below the desired CD number (14). (At the left or right).

The corresponding CD number is shown in the display (3).

Replay starts with the first track on the CD.

At the end of the final track, the next CD is selected and played.

Track search

Select the direction by pressing the right or left arrow key (17) until the desired track is obtained. The CD starts to play from the selected track.

Fast forward/Rewind

Select the direction by keeping depressed the right or left arrow key (17). The tracks can be heard, but the quality is distorted.

To interrupt Fast forward/Rewind, release the key. The CD starts to play from the selected point.

Sampling and selecting (Scan)

All tracks on the CD are automatically sampled briefly in succession.

CD Changer Operation

Press the function key (13) below 'SC' (14) to start sampling.



ICE1210

To select a track, press the function key (13) below 'SC' (14).

The scan function is interrupted and the CD plays from the point reached.

Random Play

The tracks on the CD are played in an entirely random order.

Press the function key (13) below 'RND' (14) and the display (3) shows 'RND' and the number of the track on the CD.

NOTE: You can operate the buttons for skipping tracks and fast forward/rewind during random play.

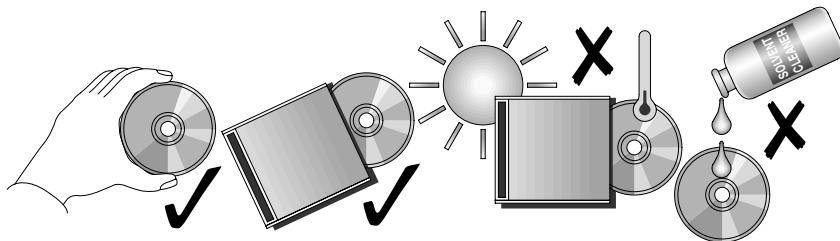
This enables you to skip a track that you do not want to listen to.

Stopping random play

Press the function key (13) below 'RND' (14).

The random play function is interrupted and the CD plays from the point reached.

Caring for Compact and MiniDiscs



ICE 0022

CARING FOR COMPACT AND MINIDISCS

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

NEVER touch the horizontal 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 boxes after use (dirt detracts from the sound quality).

NEVER leave the disc or the box 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!

NEVER place Minidiscs near magnetic fields such as loudspeakers.

Computer Functions

COMPUTER FUNCTIONS*

Selecting units of measurement

NOTE: For safety reasons, only make inputs while the vehicle is stationary.

The computer calculates and memorises data from the start of the journey onwards. Information can be displayed either in metric or imperial units of measurement.

Press the 'COMPUTER INFORMATION' button (10).

Press the function key (13) below 'MLS' or 'KMS' (14) to select the desired measurement units.

Speed limit

In this function, a signal can be programmed to alert the driver (both audible and visual) when the preset speed has been exceeded.

The speed limit reminder is only repeated if the vehicle has in the meantime been driven at least 3 mph/5 km/h slower.

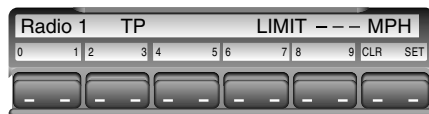
Adjusting and setting the speed limit

Press the 'COMPUTER INFORMATION' button (10).

Press the function key (13) below 'LIMIT' (14).

Press the function key (13) below 'SET' (14).

To input the desired speed limit, press the function keys (13) below the required digits (14).



ICE1296

To adjust or correct the setting, press the function key (13) below 'CLR' (14) and repeat the above process.

To store the speed limit value, press the function key (13) below 'SET' (14).

As an alternative to the above method for setting the speed limit, it is possible to store the actual 'Real time' speed directly into the unit.

Press the 'COMPUTER INFORMATION' button (10).

Press the function key (13) below 'LIMIT' (14).

To store the speed limit value, press **TWICE** the function key (13) below 'SET' (14).

De-activating the speed limit

Press the 'COMPUTER INFORMATION' button (10).

Press the function key (13) below 'LIMIT' (14).

The 'LIMIT' display disappears, but the stored value can be re-activated by pressing the function key (13) below 'LIMIT' (14).

Distance from destination

If before starting your journey, the overall trip distance is input, then the remaining trip distance is displayed.

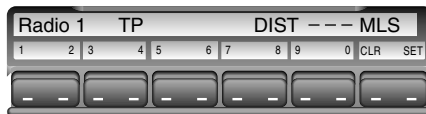
Adjusting and setting distances

Press the 'COMPUTER INFORMATION' button (10).

