SEAT MEDIA SYSTEM 2.1 OWNER'S MANUAL

Foreword

This Instruction Manual and its corresponding supplements should be read carefully to familiarise yourself with your vehicle.

Besides the regular care and maintenance of the vehicle, its correct handling will help preserve its value.

For safety reasons, note the information concerning accessories, modifications and part replacements.

If selling the vehicle, give all of the on-board documentation to the new owner, as it should be kept with the vehicle.

Contents

General information 3

Important Information 5

Introduction 6

Before using the unit for the first time 6
Safety instructions 6
Unit overview 8
General operating information 10

Audio mode 14

Radio mode 14
RDS radio data and TP (Traffic Programme) services 21
DAB digital radio mode 24
Media mode 29
MEDIA-IN multimedia interface 42

Navigation 47

Introduction to navigation 47
Enter destination 52
Destination memory 58
Route guidance 63

Telephone control (Phone) 75

Introduction 75
Stored numbers 81
Using the telephone 84

Settings (SETUP) 87

Sound, volume and system settings 87

Abbreviations 90

Abbreviations 90

Index 91

General information

This manual contains information, recommendations, advice and warnings related to your radio system. The other publications in the vehicle documentation contain further information of which you should be aware for your own safety and for that of your passengers.

Ensure that the onboard documentation is kept in the vehicle at all times. This is especially important when lending or selling the vehicle to another person.

This manual contains a description of the **equipment** supplied with the vehicle at the time of press. Some of the units described herein will not be available until a later date or is only available in certain markets.

The **illustrations** are intended as a general guide and may vary from the equipment fitted in your vehicle in some details.

Directions and positions of components (e.g. right, left, front, rear) are always relative to the direction of travel of the vehicle unless otherwise stated.

The equipment marked with an asterisk* is only supplied as standard in certain model versions, is optional in others or is only available in specific countries.

® Registered trademarks are marked ®. The absence of this symbol does not constitute a waiver of the rights concerning any proprietary name.

▶ Indicates that the section is continued on the following page.

■ Indicates the **end of a section**.

WARNING

Texts preceded by this symbol contain information on safety. They warn you about possible dangers of accident or injury.

Caution

Texts with this symbol draw your attention to potential sources of damage to your vehicle.

For the sake of the environment

Texts preceded by this symbol contain relevant information concerning environmental protection.

Note

Texts preceded by this symbol contain additional information. ■

Important Information

Important Information. Traffic safety

Today's traffic conditions require the full attention of all road users.

Only operate the radio and its various functions when the traffic situation really permits this.

WARNING

- **Before starting the trip, you should familiarise yourself with the different radio functions.**
- **High audio volume may represent a danger to you and to others.**
- **Adjust the volume in a way that you can distinguish surrounding noise, for example, horns and sirens, etc.**
- **Radio settings should be made when the car is stopped or by a passenger.**

Note

If the radio is lost with the code, go to a SEAT Dealer, who will help you. ■

Introduction

Before using the unit for the first time

Before using the unit for the first time, carry out the following steps. This will enable you to use the unit safely and make full use of the functions it provides

- Observe the basic safety notes ⚠ ⇒ page 10.
- Familiarise yourself with the unit overview ⇒ page 8.
- Restore factory settings (standard settings) in the system settings menu ⇒ page 87.
- Use suitable data media for Media mode ⇒ page 29. ■

Safety instructions

⚠ WARNING

Your attention may be distracted from the traffic if you use the radio and navigation system while driving, resulting in accident.

- **You should always drive with due care and attention.**
- **Select volume settings that allow you to easily hear signals from outside the vehicle at all times (e.g. emergency service sirens).**
- **If the volume is too high, you could damage your hearing. Even if the volume is too loud for a short period only.**

⚠ WARNING

The recommendations and traffic signs shown by the navigation system may differ from the true traffic conditions.

- **Traffic signs and traffic regulations have priority over the recommendations and instructions given by the navigation system.**
- **Adapt your speed and driving style to suit visibility, road, traffic and weather conditions.**

⚠ WARNING

External devices that are placed loose in the vehicle or not properly secured could be flung though the interior during a sudden driving or braking manoeuvre, or in the event of an accident.

- **While the vehicle is in motion, always fasten or store external devices securely outside the airbag deployment zones.**
- **Arrange the connecting leads of external devices so that they do not obstruct the driver.**

⚠ WARNING

The volume level may suddenly change when you switch audio source or connect a new audio source.

- **Reduce the base volume before switching audio sources or connecting a new audio source ⇒ page 11.**

⚠ WARNING

Opening a CD player's housing may lead to injuries from invisible laser radiation.

