RANGE ROVER

Audio, TV & Navigation

RANGE ROVER

Audio, TV & Navigation System

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Audio, TV & Navigation System Handbook

For your convenience, this handbook is divided into sections, each dealing with a different aspect of the Audio, TV and Navigation System. These are listed on the contents page and you will find it worthwhile to take a little time in reading each section relevant to your specification.

The specification of each vehicle and MAP CD will vary according to territorial requirements and also to personnal specifications. 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.

Contents

Contents

Introduction

AUDIO, TV & NAVIGATION SYSTEM

The computer system offers many functions which will make your journeys safer and more of a pleasure.

Your computer system has the following equipment specification:

1. Radio with cassette player.
2. Television.
3. GPS navigation.
4. On-board computer.
5. Code for engine interlock.

Radio, cassette player, television and navigation operation are described in this Handbook in later chapters.

Further equipment which can be specified:

1. Car telephone.
2. CD changer.
3. Digital Sound Processing (DSP) sound system.
4. Auxiliary fuel-burning heater/independent ventilation control.

If your vehicle is fitted with a multifunction steering wheel, the controls on the wheel can also be used to operate the radio, the CD changer and the telephone.

The radio and cassette player and CD players ensure the best possible signal reception and choice of audio entertainment. The DSP sound system transports you to concert hall, jazz club or cathedral and takes the monotony out of even the longest journey.

TV with teletext ensures a supply of topical information and provides in-car entertainment while you are waiting.

GPS navigation negates the need to consult printed maps or to search for road signs; it brings you accurately to any destination stored on the map CD.

The on-board computer calculates data relevant to the journey, from average fuel consumption and range to estimated time of arrival. It also provides a warning if you have preset a speed limit which is then exceeded.

An individual code number can be entered as an additional safeguard against theft of your vehicle.

A GSM car phone means that you can always be contacted and make outgoing phone calls.

The vehicle's auxiliary fuel-burning heater and independent ventilation control systems ensure that a pleasant interior climate always awaits you when you enter the vehicle.

Monitor screen cleaning

Clean the screen only with a slightly moistened cloth.

NOTE: Do not use chemical agents or any domestic cleaning products as these could damage the screen.
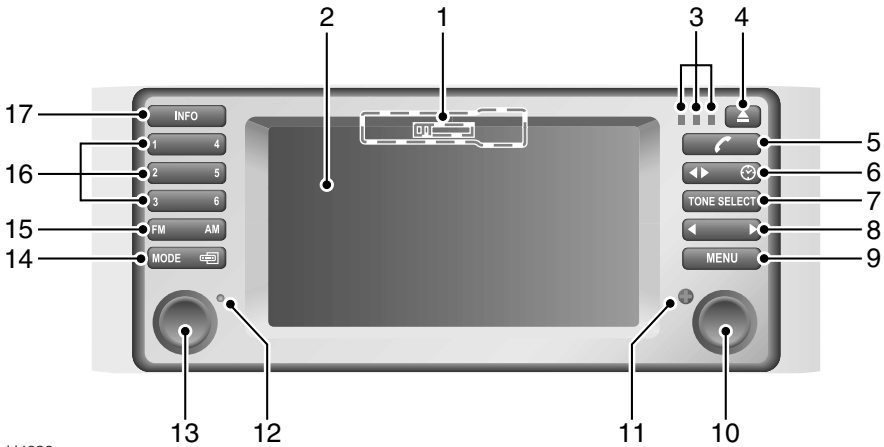
Getting started
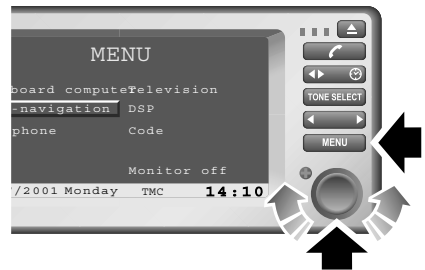
H4099

To select the general menu, press the MENU button (9) on the control panel.

Turn the right rotary control (10) to select a function or setting, or to enter a value.

Press the right rotary control (10) to confirm the selection.

To exit from the computer, press the MENU button (9).

On-Board Computer

H4098

CONTROL PANEL

1. **Cassette tape slot** (access behind display panel).
2. **Display**
3. **Phone operation lights**
4. **Open/close display panel**
   Press to open the display panel for access to the cassette tape slot (1).
   Press again to close the panel.
5. **Telephone functions button**
   Press to call an entered phone number.
   Press to end a call.
6. **Cassette track select or independent ventilation control time button**
   Press the arrows to select cassette track
   Press clock icon to select independent ventilation off.
7. **TONE/SELECT button**
   Press **TONE** to change bass/treble/fader/balance.
   Press **SELECT** to enter the radio search function or, in cassette mode, to change the Dolby function.
8. **Search button**
   In radio, cassette or CD modes.

9. **MENU button**
   Press to obtain the general menu and also to return to the menu from a system feature.
10. **Right rotary control**
    Turn to select a menu item, press to confirm selection.
11. **Auxiliary heater or independent ventilation warning light**.
12. **Radio light**
    Indicates that the radio has been turned on.
13. **Left rotary control**
    Press to switch radio on or off.
    Turn to adjust volume.
14. **MODE button**
    Each time the mode button is pressed, the mode switches between radio, cassette and CD. The tape icon button switches between radio, tape or CD and the on-board computer system that is active.
15. **FM/AM select button**
16. **Station/CD buttons**
    Press to select a pre-set radio station, or select a CD in the autochanger.
17. **INFO** button
    Activates RDS and TP functions.

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ON-BOARD COMPUTER

The on-board computer must be selected from the general menu before you can carry out any of the on-board computer functions.

On-board computer functions

In addition to those functions shown, your on-board computer has the following functions:

- Speed limit notification.
- Range.
- Distance.
- Arrival time.
- Outside temperature.
- Fuel consumption.
- Stopwatch.
- Speed.
- Remote control.
- Code interlock.
- Auxiliary fuel-burning heater/independent ventilation control.

WARNING: Perform all inputs while the vehicle is stationary. The vehicle and occupants could be placed in danger if the driver's concentration is not focused on the road conditions.

Speed limit notification

You can make a decision on what is your preferred top speed limit, depending on road conditions and legal requirements.

For example, you may decide that your maximum speed on a UK motorway is 70 miles per hour and therefore want audible and visual signals when this speed is exceeded.
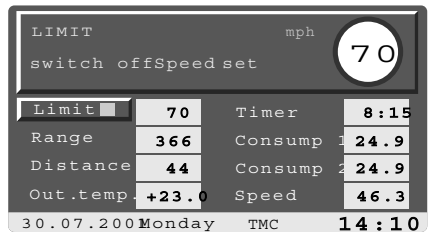
The following is a proceedure describing how to achieve this example.
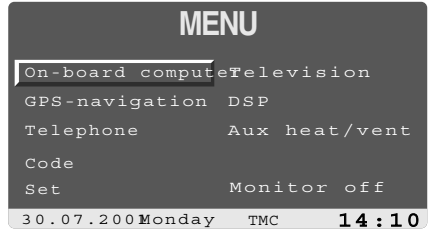
H4111

- Press the MENU button (9) to see the general menu screen.
- Turn the right rotary control (10) until 'On-board computer' is highlighted.
- Press the right rotary control (10) to select it.

To set the speed limit notification:

H4113

- Turn the right rotary control (10) until 'Limit' is highlighted.
- Press the right rotary control (10) to enable inputs to be made.

To enter the required speed limit:

- Turn the right rotary control (10) until 'Set' is highlighted.
- Press the right rotary control (10) to begin making inputs.
- Turn (10) until the desired speed is displayed.
- Press the right rotary control (10) to memorise this value.
  A green rectangle lights up next to the word 'Limit'.

To store the actual speed as your limit value.

- Select 'Limit'.
- Select 'Speed'.

When the limit is reached:

1. The warning signal is heard.
2. The rectangle next to the word 'Limit' turns red.
3. The selected speed limit is shown briefly on the instrument panel display.

The speed limit reminder is only repeated if the vehicle has in the meantime been driven at least 3 m.p.h. slower.

Range

H4114

Range is the distance which the vehicle should cover on the remaining fuel in the tank. It is displayed and calculated on the assumption that the average fuel consumption will be maintained.

WARNING: To avoid the risk of damage to the engine or to the catalytic converter, do not allow the range to fall below 6 miles .

NOTE: *When refuelling, the on-board computer only registers amounts in excess of four litres.*

Distance

H4115

If you entered a destination in the GPS navigation system before the start of your journey you can access a display showing the remaining distance to that destination .

The distance to the destination by the planned route is transferred automatically.

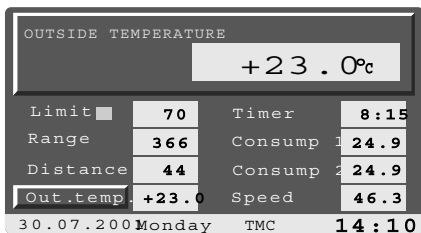You can also enter a distance without first entering a destination.

Arrival time

An estimated time of arrival will be displayed, based on your average speed so far.

This pre-supposes that you have set the clock in the on-board computer to the correct time.

On-Board Computer

Outside temperature

```
OUTSIDE TEMPERATURE
                        +23.0°c

Limit■      70      Timer        8:15
Range       366     Consump 1    24.9
Distance    44      Consump 2    24.9
Out.temp.  +23.0    Speed        46.3
30.07.200 Monday    TMC          14:10
```
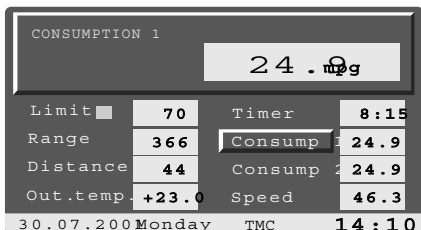H4116

You can view an outside (ambient) temperature display when you select the menu item 'Out. temp'.

NOTE: If the menu item arrival is shown here instead, go into 'Set' and select the on-board computer display 'Out. temp'.

Fuel consumption

```
CONSUMPTION 1
                        24.9mpg

Limit■      70      Timer        8:15
Range       366     Consump 1    24.9
Distance    44      Consump 2    24.9
Out.temp.  +23.0    Speed        46.3
30.07.200 Monday    TMC          14:10
```
H4117

You can display the average fuel consumption for two routes, e.g. for the entire journey and for a section of it. The average fuel consumption is calculated for the period since the engine was last started.
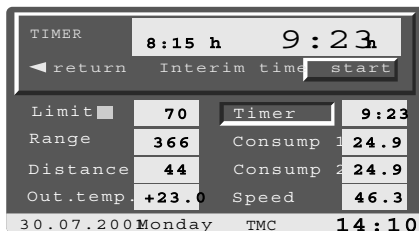
To start the fuel consumption calculation, the key must be in the ignition at position 'I' or 'II':

- Select 'Consump 1'.
- 'Recalculate? Yes'.

If at some point during your journey you wish to calculate fuel consumption for a particular part of that journey, select 'Consump 2'.

Select 'Recalculate? No'if you want the average fuel consumption for the entire journey to be retained.

Stopwatch

```
TIMER       8:15 h    9:23h
 ◄return    Interim time   start

Limit■      70      Timer        9:23
Range       366     Consump 1    24.9
Distance    44      Consump 2    24.9
Out.temp.  +23.0    Speed        46.3
30.07.200 Monday    TMC          14:10
```
H4118

Starting and stopping:

- Select 'Timer'.
- Using the right rotary control (10), highlight 'Start'; the stopwatch will begin to run when the right rotary control (10) is pressed, and the computer switches over to the stopwatch function.
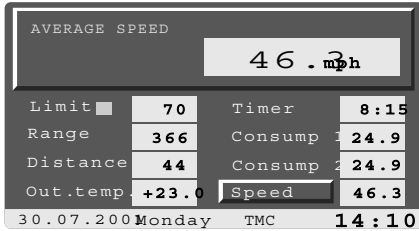- To stop it, press the right rotary control (10) again.

Taking an interim time reading:

- Highlight 'Interim time' - the interim time appears on the display when the control is pressed.

The stopwatch will continue to run until it is stopped, even if you exit the menu via 'return' or call up any other function.

On-Board Computer

Speed


```
AVERAGE SPEED
                46.3 mph

Limit■      70      Timer       8:15
Range      366      Consump 1   24.9
Distance    44      Consump 2   24.9
Out.temp. +23.0     Speed       46.3
30.07.2001 Monday   TMC        14:10
```
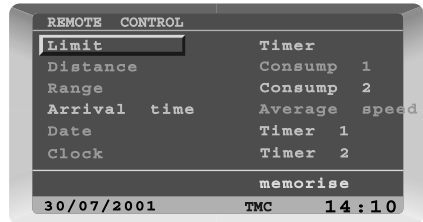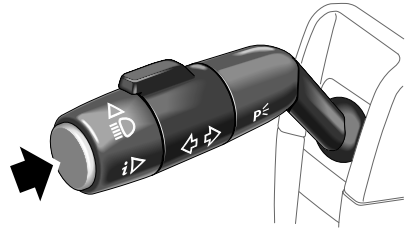
H4112

You can access a display of the vehicle's average speed. The average speed is calculated for the period since the engine was last started.

To start the average speed calculation, select the following with the ignition key in position 'I' or 'II':

- 'Speed'.
- 'Recalculate? Yes'.

To recalculate the average speed as a continuation of the previous reading select, 'Recalculate? No'.

Remote control


```
REMOTE  CONTROL
Limit                Timer
Distance             Consump  1
Range                Consump  2
Arrival  time        Average  speed
Date                 Timer  1
Clock                Timer  2
                     memorise
30/07/2001           TMC      14:10
```

H4119

The on-board computer information can be called-up on the instrument panel message centre by using the button on the end of the direction indicator lever, if the ignition key is in either position 'I' or 'II'.

To select the functions you wish to display:

- Press in the button on the lever until 'Remote control' appears on the screen.
- With the right hand rotary control (10), select the desired functions from those against the green background.

When you have chosen all the displays you need:

- Select 'Memorise'.

To call up the selected functions on the instrument pack message centre, press in the button on the direction indicator lever briefly. Repeated presses will display other selected functions.

On-Board Computer

Engine interlock code


```
CODE

        - - - -
        -

change              deactivate


30.07.200 Monday   TMC       14:10
```
H4182

You can choose to enter a 4-digit code which will lock the ignition system. When the code has been activated, the engine will not start unless the code is deactivated.

NOTE: When the code is activated, the driver will need to enter the 4-digit code each time the engine is started. If the code is not available or has been forgotten, emergency deactivation is possible.

