

**USER'S MANUAL  
MANUAL DEL USUARIO  
GEBRUIKERSHANDLEIDING**

# NAVIGATION



## **INTRODUCTION**

This document contains the operating instructions for the Chrysler NAVIGATION RADIO (RB3) radio navigation system.

## **WARNINGS AND CAUTIONS**

This manual contains WARNINGS against operating procedures that could result in an accident or bodily injury. It also contains CAUTIONS against procedures that could result in damage to your vehicle. If you do not read the entire manual you may miss important information. Observe all Warnings and Cautions!

## **SAFETY REFERENCES**

Before operating this navigation system for the first time, please read this manual carefully. Note the safety precautions described in this manual.

## **INTENDED USE**

Generally recognized rules of navigation technology were maintained during the development and manufacture of the RB3. Therefore the users are sufficiently protected when the system is used for its intended use. For the use of the product, especially in motor vehicles, the state-specific norms and guidelines are to be considered.

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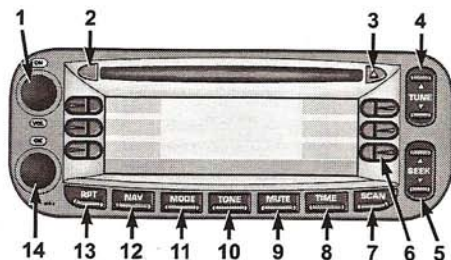
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## OPERATING INSTRUCTIONS

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## USER INTERFACE ELEMENTS - RADIO

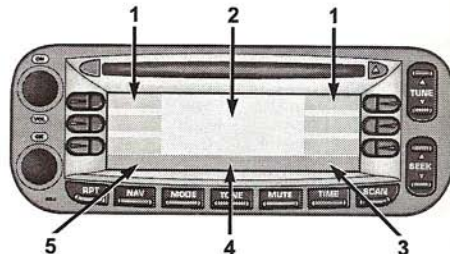


RB3 User Interface Buttons

| Button | Function                  | Description                                                                 |
|--------|---------------------------|-----------------------------------------------------------------------------|
| 1.     | ON / Volume Rotary Knob   | ON/ OFF Button and Volume Control Knob                                      |
| 2.     | Anti Theft LED            | Starts blinking after radio shuts down                                      |
| 3.     | CD Eject Button           | Eject Button for internal CD Drive                                          |
| 4.     | Radio Station Tune Button | Tune function for radio receiver, Skip function for CD Drive and CD Changer |

|     |                            |                                                           |
|-----|----------------------------|-----------------------------------------------------------|
| 5.  | Audio Seek Button          | Seek function for radio receiver, CD Drive and CD Changer |
| 6.  | Multi Function Buttons     | Software programmable buttons with multiple functions     |
| 7.  | Audio Scan Button          | Scan function for radio receiver, CD Drive and CD Changer |
| 8.  | Time Menu Button           | Switches to Time Settings Menu                            |
| 9.  | Audio Mute Button          | Mutes Radio Audio                                         |
| 10. | Tone Settings Menu Button  | Switches to Tone Settings Menu                            |
| 11. | Radio Mode Button          | Toggle between Radio Modes (FM>MW>LW>CD >CD Changer)      |
| 12. | Navigation Mode Button     | Switches to Navigation Mode; Cancels Route Guidance       |
| 13. | Announcement Repeat Button | Repeats the last Navigation Announcement                  |
| 14. | OK / Select Rotary Knob    | Confirmation Button and Selection Knob                    |

## USER INTERFACE ELEMENTS - SCREEN



RB3 Screen Structure

| Area | Function                   | Description                                                              |
|------|----------------------------|--------------------------------------------------------------------------|
| 1.   | Software defined functions | 3 multifunction buttons to left and 3 multifunction buttons to the right |

| Area | Function                | Description                                                                                                                                                                                                                            |
|------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.   | Central Screen Area     | For displaying various interactive elements. Dialog boxes, Lists, Smart Speller for Navigation Data Input. The central screen area can be extended through a multifunction button area for displaying, for example, long street names. |
| 3.   | Mode independent Status | Displays mode independent information (time).                                                                                                                                                                                          |
| 4.   | Active Mode Status      | Displays the status information of the current active Mode.                                                                                                                                                                            |
| 5.   | Selected Mode Status    | Displays the current active Mode.                                                                                                                                                                                                      |

## REMOTE SOUND SYSTEM CONTROLS

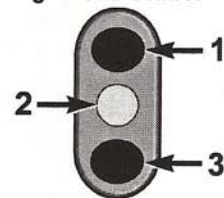
### General

The remote sound system controls are located on the rear surface of the steering wheel. Reach behind the wheel to access the switches.



Back View Of Steering Wheel

### Right Hand Control



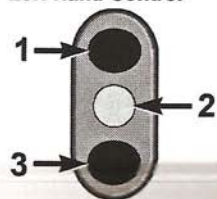
The right hand control is a rocker type switch with a push button in the center and controls the volume and mode of the sound system. Pressing the top of the rocker switch (1) will increase the volume and pressing the bottom of

the rocker switch (3) will decrease the volume. Pressing the center button (2) will make the radio switch between the various modes available (FM, CD, NAV etc.).

### NOTE:

**To switch to the navigation mode, press and hold the center button for 3 seconds.**

### Left Hand Control



The left hand control is a rocker type switch with a push button in the center. The function of the left hand control is different depending on which mode you are in.

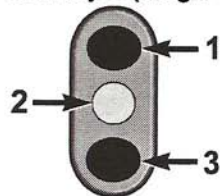
The following describes the left hand control operation in each mode.

### Radio Operation

Pressing the top of the switch (1) will seek up for the next listenable station and pressing the bottom of the switch (3) will seek down for the next listenable station.

The button located in the center of the left hand control (2) will tune to the next preset station that is programmed in the radio station preset multifunction buttons.

### CD Player (Single Disc In Radio)

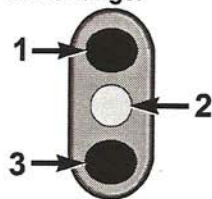


Pressing the top of the switch (1) will go to the next track on the CD and pressing the bottom of the switch (3) will go to the beginning of the current track or to the beginning of the previous track if it is within one second after

the current track begins to play.

The button located in the center of the left hand control (2) has no function.

### CD Changer

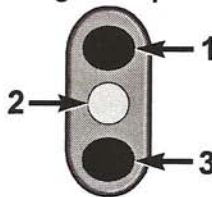


Pressing the top of the switch (1) will go to the next track on the CD and pressing the bottom of the switch (3) will go to the beginning of the current track or to the beginning of the previous track if it is within one second after

the current track begins to play.

The button located in the center of the left hand control (2) will play the next disc in the CD changer.

### Navigation Operation



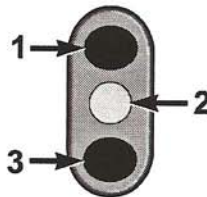
Pressing the top of the switch (1) will scroll up in selection lists and pressing the bottom of the switch (3) will scroll down in selection lists.

The button located in the center of the left hand control (2) will confirm the highlighted selection or will cancel your input or cancel your route guidance.

### NOTE:

**Additional function on right hand control switch:**

To access the function of the sixth multifunction button, press and hold the center button (2) for 3 seconds!

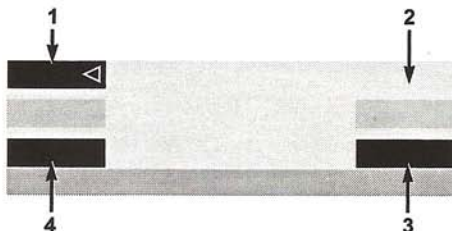


Pressing the top of the switch (1) will increase the Audio Program Volume and pressing the bottom of the switch (3) will decrease the Audio Program Volume.

Press and hold the center of the switch (2) for 3 seconds to access the function of the sixth multifunction button

**NOTE:**

The rest of the multifunction buttons in the NAV screen are not accessible through the remote sound system controls.

**USER INTERFACE MENU SYSTEM**

- 1 Next menu (Submenus present) when triangle arrow present
- 2 No function
- 3 Function
- 4 Highlighted

Available multifunction button states (button symbols):

1. A triangular arrow symbol indicates an available sub menu level.

2. No button symbol indicates, that the use of this multifunction button has no effect.

3. A regular button symbol calls the function named on the button symbol.

4. A highlighted button symbol indicates an active function.

**THEFT PROTECTION (CODE NUMBER)**

After an interruption of the radio's power supply (e.g. changing or disconnect battery), ENTER CODE NUMBER will appear on the display when the radio is switched on. Once you have entered the five-digit code, the radio will again be ready for operation. The code number is printed on the RADIO CODE CARD that comes with the radio.

**IMPORTANT:** Keep your RADIO CODE CARD in a safe place. Never leave it in the vehicle.

If you lose the RADIO CODE CARD contact your local Chrysler dealer.