WARNING (continued)

- **Only have CD players repaired by a qualified workshop.**

Caution

The memory card slot's locking mechanism can be damaged by incorrect insertion of a memory card or by inserting a non-compatible memory card!

- When inserting a card, make sure it is correctly positioned ⇒ page 29.
- Applying force may destroy the memory card slot's locking mechanism.
- Only use suitable memory cards ⇒ page 29.

Caution

- When inserting and removing CDs, always hold them at right angles to the front of the unit. Inserting or removing them at an angle to the drive may lead to scratching ⇒ page 32.
- Inserting a second CD while a CD is already inserted or being ejected may damage the CD player. Always wait until the CD has been ejected!

Caution

Any foreign objects attached to a data medium and non-round data media can damage the CD player.

- Only clean 12-cm standard CDs should be used!
  - Do not stick stickers or other items to the CDs. Stickers may peel off and damage the drive.
  - Do not insert 8-cm single CDs or non-round CDs (shaped CDs).
  - Do not insert DVD-Plus discs, Dual Discs or Flip Discs, as these are thicker than normal CDs. ■

Unit overview

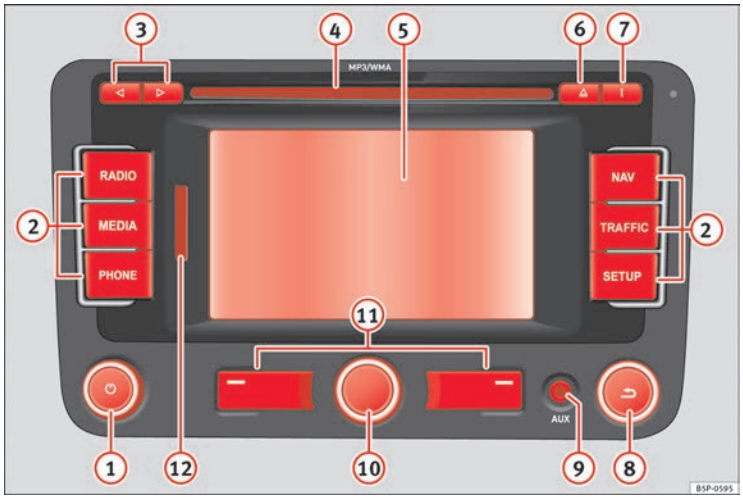

Fig. 1 Overview of the controls.

(1) Rotary/push knob.
- *Press* to switch on and off ⇒ page 10.
- *Turn* to adjust the base volume ⇒ page 10.

(2) *Press* to activate a function area.
- RADIO : switch on the radio and change frequency band ⇒ page 14.
- MEDIA: change to Media mode ⇒ page 29.
- PHONE: switch on the Telephone function ⇒ page 75.
- NAV: open the Navigation main menu ⇒ page 47.
- TRAFFIC: display stored traffic news (TMC) ⇒ page 71.
- SETUP: open a context-sensitive setup menu for the selected mode, and switch on sound and system settings ⇒ page 87.

(3) **Arrow buttons** ◁ and ▷ always affect the currently active audio source irrespective of the menu displayed on the screen.
- In **all radio modes**, *press briefly* (please observe the respective display◁★▷) to change station or channel ⇒ page 14.
- In **Media mode**, *press briefly* to change title or chapter, and *hold down* to fast forward or rewind ⇒ page 29.

(4) CD slot ⇒ page 29.

(5) Touchscreen ⇒ page 10.

(6) ⏏ CD eject button ⇒ page 29.

(7) ⓘ *Press* Info to display additional information relating to the menu:
- Display or hide the radio text in **Radio mode** ⇒ page 21.
- Display additional title information (stored position) in **Media mode** ⇒ page 29.
- While **navigating**, to display current position of vehicle or programmed destination ⇒ page 47.

(8) ⮌ *Press* the **back button** to close menus and pop-up windows.

(9) **AUX-IN multimedia socket** for connecting external audio sources ⇒ page 29.

(10) **Setting knob**: the function depends on which mode is activated.
- In **all radio modes**, *turn* to manually change the station or channel ⇒ page 14.
- In **Media mode**, *turn* to manually change the title and *press* to stop and start the scan function ⇒ page 29.
- **Turn** to modify the *map scale* ⇒ page 63.
- During the **route guidance**, *press* to repeat a navigation instruction ⇒ page 63.

(11) **Function buttons**: the current function is displayed on the screen via the corresponding function button. ⇒ page 10.

(12) Memory card slot ⇒ page 29. ■

General operating information

Introduction

Due to changes to its settings, some aspects of the unit's operation may differ from the descriptions given in this manual. For this reason, SEAT recommends that you reset the unit to its **factory settings** the first time you use it ⇒ page 87.