Activating the code

- Select 'Code' from the general menu.
- Turn the right rotary control (10) until the first digit of the desired number appears
- Press the right rotary control (10) to confirm it.
- Enter the remaining three digits in the same manner.
- To activate the code, turn the ignition key to position '0'.

Correcting an input

- Select 'Change'.
- Repeat the input procedure from the beginning.

To cancel the inputting of the code, press the 'MENU' button (9). No code is set.

Deactivating the code

When you are required to enter the code (in ignition key position 'I'):

- Turn the right rotary control (10) until the first digit of the code appears.
- Press the right rotary control (10) to confirm it.
- Enter the remaining three digits in the same manner.
- Select 'Deactivate'.

To correct the input, select 'Change' and repeat the code input.

NOTE: After three incorrect code inputs or three attempts to start the engine without a code input, an alarm will sound for 30 seconds.

On-Board Computer

Auxiliary fuel-burning heater/independent ventilation control

For your own safety, please comply with the instructions in the vehicle Owner Handbook on the auxiliary fuel-burning heater or independent ventilation control. The following instructions refer only to operation by way of the on-board computer.

Direct operation

- For independent ventilation control, always leave the ignition key in position 'I'.
  For the auxiliary heater, ignition key position 'II' is also possible, in order to boost heating output when the engine is cold.
- Select 'Aux.heat/vent' in the general menu.
- To switch on select 'Aux. heating' or 'Aux. ventilation'.
  The green rectangle next to the function lights up and the red blower symbol on the left of the right rotary control flashes.

The auxiliary heater /ventilation control shuts down after 30 minutes.

To switch off before the 30 minutes timer, press the independent ventilation control time button (6), until the red fan symbol on the screen surround goes out.

Set a switch-on time
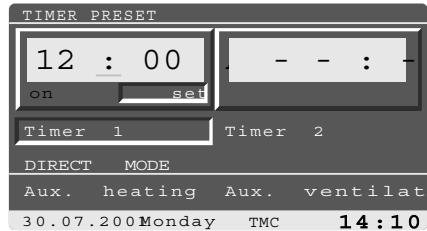
H4120

You can set two switching-on times for the auxiliary heating/independent ventilation control.

- Make sure that the clock is in operation and the ignition key is in position 'I'.
- Select 'Aux. heating' or 'Aux. ventilation'.
- Select 'Timer 1' (or for the second input time, 'Timer 2').
- Select 'set'.
- Enter the desired time.
  The green rectangle next to the time selected and the red auxiliary heater warning light will illuminate.

NOTE: The heater/ventilation can only be set to switch on within the next 24 hours. After this the time must be confirmed again.

Radio

RADIO CONTROLS

H4280
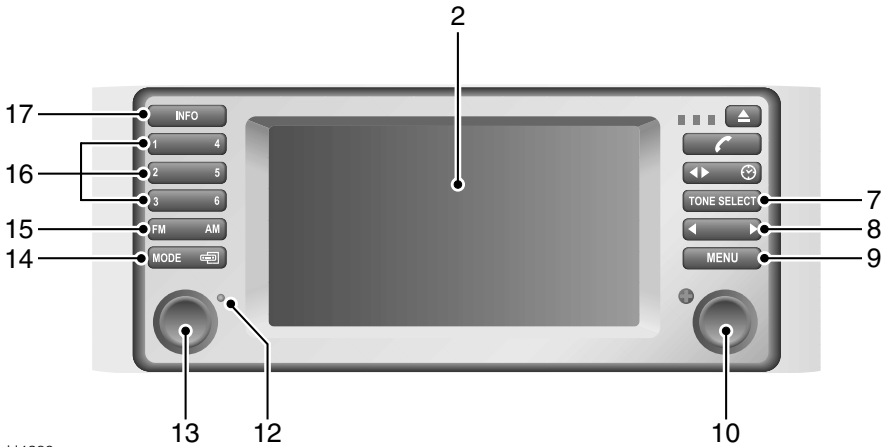
2. Display

7. TONE/SELECT button
Press **TONE** to change bass/treble/fader/balance
Press **SELECT** to enter the radio search function.

8. Search button in radio mode

9. MENU button
Press to obtain the general menu and also to return to the menu from a system feature.

10. Right rotary control
Turn to select a menu item, press to confirm selection.

12. Radio light
indicates that the radio has been turned on.

13. Left rotary control
Press to switch radio on or off.
Turn to adjust volume.

14. MODE button
Each time the mode button is pressed, the mode switches between radio, cassette and CD. The tape icon button switches between radio, tape or CD and the on-board computer system that is active.

15. FM/AM select button
Press **SELECT** (7) to enter the radio search function.
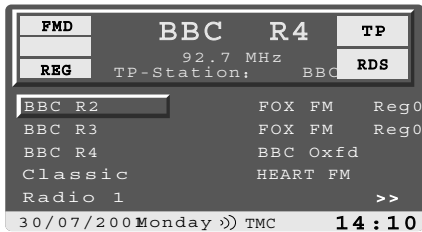
16. Station buttons
Radio station memory buttons, press to select a pre-set radio station.

17. INFO button
Activates RDS and TP functions.

Radio

RADIO CONTROLS


```
┌──────────────────────────────────────┐
│ ┌─────┐                      ┌─────┐  │
│ │ FMD │    BBC   R4          │ TP  │  │
│ └─────┘      92.7 MHz        └─────┘  │
│ ┌─────┐                      ┌─────┐  │
│ │ REG │  TP-Station:    BBC  │ RDS │  │
│ └─────┘                      └─────┘  │
│ ┌──────────┐        FOX FM      Reg0  │
│ │ BBC R2   │                          │
│ └──────────┘        FOX FM      Reg0  │
│   BBC R3                               │
│   BBC R4            BBC Oxfd           │
│   Classic          HEART FM           │
│   Radio 1                        >>   │
│  30/07/200 Monday ·)) TMC      14:10  │
└──────────────────────────────────────┘
```

H4102

Press the left rotary control (13) to activate the
radio and display information about current
settings.

*NOTE: If when you switch on the radio on-board
computer functions appear, the 'Audio + OBC'
function (OBC = on-board computer) is switched
on. To switch off this function see the **on-board
computer** section in this Handbook.*

Display information
BBC R4
The name of the radio station currently selected.

Station frequency
92.7 MHz is shown in this example.

TP station
The name of the chosen traffic programme that is
active in the background, in this case BBC WM.

FMD
Waveband (FM); for other wavebands see
'Selecting other wavebands' below.

Station key
Below FMD is the number of memory position if
stored in memory.

REG
Regional stations can be received.

TP
The traffic programme is switched on. Other
audio sources will be interrupted when a traffic
message is broadcast.

T
The traffic programme is not switched on, but the
radio is tuned to a station which broadcasts
traffic reports. Other audio sources will not be
interrupted.

RDS
Radio Data System is switched on; station names
are displayed and the strongest frequency on
which the station can be picked up is searched
for automatically.

>>
Further stations can be displayed by using the
right rotary control (10).

Waveband selection
Pressing the FM or AM buttons (15) changes the
waveband each time the button is pressed.
FM/FMD = VHF (Very High Frequency)
AM = MW (medium wave), SW (short wave) and
LW (long wave).

STATION SEARCH AND SELECTION

RDS - Radio Data System
To ensure the best possible reception, this radio
has an RDS diversity function. It has two FM
receivers. One provides a signal for the selected
programme while the other searches
continuously for other frequencies transmitting
the same programme and for RDS stations
which can be received.

RDS allows the names of all receivable stations
to appear automatically on the display, in
descending order of reception signal strength.

To turn RDS on or off:
- Press the INFO button (17).
- Turn the right rotary control (10) until 'RDS
  On/Off' is highlighted.
- Press to activate the RDS function.
  'RDS' appears on the screen.

Radio

To display the frequency in addition to the station name:

- Press the INFO button (17) on the control panel.
- Turn the right rotary control (10) until 'Freq. On/Off' is highlighted.
- Press to display the frequency.

RDS station search

With RDS turned on, press the FM button (15) as often as necessary until 'FMD' appears at the top left edge of the display screen.

Turn the right rotary control (10) until the desired station is highlighted, then press the right rotary control (10) to select this station.

Manual station selection

Look for a specific station either by name or by frequency. Using the FM/AM button (15), select the desired waveband.

Press the SELECT button (7), then:

- Turn the right rotary control (10) until 'm Manual station choice' is highlighted.
- Press the left or right arrow button (8) until the desired station is selected.

Next station

Press the left or right arrow button (8) and the next station will be searched for.

You can select in advance whether to jump to the next possible station or the next stored station.

Press the SELECT button (7) and hold it in until 'PRES ON' or 'PRES OFF' (PRES is short for PRESET) appears on the screen.

'PRES ON' jumps to the next memorised station.

'PRES OFF' jumps to the next station.

Sampling and selecting

Press the SELECT button (7) to obtain the selection menu.

1. Automatic search (SCAN):

    Stations with a sufficiently strong signal are heard automatically for a short time, one after the other.

    - Turn the right rotary control (10) until 'SCAN Station sample' is highlighted.
    - Press to start the search.
    - Press the SELECT button (7) on the control panel to continue hearing the sampled station.

2. Manual search:
    II - search for weaker stations.
    I - Search for more powerful stations. If none are found a second search run is made which includes the weaker stations.

    - Turn the right rotary control (10) until 'II Search sensitive' is highlighted.
    - Press to confirm your selection.
    - Turn until you hear the desired station.

If the inputs are not made within 8 seconds, the procedure will have to be repeated.

Memorising and recalling stations

The system can memorise up to 6 FM and 18 AM stations.

First select the waveband.

The AM reception band is subdivided into separate MW, SW and LW memory ranges to permit greater flexibility in storing stations:

- Select the station using Automatic or Manual search.
- Press and hold the desired memory key (16) until the station is heard again after a brief interruption.

If the key is already occupied by a stored station, the station you are attempting to store will briefly increase in volume. If you release the key immediately, the memorising process will be

Radio

terminated and the previously memorised station will not be lost - otherwise its place will be taken by the new station.

Recalling a memorised station
First select the waveband, e.g. FM. Select the memorised station using one of the station buttons (16).

Selecting TMC station
The radio tunes itself in the background to the TMC (Traffic Message Channel) station with the strongest signal if you have activated RDS-TMC in the navigation system.

If you want to have a particular TP station in the background, you will have to deactivate TMC in the navigation system. If you have activated RDS-TMC in the navigation system, only TP stations that also broadcast TMC traffic information can be activated in the background.

Regional stations
On FM, certain stations may broadcast regional stations either all day or at certain times of the day only.

If you wish to receive these stations, you must switch on the regional function:

- Press the INFO button (17).
- Turn the right rotary control (10) until 'RDS' is highlighted.
- Turn until 'Region On/Off' is highlighted.
- Press to activate the regional function. 'REG' appears on the screen.

If you have selected this function and the transmitter switches to a regional station, this option will be automatically displayed on the screen for selection.

TRAFFIC REPORTS
You can select a station with traffic reports but keep it in the background, so that it interrupts the station you are listening to when a traffic report is broadcast.

Activating a background station
Press the INFO button (17) twice.

The radio then broadcasts traffic reports even if the radio station you have selected does not do so.

While traffic reports are being received, TV reception and cassette or CD play are interrupted. The speech output of the navigation system, however, remains active.

If you are tuned to a station which does not broadcast traffic reports, you can activate a traffic report station in the background. The programme on the station you are tuned to is then interrupted by the traffic reports.

- Press the INFO button (17).
- Hold the right rotary control (10) pressed in until 'Selected TP station' appears on the screen.
- Turn until the desired station is highlighted.
- Press to select this station.

Adjusting the TP volume
Turn the left rotary control (13) during a traffic report until the desired volume is obtained.

This volume is retained for future traffic reports even if you set other audio sources to minimum values.

Deactivating a background station
- Press the INFO button (17) on the control panel.
- Press and hold in until 'Selected TP station' is displayed.
- Turn the right rotary control (10) until 'Delete TP-Stat' is highlighted.
- Press to delete.

Radio

NOTE: You may wish to switch off RDS-TMC in the navigation menu first. If you have activated RDS-TMC in the navigation system, the traffic report station selected by the navigation system is used, irrespective of the one you have tuned to.

Tone control
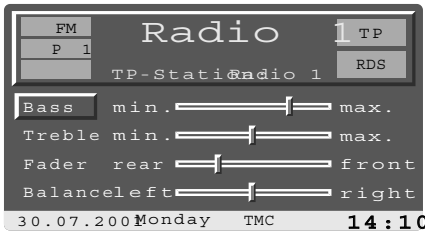
H4125

- Press the TONE button (7) on the control panel.
- Turn the right rotary control (10) until the desired tone setting is highlighted e.g. 'Balance' and then press the control knob.
- Turn to alter the setting.

Medium settings

To adjust all tone settings for the current audio source to medium values, hold the TONE button (7) in for longer than 2 seconds. This selects the medium value settings.

Radio

DSP SOUND SYSTEM

Digital Sound Processing.

A sound system which is notable for its exceptionally natural, precise sound re-production. Satellite units containing sub-woofers, mid-range speakers and dome-pattern tweeters produce a spacious but subtle sound quality.

A 6-band equaliser is provided for individual adjustment of the frequency range. DSP can also simulate the acoustics of three different enclosed spaces: the concert hall, the jazz club and the church. Three control settings can be memorised: tone, echo and equaliser.

In order to take changing conditions during a car journey into account, the acoustic image is varied automatically to suit road speed and the ambient noise level.

DSP is only operational when the radio is turned on.

Switching on and off.
- Select 'DSP' from the general menu.
- Select 'switch on' or 'switch off'.

Sampling and selecting
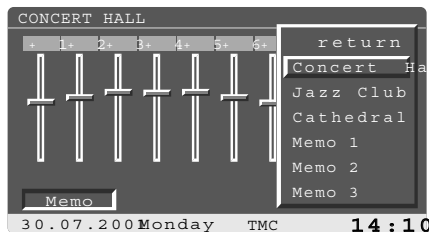
H4127

- Select 'Demo'.
- To accept one of the sample settings (concert hall, jazz club, cathedral), press the right rotary control during the demo.

The remaining samples cannot be directly selected. If the demonstration is interrupted, the settings in use beforehand are retained.

Individual tone control memory
Concert hall, jazz club and cathedral are fixed memory settings and cannot be modified.

Tone control memories 1 to 3 can be adjusted individually:
- Select the desired memory.
- Select the desired frequency range.
- Make the adjustment and memorise it each time by pressing the rotary control.