Press the function key (13) below 'DIST' (14).

Press the function key (13) below 'SET' (14).

To input the desired distance, press the function keys (13) below the required digits (14).



ICE1297

To adjust or correct the setting, press the function key (13) below 'CLR' (14) and repeat the above process.

To store the distance value, press the function key (13) below 'SET' (14).

It is possible to check the stored value at any time.

Press the 'COMPUTER INFORMATION' button (10).

Press the function key (13) below 'DIST' (14).

Computer Functions

Estimated time of arrival

When the overall trip distance is input, an estimated time of arrival at your destination can be displayed. This estimate is continuously updated by the computer as your journey progresses.

To display the estimated time of arrival, press the 'COMPUTER INFORMATION' button (10). Press the function key (13) below 'ARR' (14).

Range

The distance which the vehicle should cover on the remaining fuel in the tank can be displayed. To display the probable range, press the 'COMPUTER INFORMATION' button (10).

NOTE: If the range falls below 50km (approx. 30 miles), add fuel to the tank to avoid the risk of damage to the engine or catalytic converter. The computer only registers **added** fuel in excess of 6 litres (1.3 imperial gallons).

Fuel consumption

The average fuel consumption can be calculated and displayed for two different distances. e.g for a complete journey and part of that journey.

With the engine running, press the 'COMPUTER INFORMATION' button (10).

Press either end of the function key (13) below '1 CONSUM 2' (14).

The average fuel consumption over distance 1 or 2 (whichever is selected) is displayed.

To restart the fuel consumption calculation, press either end of the function key (13) below '1 CONSUM 2' (14).

Press the function key (13) below 'SET' (14).

Speed

The average speed of the vehicle can be calculated and displayed.

With the engine running, press the 'COMPUTER INFORMATION' button (10).

To display the average speed, press the function key (13) below 'SPEED' (14).

To recalculate the average speed, press the function key (13) below 'SET' (14).

Extended immobiliser function

With the ignition key in position 1 or 2, a code can be entered which must be input on future occasions before the engine can be started. If you do not have access to the code, the emergency de-activation procedure will have to be carried out.

Selecting and activating the code

Press the 'COMPUTER INFORMATION' button (10).

Press the function key (13) below 'CODE' (14). Enter the required number by pressing the function key (13) below the digits (14).



ICE1298

To correct or store the entry

To correct the entry, press the function key (13) below 'CLR' (14) and repeat the input.

To store the input, press the function key (13) below 'SET' (14), then return the ignition key to position 0.

De-activating the code

When prompted to enter the code (ignition key in position 1 or 2), input the figures using the function key (13) below the required digits (14). Press the function key (13) below 'SET' (14). After the code has been input correctly and confirmed with 'SET', the time display appears.

After three incorrect code inputs, or three attempts to start the engine without a code input, the alarm will sound for 30 seconds on vehicles fitted with an alarm.

Computer Functions

Remote control

The silver button at the end of the direction indicator stalk can be used to select the items of the computer information which are to be displayed.

1. Press the silver button at the end of the direction indicator stalk until the display shows 'PROG 1'.
2. Press the function keys (13) in the order in which the computer functions are to be displayed.

Each time a computer function is stored, the program number appears on the display.

To terminate the selection procedure, press the function key (13) below 'SET' (14).

To have all the available information displayed:

1. Press the silver button at the end of the direction indicator stalk until the display shows 'PROG 1'.
2. Press the function key (13) below 'SET' (14).

To display individual items of computer information, press the silver button at the end of the direction indicator stalk as required.

Telephone Operation

TELEPHONE OPERATION*

The telephone can be operated via this unit with the ignition at position 1.

The following telephone functions can be performed via this unit.

- Accepting a call.
- Emergency call.
- One - touch dialling.
- Dialling entered phone number.
- Dialling by name.
- Repeating last number dialled.
- Cancelling dialling.
- Read SMS messages.
- Notepad.
- Changing volume of hands - free unit.
- Locating and dialling entry in phone book.
- Reception level.

NOTE: These functions will operate, providing that the relevant items have been stored in the telephone using the handset or the necessary functions have been activated.

Activating telephone operation

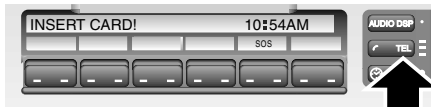
Press the 'TEL' button (7).

Depending on the symbols displayed, either insert the card into the handset or enter the code.

Emergency call

It is possible to make an emergency call in the GSM network without having entered the SIM card or code.