**ENTERING THE CODE NUMBER**

Switch on the radio by turning on the ignition. Enter code appears in the display. Use the multifunction buttons to select the code (each digit is 1 to 6). The radio mode is activated once you have entered the correct code.

Enter code is redisplayed if a wrong code was entered. In this case you must enter the code again. "LOCKED wrong code" is displayed and the radio is blocked for approximately 20 minutes after three failed attempts of entering the code.

**NOTE:**

The locking time only elapses when the radio is powered on. It is not possible to eject a CD.

**SWITCHING THE UNIT ON / OFF**

Power to operate the navigation radio is supplied through the ignition switch. It must be in the ON or ACC position to operate the navigation radio.

The radio is switched ON and OFF with the ignition switch. It is also possible to set the unit in standby mode during driving with the ON / VOL rotary knob.

**NOTE:**

If the ignition is turned off with the radio in standby mode, the radio memorizes the standby state if the ignition is turned on again. Press the ON / VOL rotary knob to turn the radio on.

The navigation software is always working when the ignition is switched on, even if the radio is in standby mode.

It is possible to eject the CD and to display the time if the unit is switched off.

## AUDIO SETTINGS

### Volume Selection

Increase or decrease volume by turning the ON / VOL rotary knob. The volume level can be seen on the display while changing the volume.

There are different volume levels for audio programs and navigation announcements, both must be set to the desired levels.

#### NOTE:

Set the navigation announcement volume by turning the ON / VOL rotary knob while a navigation announcement is playing. Also change the navigation announcement settings by initiating an announcement by pressing the repeat RPT button and entering the tone menu within the duration of the announcement.

### Activate Sound Menu

Select the sound menu by pressing the **TONE** button. Once the desired changes are made, press the **TONE** button again to return to normal operation.

#### NOTE:

If no button is pressed within 8 seconds, the unit will return to normal operation.

### Bass

To adjust the bass, activate the sound menu by pressing the **TONE** button. Press the "BASS"

multifunction button and adjust the bass to the desired level by turning the OK / SELECT rotary knob.



#### NOTE:

Changes take effect only for the displayed Audio Source

#### NOTE:

"BASS" is the default so the multifunction button will only need to be pressed if you have selected another audio setting first.

### Treble

To adjust the treble, activate the sound menu by pressing the **TONE** button. Press the "TREBLE" multifunction button and adjust the treble to the desired level by turning the OK / SELECT rotary knob.



#### NOTE:

Changes take effect only for the displayed Audio Source

### Bass / Treble Reset

To reset the tone setting to mid range, activate the sound menu by pressing the **TONE** button and press the "RESET" multifunction button.

#### NOTE:

Changes take effect only for the displayed Audio Source



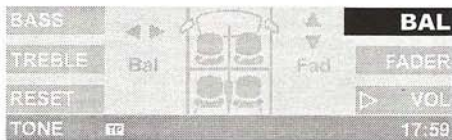
#### NOTE:

The "RESET" multifunction button in the tone menu takes effect only to the bass and treble settings for the audio source shown in the status line of the display. The "BASS" or the "TREBLE" multifunction button has to be activated before pressing the "RESET" multifunction button.

## Balance

To adjust the balance between the left and right speakers, activate the sound menu by pressing the **TONE** button.

Press the "BALANCE" multifunction button and adjust the balance to the desired level by turning the OK / SELECT rotary knob. The changes are displayed in the center of the screen.



### NOTE:

The "BALANCE" multifunction button in the tone menu affects all audio sources.

## Fader

To adjust the balance between the front and rear speakers, activate the sound menu by pressing the **TONE** button.



Press the "FADER" multifunction button and adjust the balance to the desired level by turning the OK / SELECT rotary knob. The changes are displayed in the center of the screen.

### NOTE:

The "FADER" multifunction button in the tone menu takes effect only to all audio sources.

## Balance / Fader Reset

To reset the balance / fader settings, activate the sound menu by pressing the **TONE** button, press the "FADER" or "BAL" multifunction button and then the "RESET" multifunction button.



### NOTE:

The "RESET" multifunction button in the tone menu takes effect only to the balance and fader settings for all audio sources. The "BAL" or the "FADER" multifunction button has to be activated before pressing the "RESET" multifunction button.

### NOTE:

Fader changes take effect for all audio sources except for navigation announcements.

## TP Announcement Volume

To adjust the settings for the traffic program announcement volume, activate the sound menu by pressing the **TONE** button and press the ">VOL" multifunction button to access the volume menu.

Press the "TP" multifunction button and select one of the four different settings (0-3) with the OK / SELECT rotary knob.



This means that the announcement volume will be raised relative to the audio program up to a fixed value according to the setting.

- Setting 0: No increase
- Setting 1: Slight increase
- Setting 2: Medium increase
- Setting 3: Strong increase

**NOTE:**

Press the "RESET" multifunction button to set the default settings.

(See Traffic Program (TP) to learn more about this function)

**NAV Volume**

This adjusts the decrease of the audio program volume during a navigation announcement.

To adjust the settings for the automatic audio program volume change, activate the sound menu by pressing the **TONE** button and press the "> VOL" multifunction button to access the volume menu.

Press the "NAV" multifunction button and select one of the ten different settings (0-10) with the OK / SELECT rotary knob.



This means that the volume of the normal audio program will be decreased to a fixed value according to the setting.

Setting 0: No decrease  
 Setting 1-3: Slight decrease  
 Setting 4-6: Medium decrease  
 Setting 7-10: Strong decrease

**NOTE:**

Press the "RESET" multifunction button to set the default settings.

**CLOCK OPERATION**

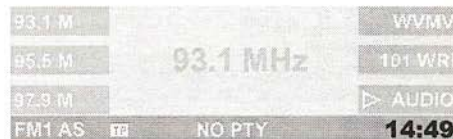
This navigation radio is equipped with a GPS (Global Positioning System) receiver. Its internal clock is automatically set with atomic clock accuracy, as soon a GPS reception is available.

You must choose your local time zone in order to display the current local time by setting the clock.

The time is always displayed in the right hand corner of the status line.

**Displaying The Current Time**

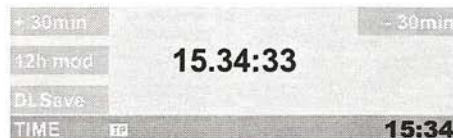
The current time is displayed in the right hand corner of the status line in the display. The default time zone is CET Central European Time (UTC+1). Coordinated Universal Time (UTC) is colloquially "Greenwich Mean Time (GMT)".



Current Time Display in FM Mode.

**Time Setup Menu**

Press the **TIME** mode button to activate the time menu.



Time Menu Shows UTC Time From Satellite.

**Changing Time Zone Offset**

Change the time within a range of 24 hours by pressing the "+ 30 min" or "-30 min" button.



## 12 / 24 Hour Mode

Toggle between the 12 and 24-hour mode by pressing the "12h mod" or "24h mod" multifunction button.

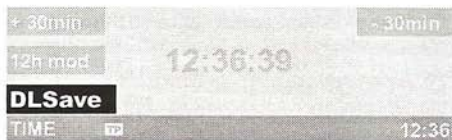


**12-Hour Mode Activated**

The 12-hour mode adds AM or PM to the time display.

## Daylight Savings Time

Select Daylight Saving Time by pressing the "DL-Save" multifunction button. The button will highlight as an indicator that the Daylight Saving Time function is active.



**Daylight Saving Time Function Activated.**

After the time is set press the time button again or wait 8 seconds to return to the previous display menu.

## RADIO MODE

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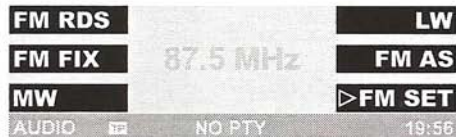
## OVERVIEW

The navigation radio is equipped with 3 different tuners:

FM 87.5 MHz 108 MHz MW 531 kHz 1620 kHz LW 153 kHz 282 kHz

The different audio modes can be started via the audio base screen. The tuner mode is the default mode after a new connection to battery (MW, preset station 1).

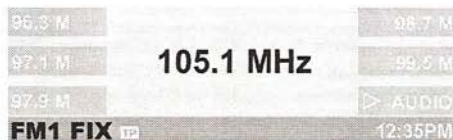
The tuner mode (last used waveband) is automatically selected after all CDs have been ejected in CD application.



Audio Setup Menu

## SELECTING FM MODES

Press the **MODE** button repeatedly until the FM range is displayed.



Select the audio menu in FM.



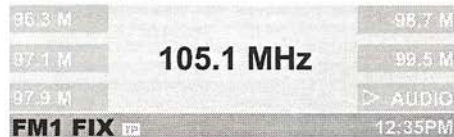
Press AUDIO to access AUDIO menu.

Select the FM mode in the audio setup menu.