NOTE: 'ROOM' adjustment affects the sense of spaciousness and the size of a space (room). 'ECHO' adjustment controls the level & time of reverberations.
If either of the sound pattern controls (room, echo) is set to 0, the other is also automatically set to 0. As soon as you move a control away from 0, the other returns to its previous setting.

Selecting tone control memory
- Select 'Memo'.
- Select tone control memory.

Radio Reception
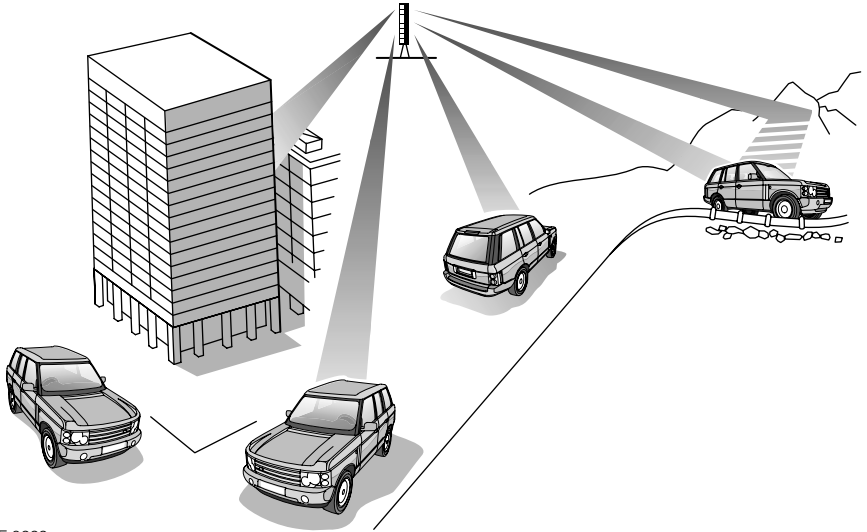
ICE 0222

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 re-tuning eases this problem, some manual re-tuning may still be needed (especially for local stations) in areas of weak reception.

The broadcast range for good stereo reception (usually within 30 to 40 mile 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 vehicle 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 ben reflected by obstructions such as mountains, hills and tall buildings (this is known as multi-path distortion).

17

Cassette Player

CASSETTE PLAYER CONTROLS
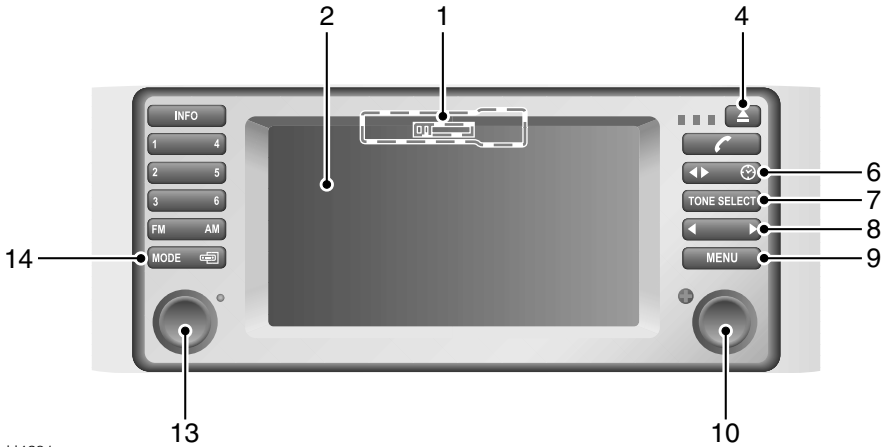
H4281

1. Cassette tape slot
Access behind display panel.

2. Display

4. Open/close display panel
Press to open the display panel for access to the cassette tape slot (1).Press again to close the panel.

6. Cassette track select
Press the arrows to select cassette track.

7. TONE/SELECT button
Press **TONE** to change bass/treble/fader/balance. Press **SELECT** to change the Dolby function.

8. Search button in Cassette mode

9. MENU button
Press to obtain the general menu and also to return to the menu from a system feature.

10. Right rotary control
Turn to select a menu item, press to confirm selection.

13. Left rotary control
Turn to increase or decrease the sound volume or press to turn the unit on or off.

14. MODE button
Each time the mode button is pressed, the mode switches between radio, cassette and CD. The tape icon button switches between radio, tape or CD and the on-board computer system that is active.

Cassette Player

CASSETTE OPERATION

Inserting a cassette tape
- Switch on the unit by pressing the left rotary control (13).
- Press button (4), this lowers the control panel allowing access to the cassette tape slot (1).
- Push a cassette tape fully into the slot (1) with the tape openings to the right. The front panel will automatically raise.

NOTE: The front panel has a trap protection feature. It automatically stops if it encounters an obstruction while moving back to its closed position.

If there is already a cassette tape in the slot (1), press the MODE button (14) until 'TAPE 1' or 'TAPE 2' is displayed.

Ejecting a cassette
Press button (4), the cassette will be ejected.

Stopping cassette play
Press the MODE button (14) to change to another operating mode.

Selecting a track
Press the track select button (6) to select tracks forwards or back to the previous tracks.

Fast forward/rewind
Press the search button (8) in the desired direction, twice, briefly.

The tape automatically switches to the tracks on the other side when the end of the side playing is reached.

To interrupt fast forward/rewind, press the search button (8) in the desired direction.

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

Only forward track search is described here but the same principle applies for locating the start of a track in reverse.

Press the search button (8) briefly to activate the track search.

The tape will be wound forward until the next piece of music is detected. At the end of the tape, it switches automatically to the other track.

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

For the best reproduction of sound when playing pre-recorded tapes employing Dolby noise reduction, select either Dolby B or Dolby C.

Press the SELECT button (7) until the best audio reproduction is obtained. The system changes between Dolby B, Dolby C and Dolby off.

NOTE: Only switch on when playing cassettes recorded using Dolby, as reproduction will otherwise sound dull.

** Noise reduction manufactured under license. 'Dolby' and the 'DD' symbol are trade marks of Dolby Laboratories Licensing Corporation.

Care of Cassette Player and Tapes
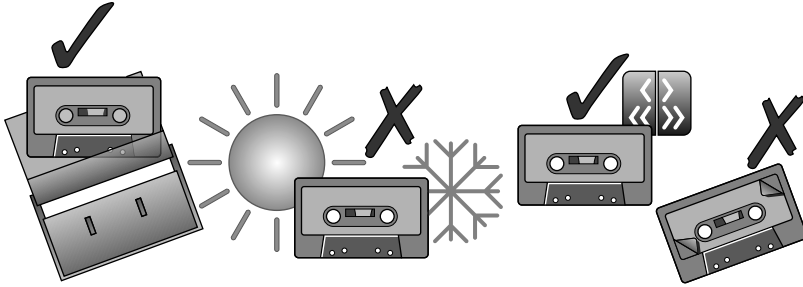
ICE 0054

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, the 'TAPE CLEAN' message appears on the display every 50 hours. Clean the tape head 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 play 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 firmly glued 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 too hot to touch. This is normal and will not harm good quality tape.

Troubleshooting

WHAT TO DO IF….

Radio
What to do if:

- The radio automatically begins a station search with RDS switched on?
The strength of the station transmitting has decreased and no alternative frequency for this station is available.

The radio reverts to the frequency of the station previously received.

Cassette
What to do if:

- The quality of audio reproduction from cassettes deteriorates?
The tape player head may be dirty and requires cleaning.

- The display shows 'TAPE CLEAN'
This message appears twice in succession when a cassette is inserted after 50 hours of operation.

- The display shows 'TAPE ERROR'.
The tape in the cassette player cannot be moved or is jammed. Remove the cassette from the tape player. If you are able to identify the cause of the problem and put it right you may put the cassette back into the tape drive and then wind it fully forwards and fully rewind. If the message is still displayed, the cassette should not be used.

CD
What to do if one of the following warnings is displayed:

- '**NO DISKS**'
the magazine is empty.

- '**NO DISK**'
no CD in the compartment or a CD has been incorrectly inserted.

- '**NO MAGAZINE**'
no magazine is inserted.

- '**CD CHECK**'
the contents of the CD are still being read into the system.

- '**HIGH TEMP**'
Operating temperature is too high. Replay commences automatically when the correct operating temperature has been reached.

Navigation
What to do if:

- You call-up your vehicle current position but the display is not accurate?
You are in a poor reception area, you are in an area not covered by the map CD, or the system is currently calculating your position.

- The GPS logo disappears from the screen?
Reception is interrupted, a building or similar obstruction may be the cause.

- An address from the destination list is not transferred to the route guidance programme?
The address is not on the map CD currently in use. Choose an address as close as possible to the original one, if necessary by the graphic destination input method.

- An address without a street is not transferred to the destination guidance programme?
There is no defined city centre on the map CD for the place you have entered. Enter any street or a specific destination such as the railway station, for the town or city in question. Then start destination guidance.

- You wish to input a destination address but the correct letter of the alphabet cannot be selected?
The address is not on the map CD currently in use. In this case the system will not offer you the non-existent letters to choose from. Choose an address as close as possible to the original one., if necessary by the graphic input method.

- You attempt to input a destination address by means of the cross-hairs on the graphic destination input map but it is not transferred

Troubleshooting

to the route guidance system?
The chosen scale is too large. Destinations are only transferred up to a scale of 1 kilometre.

- Directions cease to be given during destination guidance?
  You are driving in an area for which full digital information is not yet available on the map CD. Instead of an arrow indicating a turn, you will see an arrow which indicates the general direction of your planned route:
  or
  You have deviated from the proposed route and the system requires a few seconds to calculate a new route.

- The route map is automatically called up during destination guidance?
  You are currently in an area for which full digital information is not yet available on the map CD. No destination guidance is currently possible. However, as a rough guide the current position of your vehicle will be shown on the map.

- The battery was disconnected?
  About 15 minutes must elapse before the system is fully functional, after battery reconnection.

Television
What to do if:

- No TV stations can be selected?
  The correct TV format for the country of use is not selected. When you have reset the format, proceed to the 'Search' or Autostore' function.

- You cannot receive a TV picture even when the vehicle is stationary?
  Make sure that the handbrake or parking brake is applied - on some market versions the TV picture can only be obtained with the brake applied.

- The picture quality is impaired?
  The direct line of sight between the transmitter and vehicle is currently obstructed by buildings or topographical feature.

Teletext
What to do if:

- The page you have input, and which is shown at the top left, does not appear and the figures continue to run indefinitely?
  There is no information on the page in question: select and enter a different page.

- You call-up the 'Teletext' function in the TV menu but nothing happens?
  The televised station to which you are tuned does not transmit teletext, or teletext data cannot be received due to poor reception quality.

Compact Disc Player

COMPACT DISC PLAYER CONTROLS
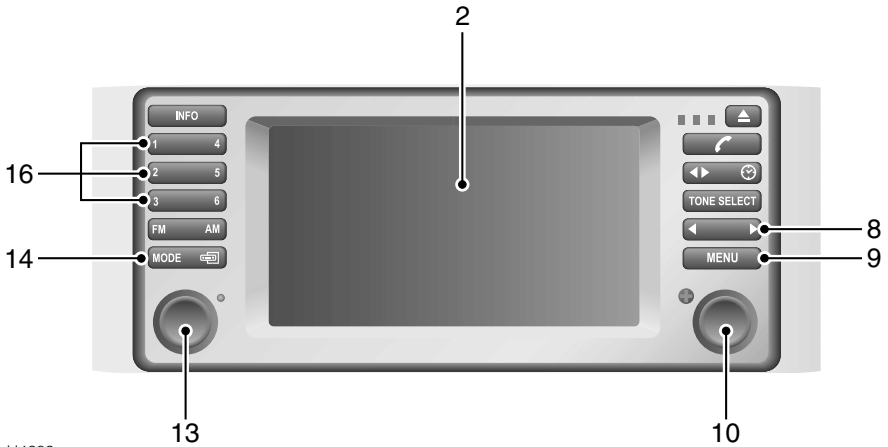
H4282

2. Display

8. Track Search button in CD mode
Press to obtain the desired track.

9. MENU button
Press to obtain the general menu and also to
return to the menu from a system feature.

10. Right rotary control
Turn to select a menu item, press to confirm
selection.

13. Left rotary control
Turn to increase or decrease the sound volume
or press to turn the unit on or off.

14. MODE button
Each time the mode button is pressed, the mode
switches between radio, cassette and CD. The
tape icon button switches between radio, tape or
CD and the on-board computer system that is
active.

16. CD buttons
Press to select a CD in the autochanger.

Compact Disc Player

SEARCH VIA THE CONTROL PANEL BUTTONS

Press the left rotary control (13) to activate the unit.
Press the 'MODE' button (14) as often as necessary, until 'CD' is displayed.
Press the right rotary control (10) to select. The first CD from the magazine is played.
To stop the CD playing press the 'MODE' button (14).

Track search

Press button (8) until the desired track is obtained.

Fast forward/reverse

Keep button (8) pressed in. The tracks can be heard, but the quality is distorted. Release to continue play.

SEARCH VIA THE MENU

The general overview is faded out if no further key is pressed for approximately 8 seconds.

Track search

Press the 'SELECT' button (7) as often as necessary or turn the right rotary control (10) until '< > Music search' is highlighted.
Press the right rotary control (10) to confirm selection.

Fast forward/reverse

Press the 'SELECT' button (7) as often as necessary or turn the right rotary control (10) until.
'<< >> Fast forward/reverse' is highlighted.
Press the button (8) in the desired direction and hold in.
The tracks can be heard but the quality is distorted. Release to continue play.

Sampling and selecting.

Press the 'SELECT' button (7) as often as necessary or turn the right rotary control (10) until 'SCAN Track sample' is highlighted.

To start/stop the search, press the right rotary control (10).

Random play

The tracks on all CD's can be played in an entirely random order.
Press the 'SELECT' button (7) or turn the right rotary control (10) until 'RANDOM Random generator' is highlighted.
Press the right rotary control (10) to start random play.
To stop random play, select a different function or a different CD.

Compact Disc Player

COMPACT DISC CHANGER
Removing/inserting the magazine

H4129
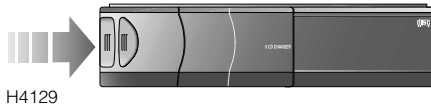
Fully open the sliding cover to insert or remove the magazine. Keep the cover closed at all other times to prevent dust and dirt from entering the changer.

H4128
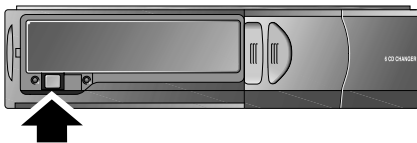
Press the button to eject the magazine.

Loading and unloading the magazine

H4130

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.

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.