Press the 'TEL' button (7).



ICE1299

Press the function key (13) below 'SOS' (14). To connect the call, press the 'SEND/END' button (12) and press again to terminate the call.

Entering your PIN code

When the system is turned on, your PIN number will be required to be entered.

(PIN = Personal Identification Number).

To enter the digits of your PIN code, press the function key (13) below the required digit (14).



ICE1300

Press the function key (13) below 'CLR' (14) to correct an entry, or 'SET' (14) to confirm.

Dialling by name

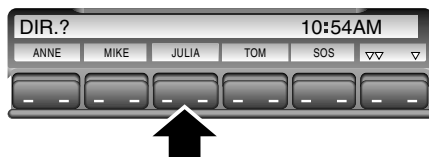
Press the 'TEL' button (7).



ICE1301

Assuming the relevant names with their numbers have been stored on the SIM card, press the function key (13) below 'DIR' (14). Press the function button (13) below the required name (14).

Telephone Operation



ICE1302

The names are ordered alphabetically.
To view further names, press the left or right search arrow buttons (17).
To connect the call, press the 'SEND/END' button (12) and press again to terminate the call.

Dialling via the TOP-8 function

This function allows the 8 most frequently used phone numbers or names to be recalled.
This can be done once these have been stored on the SIM card and they have been called at some point previously.

Press the 'TEL' button (7).

If names are displayed (max. 4 at a time), they are ordered alphabetically.

To view further names, press the left or right search arrow buttons (17).

To call up further functions, press the function key (13) below either of the arrow symbols (14).



ICE1303

NOTE: If a name or number has not been called recently, it will be deleted from the TOP-8 list. This requires the name or number to be dialled using one of the alternative methods listed.

One-touch dialling

Press the 'TEL' button (7).

If phone calls have previously been made using the names or phone numbers from the SIM card, a display similar to that below will be shown.



ICE1304

Press the function key (13) below the single arrow (14).



ICE1305

NOTE: It is necessary to have stored the corresponding names and phone numbers on the SIM card. The one-touch dialling number is identical to the memory location.

To enter a one-touch dialling number

Press the function key (13) below 'MEMORY' (14).



ICE1306

Enter the required one-touch dialling number by pressing the function key (13) below the digits (14).

To correct the entry

Press the left or right search arrow buttons (17) and continue or overwrite the digits.

Telephone Operation

To recall a one-touch dialling number using the search buttons

Press the left or right search arrow buttons (17).
If no name is found at the one-touch dialling number recalled, the following is displayed:



ICE1307

Dialling by phone number

Press the 'TEL' button (7).
Press the function key (13) below 'DIAL' (14).
Enter the required number by pressing the function key (13) below the digits (14).



ICE1308

To correct the entry

To delete one digit at a time, briefly press the function key (13) below 'CLR' (14) and to delete the entire number, keep this key depressed.

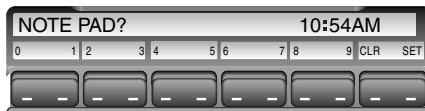
To recall a phone number using the search buttons

Press the left or right search arrow buttons (17).
The search buttons can be used to display the last 10 numbers dialled and dial one of them.

Notepad function

This function can be used to enter a new number to the notepad memory during a phone call.
If desired, this number can then be stored on the SIM card.

Press the 'TEL' button (7).
Press the function key (13) below 'NOTEPAD' (14).



ICE1309

Enter the required number by pressing the function key (13) below the digits (14).

To correct or store the entry

To delete one digit at a time, briefly press the function key (13) below 'CLR' (14) and to delete the entire number, keep this key depressed.
To store the number, press the function key (13) below 'SET' (14).

To call the phone number from notepad

Press the function key (13) below 'NOTEPAD' (14).
To connect the call, press the 'SEND/END' button (12) and press again to terminate the call.

Additional functions

The following additional functions can be accessed from all telephone functions:

- Reception level.
- Reading SMS messages.

Reception level

Press the 'TEL' button (7).



ICE1310

Press the function key (13) below the double arrow symbol (14).

Telephone Operation



ICE1311

NOTE: The reception signal is always displayed first after a number has been dialled.

Reading SMS messages

Press the function key (13) below 'SMS' (14).



ICE1312

The function key display (14) shows stored message locations.

The asterisk symbol (*) indicates messages that have not been read.

If more than 10 messages are stored, these can be accessed by pressing the left or right search arrow buttons (17).

To read a specific message, press the function key (13) below the required digit (14).