## SELECTING FM RANGE

Press the **MODE** button repeatedly until the FM range is displayed.



## Changing Menu In The FM Range

Turn the OK / SELECT rotary knob to toggle between the FM1 and FM2 range.



## RDS (Radio Data System)

RDS Mode is only possible in the FM RDS range.

### NOTE:

Not all radio stations support RDS.

## Activating RDS

Press the **MODE** button repeatedly until the FM range is displayed. If RDS is not already displayed, press the "> AUDIO" multifunction button first and select FM RDS with the "FM RDS" multifunction button.



FM2 RDS Mode

The station code is displayed, if the selected station can be identified.

## Alternative Frequency Evaluation

A special feature of the internal station search is alternative frequency evaluation. This means that the tuner always selects the best-received frequency of a radio station. The alternative frequency evaluation function is always active in RDS mode.

## Saving RDS Stations

In RDS frequency range, there are 10 station keys available for storing the RDS radio stations (e.g. 5 x FM1 and 5 x FM2).

## NOTE:

**If your vehicle is equipped with Memory System, your Remote Keyless Entry Transmitter or Memory System Buttons can and will be used to recall the navigation radio settings. It is necessary to save the settings into the Memory System after changes are made to the radio (see owner's manual). Otherwise the settings (e.g. radio station presets or tone settings) will be replaced next time the car is unlocked with a Remote Keyless Entry Transmitter.**

In order to store the desired station, press one of the station buttons for more than 3 seconds until the multifunction button symbol is highlighted. (See Station Keys)



FM2 RDS Mode

## Switching Off RDS

Change to a radio mode other than FM RDS by choosing FM FIX or FM Autostore in the AUDIO setting menu.

## AUTOSTORE

Autostore assigns the best-received radio stations to additional 10 station presets in FM RDS, FM FIX, FM AS, MW and LW range.

## NOTE:

**This function must be performed separate for each band FM RDS, FM FIX, FM AS, MW and LW.**

## Starting Autostore

Select the AUDIO menu in FM, MW or LW range.

Press AUDIO to access AUDIO menu.



Select the Autostore mode in the AUDIO setup menu.

Press and hold FM AS to switch to FM Autostore mode



The autostore function is now scanning the selected band for available radio stations in your area.

If you leave the scanned area, you need to activate autostore again, to update to the new area.

#### NOTE:

**It may take several seconds until all radio stations are scanned.**

#### Retrieving Autostore Memory

Select the Autostore mode by pressing the AS button in the audio setup menu. Press a station preset button to select the radio station that is assigned to it. A station name is displayed if RDS is available.



#### Switching Autostore Off

Change to any other mode then autostore.

#### SELECTING MW RANGE

Press the **MODE** button repeatedly until the MW range is displayed.



#### Changing Menu In The MW Range

The menu changes the same way as in FM mode. Turn the OK / SELECT rotary knob to toggle between the MW1 and MW2 range.



#### SELECTING LW RANGE

Press the **MODE** button repeatedly until the LW range is displayed.



#### Changing Menu In The LW Range

The menu changes the same way as in FM mode. Turn the OK / SELECT rotary knob to toggle between the LW1 and LW2 range.



#### AUTOMATIC STATION FINDER

Press the **SEEK** button. The next radio station is selected and played.



## MANUAL STATION TUNING

Activate FIX mode first (Press FM FIX in AUDIO menu, see 5.1 Overview) Press the **TUNE** button to select a frequency manually. (100 kHz tuning steps)

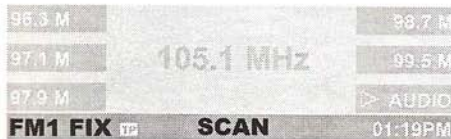


## SCAN SEARCH

Automatic station finder that plays the available stations in succession for approximately 8 seconds each.

### Start Scan Search

Press the **SCAN** button in any of the radio modes (FM, LW or MW).



FM Mode With Scan Function Active.

## Stop Scan Search

Press the **SCAN** button again. The current scanned station continuous playing.

### Automatic Stop Scan In RDS Mode

The scan starts at the next available station and stops after the scan button is pressed again. If there is no or only one station in the current station list, the tuner scans the complete selected band, stops at an available station and deselects the scan function.

If the **SEEK** button was pressed for more then 2 seconds, the seek function aborts the scan.

### Automatic Stop Scan With RDS Off

The scan stops after the frequency range is scanned completely.

#### NOTE:

If there are no radio stations (not likely, unless the antenna is not connected) the selected band is scanned twice.

### Automatic Stop Scan With SEEK Button

The scan stops after the **SEEK** up button was pressed. The tuner skips to the next station. After the **SEEK** down button was pressed. The tuner reverts to the previous station.

## STATION KEYS

In each frequency range, there are 10 station keys available for storing the radio stations (e.g. 5 in FM1 and 5 in FM2).



#### NOTE:

If your vehicle is equipped with Memory System, your Remote Keyless Entry Transmitter or Memory System Buttons can and will be used to recall the navigation radio settings. It is necessary to save the settings into the Memory System after changes are made to the radio (see owner's manual). Otherwise the settings (e.g. radio station presets or tone settings) will be replaced next time the car is unlocked with a Remote Keyless Entry Transmitter.

In order to store the desired station, press one of the station preset buttons for more than 3 seconds until you hear a confirmation beep. You will also see the radio station stored in the highlighted multifunction button symbol.

You can access the second set of station preset buttons by turning the OK / SELECT rotary knob to toggle between the FM1 and FM2 range. (See Changing the menu in FM range)



The 1 in "FM 1" indicates the first set of 5 presets is active. The station preset button #5 is deselected.



The 2 in "FM 2" indicates the second set of 5 presets is active. The station preset button #5 is selected.

## REGIONAL MODE

At certain times, some radio stations split their program into regional programs. The alternative frequency evaluation is only performed for the selected regional range. When regional mode is switched off, alternative frequency evaluation is countrywide.

### Switching Regional Mode ON/OFF

The Regional Mode-Function is activated or deactivated by pressing the "REG" multifunction button in the FM SETUP menu.



FM1 Mode Autostore Active

Select AUDIO from FM Mode.



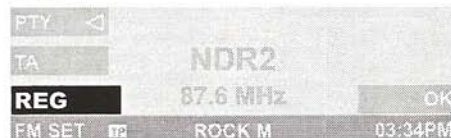
Audio Menu

Select FM SET from Audio menu



FM SET Menu

Press REGIONal Multifunction button from FM SET menu.



FM SET Menu, TP Function Enabled

Regional function enabled (Button symbol is highlighted).

### PTY FUNCTION (Program Type)

PTY is only available in FM RDS mode. Radio stations are grouped according to their program (e.g. POP M = pop music), thus permitting a specific search for stations with the selected program code.

## Station Selection Via PTY

The Regional Mode-Function is activated or deactivated by pressing the "PTY" multifunction button in the FM SETUP menu.



FM1 Mode Autostore Active

Select AUDIO from FM mode.



Audio Menu

Select FM SET from AUDIO mode



FM SET Menu

Press PTY from FM SET menu



PTY SET Menu

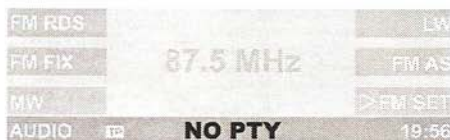


PTY Changed To CLASSICS

If selectable, go to the next station with the same PTY code and confirm the program code.

## Deselect PTY Function

Select the Program Type Code NO PTY in the PTY set menu.



PTY Changed To NO PTY

## Program Type Codes

AFFAIRS - Politics and current affairs  
CHILDREN - Children's programming  
CLASSICS - Classical music  
COUNTRY - Country and Western music  
CULTURE - Culture, church and society  
DOCUMENT - Documentaries  
DRAMA - Radio plays and literature  
EASY M - Easy listening  
EDUCATE - Education  
FINANCE - Business/finance information  
FOLK M - Folk music  
INFO - Service programs  
JAZZ - Jazz music  
LEISURE - Leisure reports  
LIGHT M - Light music  
NATION M - National folk music  
NEWS - News  
OLDIES - Oldies  
OTHER M - Special music programmes  
PHONE IN - Interviews  
POP M - Pop music  
RELIGION - Religious and ethics reports  
ROCK M - Rock music  
SCIENCE - Science  
SOCIAL - Social reports  
SPORT - Sports  
TRAVEL - Travel reports  
VARIED - Humor  
WEATHER - Weather reports

## TRAFFIC NEWS (Traffic Program, TP)

If an RDS radio station transmits TP announcements, it is possible to interrupt CD, CD Changer, MW, LW or the mute function and to switch to the transmitted TP announcement. Moreover, you can listen to one FM station while having TP announcements switched through that are transmitted by another FM station.