H4131
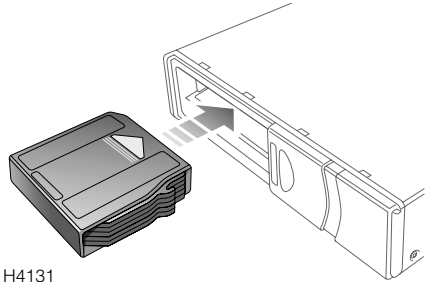
Correctly align the tray with the parallel slots on each side of the magazine and slide the tray fully into the magazine. Finally, close the sliding cover.

Important:

- Use standard 12cm CD's only.

- DO NOT use irregularly shaped or damaged CD's - these may damage the compact disc changer unit

- 8cm 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 autochanger.

- The CD autochanger should not be used in temperatures outside the range -10 deg. C to +60 deg.C.
  NOTE: If the CD autochanger reaches temperatures higher than recommended for normal use, 'HIGH TEMP' appears in the display. If this occurs, stop using the CD player, eject the magazine and allow the autochanger to cool down. If the problem persists, consult your Dealer.

- The CD autochanger 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: Additional magazines can be obtained from a Landrover Dealer.

Compact Disc Player

CD autochanger maintenance

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

Caring for Compact Discs
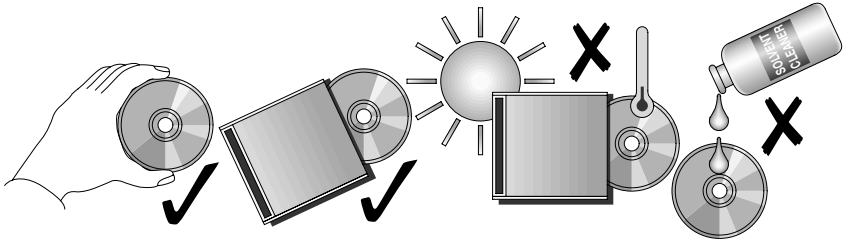
ICE 0022

CARING FOR COMPACT DISCS

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 edge, or the edge of the centre 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.

If minor scratches on the surface of compact disc cause skipping or mistracking, 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.

Navigation
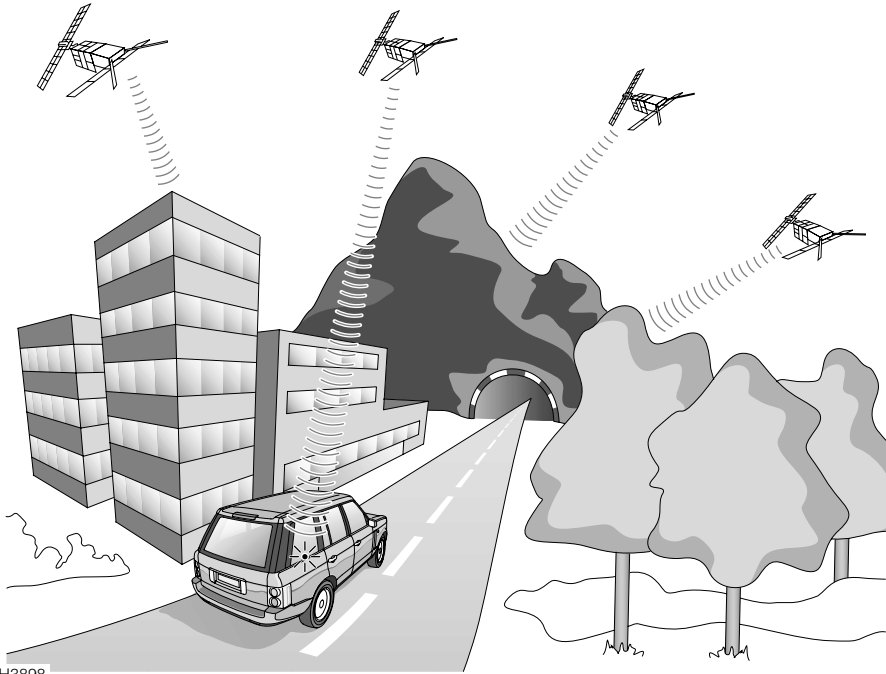
H3898

SATELLITE NAVIGATION

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.

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

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

Navigation

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.

SAFETY WARNINGS

NOTE:
The navigation system is designed only as a guide and does not relieve the driver of the responsibility for driving in accordance with traffic regulations.

When driving off-road, the navigation system will not supply detailed information concerning the terrain being traversed - carry out a preliminary survey on foot before negotiating difficult terrain and refer to the 'Off-road driving' section of the Owner's Handbook for helpful information.

In the interests of safety, information should only be programmed into the navigation system when the vehicle is stationary.

Danger of accident

- through operation of the navigation unit when driving.

  - use of the navigation unit is only advised 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.
  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).

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 CD's 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, national 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 permanent changes 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 power supply has been interrupted, 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.

Navigation

CHANGING THE MAP CD

Map CD's contain road maps covering one or more countries or regions. These maps are revised at regular intervals. Your Dealer can provide this information.

The navigation computer holding the map CD is located in the rear left side of the luggage compartment or load area.

To change the map CD:

- Pull the release handle to open the cover and gain access to the navigation CD unit.

- Press the eject button to remove the current CD and insert the new one.

- Wait for 8 seconds for the new CD to start.
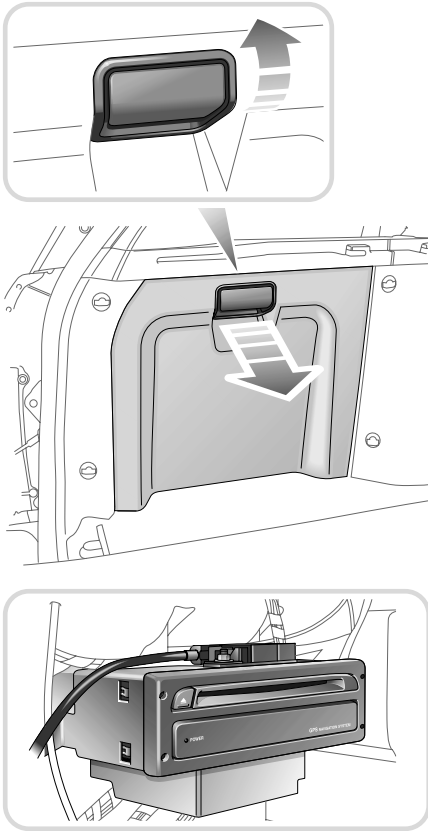
H4161

If your navigation system indicates that you are about to leave the area covered by the map CD currently inserted, you should change the map CD in the navigation system.

Navigation

NAVIGATION CONTROLS
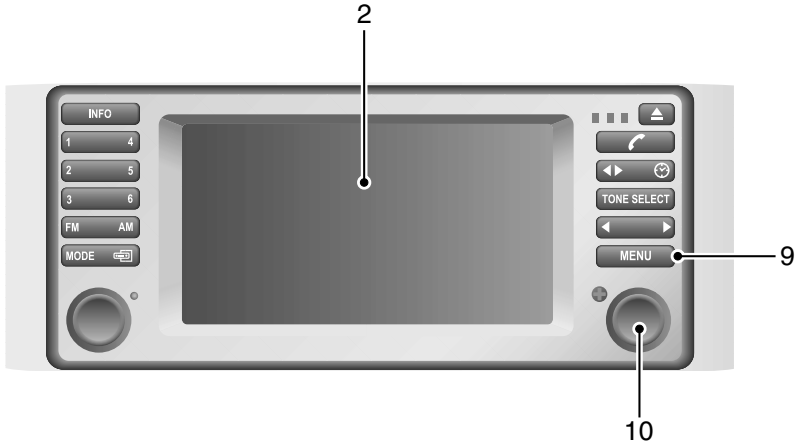
H4283

2. Display

9. MENU button
Press to obtain the general menu and also to return to the menu from a system feature.

10. Right rotary control
Turn to select a menu item, press to confirm selection.

Navigation

GETTING STARTED

Selecting GPS navigation

H4132

If the menu is not displayed, press the MENU button (9). Turn the right rotary control (10), until "GPS-navigation" is highlighted then press to start the navigation system.

Select 'Dest. input'.
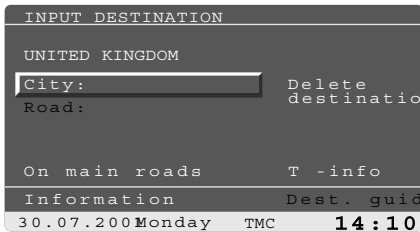
H4257

Enter destination country

If the name of more than one country appears on the display in white letters, data for more than one country is stored on the map CD.

To select United Kingdom as the destination country, if not already selected:

- Turn the right rotary control (10), until the country currently displayed is highlighted.
- Press the control (10) to call up a list of all available countries.
- Turn the control until United Kingdom is highlighted.

- Press the control again, to confirm your selection as the destination input.

Entering a destination place
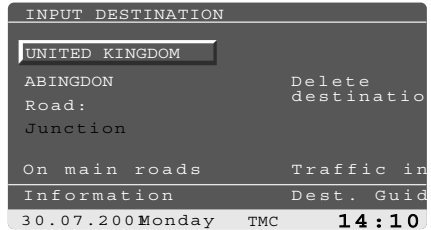
H4133

If a destination shown is not required, turn the right rotary control (10) to select 'Delete destination' and press the control to delete it.

NOTE: We will use 81 Austin Place, Abingdon as the example destination address.

To select Abingdon as the destination town:

- Turn the right rotary control (10) to select 'City'.
- Press the control (10) to confirm selection.
- Turn the control until letter 'A' is highlighted.
- Press the control again to confirm your selection.
- Use this procedure to select the remaining letters of the destination ABINGDON until the name of the city is recognised beyond all doubt and displayed in full.

NOTE: Only those letters shown in white can be selected.

- Turn the right rotary control (10) and select "enter" to store the destination city, then press the control again.

NOTE: If the place name has been entered in full and is unmistakable, "enter" is automatically marked.

Navigation

Entering a street and house number

```
INPUT DESTINATION

UNITED KINGDOM

GAYDON                    Delete
                          destinatio
Road:

BANBURY ROA█
ABCDEFGHIJKLMNOPQRSTUVWXYZXZspace
1234567890                    delete
◄ return    Index            enter
30.07.200 Monday    TMC      14:10
```
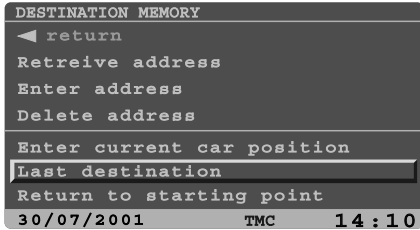H4134

- Turn the right rotary control (10) to select 'Road'.
- Press the control (10) to confirm selection.
- Turn the control until 'A' is highlighted.
- Press the control again to confirm your selection.

In the same manner, select the remaining letters of 'AUSTIN PLACE' until the road is identified in full.

After entering the road you can enter a house number.

- Turn the control until '8' is highlighted.
- Press the control again to confirm your selection.

In the same manner, select all the remaining numerals making up the building or house number (in this case only the numeral '1').

- Turn the control until 'enter' is highlighted.
- Press the control again to complete the entry.

If the house or building number is not stored on the navigation CD, the nearest building number will be entered. No opportunity to enter numbers will be offered if no house numbers for the street are stored on the map CD. Destination guidance can be started straight away.

If you do not enter a street name, you will be guided to the boundary of the town, where navigation will end.

You can correct the last input by selecting "delete" and pressing the right rotary control (10). To cancel the whole entry, keep the control pressed for longer.

NAVIGATING TO YOUR DESTINATION
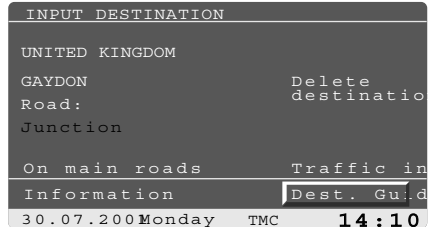
```
INPUT DESTINATION

UNITED KINGDOM

GAYDON                    Delete
Road:                     destinatio
Junction

On main roads             Traffic in
Information               Dest. Guid
30.07.200 Monday    TMC      14:10
```
H4136

Starting destination guidance

When you have entered the complete destination address, the town/city, road and house number are displayed and "Dest. Guide" is highlighted.

Press the right rotary control (10) to start destination guidance.

While the navigation computer is calculating a route to your destination, the distance and compass needle direction to the destination are displayed in the top right corner.
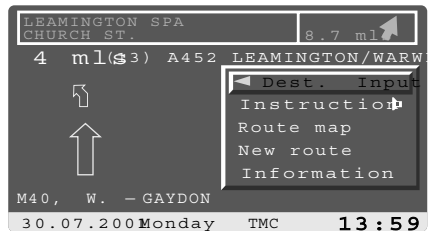
```
LEAMINGTON SPA
CHURCH ST.                    8.7 ml
  4   ml(s 3) A452 LEAMINGTON/WARW
                    ◄ Dest.    Input
    ↰                 Instruction►
                      Route map
    ⇧                 New route
                      Information
M40,  W. — GAYDON
30.07.200 Monday    TMC      13:59
```
H4150

Once the route has been calculated, the name of the next road to be turned into and the distance to this junction is shown at the top of the display, below the destination address.

Navigation

The direction to turn at the junction is shown by an arrow in the left of the display.

A change of direction is also indicated by spoken instruction.

Your current position is shown at the bottom left of the display.

NOTE: In areas which are not yet fully covered by the map CD, an arrow indicates the direction to be taken. This should help you decide which way to go when you reach a fork in the road or a junction.

To have the last direction instruction repeated:

Press, then turn the right rotary control (10), until 'Instruction' is highlighted. Press the control again.

A spoken instruction will be given and a visual display will appear before the next turning, informing you of any change of direction required.

NOTE: You will also be guided to your chosen destination if the 'MENU' button has been used to select a different function, e.g. radio, CD or on-board computer.

Returning to your starting point
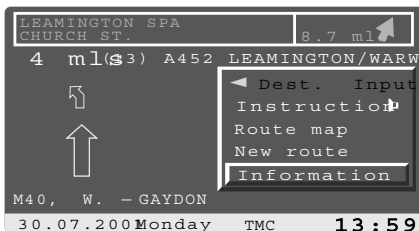
H4258

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Destination memory'.