To read the next line of text, press the right search arrow button (17).

To read the previous line of text, press the left search arrow button (17).

To display the message overview, press the function key (13) below the single arrow symbol (14).

Calling the sender back

While the SMS message is displayed, press the 'SEND/END' button (12) to dial the message sender.

Deleting a message

Press and keep depressed for more than 3 seconds the function key (13) below 'CLR' (14).

The message displayed will be deleted.

Voice Recognition

Important information

Voice control enables you to activate important functions of the car telephone and navigation systems without the need to operate the controls manually. This enables you to concentrate fully on driving the vehicle, you do not need to divert your eyes from the road ahead in order to check read-outs, and the voice control system feeds back information to you.

A number of voice commands are available and, with a little experience, you will find them easy and convenient to use. Whenever you issue one of the defined commands with the system active, the voice control system converts your command into a control signal for the telephone or navigation system. The system automatically recognises whether your command is directed at the telephone or navigation system. Your inputs take the form of dialogues or commands. You are guided through these dialogues by announcements or questions.

Please familiarise yourself with the functions of the car telephone and navigation system, if fitted, before using voice control.

WARNING:

Do not use the voice control for placing emergency calls. Your voice and tone could be affected by stressful situations as a result of which, the process of establishing the telephone connection could be unnecessarily delayed.

You are urged to use the handset or the multi-functional steering wheel or on-board computer if a number for emergency calls is stored in these systems.

Making yourself clearly understood

The voice control system includes a special hands-free microphone mounted in the roof lining of your vehicle, at the front. This microphone filters out ambient noise. There are nevertheless a few points to observe in making sure you are properly understood:

- Speak continuously and at normal volume, avoiding unnatural emphasis and pauses between words.
- Do not speak while the voice control system itself is giving an output.
- It is possible that noise interference from outside the vehicle could affect commands so to avoid this keep doors, windows and the sunroof closed.
- Avoid causing background noise in the vehicle while you are speaking and ask your passengers not to talk while you are issuing voice commands.
- The hands-free microphone is positioned to pick up the driver's voice. Other occupants of the vehicle could be understood with less accuracy and are therefore, advised to use the handset when making a telephone call.

NOTE: *The voice recognition directory is separate to the SIM card directory.*

Voice Recognition

Defined voice commands

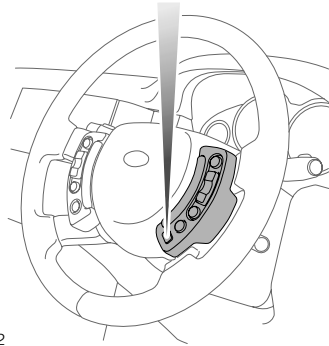
The voice control system understands around 50 predefined commands which need to be given **exactly**, word for word.

You can prompt the system to speak a selection of these commands by activating the system and giving the command 'Help'. These commands are as follows:

Telephone commands

- Dial number/Dial telephone number
- Dial/Redial
- Correction
- Delete
- Cancel
- Dial name
- Store name
- Save
- Delete name
- Read phone book
- Clear phone book
- Record/Record note/make a note
- Read note/Read notepad
- Delete note/Clear notepad

Activating the system



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To switch on voice control, press the voice control key (arrowed) in the multi-functional steering wheel:

- Hold the key pressed in (until the acoustic signal is heard) to activate voice control. A brief acoustic signal and the display 'VOICE RECOGNITION' in the main message centre indicate that the system is now in the stand-by mode.
- Press this key **briefly** to activate normal telephone functions, which are described in the Telephone Handbook.

Before giving a new voice command - except during a dialogue - always press the steering wheel voice control key.

Interrupting voice control

A command can be interrupted by speaking the word 'cancel' or by pressing the steering wheel voice control key until the system responds by saying 'cancelled'.

Voice Recognition

It is only possible to interrupt dialogues, in which it is possible to speak a text of your choice (name, notes) by pressing the steering wheel key.

If you receive a telephone call while conducting a dialogue by voice control, the telephone mode automatically cuts in. The system gives the output 'Cancel' and 'INPUT CANCELLED' appears in the instrument pack message centre.

Voice Recognition

DIALLING A PHONE NUMBER

Starting a dialogue

NOTE: *The voice control commands you should give are shown inside double pointed brackets >>...<< and the responses by the voice recognition system in single pointed brackets >...<.*

Hold the key in the multi-functional steering wheel pressed in until the acoustic signal is heard.