### NOTE:

**Not all radio stations transmit Traffic Program**

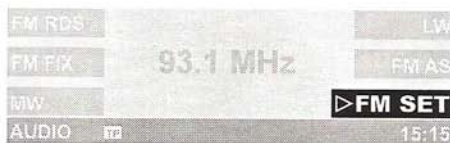
### Enabling / Disabling The TP Function

The TP-Function (Background Traffic Announcements TA) is activated or deactivated by pressing the "TA" multifunction button in the FM SETUP menu.



**FM1 Mode Autostore Active, TP Function Disabled**

Select AUDIO from FM mode



**Audio Menu**

Select FM SET from AUDIO Mode



**FM SET Menu**

Press the disabled TA multifunction button from FM SET menu.



**FM SET Menu, TP Function Enabled**

If the actual station supports TP information, then the TA is provided for this station. If the actual station does not belong to a station-chain or there is no station in the chain, which supports TP information, the station with the best signal quality is chosen for TA.

### TP Symbol States

In the status line a TP symbol is displaying the following states:



No TP symbol indicates, that no radio station within the station list supports the TP information.



The TP function is disabled, but at least one radio station is transmitting TP information.



The TP function is enabled and the radio station is transmitting TP information.

## MUTING

After pressing the **MUTE** button, the active audio source is muted.



The status line shows the mute icon.

The muted CD / CD Changer device changes to pause status. TA audio, navigation announcements and display output are not disabled.

## NOTE:

**If the NAV volume is set to 0, a navigation announcement will reset this setting to one.**

It is possible to interrupt the navigation voice by pressing the **MUTE** button during an announcement. Press and hold the **MUTE** button during an announcement until you hear a confirmation beep to mute the navigation announcements.

## CD SINGLE MODE

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## INSERTING A CD

With the printed side upwards, insert the CD into the CD slot of the radio unit. The unit automatically pulls in the CD, selects CD mode, and starts playing the first track. The display shows **LOADING** during the loading process.

### NOTE:

**A faulty CD is automatically ejected. Artist and song information is not supported. MP3 format is not supported. Use only standard size CD s. Small single CD s can only be used with a SONY adapter tray.**

If the user doesn't remove an ejected CD within 10s, the CD is reloaded.

A feature of this navigation radio is once a navigation route has been started the navigation CD is no longer needed. The unit can navigate while playing an audio CD. If the navigation needs additional information to recalculate a new route, the user is prompted to reinsert the Navigation CD.

### NOTE:

**The navigation radio comes with a digital navigation CD ROM. Do not loose or damage. Replacement is at the owners expense.**

## REMOVING A CD

Press the **EJECT** button. The CD is ejected and can be removed.

### NOTE:

**If the CD is not removed within approximately 10 seconds, the unit pulls it back into the slot (park position). The CD can be ejected when the ignition is off.**

## SELECTING CD MODE

Press the **MODE** button repeatedly until CD mode (CD) has been selected or insert an Audio CD, if no CD is inserted.



CD Mode Active

## SCAN SEARCH

Select the CD Changer mode and select the Audio CD you wish to scan.

### Start

Press the **SCAN** button.



Scan Active

The individual tracks of the current CD will be played in succession for approximately 8 seconds each.

### Terminate

Press the **SCAN** button again. Optional: Select the next track with one of the steering wheel controls.

## SKIP



### Forward

Press the **SEEK** up button. The next track of the current CD is played. Once the last track has been reached in the forward direction, the unit will

switch back to the first track. If a track has been playing for more than 10 seconds when **SEEK** down button is pressed, the unit will skip back to the beginning of the current track.

### Backward

Press the **SEEK** down button. The previous track of the current CD is played. If the first track has been reached in the backward direction, the unit will switch from the first track to the last track. If a track has been playing for more than 10 seconds when **SEEK** down button is pressed, the unit will skip back to the beginning of the current track.

### FAST FORWARD / FAST REVERSE



### Fast Forward

Press the **TUNE** up button. The audio continues to be heard with a reduced level while going through the track at an accelerated speed in this mode. Stop the fast-forward by releasing the **TUNE** button.

### Fast Reverse

Press the **TUNE** down button. The audio continues to be heard with a reduced level while going through the track backwards at an accelerated speed in this mode. Stop the fast reverse by releasing the **TUNE** button.

### DISPLAYING THE ELAPSED TITLE TIME

Activate the CD or CD Changer Mode. The elapsed title time of the current playing track is displayed in the center of the screen.



### RANDOM PLAYBACK

The random play function plays random tracks from the current CD.



### REPEAT FUNCTION

The repeat function plays the current playing track over and over again.



### REPEAT Function Enabled

### CD MUTE FUNCTION

Press the **MUTE** button to pause the playback of the current playing CD. Press the **MUTE** button again to resume playing.

Traffic information (TP) and navigation announcements also interrupt the CD playback.

### CD SKIPPING

Typically caused by a damaged (scratched) CD. If you have a bad track the radio will skip every 10 seconds until damaged area is gone.

### TEMPERATURE PROTECTION

If the temperature during operation becomes too high, the display shows a temperature error. The unit switches to radio mode until the temperature has dropped to a normal level.

## CD CHANGER MODE

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## CD CHANGER MODE

This navigation radio is designed to be compatible with factory installed CD changers.

### SELECTING CD CHANGER MODE

Press the **MODE** button repeatedly until CD changer mode (CDC) has been selected.



**CD Changer Mode Active, CD Tray 1 Is Playing**

### SELECTING A CD

Press the "CD+" or "CD-" multifunction button to select a CD



**CD Changer Mode Active, Track 3 Of Tray 1**

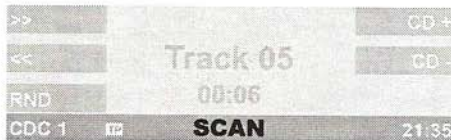
The selected CD tray number is displayed with the radio mode. CDC1 indicates the CD changer mode is playing the audio CD in tray 1.

### SCAN SEARCH

Select the CD Changer mode and select the Audio CD you wish to scan.

#### Start

Press the **SCAN** button.



**Scan Active**

The individual tracks of the current CD will be played in succession for approximately 8 seconds each.

#### Terminate

Press the **SCAN** button again. Optional: Select the next track with one of the steering wheel controls.

## SKIP



### Forward

Press the **SEEK** up button. The next track of the current CD is played. Once the last track has been reached in the forward direction, the unit will switch back to the first track. If a track has been playing for more than 10 seconds when **SEEK** down button is pressed, the unit will skip back to the beginning of the current track.

### Backward

Press the **SEEK** down button. The previous track of the current CD is played. If the first track has been reached in the backward direction, the unit will switch from the first track to the last track. If a track has been playing for more than 10 seconds when **SEEK** down button is pressed, the unit will skip back to the beginning of the current track.

## FAST FORWARD / FAST REVERSE



### Fast Forward

Press the **TUNE** up button. The audio continues to be heard with a reduced level while going through the track at an accelerated speed in this mode. Stop the fast-forward by releasing the **TUNE** button.

### Fast Reverse

Press the **TUNE** down button. The audio continues to be heard with a reduced level while going through the track backwards at an accelerated speed in this mode. Stop the rewind by releasing the **TUNE** button.

## DISPLAYING THE ELAPSED TITLE TIME

Activate the CD or CD Changer Mode. The elapsed title time of the current playing track is displayed in the center of the screen.



## RANDOM PLAY FUNCTION

### NOTE:

**Random plays only with the current CD not from CD to CD.**



## CDC MUTE FUNCTION

Press the **MUTE** button to pause the playback of the current playing CD. Press the **MUTE** button again to resume playing.

Traffic information (TP) and navigation announcements also interrupt the CD playback.

## TEMPERATURE PROTECTION

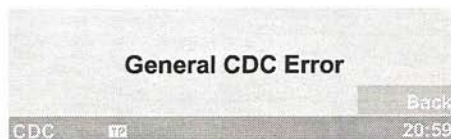
If the temperature during operation becomes too high, the display shows a temperature error. The unit switches to radio mode until the temperature has dropped to a normal level.

## DISC ERROR

If "General CD Changer Error" is displayed on radio, check disc orientation in Disc Changer.

### NOTE:

**A not compatible CD changer can also cause this error message.**



## NAVIGATION MODE

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## GENERAL NOTES

### Navigation Software

This navigation radio requires digital data from a navigation CD. The data on the navigation CD is licensed from Navigation Technologies®. Not all roads are digitized. This disc may also contain software updates.

### Software Updates

Before the first use, the navigation software must be downloaded from the Navigation CD into the system as follows:

1. Supply power to the navigation radio. (Turn the ignition on).
2. Insert the Navigation CD.
3. The navigation system examines the inserted CD. If the software version of the CD is different from the software already in the navigation unit, the system shows both versions.
4. Confirm the update if asked for.
5. After a few seconds, the system restarts without user intervention.

#### CAUTION!

The update begins only after the restart!