- Press the control again to confirm your selection.
- Turn the control to select 'Return to starting point' and press to confirm. The address of the starting point is transferred to the destination guidance system.
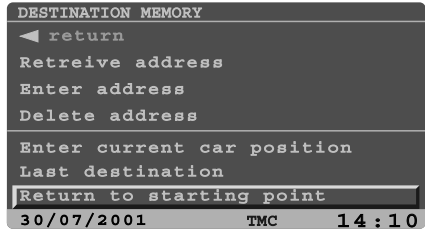
H4262

STORING, RETRIEVING AND DELETING ADDRESSES

To make destination inputs quicker to perform, frequently used destinations can be stored in the 'Destination memory' and retrieved from there when you need navigation guidance to them.

Storing addresses

You can store over 50 addresses and transfer them directly from the address book as navigation destinations.

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Destination memory'.
- Press the control again to confirm your selection.
- Turn the control to select 'Enter address'.

Navigation

DESTINATION MEMORY
◄ return
Retreive address
Enter address
Delete address
Enter current car position
Last destination
Return to starting point
30/07/2001   TMC   14:10
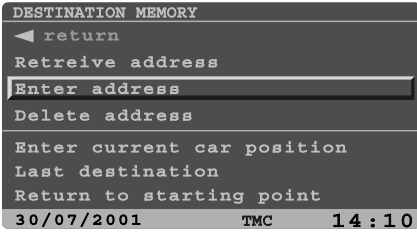
H4259

- Press the control to confirm selection.
- Use the right rotary control to enter the data by overwriting the last entry information.
- When the full address has been entered, use "enter" to store it in the address book.

Storing current location
You can transfer the vehicle's current position to the memory and add a name provided that the vehicle is within an area stored on the map CD.

- Turn the right rotary control (10) to select 'Destination memory'
- Press the control (10) to confirm selection.
- Turn the control again to select 'Enter current car position'

DESTINATION MEMORY
◄ return
Retreive address
Enter address
Delete address
Enter current car position
Last destination
Return to starting point
30/07/2001   TMC   14:10
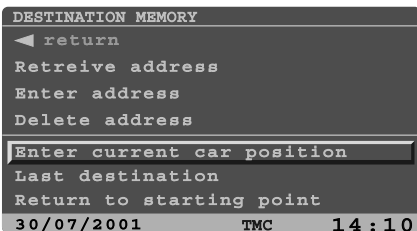
H4260

- Press the control again to confirm your selection.
- Turn the control to add a name if required.
- Press the control to confirm selection.
- Select 'Enter' to store it in the address book.

Retrieving addresses

DESTINATION MEMORY
◄ return
Retreive address
Enter address
Delete address
Enter current car position
Last destination
Return to starting point
30/07/2001Monday   TMC   14:10
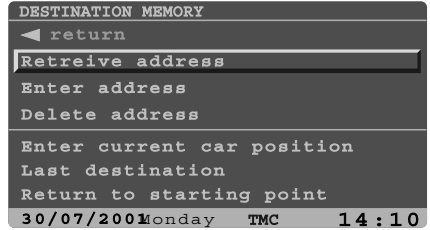
H4139

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Destination memory'.
- Press the control again to confirm your selection.
- Turn the control to select 'Retrieve address'.
- Press the control to confirm selection.
- Select the desired address - it will then be transferred to the destination guidance system.

Returning to a recently chosen destination
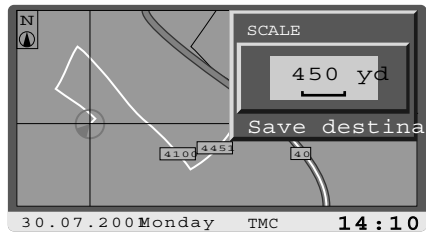The last ten destinations entered are memorised.

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Destination memory'.
- Press the control again to confirm your selection.
- Turn the control to select 'Last destinations'.

Navigation


```
DESTINATION MEMORY
◄ return
Retreive address
Enter address
Delete address
Enter current car position
Last destination
Return to starting point
30/07/2001        TMC      14:10
```
H4261

- Press the control to confirm selection.
- Select 'Retrieve address', select the desired address and press the right rotary control to transfer it to the destination guidance system.

Deleting addresses

- Turn the right rotary control (10) to select 'Destination memory'
- Press the control (10) to confirm selection.
- Turn the control again to select 'Delete address'.
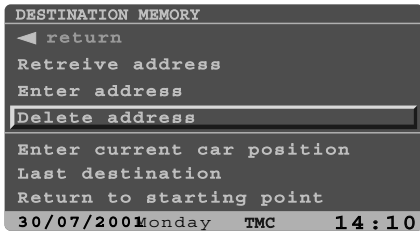

```
DESTINATION MEMORY
◄ return
Retreive address
Enter address
Delete address
Enter current car position
Last destination
Return to starting point
30/07/2001Monday   TMC      14:10
```
H4263

- Press the control again to confirm your selection.
- Turn the control to select the desired address.
- Press the control to delete the address.

You can delete all addresses by selecting 'Delete address' and pressing the right rotary control (10) for at least one second.

To delete the ten stored destination addresses:

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Destination memory'.
- Press the control again to confirm your selection.
- Turn the control to select 'Last destinations'.
- Press the control to confirm selection.
- Turn the control again to select 'Delete address'.
- Press the control again to confirm your selection.
- Turn the control to select the desired address.
- Press the control to delete the address.

You can delete all addresses in the 'Last destinations' memory by selecting 'Delete address' and pressing the right rotary control (10) for at least one second.

If you do not know the exact place name or street name


```
INPUT DESTINATION
UNITED KINGDON
ABINGDON              Delete
Road:                 destinatio
AUST█
ABCDEFGHIJKLMNOPQRSTUVWXYZXZspace
1234567890                 delete
   return      Index       enter
30.07.200Monday   TMC      14:10
```
H4140

Turn the right rotary control (10) to select 'Index' from the display before making an entry.

NOTE: You can select from names displayed in the index by first entering one or more letters of that name and then selecting the 'Index' function by pressing the right rotary control (10).

Navigation

The index will display all the places on the map of a particular country and all the streets in a specified place.

If place names are identical, 'Index' will be marked automatically.
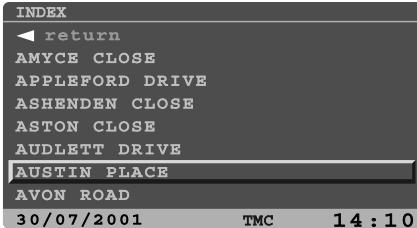
```
INDEX
◄ return
AMYCE CLOSE
APPLEFORD DRIVE
ASHENDEN CLOSE
ASTON CLOSE
AUDLETT DRIVE
AUSTIN PLACE
AVON ROAD
30/07/2001          TMC        14:10
```
H4141

- Turn the right rotary control (10) to select 'Index'.
- Press the control (10) to display the index.
- Turn the control again until the desired place name is marked and press to confirm selection. The place name will then be transferred to the destination guidance system.

If you do not know the address or location of your destination

For instance, you may be looking for a hotel, restaurant, petrol station, tourist attraction or a hospital.

Enter the desired town, using the method described in 'Entering a destination place'.

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
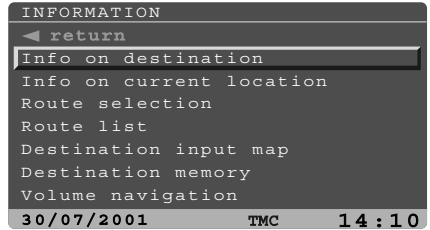
```
INFORMATION
◄ return
Info on destination
Info on current location
Route selection
Route list
Destination input map
Destination memory
Volume navigation
30/07/2001          TMC        14:10
```
H4142

- Turn the right rotary control (10) to select 'Info on destination', various types of destination are listed.
- Press the control (10) to confirm selection.
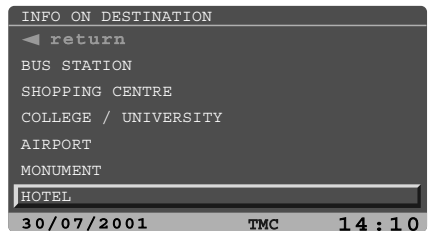
```
INFO ON DESTINATION
◄ return
BUS STATION
SHOPPING CENTRE
COLLEGE / UNIVERSITY
AIRPORT
MONUMENT
HOTEL
30/07/2001          TMC        14:10
```
H4143

- Turn the right rotary control (10) to select the desired type of destination e.g. 'Hotel'.
- Press the control (10) to confirm selection.

* Market specific feature.
The following sub-menus may be available.

- Turn the right rotary control (10) to select 'Index'.
- Press the control (10) to display the index.
- Turn the control again to choose one of the hotels from the alphabetical list and press to confirm selection. If you know the name of the hotel you want, you can restrict the number of names displayed by first entering one or more letters of that name before selecting 'Index'.

Navigation

Information on hotels can be displayed either as text or using any one of the following symbols:

Parking

Restaurant facilities

Swimming pool

Credit cards accepted

Disabled facilities

Children's facilities

Conference facilities

No-smoking areas and/or rooms

- Turn the right rotary control (10) to select the address.
- Press the control (10) to transfer this information to the guidance system.

If you know the name of the town and the exact position of the street but not its name
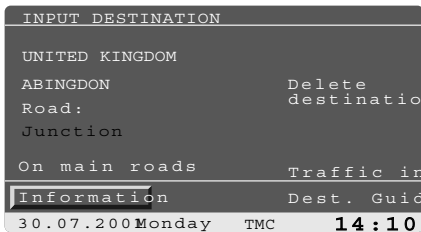
```
INPUT DESTINATION

UNITED KINGDOM

ABINGDON                      Delete
Road:                         destinatio
Junction

On main roads                 Traffic in
Information                   Dest. Guid
30.07.200 Monday    TMC      14:10
```
H4144

The system offers you maps on which you can identify your destination with cross-hairs, then transfer this information to the guidance system.

- Enter the place name, using the method described in 'Entering a destination place'.

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
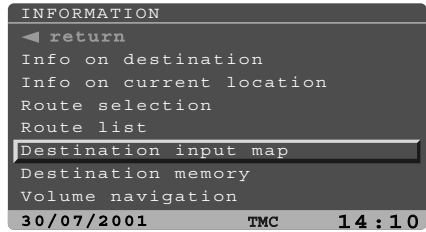
```
INFORMATION
◄ return
Info on destination
Info on current location
Route selection
Route list
Destination input map
Destination memory
Volume navigation
30/07/2001        TMC        14:10
```
H4268

- Turn the control again to select 'Destination Input map'.
- Press the control again to confirm your selection.

If necessary change the scale.

```
N

                              SCALE

                              450 yd

                              Save destina
              4106 4451          40
30.07.200 Monday    TMC      14:10
```
H4145

1. Turn the right rotary control (10) and select 'Scale'.
2. Press the control (10) to confirm selection.
3. Turn the control until the desired scale is seen.
4. Press the control to select this scale.

The visible section of the map changes after a few seconds.

38
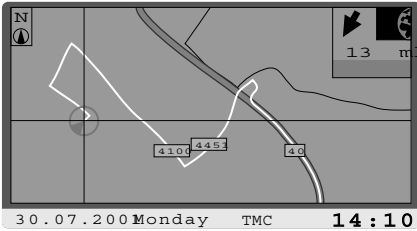
H4146

- Localise the destination with the cross-hairs:

NOTE: The map scrolls across the display (2) when the cross-hairs reach the edge.

1. Turn the right rotary control (10) to select 'Cursor'.
2. Press the control (10) to confirm selection.
3. Turn the control to choose the horizontal point of intersection.
4. Press the control to retain the selection.
5. Turn the control to choose the vertical point of intersection.
6. Press the control to retain this selection.

- To transfer to the destination guidance system:
1. Turn the right rotary control (10) until 'Save destination' is highlighted.
2. Press the control to transfer the destination.

If the scale is greater than 1 mile, the function 'Save destination' cannot be selected.

NOTE: You can also use the 'Destination Input map' function without specifying a place name. This allows you to select a destination with the cursor and then transfer this information to the guidance system.

Special destinations
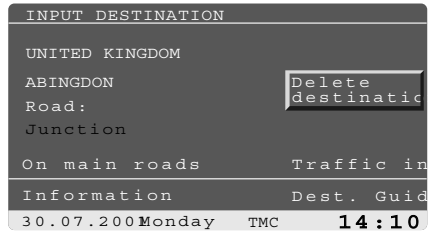
H4147

The map CD currently inserted also contains various places of interest in the country or region in which you are travelling. These are summarised by category.

You can select a destination from one of the lists and transfer it to the destination guidance system.

- Turn the right rotary control (10) to select 'Delete destination' while inputting the destination.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Information'.
- Press the control again to confirm selection.
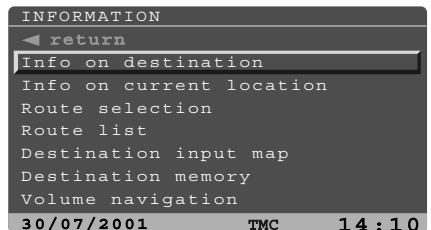
H4142

- Turn the control to select 'Info on destination'.
- Press the control to confirm selection.

```
INFO ON DESTINATION
◄ return
BUS STATION
SHOPPING CENTRE
COLLEGE / UNIVERSITY
AIRPORT
MONUMENT
HOTEL
30/07/2001        TMC        14:10
```
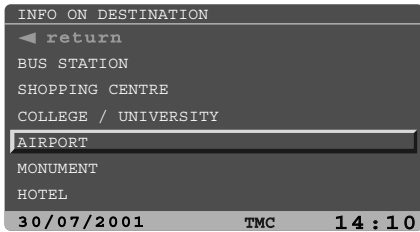
H4148

- Turn the right rotary control (10) to select the destination category, e.g. 'AIRPORT'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Index' and choose an entry from the alphabetical list. You can restrict the number of names displayed in the directory by first entering one or more letters of that name before selecting the 'Index' function.
- Press the control again to confirm selection.
- Turn the control to select the address of the destination located in this way.
- Press the control to confirm selection and to transfer it to the destination guidance system
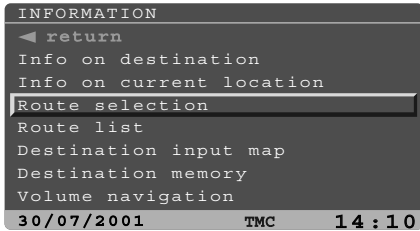
Navigation

MAP SYMBOLS

Depending on the destination entered and the map scale selected, a variety of symbols for facilities of general interest appear in the map mode. These symbols represent the following:

Chemist

Automobile club

Car hire

Station

Bank

Government office

Library

Educational facility

Embassy

Bus station

Monument

Shopping centre

Ferry

Fire station

Airport

Tourist information office

Cash dispenser

Law courts

Golf course

Hotel

Industrial estate

Marina

Cinema

Church

Hospital

Civic centre

Military base

Museum

P + R

Park

Parking

Police

Post office

Rest area

Restaurant

Tourist attraction

Sports centre

City centre

Petrol station

Theatre

Entertainment

Amusement park

Destination

Navigation

ROUTE SELECTION

```
INFORMATION
◄ return
Info on destination
Info on current location
Route selection
Route list
Destination input map
Destination memory
Volume navigation
30/07/2001        TMC      14:10
```
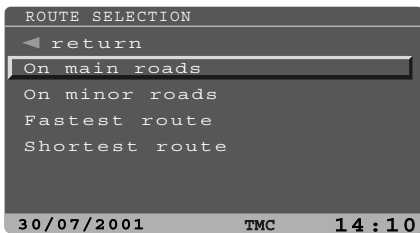H4266

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.