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Multifunction steering wheel, to change track or station ⇒ Booklet “Owner's Manual”, Section “Vehicle overview”

Note

Lightly pressing the buttons or briefly pressing the touchscreen is sufficient to operate the unit.

Note

Never press a button down for longer than 10 minutes. Otherwise the system will interpret this as a malfunction (*button jammed*).

Note

Due to country-specific legislation, certain functions cannot be selected on the screen when the vehicle is travelling above a certain speed.

Note

Using a mobile telephone in the vehicle may cause noise from the vehicle speakers.

Note

In some vehicles equipped with a parking distance warning system, the volume of the current audio source is automatically lowered when reverse gear is engaged.

Note

Restrictions on the use of devices using Bluetooth technology may be applicable in some countries. Please ask your local authority for further information. ■

Switching on and off

Press the rotary/push knob ⏻ ⇒ page 8, fig. 1 (1) briefly to manually switch the unit on or off.

When the system is switched on, the sound source which was playing when the unit was switched off will come on.

When the engine is off, the unit will automatically switch off after 30 minutes (timeout).

Anti-theft code

The anti-theft code is stored in the vehicle once it has been entered (convenience radio code). The anti-theft coding lock then only needs to be released manually if the unit is installed in another vehicle. In such a case, a keypad field and a prompt to enter the code will appear when the unit is switched on. In this case, you should contact a SEAT dealer.

If the vehicle battery has been disconnected, switch on the ignition before reconnecting the unit. ■

Adjusting the base volume

Function	Action
Increase the volume.	Turn the sound control knob ⇒ page 8, fig. 1 to the right, or press the button on the multifunction steering wheel ⇒ Booklet “Owner's Manual”.
Lower the volume.	Turn the volume control anti-clockwise or press the button on the multifunction steering wheel.

Changes to the volume are indicated by a “bar” on the screen. During this time the unit cannot be operated.

At “0” the unit is muted (display:) and the current media source is stopped.

It is possible to preset certain volume settings and adjustments ⇒ page 87.

WARNING

Your attention may be distracted from the traffic if you use the radio and navigation system while driving, resulting in accident.

- **You should always drive with due care and attention.**
- **Select volume settings that allow you to easily hear signals from outside the vehicle at all times (e.g. emergency service sirens).**
- **If the volume is too high, you could damage your hearing. Even if the volume is too loud for a short period only.**

Caution

If the volume is too high or the sound is distorted, the vehicle speakers may be damaged.

Note

If the base volume has been turned up high to play an audio source (e.g. due to very quiet audio output from an external audio source), lower the volume again before switching audio source. ■

Additional information and display options

The text displayed on the screen may vary depending on the settings and may not match the illustrations shown here.

All displays appear only after the radio-navigation system has completed start-up.

Depending on the vehicle, the changes to the air conditioning settings or the texts relating to driver assistance systems fitted at the factory are displayed. These displays disappear automatically when they are no longer required. ■

Function buttons and unit buttons

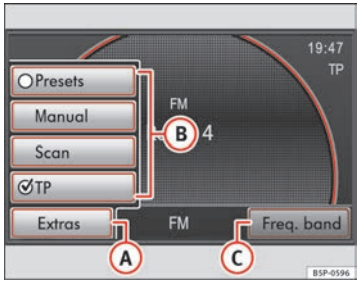

Fig. 2 RADIO main menu with pop-up window.

The unit is equipped with a touchscreen.

The currently selected menu is displayed in the centre of the bottom line of the screen.

Controls

- Rotary/push knobs.
- Labelled **unit buttons**.
- **Function buttons** on the unit.
- **Function buttons** displayed on the screen.

Rotary/push knobs

The left-hand rotary/push knob ⇒ page 8, fig. 1 (1) is referred to as the volume control or the on/off switch.

The central rotary/push knob ⇒ page 8, fig. 1 (10) is referred to as the setting knob.

Unit buttons

This manual uses the word “unit button” and a symbol [...] to refer to buttons on the unit, e.g. the [RADIO] unit button.

There are two unlabelled unit buttons below the screen ⇒ page 8, fig. 1 (11). Each has the same function and is operated in the same way as the function button displayed on the screen above it ⇒ fig. 2 (A) and (C).

Unit buttons are operated either by *pressing* or *pressing and holding* them.

Function buttons on the screen.

Active areas of the screen that call up a certain function are called “function buttons”. These buttons are operated by *briefly pressing* the screen or by *pressing and holding*. Function buttons are referred to in this manual with the button symbol [...] and the word “function button”.

If a function button on the screen has a grey background, it is disabled, e.g. ⇒ fig. 2 (C).