#### CAUTION!

If the logo does not appear on the display after three minutes, please reinsert the Navigation CD.

After the installation the system automatically shuts down and restarts one more time. Steps 3 and 5 may happen more than once. The update procedure has finished when the radio starts to play.

### Use Of Radio And Audio CD Player During Route Guidance

It is not necessary to keep the navigation CD inserted after its data has been downloaded into the system. After a start of the route guidance is confirmed the navigation system indicates the use of the navigation CD with a CD read symbol.



Route Guidance Menu

After this symbol disappears the radio and audio CD player are available for their normal use. If the navigation needs additional information to recalculate a new route, the user receives a voice prompt to reinsert the CD.

#### NOTE:

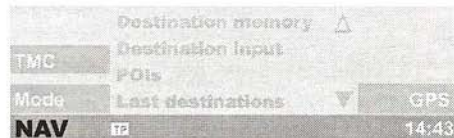
**Make sure that the volume for the Navigation announcements is set to an audible level. (See Navigation Volume)**

## SELECTING NAVIGATION MODE

#### NOTE:

**The navigation CD must be loaded when the navigation mode is started the first time. Navigation mode requires navigation CDs that contains the data of the destination country.**

Press the **NAV** button once. "NAV" is displayed in the status bar.



Navigation Main Menu

The following menu is displayed when the user selects "Destination input" from the main navigation menu:

|           |                             |         |
|-----------|-----------------------------|---------|
| City ctr. | A B C D E F G H I J K L M N | Country |
| POIs      | O P Q R S T U V W X Y Z Å Ö | Street  |
| Delete    | Å Å Ö Ö ( ) - . / -         | Return  |
| NAV       | TD (D) BERLIN               | 18:17   |

Select City Menu

The current active country is displayed in parenthesis.

### Country

Press the "Country" multifunction button if your destination is in a different country.

|               |                         |
|---------------|-------------------------|
| GERMANY       | Page▲                   |
| ITALY         | Page▼                   |
| LIECHTENSTEIN | Return                  |
| LUXEMBURG     |                         |
| NAV           | TD Select country 18:19 |

Select Country Menu

Select the country of your destination by turning the OK knob left/right to highlight the desired country. Press the OK knob to confirm your selection.

### Town / City

#### NOTE:

If the last selected city is still your destination, you can skip the city input and press the "Street" multifunction to enter the street name.

|           |                             |         |
|-----------|-----------------------------|---------|
| City ctr. | A B C D E F G H I J K L M N | Country |
| POIs      | O P Q R S T U V W X Y Z Å Ö | Street  |
| Delete    | Å Å Ö Ö ( ) - . / -         | Return  |
| NAV       | TD (D) BERLIN               | 18:24   |

Select City Menu (Berlin Was Last Selected Town)

Select the city by turning the OK knob left/right to highlight the desired letter of the city name. Press the OK knob to confirm every single letter.

#### NOTE:

Press the "Delete" multifunction button to delete the last letter confirmed or press the "Return" multifunction button to go back to the previous menu.

|           |                             |         |
|-----------|-----------------------------|---------|
| City ctr. | A B C D E F G H I J K L M N | Country |
| POIs      | O P Q R S T U V W X Y Z Å Ö | Street  |
| Delete    | Å Å Ö Ö ( ) - . / -         | Return  |
| NAV       | TD (D) FRANKFURT            | 19:03   |

Select City Menu (FRANKFURT)

**IMPORTANT NOTE:** Use the space symbol as a space between words (e.g. FRANKFURT\_AM\_MAIN).

|           |                              |         |
|-----------|------------------------------|---------|
| City ctr. | A B C D E F G H I J K L M N  | Country |
| POIs      | O P Q R S T U V W X Y Z Å Ö  | Street  |
| Delete    | Å Å Ö Ö ( ) - . / -          | Return  |
| NAV       | TD (D) FRANKFURT AM... 19:03 |         |

Select City Menu (FRANKFURT\_AM...)

Press the OK knob if the OK symbol is highlighted.

#### NOTE:

It is possible to access the city list menu earlier with pressing and holding the OK knob until you hear a confirmation beep. It is not necessary to spell the city name completely. This way the city list may be longer.

A city list will be displayed, select the desired item from the list and confirm by pressing the OK knob.

|                   |          |
|-------------------|----------|
| FRANKFURT AM MAIN | Page▲    |
| FRANKFURT (ODER)  | Page▼    |
| FRANKFURTER BERG  | Return   |
| FRANKLEBEN        |          |
| NAV               | TD 19:04 |

Select City Menu (List)

The page up and down buttons scroll 4 list items at a time.

### City Centers

Instead of street a city center can be selected also by pressing the "City ctr." button (City Center).



#### Enter Street Menu (For FRANKFURT\_AM\_MAIN)

A city center list will be displayed, select the desired item from the list.



#### Select City Center Menu (List)

Press the OK knob to confirm your selection.



#### Start Route Guidance Menu (For Frankfurt-Niederursel)

It is now possible to start the route guidance by pressing the OK knob.

### Street

Enter the street or optional press the multifunction button for city center or POIs (see Points of Interest)



#### Enter Street Menu (For FRANKFURT\_AM\_MAIN)

Proceed the same way as in city input.



#### Enter Street Menu (For WACHTELWEG)

Press OK knob when OK symbol appears.



#### Enter Street Menu (For WACHTELWEG)

### NOTE:

It is possible to access the street list menu earlier with pressing and holding the OK knob until you hear a confirmation beep. It is not necessary to spell the street name completely. This way the street list may be longer.

## NAVIGATION MAIN MENU

The main menu is displayed when the **NAV** button is pressed while route guidance is not active.

**Optional:** Press and hold the center button of the right steering wheel control. (Remote Control).



### Navigation Main Menu

Select one of the following list items by turning and confirm by pressing the OK / SELECT rotary knob.

- Destination memory:** Select destination from a list of (max. 100) user stored destinations.
- Destination input:** Enter destination by address.
- POIs:** The destination is a Point of Interest such as gas station, hospital, etc. (sorted in 32 categories).

Last destinations:

Select one of the (max 20) last destinations used by the navigation.

Service:

Select to change language, check GPS or calibration status.

In addition to the choices listed on the display, six multifunction buttons are provided which have context-sensitive functions. The main menu provides the following multifunction buttons:

TMC

Read the newest traffic messages and information transmitted by radio stations.

Mode:

Select options used to calculate the next route.

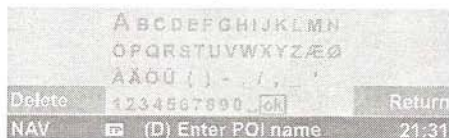
GPS:

Display the longitude, latitude, number of active GPS satellites and altitude and store your current position into the last destination memory.

## DESTINATION INPUT

### Smart Speller

Names (e.g. city names or street names) are entered with a smart speller.

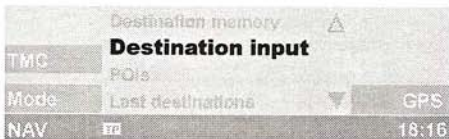


It is only possible to select in the database available letter. Unavailable letter are in a lighter color and not selectable.

Destinations can be entered in any of the following 4 methods:

### Address

Press the **NAV** mode button and turn the OK knob left/right to highlight the Destination input selection. Push in the OK knob to activate the choice.



### Navigation Main Menu

Select street from list menu.



Enter Street List Menu (For WACHTELWEG)

Press the OK knob to confirm.



Start Route Guidance Menu (For WACHTELWEG)

It is now possible to start the route guidance by pressing the OK knob.

#### Intersection

Press the "Intersec." button (Intersection) in the start route guidance menu.

#### NOTE:

This option is possible, if an intersection list is available in the map database.



Start Route Guidance Menu (For WACHTELWEG)

Select an intersection from the list.



Intersection List Menu (For WACHTELWEG)

Press the OK knob to confirm your selection.



Intersection List Menu (For WACHTELWEG)

It is now possible to start the route guidance by pressing the OK knob.

#### House Number

Press the "H/no." button (House Number) in the start route guidance menu.

#### NOTE:

This option is possible, if a house number list is available in the map database.

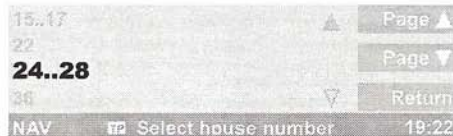


Start Route Guidance Menu (For WACHTELWEG)

Select a house number with the smart speller or a house number range from the list.

#### NOTE:

The house numbers or house number ranges are available as part of the digital database provided by NAVTECH®. Not all streets have house numbers digitized.



House Number List Menu (For WACHTELWEG)

Press the OK knob to confirm your selection.

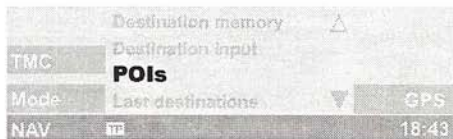


### Start Route Guidance Menu (For WACHTELWEG)

It is now possible to start the route guidance by pressing the OK knob.