Selecting a route type
You can change the type of route both when selecting a destination and as often as desired while destination guidance is in operation - the system will always adapt to your wishes.

- Turn the right rotary control (10) to select 'Route selection'.
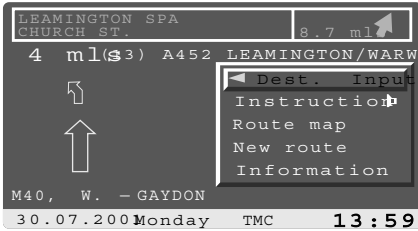- Press the control (10) to confirm selection.

```
ROUTE SELECTION
◄ return
On main roads
On minor roads
Fastest route
Shortest route


30/07/2001        TMC      14:10
```
H4149

- Turn the control to select the preferred type of route.

  1. Fast roads
  Motorways and trunk roads are given priority.

  2. Minor roads
  Motorways are avoided as far as possible

  3. Fastest route
  This is a combination of the fastest and shortest routes.

  4. Shortest route
  The most direct route, irrespective of how fast or slow progress will be

- Press the control to confirm selection.

Navigation

TERMINATING DESTINATION GUIDANCE


```
LEAMINGTON SPA
CHURCH ST.                    8.7 ml
  4  ml(s3)  A452  LEAMINGTON/WARW
       ↰            ◄ Dest.  Input
                    Instruction
       ⇧            Route map
                    New route
                    Information
M40, W. — GAYDON
30.07.200 Monday   TMC     13:59
```
H4150

Destination input
Selecting 'Dest. input' ends destination guidance and speech output.
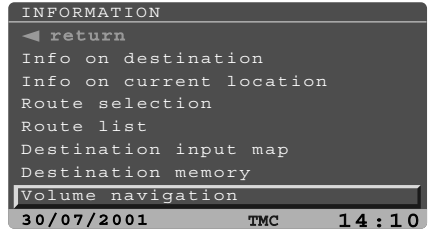
Instruction
During destination guidance, you can suppress the speech output to ensure, for instance, that news bulletins or traffic reports are not interrupted by navigation instructions.
Select 'Instruction' and hold the right rotary control (10) in for about one second. The loudspeaker symbol is crossed out.

When 'Instruction' is selected a further time, the speech output is switched on again

Varying the volume
You can raise or lower the volume of navigation instructions in relation to other audio sources.

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.


```
INFORMATION
◄ return
Info on destination
Info on current location
Route selection
Route list
Destination input map
Destination memory
Volume navigation
30/07/2001            TMC      14:10
```
H4269

- Turn the control again to select 'Volume navigation'.
- Press the control again to confirm selection.
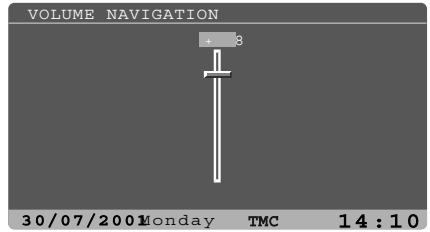

```
VOLUME NAVIGATION
              +  8

30/07/200 Monday   TMC      14:10
```
H4225

- Turn the control until the desired volume setting is obtained.
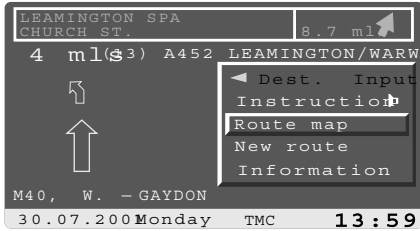- Press the control to confirm / store this setting.

Navigation

DISPLAYING A ROUTE

Route map

During destination guidance, the system can display a map showing the planned route.

- Turn the right rotary control (10) to select 'Route map'.
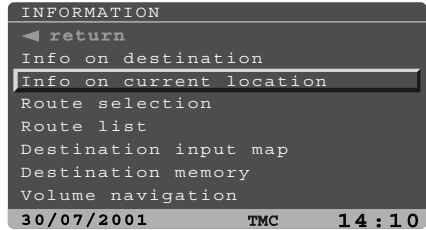

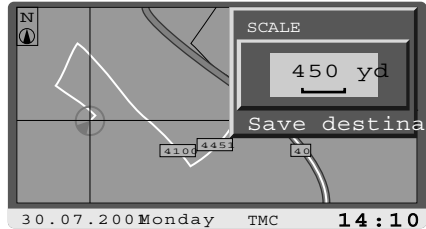H4270

- Press the control (10) to confirm selection.

The route map is automatically shown if destination guidance takes you into a region which has not yet been fully digitised on the inserted map CD.

Changing the map scale

- Turn the right rotary control (10) to select 'Scale'.
- Press the control (10) to confirm selection.

H4265

H4145

- Turn the control again to select the desired scale.
- Press the control again to confirm / store this setting.

The visible section of the map changes after a few seconds.

Changing the display direction

If the scale is smaller than 1 km, you can choose whether to align the map with North at the top, or according to the direction of your chosen route.

- Turn the right rotary control (10) to select 'Map positioning'.
- Press the control (10) to confirm selection.
- Turn the control again to select the desired direction.
- Press the control again to confirm selection.
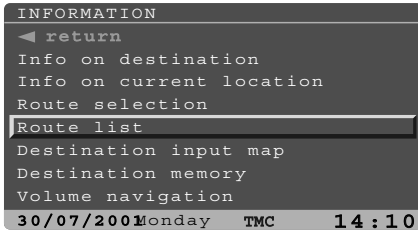
Displaying the route list.

You can call up a list of places and streets during destination guidance. The list is based on the route proposed by the navigation system.

Navigation

The length of the individual streets or roads is also indicated.

To display the route list during destination guidance:

- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.

```
INFORMATION
◄ return
Info on destination
Info on current location
Route selection
Route list
Destination input map
Destination memory
Volume navigation
30/07/2001 Monday    TMC    14:10
```
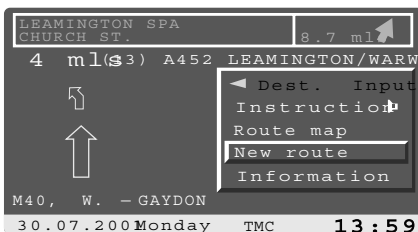H4267

- Turn the control again to select 'Route list'.
- Press the control again to confirm selection.
- Turn the control to select the desired route list.
- Press the control to confirm selection.

AVOIDING ROAD CONGESTION

You can quit the navigation system during destination guidance and deviate from planned sections of the route. You indicate the distance in kilometres/miles after which you wish to return to the original route.

```
LEAMINGTON SPA
CHURCH ST.              8.7 ml
 4  ml(3) A452 LEAMINGTON/WARW
                    ◄ Dest.  Input
        ↖           Instruction ▶
                    Route map
        ⇑           New route
                    Information
M40, W. - GAYDON
30.07.200 Monday    TMC    13:59
```
H4271

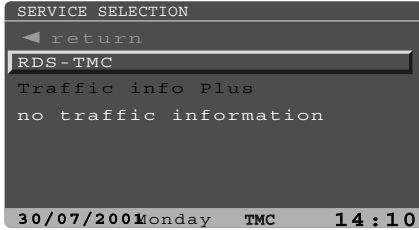- Turn the right rotary control (10) to select 'New route'.

- Press the control (10) to confirm selection.
- Turn the control again to select the desired distance.
- Press the control again to confirm selection.

The system will return you automatically to the original route at the next opportunity.

NOTE: To help you avoid traffic jams and other road congestion, your navigation system can display traffic information from your vehicle's radio by activating TMC.

Navigation

TRAFFIC INFORMATION

```
SERVICE SELECTION
◄ return
RDS-TMC
Traffic info Plus
no traffic information



30/07/2001 Monday    TMC    14:10
```
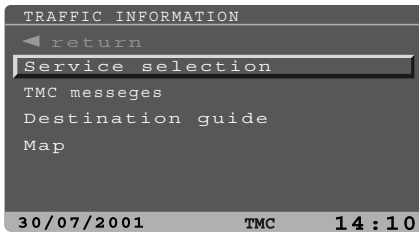H4153

You can receive Traffic Message Channel (TMC) information and have it displayed on the screen during destination guidance.

Activating traffic information
To activate the TMC traffic information function from the 'Input destination' screen:
• Turn the right rotary control (10) to select 'Traffic-info'.
• Press the control (10) to confirm selection.

```
TRAFFIC INFORMATION
◄ return
Service selection
TMC messeges
Destination guide
Map


30/07/2001          TMC    14:10
```
H4272

• Turn the control again to select 'Service selection'.
• Press the control again to confirm selection.
• Turn the control to select 'RDS-TMC'. 'TMC' appears in black in the bottom line of the display. The display changes to green as soon as a TMC channel is received.
• Press the control to confirm selection.

NOTE: The radio can also receive TMC stations while you are listening to another station. This feature is described in the radio section of this Handbook.

Traffic information symbols
The system distinguishes between different types of road incidents and displays appropriate symbols on the route map.

Accident

Closed road

Delay

Stationary traffic

No parking

Slippery road

Cross winds

Roadworks

Danger

The symbols appear:
1. In colour with a red border along intended route.
2. In black and white with a grey border if not on the proposed route.

Where a scale of 10 km or less is being used, additional detailed information such as the length, direction and severity of the congestion is shown by arrows along the route. For example:

Slow traffic

Stop-and-go traffic

Stationary traffic

NOTE: If the scale being used is greater than 10 km, a traffic incident is shown by an arrow pointing in the direction affected.

Navigation

Selecting traffic information

To determine the nature of the incident:

- Turn the right rotary control (10) to select 'Traffic-info'.

- Press the control (10) to confirm selection.

- Turn the control again to select 'TMC messages'.

- Press the control again to confirm selection.

```
TMC  MESSAGES
Accidents        Parking
Danger           Slow traffic
Heavy winds      Stop -and-go
Slippery road    Stationary t
Delay            Closed road
Roadworks
◀ return          memorise
30/07/2001 Monday   TMC    14:10
```
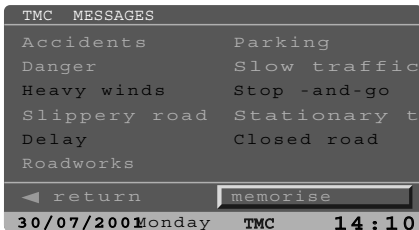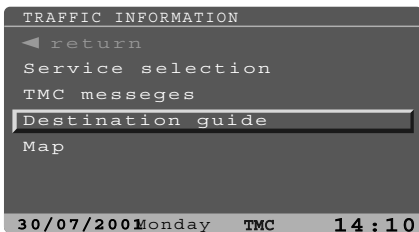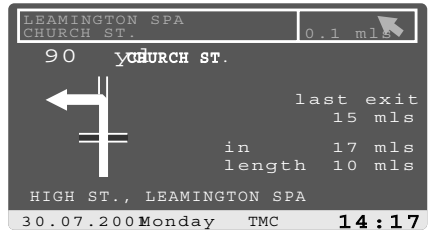H4155

- Turn the control to select the incident type. Any known incidents appear in green.

- Press the control to activate / de-activate the selection.

- Turn the control to select 'memorise'.

- Press the control to confirm selection.

```
TRAFFIC INFORMATION
◀ return
Service selection
TMC messeges
Destination guide
Map


30/07/2001 Monday   TMC    14:10
```
H4154

- Turn the control to select 'Dest. guide' or 'Map', to switch to destination guidance or the route map.

- Press the control to confirm selection.

Traffic information during destination guidance

```
LEAMINGTON SPA
CHURCH ST.                    0.1 mls
  90   you CHURCH ST.

                         last exit
                            15 mls

                      in      17 mls
                      length  10 mls
HIGH ST., LEAMINGTON SPA
30.07.200 Monday   TMC    14:17
```
H4156

The following information will appear in the route guide before any stationary traffic:
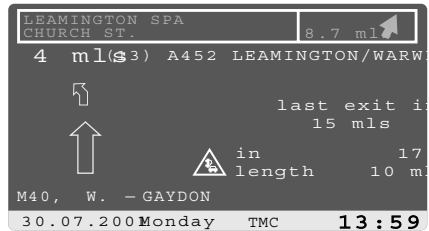
```
LEAMINGTON SPA
CHURCH ST.                    8.7 ml
  4  mls (3) A452 LEAMINGTON/WARW

                         last exit i
                            15 mls

                  in            17
                  length        10 m
M40,  W. − GAYDON
30.07.200 Monday   TMC    13:59
```
H4277

1. The cause of the congestion, this will be shown using the symbols.
2. The distance until you reach the congestion.
3. The length of the congestion.
4. The distance before the last possible exit.

If the navigation system detects congestion or stationary traffic on the intended route, a warning symbol appears next to 'Route map' in the destination guidance mode.

Navigation
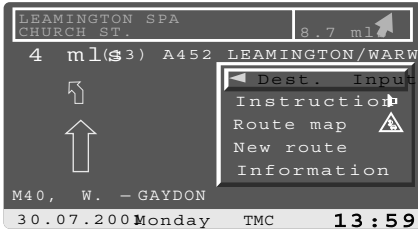
H4278

At approximately 3 miles (5 kilometres) before the last possible exit prior to the congestion, 'Diversion' appears in the destination guidance screen.
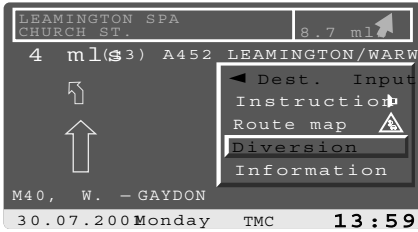
H4279

To avoid the congestion, turn the right rotary control and select 'Diversion'.

The navigation system calculates a new route and then returns to destination guidance mode.

If you have selected another mode whilst destination guidance is still active and the navigation system detects congestion ahead, you are automatically prompted to take a diversion.