Pop-up window

A “pop-up window” is a small window (B) that is temporarily displayed on top of the current menu and contains additional function buttons.

Function buttons in pop-up windows can be selected by pressing them. This closes the pop-up window.

Press the [↩] unit button to close the pop-up window without making any changes.

Starting functions or enabling functions using “checkboxes”

Some functions are started and stopped by pressing a button, for example the scan function ⇒ page 16.

Other functions and displays are permanently activated or deactivated and are controlled via checkboxes.

A tick in the checkbox ☑ indicates that the function is enabled, and an empty checkbox ☐ means that it is disabled.

Any functions enabled by checkbox can only be disabled by opening the pop-up window again and pressing the respective checkbox.

Selecting function buttons with the setting knob

With the exception of the two function buttons ⇒ page 12, fig. 2 (A) and (C) at the bottom, function buttons displayed on the screen can also be marked by turning the setting knob ⇒ page 8, fig. 1 (10). Pressing the setting knob then selects the marked function button ⇒ page 13. ■

Browsing lists and selecting items

Fig. 3 Track list of an MP3 CD.

Available stations or tracks are displayed as items in lists. The currently selected station or track is highlighted ⇒ fig. 3.

Like a function button, you can select a list item by pressing it.

Selecting and opening the list items (setting knob)

- *Selecting list items*: Move the selection box by turning the setting knob ⇒ page 8, fig. 1 (10).

When the selection box is moved to the end of the visible section of the list, the next set of items in the list is displayed.

- *Opening the marked list item*: Press the setting knob.

Scroll through lists quickly (scroll marker)

If there are more items available than can be displayed on the screen, a type of “scroll bar” is displayed on the left of the screen.

The coloured semi-circle indicates the size of the overall list and the “scroll marker” ⇒ fig. 3 (A) shows the position of the section of the list currently displayed. The size of the scroll marker corresponds to the size of the current section of the list relative to the list as a whole. The smaller the scroll marker, the longer the list.

- *To browse by page in long lists*: Briefly press the screen above or below the scroll marker.
- *To browse rapidly through long lists*: Move the scroll marker manually. Place one finger on the scroll marker and *without lifting it from the screen* use your finger to move the marker downwards. Lift your finger off the screen when you reach the desired position.

Closing a submenu or a list view

Action: Result
Press the ⮌ unit button.
The open pop-up window will close.
ALTERNATIVELY: skip to the next menu up until reaching the main menu in question.
ALTERNATIVELY: undo the navigation address entries in steps.

■

Audio mode

Radio mode

Introduction

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8

Note

Car parks, tunnels, tall buildings or mountains may affect the radio signal.

Note

Foil or metal-coated stickers attached to the windows may affect reception on vehicles with a window aerial. ■

Opening the RADIO main menu

Fig. 4 RADIO main menu with station buttons displayed.

Fig. 5 RADIO main menu without station buttons.

- Press the RADIO unit button.

The station you are currently listening to is shown in the middle of the screen.

The “station buttons” in the main *RADIO* menu ⇒ page 14, fig. 4 can be displayed or hidden ⇒ page 18.

Displaying station name (RDS)

If RDS is available and reception is good enough, the station name is displayed (in page 14, fig. 5: **Radio 2**).

The RDS (Radio Data System) is not compatible with all units and is not available everywhere or on all radio stations.

In addition, the RDS permits automatic tracking of stations, radio texts or traffic programmes ⇒ page 21. ■

Changing frequency band

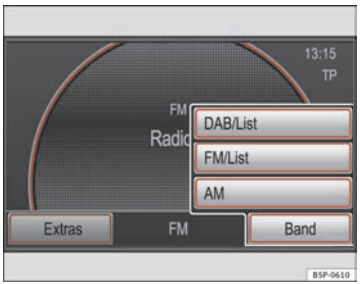

Fig. 6 RADIO main menu: Band function button.

The currently selected frequency band is indicated above the station display and in the bottom line of the screen.

Changing frequency band

- In the *RADIO* main menu, press the RADIO unit button.
- **ALTERNATIVELY:** Press the Band function button and select the range of frequencies by pressing the corresponding button ⇒ fig. 6. ■

Changing radio station or selecting radio stations from the FM station list

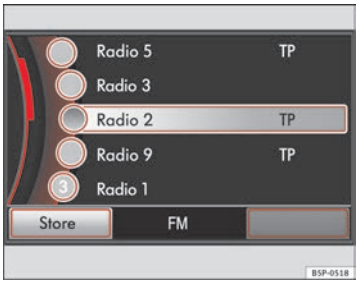

Fig. 7 Station list: the current station is highlighted.