### Points Of Interest (POI)

Press the **NAV** mode button and turn the OK knob left/right to highlight the POIs selection.

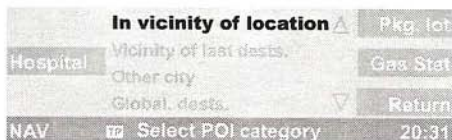


### Navigation Main Menu

Press the OK knob to activate the POI area menu and select one of the following options.

### In Vicinity Of Location

The desired POI is nearby your vehicle location. Turn the OK knob left/right to highlight the "In vicinity of location" selection.



Press the OK knob to confirm and select a POI category.



Press the OK knob to confirm your selection.

A list of the nearest destinations shows directional arrows and distance of the destination.

### NOTE:

The lists displayed are sorted by distance to the vehicles current position.



A directional arrow shows towards the point of interest followed by the distance and name.

**Optional:** Press the "Details" multifunction button to get detailed information about the destination.



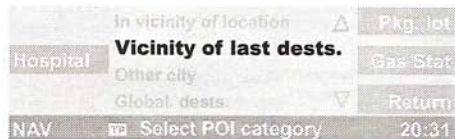
Scroll through the screen by turning the OK knob left/right to access all available information and press the OK knob to confirm the destination.



It is now possible to start the route guidance by pressing the OK knob again.

### In Vicinity Of Last Destinations

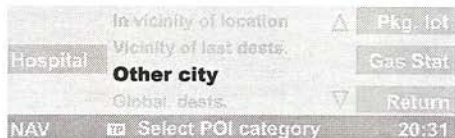
The desired POI is nearby one of the last 20 entered destinations. Turn the OK knob left/right to highlight the "Vicinity of last destinations" selection.



Press the OK knob to confirm and select one of your last 20 destinations from the list and confirm your selection by pressing the OK knob. Proceed the same way as in to finish your destination input.

### Other City

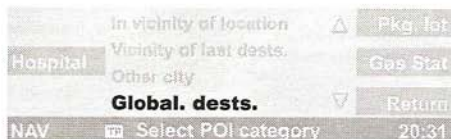
The POI is in a different city. Turn the OK knob left/right to highlight the Other city selection.



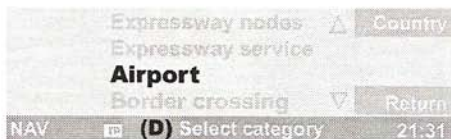
Press the OK knob to confirm your selection and enter a city as in 8.4.1.2 and confirm your selection by pressing the OK knob. Proceed the same way as in to finish your destination input.

### Global Destinations

Those POIs are within the whole selected country. Turn the OK knob left/right to highlight the "Global destinations" selection.



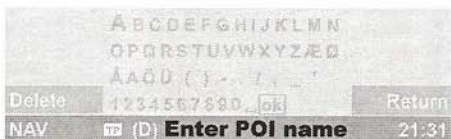
Press the OK knob to confirm and select one of the four categories.



### NOTE:

The selected country is shown in the status line. Change the country with the "Country" multifunction button if necessary.

Press the OK knob to confirm your selection and enter the name of the POI.



After entering the POI name, confirm the OK symbol by pressing the OK knob. A list will be displayed.



### NOTE:

If there are less than 12 POIs available, the display will show the list immediately.

Press the "Details" multifunction button for more information on the POI.

Press the OK knob to confirm your selection.



It is now possible to start the route guidance by pressing the OK knob.

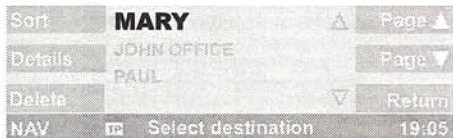
## Destination Memory

Press the **NAV** mode button and turn the OK knob left/right to highlight the Destination memory selection. Push in the OK knob to activate the choice.



### Navigation Main Menu

Press the OK knob to confirm and select one of the destinations in the list.



Press the "Details" multifunction button to see more information on your destination.

### NOTE:

The names in the list are your personal names as stored in the memory. (See Create Destination Memory Entries how to store destinations into the destination memory.)



Press the OK knob to confirm your selection.



It is now possible to start the route guidance by pressing the OK knob.

## Last Destinations

Press the **NAV** mode button and turn the OK knob left/right to highlight the "Last destinations" selection. Push in the OK knob to activate the choice.



### Navigation Main Menu

Press the OK knob to confirm and select one of the last destinations.



Press the "Details" multifunction button to see more information on your destination.



### Detailed Destination Information

Press the OK knob to confirm your selection.

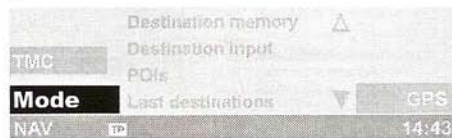


### Intersection As Destination

It is now possible to start the route guidance by pressing the OK knob.

## ROUTE OPTIONS

Press the "Mode" multifunction button in the navigation main menu.



### Navigation main menu

The current route mode is displayed and one of the following modes can be selected:

- |              |                                                                     |
|--------------|---------------------------------------------------------------------|
| Fastest:     | route algorithm is optimized to minimize travel time to destination |
| Dynamic:     | activates TMC function (see Dynamic Route Guidance)                 |
| Short route: | route algorithm is optimized to minimize distance                   |



### Route Mode Menu

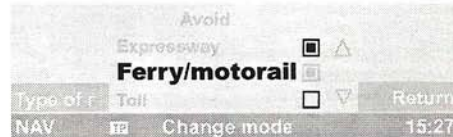
Turn the OK knob left/right to highlight the desired selection. Push in the OK knob to activate the choice. Then press the Return multifunction button.

## The AVOID Option

The "Avoid" option is available for expressway, ferry/motor rail, toll and tunnel. Press the "Avoid" multifunction button in the route mode menu.

The current avoid items are displayed and the following items can be selected:

- |             |                                       |
|-------------|---------------------------------------|
| Expressway: | avoids using expressways on the route |
| Ferry:      | avoids using ferries on the route     |
| Motor rail: | avoids using motor rails on the route |
| Toll:       | avoids using toll roads on the route  |
| Tunnel:     | avoids tunnels on the route           |



### Avoid Menu

Turn the OK knob left/right to highlight the desired selection.

Push in the OK knob to activate the choice. It is possible to activate more than one item from the list. After choosing the desired options press the Return multifunction button to go back to the navigation main menu or press the Type of route multifunction button to return to the route mode menu.

## INTERMEDIATE STOP

Intermediate stopover offers the possibility of programming a stopover or intermediate destination during an active route guidance. After the stopover or intermediate destination is reached the navigation radio resumes the route guidance to the main destination.

## Stopover

### Enter Stopover Destination

Entering a Stopover press the "Stopover" multifunction button to enter a stopover.



Route Guidance Menu

The following selections can be used as a stopover:



Stopover Menu

Press one of the four multifunction buttons (e.g. Gas Station)



**Optional:** Press the "Details" multifunction button to get detailed information about the destination.



Scroll through the screen by turning the OK knob left/right to access all available information and press the OK knob to confirm the destination.



The route will be recalculated once the selection is confirmed.

### NOTE:

Stopovers are not stored in the last destination memory.

### Cancel Stopover



Route Guidance Menu

To delete a stopover, press the "Stopover" multifunction button while stopover route guidance is active.



Change Stopover Menu

Turn the OK knob left/right to highlight the "Delete Cur. Stopover" selection and press the OK knob.

The route will be recalculated once the selection is confirmed.

## Change Stopover



Route Guidance Menu

To change a stopover, press the "Stopover" multifunction button while stopover route guidance is active.



Change Stopover Menu

Turn the OK knob left/right to highlight "Select other. stopover" selection and press the OK knob to confirm.

Change stopover and enter a new stopover as shown in Enter Stopover.

## Intermediate Destination

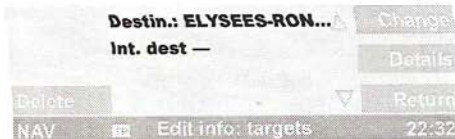
### Enter Intermediate Destination

This function offers the possibility of programming an intermediate destination during active route guidance.



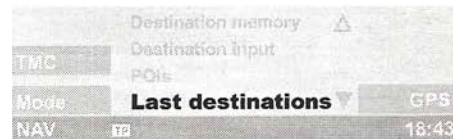
Route Guidance Menu

Entering a stopover press the "Destinations" multifunction button during route guidance.



Stopover Menu

Turn the OK knob left/right to highlight "Int. dest.-" selection and press the OK knob to confirm.



Select and enter a new destination as shown in Destination Input (e.g. Last Destinations).

The route will be recalculated once the new destination is entered and confirmed.