De-activating traffic information.
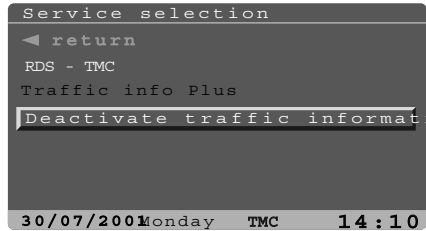
H4159

If you do not wish to receive TMC traffic information:

- Turn the right rotary control (10) to select 'Traffic-info'.

- Press the control (10) to confirm selection.

- Turn the control again to select 'Service selection'.

- Press the control again to confirm selection.

- Turn the control to select 'no traffic information'.

- Press the control to confirm selection.

'TMC' disappears from the bottom line of the screen.

Navigation

VEHICLE POSITION
You can call-up the present location of your vehicle or display a road map showing your position.

```
INFORMATION
◄ return
Vehicle position




30/07/2001 Monday    TMC      14:10
```

H4160

Vehicle position display
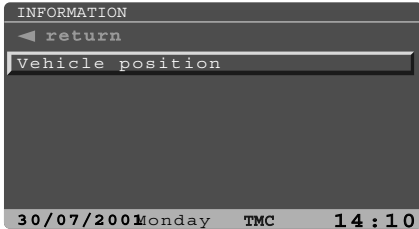To call-up the vehicle's current position:
- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Vehicle position'.
- Press the control again to confirm selection.
- Press to select the display.

Road map
From the road map select:
- 'Information'.
- 'Vehicle position'.
- 'Street map'.

This function can also be useful if you have not input a destination. It enables you to monitor the route you have taken so far.

If the scale is less than 1 kilometre, you can choose whether to align the map with North at the top, or according to the direction of your chosen route.

Entering the vehicle position
Correcting the vehicle's current location is only recommended in exceptional circumstances. After a journey where the vehicle is not being driven but is being transported, for example, a ferry or motor rail journey, the GPS receiver requires a few minutes to find your new location. This search period can be shortened by entering the vehicle's current location.

To enter the vehicle's current location:
- Turn the right rotary control (10) to select 'Information'.
- Press the control (10) to confirm selection.
- Turn the control again to select 'Vehicle position'.
- Press the control again to confirm selection.
- Enter the address of the vehicle's current position in the same way that you enter a destination, see 'Entering a destination place'.

Television
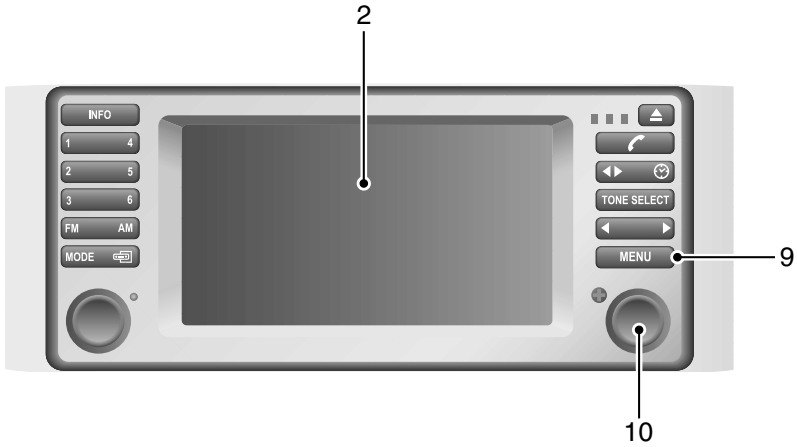
H4283

TELEVISION CONTROLS

2. Display.

9. MENU button.

10. Right rotary control
Turn to select a menu item, press to confirm
selection.

Television

TV INTRODUCTION

Up to 10 TV stations can be stored manually or automatically. Picture format and TV format can be adjusted to suit individual requirements and teletext can be used to display the latest news and information.

NOTE: For occupant safety, the TV picture is only displayed up to speeds of 2 m.p.h. but the sound signal can be heard while the vehicle is being driven.

SELECTING TV


```
                  MENU
On-board compute Television
GPS-navigation   DSP
Telephone        Aux heat/vent
Code
Set              Monitor off
30.07.200 Monday   TMC    14:10
```
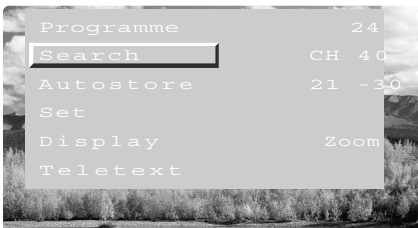H4162

Press the MENU button (9) on the control panel to display the menu.

- Turn the right rotary control (10) to select 'Television'.
- Press the right rotary control (10) to confirm selection.

Searching for a station


```
Programme             24
Search           CH 40
Autostore        21 -30
Set
Display          Zoom
Teletext
```
H4165

- Turn the right rotary control (10) to select 'Search'.

- Press the right rotary control (10) to confirm selection.

- Turn the control again to start the station search.

Station search is halted when a station with a sufficiently strong signal is located on a reception channel.

If reception quality deteriorates, a search procedure starts automatically. If the word 'Mute' appears on the screen this indicates that the TV sound has been automatically suppressed.

Trial view and selection

You can display all the memorised stations briefly and then select one.

- Turn the right rotary control (10) to select 'Programme'.
- Press the right rotary control (10) and hold in for about one second.
- Press the control again to continue viewing the displayed stations.

Storing stations manually

You can allocate stations to any presets you wish:

- Turn the right rotary control (10) to select 'Search'.
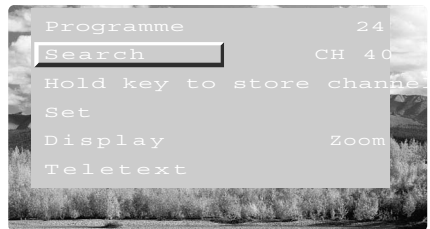

```
Programme             24
Search           CH 40
Hold key to store channel
Set
Display          Zoom
Teletext
```
H4167

- Press the right rotary control (10) to confirm selection.

51

Television

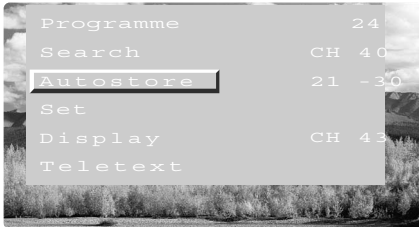- Turn the control again to start station search. Station search is halted when a station with a sufficiently strong signal is located.

- Press the control again and hold in for about one second.

H4168

- Turn the control until the desired memory position between 1 and 30 is displayed.

- Press the control to store the selection.

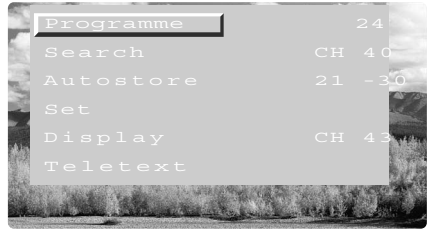## Storing stations automatically

H4163

- Turn the right rotary control (10) or press until the TV menu is displayed.

- Turn the right rotary control (10) to select 'Autostore'.

- Press the control again to start an automatic station search with memorising.

If the inputs are not made within four seconds, this process will have to be repeated.

The first 10 stations are stored in memory locations 21 - 30.

Selecting a stored station

H4164

The station stored in memory location 21 is automatically shown when TV is selected.

To select a different memorised station:

- Turn the right rotary control (10) or press until the TV menu is displayed.

- Turn the control again to select 'Programme'.

- Press the control again to confirm selection.

- Turn the control until the desired station is tuned.

Selecting TV format

Not all countries use the same TV format. However, you can adapt your unit to accept the format of the country in which you are driving. (PAL, SECAM, NTSC)

- Turn the right rotary control (10) or press until the TV menu is displayed.

- Turn the control again to select 'Set'.

- Press the control again to confirm selection.

- Turn the control to select 'TV format'.

H4275

- Press the control to confirm selection.
- Turn the control to select the country in which you are currently travelling from the list displayed.


H4276

- Press the control to confirm/exit.

ADJUSTING THE TV SCREEN

Adjusting contrast, brightness and colour

- Turn the right rotary control (10) to select 'Set'.
- Press the right rotary control (10) to confirm selection.
- Turn the control again to select the desired control.
- Press the control again to confirm selection.

H4234

- Turn the control to alter the setting.
- Press the control to confirm/exit.

Adjusting picture format
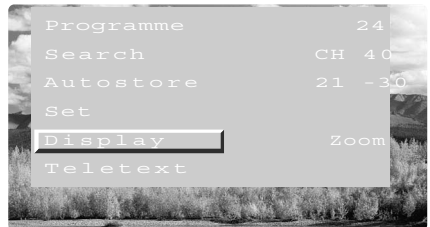
H4169

- Turn the right rotary control (10) or press until the TV menu is displayed.
- Turn the control again to select 'Display'.
- Press the control again to confirm selection.
- Turn the control to select the desired picture format:
  4:3
  16:9
  Zoom - proportional enlargement.
- Press the control to confirm/exit.

Television

Selecting Teletext

H4170

- Press the MENU button (9) on the control panel.
- Turn the right rotary control (10) to select 'Television'.
- Press the right rotary control (10) to confirm selection.
- Turn the control again or press until the TV menu is displayed.
- Turn the control to select 'Teletext'.
- Press the control to view teletext.

If the inputs are not made within four seconds, this process will have to be repeated.

Selecting information

Turn the right rotary control (10) until the desired page number appears at the top left.
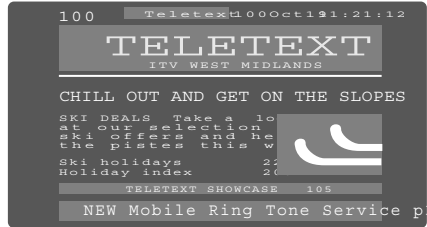
H4256

The page will be located and displayed. Subsequent pages will be displayed automatically if the information extends over one page.

Suppressing next page

H4172

If the information occupies more than one page, the signal to move onto the next page comes from the transmitter. You can suppress it as follows:

- Press the right rotary control (10) to enter the teletext menu.
- Turn the right rotary control (10) to select 'Hold'.
- Press the control again to confirm selection.

Enlarging text

- Press the right rotary control (10) to enter the teletext menu.
- Turn the right rotary control (10) to select 'Zoom'.
- Press the control again to confirm selection.
- To enlarge the text, press the right rotary control:
  once to enlarge the upper half of the screen display
  twice to enlarge the lower half of the screen display.
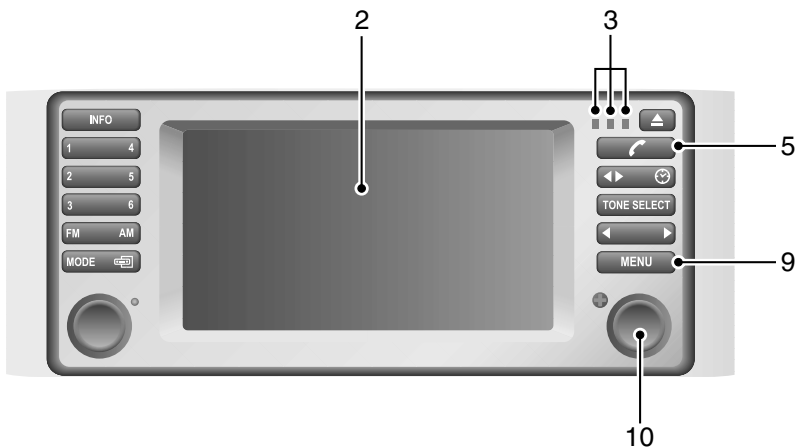- To see the complete screen display again, press the right rotary control for a second time.

To quit teletext

- Press the right rotary control (10) to enter the teletext menu.
- Turn the right rotary control (10) to select 'TV'.
- Press the control again to return to TV reception.

Telephone

H4284

TELEPHONE CONTROLS

2. Display.
3. Phone operation lights.
5. Telephone functions button
Press to call an entered phone number.
Press to end a call.
9. Menu button
Press to obtain the general menu and also
to return to the menu from a system.
10. Right rotary control
Turn to select a menu item, press to confirm
selection.

Telephone

USING THE TELEPHONE IN THE VEHICLE

| IMPORTANT |
|---|
| Use of the phone while you are driving is dangerous as it diverts your attention from the traffic situation. In some countries it is prohibited and in other countries a hands-free unit must be used by those wishing to use the phone while driving. When you wish to use your phone, you should stop at an appropriate place where you are not endangering or inconveniencing other vehicles. |

The on-board computer can be used to carry out the following phone functions quickly and directly:
Making an emergency call.
Dialling by name (stored on SIM card).
Dialling by entering a phone number.
Reading SMS messages.

These functions will operate provided you have stored the relevant information in the phone or activated the relevant functions.

It is possible to use the hands-free phone unit stored in the cubby box.
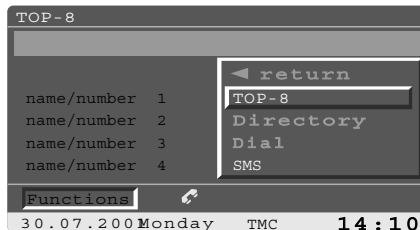
GETTING STARTED
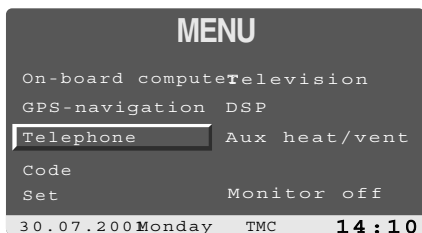
H4173

- Press the MENU button (9) on the control panel to call-up the general menu.
- Turn the right rotary control (10) until 'Telephone' is highlighted.
- Press (10) to call-up the telephone functions.

NOTE: If subscribers are already memorised under TOP-8, they will be displayed. Otherwise the subscribers memorised in the directory will be displayed.

H4174

The telephone functions are called up from the menu shown above:

- Turn the right rotary control (10) to select a function.
- Press (10) to confirm this selection.

Inserting a SIM card
A small size SIM card needs to be inserted into a Land Rover approved SIM card adaptor. The adaptor card case shows instructions on how to use.

Use of the Handset
See 'Telephone Handbook'.

Hands-free operation
Calls accepted/dialled via the on-board computer or the steering wheel switches will be in hands-free mode. Calls can be transferred between the cordless handset and hands-free mode as defined in the 'Telephone Handbook'.

Emergency call
It is possible to make an emergency call on the GSM network without the SIM card inserted.

- Turn the right rotary control (10) until 'SOS' is highlighted.

Telephone

- Press (10) to activate this selection. 'SOS: 112' and your current location appear in the display.