Change radio station by pressing the arrow buttons ◁ or ▷.

- Briefly press an arrow button ◁ or ▷.

Depending on the arrow button settings ⇒ page 19, it is only possible to change between stored stations (display: ◁★▷ in ⇒ page 19, fig. 13). ▶

If the TP function is on (display: **TP**), it is only possible to change to stations that accept this function ⇒ page 21.

Opening the FM station list

The FM station list shows all the FM stations with good reception. You can select a specific station from the FM station list.

- Switch to the FM frequency band ⇒ page 15.
- Press the Band function button and press the FM/List function button in the pop-up window ⇒ page 15, fig. 6.
- **Alternatively:** if the display **station buttons off** is ⇒ page 18, by turning the setting knob ⇒ page 8, fig. 1 (10) it is possible to change directly to the station list.

The FM station list view closes after one minute of inactivity. The FM station list is updated automatically.

No station list is available for the AM frequency band.

Selecting stations from the FM station list and saving them

- Open the FM station list.
- Mark a station by turning the setting knob and press the setting knob to select the marked station ⇒ page 10.
- **Alternatively:** Drag the scroll marker to browse the list and select the desired station by pressing it on the screen ⇒ page 10.
- After selecting a station button, press the Store function button ⇒ page 15, fig. 7 to store the marked station ⇒ page 18.
- To close the FM station list press the ⮌ unit button. ■

Scan function (Scan)

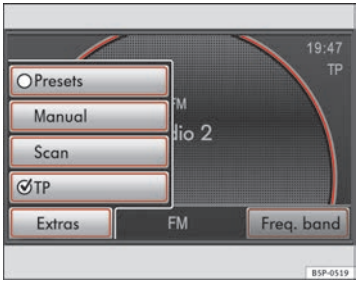

Fig. 8 RADIO main menu: Extras function button.

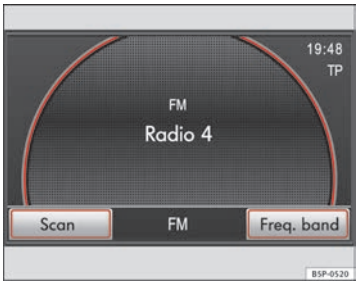

Fig. 9 RADIO main menu during scan.

When the scan function is running, all available stations on the current frequency band are played in sequence for roughly 5 seconds each. ▶

Starting and stopping the scan function

- Open the *RADIO* main menu and select a frequency band ⇒ page 15.
- Press the Extras function button.
- In the pop-up window, press the Scan function button ⇒ page 16, fig. 8.
- The scan function starts and the Extras function button changes to Scan ⇒ page 16, fig. 9.
- Briefly press the Scan function button or the setting knob ⇒ page 8, fig. 1 (10) to stop the scan function at the station that is currently playing.

The scan function also stops when you manually select a station with the arrow buttons or station buttons, or the scan is interrupted by a traffic announcement (traffic news TP ⇒ page 21). ■

Tuning to a station frequency manually

Fig. 10 Tuning to a radio station manually.

- Open the *RADIO* main menu and select a frequency band ⇒ page 15.
- Press the Extras function button.
- In the pop-up window, press the Manual function button ⇒ page 16, fig. 8.
- The frequency of the currently selected station is displayed and the Extras function button changes to Manual ⇒ fig. 10.
- **Changing the frequency in steps:** *turn* the setting knob ⇒ page 8, fig. 1 (10).
- **Scanning rapidly through frequency bands:** *press and hold* the arrow button ◁ or ▷. When you *release* the arrow button, the unit automatically tunes to the next available radio station.
- Press the Manual function button to close manual frequency selection.

After approx. 10 seconds of inactivity, the manual frequency selection closes automatically.

Manual frequency selection is also closed if you select a station with a station button or switch to the FM station list view.

If the selected station is RDS-enabled, the station name is displayed below the frequency ⇒ fig. 10 (Radio 2). ■

Hiding and displaying station buttons and storing stations

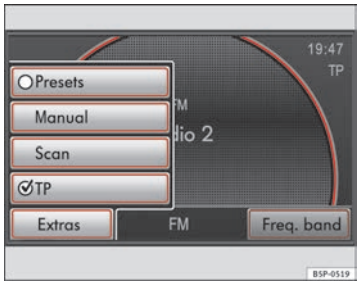

Fig. 11 RADIO main menu: Extras function button.

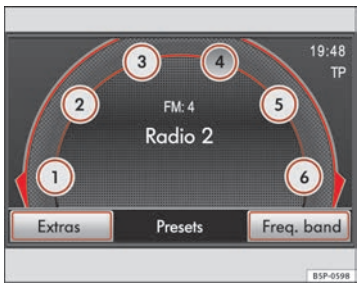

Fig. 12 RADIO main menu with station buttons displayed.