### NOTE:

**Stopovers are not stored in the last destination memory.**

### Cancel Intermediate Destination



Route Guidance Menu

Canceling an intermediate destination press the "Destinations" multifunction button during route guidance first.



#### Stopover Menu

To delete an intermediate destination, turn the OK knob left/right to highlight the Int. dest selection and press the "Delete" multifunction button in the stopover menu.



#### Confirm Stopover Delete Menu

Turn the OK knob left/right to highlight the "Yes" selection and press the OK knob. The route will be recalculated once the selection is confirmed.

#### Change An Intermediate Destination



#### Route Guidance Menu

To change an intermediate destination, press the "Destinations" multifunction button while an intermediate destination route guidance is active.



#### Edit Destinations Menu

Turn the OK knob left/right to highlight the "Int. dest" selection and press the OK knob to confirm. Change an intermediate destination. Enter a new intermediate destination as shown in Enter An Intermediate Destination.

#### DETOUR

Detour is used to calculate an alternate route when the traffic conditions on the selected route are not favorable for driving (e.g. traffic jam or road block).

#### Entering The Length Of Detour



#### Active Route Guidance Menu

Press the "Detour" multifunction button to access the detour menu.

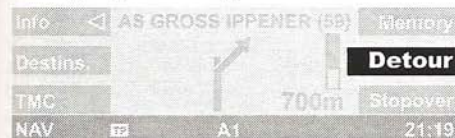


#### Detour Menu

Set the length of the section to be avoided by turning the OK / SELECT knob and pressing it to confirm. You can cancel this process by pressing the NAV button or the Back multifunction button to abort the detour function prior to confirming your selection.

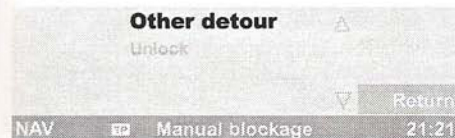
The route will be recalculated once the selection is confirmed.

### Changing The Length Of Detour



Active Detour In Route Guidance Menu

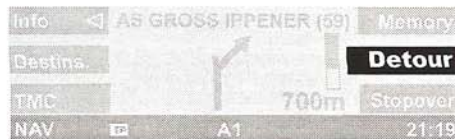
Press the "Detour" multifunction button to access the detour menu, while the detour function is active.



Traffic Jam Menu

Turn the OK knob left/right to highlight the "Other detour" selection and press the OK knob to confirm. Change value as shown in Entering the length of detour.

### Cancel Detour



Active Detour In Route Guidance Menu

Press the "Detour" multifunction button to access the detour menu, while the detour function is active.



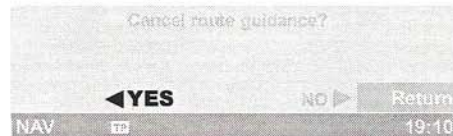
Traffic Jam Menu

Turn the OK knob left/right to highlight the "Unlock" selection and press the OK knob to confirm.

The route will be recalculated once the selection is confirmed.

### CANCELING ROUTE GUIDANCE

The current route guidance can be aborted at any time by pressing the NAV button.

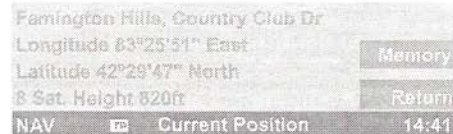


Cancel Route Guidance Menu

Press the OK knob when "Yes" is selected to confirm to cancel the route guidance.

### SAVE CURRENT POSITION

Press the GPS multifunction button to display the current GPS information: longitude, latitude, number of active satellites, altitude of the vehicle and the current location while on digitized area.



Save Position Mode

Press the "Memory" multifunction button to save the current position.



**The Current Position Is Stored**

Then press the OK knob again or press the "Return" multifunction button to return to the navigation main menu.

#### NOTE:

**This location will be available from the Last destination option in the main menu.**



The position is saved with date (dd.mm.yyyy) and time (hh:mm) information.

## UNDERSTANDING DESTINATION MEMORY ENTRIES

The destination memory is used to store locations you will likely use more than once. The unit can store up to 50 selections that can be used either as destinations or intermediate destinations.

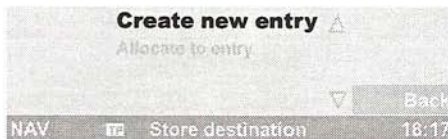
### Create New Entry

You can create a destination memory entry, after entering a destination, but before you start route guidance.



**Start Route Guidance Menu**

After entering a destination press the "Memory" multifunction button.



**Store Destination Menu**

Turn the OK knob left/right to highlight the "Create new entry" selection and press the OK knob to confirm.



**Store Destination Menu**

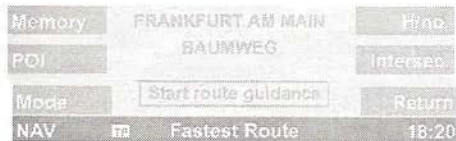
Enter a alias name by turning the OK knob left/right to highlight the desired letter. Press the OK knob to confirm every single letter. Press and hold the OK knob until you hear a confirmation beep after the last letter is entered. It is possible to enter at least 20 letters.

#### NOTE:

**Press the delete multifunction button to delete the last letter confirmed.**



**Destination Updated Menu**



**Destination Updated Menu**

It is now possible to start the route guidance by pressing the OK knob.

### Change Entry

You can change a destination memory entry, after reentering a destination, but before you start route guidance.



**Start Route Guidance Menu**

After entering a destination press the "Memory" multifunction button.



**Store Destination Menu**

Turn the OK knob left/right to highlight the "Allocate to entry" selection and press the OK knob to confirm.

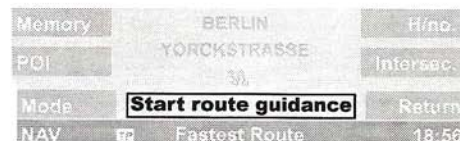


**Store Destination Menu**

Turn the OK knob left/right to highlight the entry you would like to change and press the OK knob to confirm.



**Destination Updated Menu**

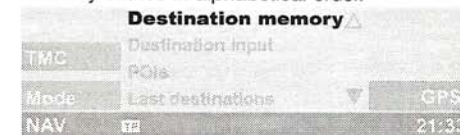


**Start Route Guidance Menu**

It is now possible to start the route guidance by pressing the OK knob.

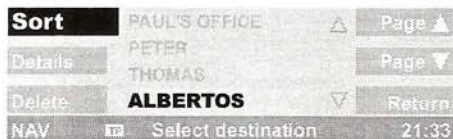
### Sort Entries

It is possible to bring the list of destination memory entries in alphabetical order.



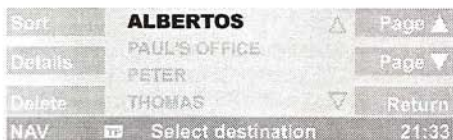
**Navigation Main Menu**

Turn the OK knob left/right to highlight the "Destination memory" selection and press the OK knob to confirm.



**Destination Memory Menu**

Press the "Sort" multifunction button.



**Destination Memory Menu**

Press the "Return" multifunction button to return to the main navigation menu.

### Delete Entry

You can delete a destination memory entry only if no route guidance is active.



**Navigation Menu**

Turn the OK knob left/right to highlight the Destination memory selection and press the OK knob to confirm.



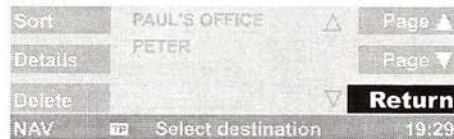
**Store Destination Menu**

Turn the OK knob left/right to highlight the entry you wish to delete and press the "Delete" multifunction button.



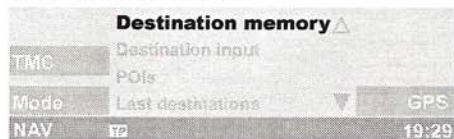
**Store Destination Menu**

Turn the OK knob left/right to highlight "Yes" and press the OK knob to confirm.



**Destination Updated Menu**

Repeat those steps to delete another entry or press the "Return" multifunction button to return to the main navigation menu.



**Navigation Main Menu**

It is now possible to start the route guidance by pressing the OK knob.

## INFORMATION DURING ROUTE GUIDANCE



Route Guidance Menu

The following information can be recalled during route guidance:

### Repeat Navigation Announcement

Press the repeat button the systems will repeat the last announcement.

#### Info



Info Menu

After pressing the "Info" multifunction button in the route guidance menu the following information is displayed:

Type of destination:

Main Destination, Intermediate Destination or Stopover destination  
Town and Street  
Estimated Time of Arrival  
Distance to destination on the road

Address:

ETA:

Distance:



Info Menu

Pressing the multifunction buttons "GPS", "Mode" or "Route" shows even more detailed information on the route.