The commands

>>Dial telephone number<<
or

>>Dial number<<
start the dialogue for establishing a telephone connection. You are guided through this process by a predefined dialogue.

Saying numbers

The system understands single digits from zero to nine. You can choose to say either
>>Zero<<
or
>>Nought<<.

Numbers such as ten, eleven, twelve etc. are not recognised.

To speed up input it is a good idea to group together between three and five digits into a continuous string. However, you can also say each digit individually, or all digits continuously.

NOTE: *Telephone numbers of up to 20 digits are acknowledged. If a longer number is given, the following error message will be issued:
>The number is full<.*

Establishing a connection

The commands

>>Dial number<<
or

>>Dial<<
terminate input of the digits and a connection is established with the telephone number displayed. Any audio sources in the vehicle are muted.

NOTE: *To make a foreign phone call say
>>Plus<< followed by the country code. For example to make a phone call to Germany say
>>Plus, four, nine<< then omit the initial zero from the from the area code.*

You say	Voice output	Display output
>>Dial (telephone) number<<	>Please speak the number<	SPEAK NUMBER
>>Zero, eight, nine<<	>Zero, eight, nine, continue?<	TEL 089
>>Three, eight, two, four<<	>Three, eight, two, four, continue?<	TEL 0893824
>>One, six, eight<<	>One, six, eight, continue?<	TEL 0893824168
>>Dial (number)<<	>The number is being dialled<	TEL 0893824168

Voice Recognition

Correcting inputs

If you have made a mistake or if the voice control has misunderstood you say:

>>Correction<<

to repeat the last block of digits.

After the command >>Correction<<, the system repeats the digits that were entered correctly up to that point.

The command >>Correction<< can be repeated as often as necessary. To correct an error in the last but one block of digits, issue the command >>Correction<< twice in quick succession without saying a digit between the two commands

Deleting inputs

>>Delete<<

or

>>Delete number<<

does not merely delete the last block of digits, in contrast to >>Correction<<; it deletes all digits that have so far been entered. It is then necessary to enter the digits again from the very beginning.

Interrupting

>>Cancel<<

terminates voice input at any point of the dialogue. If a telephone connection has already been established, it can be ended by holding the steering wheel key.

You say	Voice output	Display output
>>Dial (telephone) number<<	>Please speak the number<	SPEAK NUMBER
>>Zero, eight, nine<<	>Zero, eight, nine, continue?<	TEL 089
>>Three, eight, two<<	>Three, eight, two, continue?<	TEL 089382
>>Four, one, six<<	>Four, one, six, continue?<	TEL 089382416
>>Correction<<	>Zero, eight...eight, two, continue?<<	TEL 089382
>>Correction<<	>Zero, eight, nine, continue?	TEL 089
>>Delete (number)<<	>Please speak the number<	SPEAK NUMBER

Voice Recognition

STORING AND DELETING A TELEPHONE NUMBER

Storing a telephone number

Telephone numbers which you dial frequently can be stored in conjunction with the contact's name, which serves as the word search.

>>Store name<<

calls up the dialogue for storing a name. To ensure that the name is recognised reliably when recalled, you are requested to speak it twice. You are then asked to give the number. The same rules as for the >>Dial (telephone) number<< command apply.

NOTE: *The Voice Recognition directory is separate from the SIM card directory.*

The command

>>Save<<

enters the displayed telephone number in the memory, together with the name you have given as the search word.

The time taken to say the names in your voice control phone book may not exceed 2.5 seconds.

If possible, keep names acoustically distinct from one another, for example, "Royd Andrew" and "Royle David" instead of "Mr Royd" and "Mr Royle". This will improve recognition when you make a call.

Depending on the spoken length of the names and numbers you have entered, it is possible to store approximately 50 entries.

You say	Voice output	Display output
>>Store name<<	>Please speak the name<	SPEAK NAME
>>Royd Andrew<<	>Please repeat<	REPEAT NAME
>>Royd Andrew<<	>Please speak the number<	SPEAK NUMBER
>>Zero, eight, nine, three, eight<<	>Zero, eight, nine, three, eight, continue?<	TEL 08938
>>Two, four, one, six, eight<<	>Two, four, one, six, eight continue?<<	TEL 0893824168
>>Save<<	>The name is stored<	NAME STORED

Voice Recognition

Deleting a memory entry

The command

>>Delete name<<

deletes an entry from your voice control phone book. You are then asked to give the name for the telephone number which you wish to delete.

Deleting all memory entries

The command

>>Clear phone book<<

deletes all entries in your phone book.