In the main *RADIO* menu, the radio stations can be saved in numbered function buttons ⇒ fig. 12. These function buttons are called “station buttons”. Station buttons can be hidden or displayed.

Displaying and hiding the station buttons

- In the *RADIO* main menu, press the Extras function button ⇒ fig. 11.
- To hide or display the station buttons, clear or tick the checkbox in the Presets function button by briefly pressing it.
- When the checkbox is ticked ☑, six station buttons are displayed in the *RADIO* main menu ⇒ fig. 12.
- Turn the setting knob ⇒ page 8, fig. 1 (10) to select a station button. If you are selecting the first or last station button, when the setting knob is turned either way, the next six station buttons are displayed.

If, even though the check box has been ticked, **the station buttons are not displayed**, the “radio text” option may be activated ⇒ page 21.

Saving stations in station button

If a station is saved to a station button, any station previously saved to the button will be overwritten.

- Display the station buttons and select a station.
- Press and hold the desired station button until you hear a tone.
- The currently selected station is saved to the station button ⇒ page 19, fig. 13.
- **ALTERNATIVELY:** Select the station button by *turning* the setting knob and press and hold the setting knob until you hear a tone.

The stations can also be saved with only the settings knob.

- *Press and hold* the settings knob until the next free station button for the currently selected station is automatically displayed.
- *Turn* the setting knob to select another station button.
- *Briefly press* the setting button to save the station.

The stations can also be selected by displaying the station list ⇒ page 16.

If a station name has been sent by the RDS and saved incorrectly, it is possible to change its name ⇒ page 21.

You can delete the stations stored to the station buttons individually or all together ⇒ page 19.

Note

If you do **not** usually use the station buttons to select stations, SEAT recommends that you hide the station buttons. You can then go straight to the station list by turning the setting knob ⇒ page 16. ■

Selecting stations saved on the station buttons

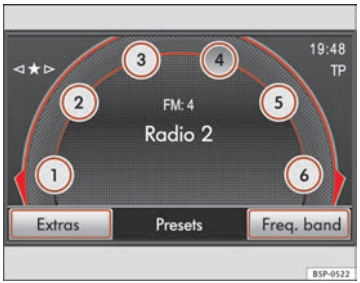

Fig. 13 RADIO main menu with station buttons displayed.

It may be necessary to hide the “radio text” ⇒ page 21.

- Open the *RADIO* main menu and if necessary adjust the setting to display the station buttons ⇒ page 18.
- Turn the setting knob ⇒ page 8, fig. 1 (10) to select a station button. The station stored to the marked station button will be displayed.
- Press the setting knob to select the displayed station.
- **ALTERNATIVELY: Briefly** press the station button on the screen to select the stored station directly.
- **Alternatively:** if ◁★▷ is displayed ⇒ fig. 13, the stored stations can be activated one after the other by pressing the arrow keys ◁ and ▷ ⇒ page 19.

The stations in all the frequencies can be changed. The stored stations can be deleted one by one or all together ⇒ page 19.

It is only possible to play a stored station if it can be received at your current location. ■

Radio setup menu (SETUP)

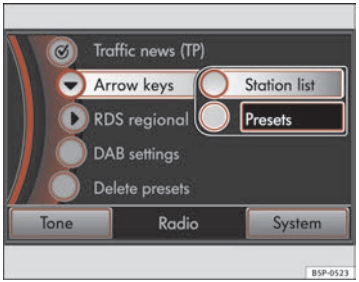

Fig. 14 Setup menu for Radio mode.

In the *RADIO* main menu, press the SETUP unit button to open the **Radio** *setup menu*.

Function button: Result
Traffic news (TP): The TP function is switched on ⇒ page 21.
▶ Arrow buttons: Define the station selection for the arrow buttons ◁ and ▷.
Stations: **All** available stations on the selected frequency band can be browsed with the arrow buttons ⇒ page 15.
Presets: Using **only** the arrow keys, switch between the stored stations ⇒ page 19 (display: ◁★▷ ⇒ page 19, fig. 13).
▶ RDS Regional: Define the setting for automatic station tracking with RDS ⇒ page 21.
Automatic: The unit always switches to the radio station's frequency that currently offers the best reception. As a result, regional programmes may be interrupted.
Fixed: For as long as possible, the unit only switches to alternative frequencies for the selected radio station that broadcast the same regional service.
DAB settings: in units with a DAB radio receiver, this may affect other additional settings ⇒ page 24.
Delete preset list: Delete stations stored to station buttons.
All: All stored stations will be deleted.
One: *Turn* the setting knob ⇒ page 8, fig. 1 (10) to display, one after the other, all the stations stored on the station buttons, and *press* the same button to delete the station displayed.
To cancel, press the ⮌ unit button ⇒ page 8, fig. 1 (8).