#### Route



Route List Menu

After pressing the "Route" multifunction button in the info menu the following information is displayed:

Position:

Route list:

Mileage:

Street name:

Current position

shows a list with streets on the route

Shows the distance to drive on the route sections

Shows the names of the streets

Use the OK / SELECT knob or the "Page up" and "Page down" multifunction buttons to scroll through the list.

#### NOTE:

**It will take a short time before the route list is available, after entering the destination. The time depends on the distance to the destination. The end of the list shows the destination street. This list does not show route guidance symbols during route guidance.**

#### Mode

After pressing the "Mode" multifunction button in the info menu the route options are displayed as shown in Route options.

**NOTE:**

It is possible to change the route options while the route guidance is active. The route will be recalculated with the new options.

**GPS****A35**

**Longitude 10°00'20" East**

**Latitude 53°33'09" North**

**5 Sat. Height 50m**

NAV Current position 14:49

**Route List Menu**

After pressing the "GPS" multifunction button in the info menu the following information is displayed:

Street name: The street name of the current position.

**NOTE:**

It is possible that this line is blank if the street you are on has no name or if you drive in OFF ROAD.

GPS Coordinates: The position calculated by the GPS system.

Number of satellites in use: The number of satellites used by the GPS receiver to calculate the position.

Height:

Elevation of the vehicle relative to sea level.

**NOTE:**

A similar menu is also available without route guidance in the service section.

**Dynamic Route Guidance (TMC)**

During route guidance, you can switch TMC on or off or view the current traffic announcements.

**Switch TMC On/Off**

Select the dynamic route mode as your route option. The route is calculated taking into account the TMC traffic announcements.

To turn the TMC function off, change the route mode to fast route or to short route in the destination input menu.

**Displaying TMC Messages**

Press the TMC multifunction button in the route guidance display.

If TMC is on, the following display appears. If not, you will have to switch on TMC.

**Traffic Message Menu.**

Turn the OK knob left/right to highlight the "All messages" selection and press the OK knob to confirm.

**Traffic Message Menu.**

All the received messages are displayed.

**NOTE:**

The system can summarize traffic messages into message blocks. (E.g. 2 A8 means that there are 2 messages for the A8 Karlsruhe Stuttgart.)

Turn the OK knob left/right to highlight the desired message and press the OK knob to confirm.

The message text is displayed.



**Detailed Traffic Message Menu.**

Turn the OK knob to scroll through the message.

## NOTES ON ROUTE GUIDANCE

After starting route guidance, the system calculates the route and announces: "We can start now." You will receive navigation recommendations by voice messages and screen displays.

### NOTE:

**You can hear the last driving recommendation by pressing the RPT button.**

Please follow the direction indicated by the arrow. The display appears for 8 seconds after pressing the right knob.

### WARNING!

**Danger of Accident: DO NOT IGNORE TRAF-FIC LAWS.** If a driving recommendation contradicts the traffic laws, the laws ALWAYS take precedence!

For clarification, this section contains a selection of examples of possible driving recommendations:



**Please Make A U-turn If Possible.**

You are driving in the wrong direction and should turn around at the earliest opportunity.



**Please Turn Right In 200 Yards.**

The arrow points in the direction you should turn. The progress bar on the right illustrates the distance. The dark area decreases as you approach the intersection.



**Please Follow The Road.**

You should continue driving on the current road for the distance shown.



**"Prepare To Turn Left" Or "Move Into Left-Hand Lane."**

### NOTE:

**Keep left doesn't mean to use HOV lanes or express lanes.**

You should note that there is an upcoming turn and prepare to make any lane changes needed to safely make the turn. As always, road safety must be observed when making a lane change.

**NOTE:**

At intersections and traffic circles, only the ends of the roads to be passed are displayed.



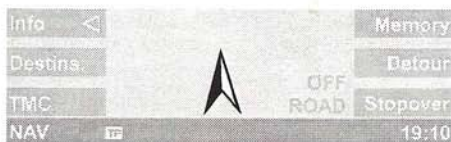
**"Please Take The Second Turn On The Right."**

This arrow shows you which exit you should take from a traffic circle.



**"Now Go Straight On."**

This arrow indicates you should drive straight ahead.



**"Please Follow The Arrows In The Display."**

This display tells you that you are currently in an area, such as a parking lot, garage, etc., that is not contained on the digital street map. The arrow indicates the actual geographic direction of the destination, without considering the street map.



**"Keep Right In 2 Kilometers."**

"Keep right" means that the street will fork and you should follow the indicated direction.



**"You Have Reached Your Destination."**

The specified destination has been reached and route guidance is terminated. The display will switch back after 8 seconds.

## SERVICE MENU

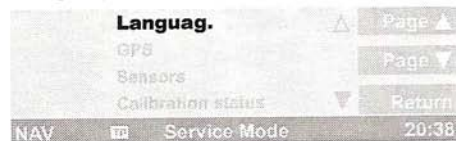
Press the NAV mode button and turn the OK knob left/right to highlight the Service selection. Push in the OK knob to activate the choice.



## Navigation Main Menu

Select from following service menus:

## Language



Turn the OK knob left/right to highlight the "Service" selection. Push in the OK knob to activate the language menu ("Language").



### Select Language Menu

Turn the OK knob left/right to highlight the desired selection. Push in the OK knob to activate the desired language.

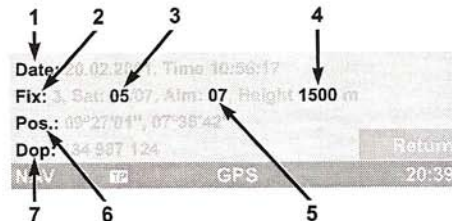
Available languages are US English, British English, German, Dutch, French, Italian and Spanish.

### NOTE:

It is necessary to insert the navigation CD in order to change the language.

## GPS

This menu provides service information for the 12 channel GPS receiver.



### GPS Info Menu

- 1 UTC date and time
- 2 Satellite dimensional fix
- 3 Number of satellites seen/used
- 4 Elevation above sea level
- 5 Number of saved almanacs
- 6 Geographical position
- 7 Signal quality

UTC Date and Time:

Universal Time Coordinated displayed in  
"Date: dd.mm.yyyy"  
"Time: hh:mm:ss"

Dimensional fix:

"Fix: 0": Unable to calculate position.

"Fix: 1": A 1 dimensional position is available.

"Fix: 2": A 2 dimensional position is available.

"Fix: 3": A 3 dimensional position is available.

Almanacs:

Each GPS satellite transmits almanac data to the navigation radio, showing the orbital information for the satellites. The radio keeps the almanac file for each received satellite in its memory. A full satellite constellation is 24 satellites.

Used Satellites:

Number of satellites used by the GPS receiver to calculate the position,

Seen Satellites:

Number of satellites received (seen).

Height:

Elevation above sea level.

Geographical position:

Latitude, Longitude.

Signal Quality:

Dilution of precision is an indicator of the quality of the satellite constellation geometry. A greater angle between used satellites lowers the DOP and provides more accuracy calculating the position (Positional, Horizontal and Vertical DOP).

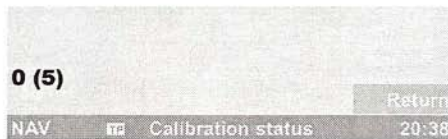
## Sensors

This menu provides sensor information.



**Sensor Menu**

## Calibration Status



**Calibration Status Menu**

This menu provides calibration status information. The navigation radio sensors need to be calibrated. This process is performed constantly during driving. The unit adapts to the external and internal sensors as well as to the tire sizes of the car. This calibration data is saved in the memory. This data has to be retrieved again after the battery was disconnected (e.g. service or battery change). A calibration status of 3 is possible after driving a couple of hundred yards.

## Metric System



**Select Language Menu**

Turn the OK knob left/right to highlight the desired selection. Push in the OK knob to activate the desired measuring system.

**GLOSSARY OF TERMS**

|                               |    |
|-------------------------------|----|
| • GLOSSARY OF TERMS . . . . . | 60 |
|-------------------------------|----|

## GLOSSARY OF TERMS

ALM . . . . . Almanac  
AS . . . . . Autostore

CD . . . . . Compact Disc  
CD Changer . . . . . Compact Disc Changer

DOP . . . . . Dilution of precision

FIX . . . . . Vehicle Position Determined by Satellite

GPS . . . . . Global Positioning System  
GMT . . . . . Greenwich Mean Time

J1850 . . . . . Communication Standard

MFB . . . . . Multifunction button  
MFS . . . . . Multi Functional Steering wheel  
MOST . . . . . Media Oriented Systems Transport

POI . . . . . Point of Interest

POS . . . . . Position  
PTY . . . . . Program type

RDS . . . . . Radio Data System

TA . . . . . Traffic Announcement identification  
TMC . . . . . Traffic Message Channel  
TP . . . . . Traffic Program

UTC . . . . . Universal Time Coordinated

DaimlerChrysler Corporation

81-170-03036  
Printed in Europe