It is not possible to alter the name or number of an individual entry stored in the phone book. Instead, delete the incorrect entry and re-enter in its correct form.

The names and telephone numbers entered in your voice control phone book are independent of the telephone or SIM card memory of your vehicle phone. In other words, it is not possible to recall the numbers stored in the telephone itself or on the SIM card by voice input, nor is it possible to store numbers there by voice input.

Deleting an individual telephone number

You say	Voice output	Display output
>>Delete name<<	>Please speak the name<	SPEAK NAME
>>Royd Andrew<<	>Royd Andrew, would you like to delete the name?<	TEL 0893824168
>>Yes<<	>Name deleted<	NAME DELETED

Clearing the entire phone book

You say	Voice output	Display output
>>Clear phone book<<	>Do you want to clear the phone book?<	CLEAR PHONE BOOK
>>Yes<<	>Are you sure?<<	CLEAR PHONE BOOK
>>Yes<<	>The phone book is cleared<	PHONE BOOK CLEARED

Voice Recognition

Dialling a telephone number

The command

>>Dial name<<

activates the telephone number memory.

When prompted by the voice control system, speak the name under which you have stored the telephone number you want.

The voice control system will understand most accurately the person who originally stored the entry.

Dialling a telephone number in memory

You say	Voice output	Display output
>>Dial name<<	>Please speak the name<	SPEAK NAME
>>Royd Andrew<<	>Royd Andrew, is that correct?<	TEL 0893824168
>>Yes<<	>The number is being dialled<	TEL 0893824168

Voice Recognition

Reading out the phone book

The command

>>Read phone book<<

enables you to have all entries in your voice control phone book read out in order.

To dial a telephone number that has been read out, give the command

>>Dial number<< or >>Dial<<

immediately after the voice control has read out the number you want.

Re-dialling

The command

>>Redial<<

dials the telephone number last used.

Dialling from the phone book

You say	Voice output	Display output
>>Read phone book<<	Reads out the entries	(Display numbers)
>>Dial number<<	>The number is being dialled<	(Display number dialled)

Redialling the last number used

You say	Voice output	Display output
>>Redial<<	>The number is being dialled<	(Display number dialled)

Voice Recognition

RECORDING A NOTE

Your speaking notepad

Following the command

>>Record<<

>>Record note<<

or

>>Make a note<<

you can record spoken text for a total of about five minutes, either as individual passages or continuously.

To end recording, hold the multi-function button pressed in.

When recording notes, the voice control ignores the >>Cancel<< command.

In this instance, the function which identifies the command words is deactivated to enable you a free choice of vocabulary in your notes. In other words, command words do not have to be avoided.

Recording spoken notes

You say	Voice output	Display output
>>Record (make a) (note)<<	(Acoustic signal)	RECORD NOTE
(Speak your text)	-	RECORD NOTE
Hold pressed in	>End<	END OF NOTE

Voice Recognition

LISTENING TO AND DELETING A NOTE

Notepad

Recorded notes are recalled with the command

>>Read note<<

or

>>Read notepad<<

They are played back in the order in which they were recorded.

Clearing the notepad

The command

>>Delete notepad<<

or

>>Clear notepad<<

clears the entire notepad. It is not possible to delete individual entries.

Listening to spoken notes

You say	Voice output	Display output
>>Read note<< or >>Read notepad<<	(Reads out all notes)	READ NOTE
Hold pressed in	>End of notepad<	END OF NOTE

Deleting spoken notes

You say	Voice output	Display output
>>Delete notepad<< or >>Clear notepad<<	>Do you want to clear the notepad?<	CLEAR NOTEPAD
>>Yes<<	>The notepad is cleared<	NOTEPAD CLEARED

Voice Recognition

GENERAL COMMANDS

Adjusting the volume

The commands

>>Volume up<<

or

>>Volume down<<

adjust the volume of the speech output.

By repeating the command

>>Volume up<<

or

>>Volume down<<

the volume is raised or lowered in predefined increments.

Activating the user help function

The command

>>Help<<

calls up a list of telephone commands in spoken form.

Command not recognised

If a command is not recognised by the speech recognition system, it responds with

>Sorry<.

Please say your command again.

Adjusting the volume

You say	Voice output	Display output
>>Volume up<<	-	Volume - +
>>Volume down<<	-	Volume - +

Activating user help function

You say	Voice output	Display output
>>Help<<	>(Reads out the telephone commands)<	HELP

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 O) which received their type approval after 1st January 1996.



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