RDS radio data and TP (Traffic Programme) services

Introduction

RDS (Radio Data System) is a radio data service for broadcasting programme and additional service identifiers, and displaying station names and radio text, automatic station tracking and traffic programmes.

The RDS is not compatible with all equipment and is not available everywhere or on all radio stations.

Without RDS it is not possible to use the RDS radio services.

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Radio mode ⇒ page 14

Note

The radio station is responsible for the content of the broadcast information. ■

RDS and radio text

Fig. 15 Main RADIO menu with station name display and TP function activated.

If the RDS service is available and the quality of reception is good enough, the station name may be displayed in Radio mode ⇒ fig. 15.

Automatic station tracking

Some FM stations broadcast different content (temporary or permanent) on different wavelengths using the same name depending on the region.

By default, automatic station tracking always switches to the currently selected radio station's frequency that offers the best reception, as the vehicle travels from one area to the next. As a result, you may lose the regional programme you are listening to. The automatic change of station can be deleted using the *setting menu* **Radio** ⇒ page 19.

Display and delete the radio text

Some RDS-enabled stations also broadcast additional text information known as radio text. It is possible to adjust the display to show radio text.

- In the *RADIO* main menu, press the (i) unit button.

While radio text is switched on **i** is shown at the top right of the screen.

Radio text is switched off as the default factory setting.

Changing stored radio station names (RDS)

Sometimes when a station is stored, the station name is not correctly displayed.

- Select the stored station ⇒ page 14.
- Wait until the correct station name is displayed and then briefly press the setting knob ⇒ page 8, fig. 1 (10).
- The text that is currently displayed will be stored as the station name. ■

TP function (Traffic Programme)

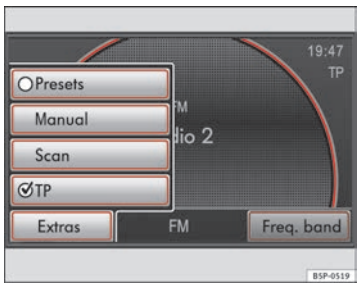

Fig. 16 Switching on the TP function.

Fig. 17 Media mode with traffic news monitoring active.

While the traffic news tracking function is on, the news bulletins will be activated in the audio mode currently playing.

Traffic news monitoring with the TP function is only possible if the TP station is available.

Some stations that do not broadcast their own traffic news support the TP function by being linked to a traffic news station (EON). Traffic announcements broadcast by the linked traffic news station interrupt the current audio mode.

Switching the TP function on and off

- Open the *RADIO* main menu and select the FM frequency band ⇒ page 14.
- Press the Extras function button.
- Press the TP function button to tick the checkbox ☑ ⇒ fig. 16.
- If the station that is currently selected does **not** support the TP function, the unit will automatically search for a TP station.
- Clearing the checkbox switches the TP function off.

You can also switch the TP function on and off in the **Media** *setup menu* ⇒ page 40.

TP function on

Irrespective of the currently selected station, an additional component of the receiver ensures that a station which broadcasts traffic programmes is always received.

While the **Media mode** is on, it will always try to tune in to a traffic station in the background.

If the traffic news tracking function is available, **TP** is displayed on the upper right corner of the screen ⇒ page 22, fig. 17.

When no radio stations are received, for example, when the reception is generally poor, **No TP** is displayed. ■

Incoming traffic announcement

Fig. 18 Incoming traffic announcement.

An incoming traffic announcement will interrupt the active audio mode.

- A pop-up window opens ⇒ fig. 18.
- If required, the radio-navigation system is switched to the traffic news station (EON) for the duration of the traffic announcement.
- The media mode will be paused and the volume will be adjusted to the preset level ⇒ page 88.
- If the traffic announcement volume is adjusted with the volume control, this setting will be retained for future announcements.
- Pressing the Cancel function button stops the current traffic announcement.
- Pressing the Deactivate TP function button switches the TP function off permanently. ■

DAB digital radio mode

Introduction

Some units also have a DAB radio receiver. DAB is a broadcasting standard for the overland reception of radio programmes

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Basic information on use ⇒ page 10
- Radio mode ⇒ page 14

Note

The radio station is responsible for the content of the broadcast information. ■

Operation

In Europe, digital radio has two DAB broadcasting standards, DAB+ and DMB radio. The digital radio broadcasts on frequencies from waveband III (174 MHz to 240 MHz) and waveband L (1452 MHz to 1492 MHz).