- Press the telephone functions button (5) on the control panel or alternatively, turn the right rotary control (10) until the phone icon is marked and press (10) to activate. Press (10) a further time to end the emergency call.

NOTE: Always tell the emergency centre your phone number (if the SIM card is inserted), your name, your location and the nature of your emergency. The on-board computer will show your location (longitude and latitude figures) for you to pass to the operator.

PERSONAL IDENTIFICATION NUMBER (PIN)
Entering PIN
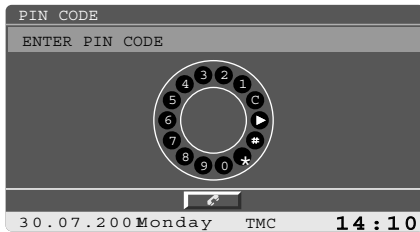
H4176

When starting up, the unit asks you to enter your PIN code (only if you have previously entered a PIN which is then stored on your SIM card) (PIN = Personal Identification Number).

The request to 'ENTER PIN CODE' appears on the display.

Enter the figures of your PIN code one after the other:

- Turn the right rotary control (10) until the desired digit is highlighted.

- Press (10) to confirm.

After the PIN code has been entered, turn the right rotary control (10) until '#' is highlighted and press (10) to confirm the PIN code.

Correcting the number

- Turn the right rotary control (10) until 'C' is highlighted.

- Press (10) to correct the number. The last digit entered is deleted.

RECEIVING CALLS

NOTE: The radio/cassette/CD will mute and a ringing tone will be heard.

Press the telephone functions button (5) on the control panel or turn the right rotary control (10) until the telephone icon is highlighted or press the phone button on the steering wheel.

Press to answer the call.

If the name and telephone number of the caller are stored on the telephone card, they are displayed.

DIALLING BY NAME
Selecting names

You must have the relevant names and their numbers saved on the SIM card.

- Turn the right rotary control (10) until 'Functions' is highlighted.

- Press (10) to activate functions.

- Turn (10) until 'Directory' is highlighted.

- Press (10) to activate 'Directory'.

The first eight names appear on the screen in alphabetical order.

- Turn the right rotary control (10) until the desired name is highlighted.
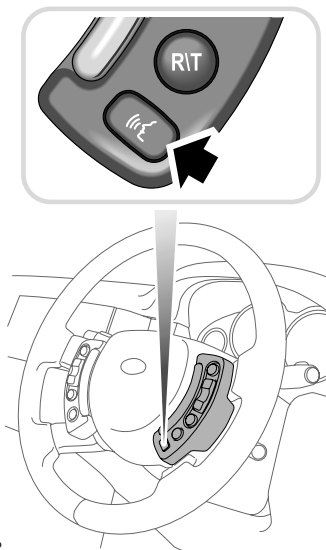
- Press (10) to activate the name.

The name and then the number of the contact are displayed.

Telephone

Starting dialling

Press the telephone functions button (5) on the control panel or alternatively turn the right rotary control (10) until the phone icon is marked, then press to start dialling.
Another method is to briefly press the telephone/voice recognition button on the steering wheel (See below).

H4152

Scrolling in the directory

- Turn the right rotary control (10) until '<<' (descending) or '>>' (ascending) is highlighted.
- Press (10) to activate the function.

The previous/next eight names are displayed.

Number memory

The last ten numbers dialled can be recalled using the number memory:

NOTE: Each time a new number is dialled, the last number in the memory list is deleted and the new number added.

- Turn the right rotary control (10) until 'Dial' is marked.
- Press (10) to activate 'Dial'.
- Turn (10) until 'Number memory' is highlighted.
- Press (10) to activate the 'Number memory'.

The number last dialled will be displayed.

To dial further contacts:

- Turn the right rotary control (10) to the left and the last 10 numbers memorised will be displayed, in reverse order, beginning with the least recent.
- Turn the right rotary control (10) to the right and the last 10 numbers will be displayed in normal order starting with the most recent.

Deleting a number from number memory

- Turn the right rotary control (10) until the number you wish to delete appears on the screen.
- Press and turn (10) until 'Dial' is marked.
- Press and turn (10) until 'C' is marked.
- Keep (10) pressed until the last number is deleted.

If the digits are deleted one by one, by quickly pressing the control (10), the number remains in memory.

NOTE: You can only delete from number memory, not SIM card.

TOP-8

With this function you can call-up the names or phone numbers of the eight names that you most frequently call from the phone book. These names are automatically memorised.

Telephone

Dialling a TOP-8 contact

- Turn the right rotary control (10) until the desired name is highlighted.

- Press (10) to activate the name.

The name and then the number of the contact are then displayed.

Selecting the function

- Turn the right rotary control (10) until 'Functions' are highlighted.

- Press (10) to activate 'Functions'.

- Turn (10) until 'TOP-8' is highlighted.

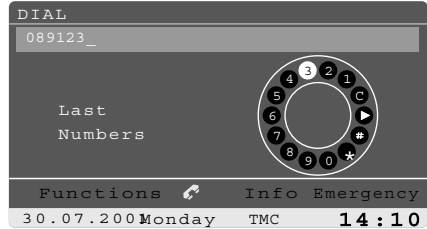- Press (10) to activate TOP-8.

Ending a call

Press the telephone functions button (5) on the control panel or alternatively turn the right rotary control (10) until the phone icon is marked, then press (10) to end the call.

If a name has not been used very often in the past, it will automatically be eliminated from the TOP-8 list and will have to be dialled via the 'Directory' function.

Deleting names/numbers in the TOP-8 list

- Select 'TOP-8'.

- Turn the right rotary control (10) until the name or the number you wish to delete is marked.

- Keep (10) pressed until the name or number is deleted.

DIALLING BY ENTERING THE PHONE NUMBER

H4179

- Turn the right rotary control (10) until 'Functions' is highlighted.

- Press (10) to activate functions.

- Turn (10) until 'Dial' is activated.

- Press (10) to activate dial.

Entering a phone number

To enter the number '024', turn the right rotary control (10) until the digit '0' is marked, then press (10) to accept the zero.

In the same way, select all the remaining digits making up the phone number.

If the number needs to be corrected, turn the right rotary control (10) until 'C' is highlighted, then press (10) to activate the function:

- Press (10) briefly and the last digit entered is deleted

- Keep (10) pressed for a while and the entire number is deleted.

When the number has been entered correctly, turn the right rotary control (10) until the right arrow is marked and then press (10) to end the number input.

Starting dialling

Press the telephone functions button (5) on the control panel or alternatively, turn the right rotary control (10) until the phone icon is marked, then press (10) to start dialling.
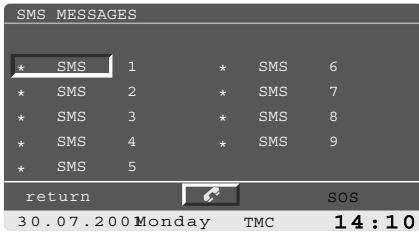
Telephone

Ending a call

Press the telephone functions button (5) on the control panel or alternatively, turn the right rotary control (10) until the phone icon is marked, then press (10) to end the call.

SMS MESSAGES

```
SMS MESSAGES

*    SMS   1        *   SMS   6
*    SMS   2        *   SMS   7
*    SMS   3        *   SMS   8
*    SMS   4        *   SMS   9
*    SMS   5
  return              ✆          SOS
30.07.200 Monday    TMC      14:10
```
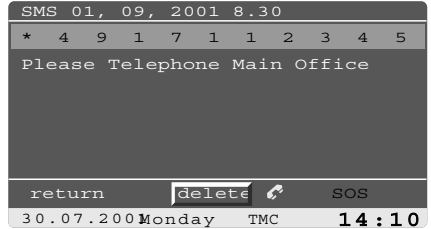
H4180

Your phone system supports Short Message Services (SMS) and can display text messages.

Reading SMS messages

- Turn the right rotary control (10) until 'Functions' is highlighted, then press (10) to activate.

- Turn (10) until 'SMS' is highlighted, then press (10) to activate.

If the '>>' symbol is displayed, further messages are stored. Turn the right rotary control (10) until '>>' is highlighted, then press(10).

Calling the sender back

```
SMS 01, 09, 2001 8.30
*   4  9  1  7  1  1  2  3  4  5
Please Telephone Main Office



  return     delete   ✆     SOS
30.07.200 Monday    TMC      14:10
```

H4181

While the message is displayed, turn the right rotary control (10) until the phone icon is marked and then press (10). The message sender's number is then dialled.

Deleting SMS messages

- Turn the right rotary control (10) until 'delete' is highlighted.

- Keep (10) pressed until the message is deleted.

NOTE: If a letter symbol appears on the lower edge of the screen, unread SMS messages have been received.

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 sunrise 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

Navigation commands

- Map/Route map
- Scale 100 metre/Scale 100 kilometre
- Petrol station at current location/at destination
- Car parks at current location/at destination
- Hotels at current location/at destination
- Restaurants at current location/at destination
- Destination guide/Destination guidance
- Save position/Save current position
- Instruction
- Instruction off
- New route.

Activating the system
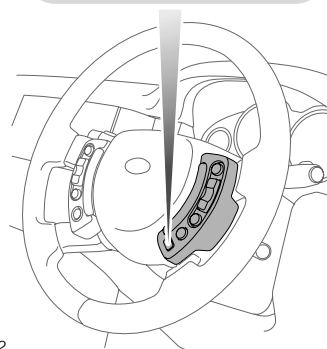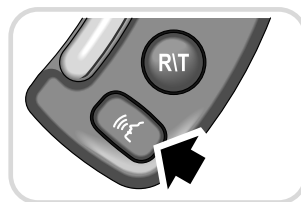
H4152

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 'check control 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 main 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

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.

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 best
the person who made the entries.

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

GPS NAVIGATION BY VOICE CONTROL

Selecting map mode
The commands
>>Route map<<
or
>>Map<<
call up the map mode on the on-board computer monitor display screen, irrespective of which menu it is currently showing.

When the map mode has been activated, you can request all valid scales with the commands
>>Scale (one) hundred metres<<
to|
>>Scale (one) hundred kilometres<<

Valid scales are:
100, 200 or 500 metres
1, 2, 5, 10, 20, 50 or 100 kilometres

Information on current position or destination
Following the command
>>Petrol station at current location<<
all petrol stations in your vicinity are listed on the display screen.

If you have entered a destination in the navigation system, you can also ask for all petrol stations in the vicinity of that destination with the command
>>Petrol station at destination<<
to obtain a list of all petrol stations in the vicinity of the destination. Browse up and down the list, if any, with the right rotary control.

As soon as you have issued this command once, from that point on petrol stations are always flashed up on the road maps.

The same principle applies to calling up information on car parks, hotels or restaurants. Depending on which command was used most recently, car parks, hotels or restaurants are also shown on road maps.

Activating destination guidance
The command
>>Destination guide<<
or
>>Destination guidance<<
activates the destination guidance function of the navigation system, provided a destination has been entered.

The command
>>Save (current) position<<
memorises your current position as the starting point for the navigation process. To confirm, in addition, press the right rotary control.

The commands
>>Instruction<<
and
>>Instruction off<
switch the spoken instructions for the navigation system on and off.

The command
>>New route<<
prepares the on-board computer for immediate input of information of your choice, using the right rotary control.

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

System Settings

SYSTEM SETTINGS

Altering the system settings
Your vehicle is delivered with a basic setting for all displays, which depend upon the country for which the vehicle is intended.

These settings can be altered to suit your preferences.

Press the MENU button on the control panel to display the general menu screen.

- Turn the right rotary control until 'Set' is highlighted.
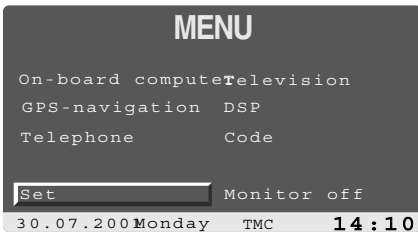
```
         MENU

On-board computerTelevision
GPS-navigation  DSP
Telephone       Code

Set             Monitor off
30.07.200Monday   TMC    14:10
```
H4121

- Press the right rotary control to obtain a list of possible settings.
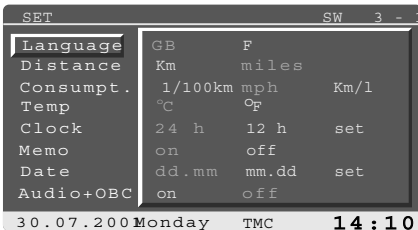
```
 SET                    SW   3 - 1
Language  GB      F
Distance  Km      miles
Consumpt.  1/100km mph     Km/l
Temp      °C      °F
Clock     24 h    12 h     set
Memo      on      off
Date      dd.mm   mm.dd    set
Audio+OBC on      off
30.07.200Monday   TMC    14:10
```
H4122

You can alter:

- The language of the display texts,
- The units of measurement for distance, fuel consumption and temperature,
- The time and date

and the way these are expressed.

The following can also be changed by turning the control further:

1. **Memo**
   Shortly before the hour, three signal tones will be emitted. If you have switched on this function, you will see a soundwave symbol at the bottom edge of the display screen, after the day.

2. **Audio + OBC**
   means radio and on-board computer displays appear on the screen at the same time.

1. **On-board computer display**
   You can choose whether to have the outside temperature or your estimated time of arrival displayed.

2. **Colour set**
   means you select a set of colours for the display screen from the three options available.

3. **Day/night**
   means you can switch the automatic day/night changeover function for colour set on or off.

System Settings

To change the date
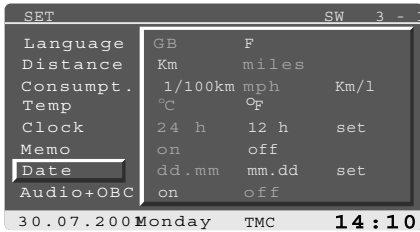
H4123

For an example, changing the date is used to illustrate how to alter a system setting.

- Turn the right rotary control until 'Date' is highlighted.
- Press the right rotary control to confirm this.
- Turn until 'set' is highlighted.
- Press to start the adjustment procedure.
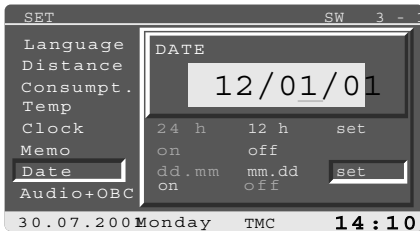
H4124

- Turn the right rotary control to adjust the year.
- Press to store.
- In the same way, set the month and weekday.

The date entry is memorised with your last save.

You can also choose the order in which you wish the date to be displayed; either the days (dd) first followed by the months (mm) or in the opposite order.

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