The frequencies of both bands are called **“channels”**, and are abbreviated accordingly (for example, **12 A**).

In one channel, several DAB stations join together with the additional available services, forming an **“Ensemble”**.

These **additional services** are used to send additional information to the radio (e.g. news, sports, weather, warnings, etc.).

DAB is currently **not** available in all areas. When the DAB radio mode is active, in areas where DAB is not available, the symbol of an aerial crossed out is displayed.

Depending on the settings, in DAB mode **incoming DAB messages** are played (for example, news, sport, weather forecasts, warnings, etc.) ⇒ page 27.

As a general rule, while you are driving the **DAB tracking** function changes to the channel of the currently playing digital station with the best reception. This permits additional settings to be made ⇒ page 27.

Note

If the symbol of a crossed-out aerial is displayed “”, this indicates that the currently playing digital station on the channel selected is no longer available in this location.

Note

Some digital stations also offer the **radio text** service. This is activated in exactly the same way as for a conventional radio station ⇒ page 21.

Note

The DAB radio receiver is compatible with the DAB and DAB+ standards. ■

Operation

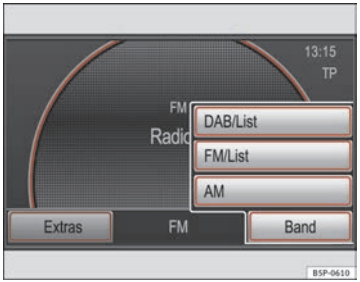

Fig. 19 Switch to DAB digital radio mode.

Fig. 20 Digital radio main menu.

Starting DAB Radio mode

- In the main *RADIO* menu, briefly press RADIO to switch between the available wavebands.
- **ALTERNATIVELY:** Press the Band function button and press the DAB/List function button in the pop-up window ⇒ fig. 19.

When in DAB radio mode, the last played digital station will be played, provided reception is still possible in the current location ⇒ fig. 20.

The selected ensemble is displayed in the upper line of the screen (Ensemble A), and the currently playing DAB station is displayed below (**DAB-Radio A-2**).

Changing DAB stations

- *Briefly press* one of the unit's arrow buttons ⇒ page 8, fig. 1 (3).

After you have reached the last (or first) DAB station in the currently selected ensemble, the unit changes to the first (or last) DAB station of the next ensemble.

Please note ◁★▷! If ◁★▷ is displayed, the unit will only analogically tune into the stations stored in the station buttons in FM radio mode ⇒ page 14.

Activate additional DAB stations

If an additional station is available for the currently playing DAB station, the corresponding display will be visible below the station name.

It is possible to tune into all the available additional stations, switching from one to the next.

- Briefly press the setting knob ⇒ page 8, fig. 1 (3) to change to the next available additional station.
- **Alternatively:** if the station has been allocated to a station button, briefly press this button ⇒ page 14.

After scanning through all the additional stations, the unit will switch back to the main station.

- **Alternatively:** press the function button Extras and Additional stations[1] in the pop-up window.

1) The unit only displays whether there are additional stations available for the currently playing station.

- **Alternatively:** switch on the additional stations from the list of DAB stations ⇒ page 26.

Note

The stations are stored to the station buttons in the same way as that described for the conventional radio mode ⇒ page 14.

Note

The scan function stops and starts in the same way as that described for the conventional Radio mode ⇒ page 14. ■

DAB station list

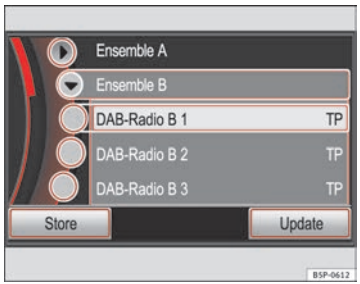

Fig. 21 DAB station list: select a station.

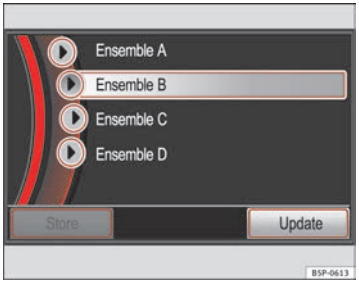

Fig. 22 DAB station list: select an ensemble.

The DAB station list gives all the DAB ensembles which can be played with the corresponding DAB station.

Opening and closing the DAB station list

- In DAB radio mode, press the Band function button and press the DAB/List function button in the pop-up window ⇒ page 25, fig. 19.
- **Alternatively:** if the station button display is not on in DAB radio mode ⇒ page 18, turn the setting knob ⇒ page 8, fig. 1 (10) to open the DAB station list.
- To close the station list, press the ⮌ function button.

If the list is not used, it will close automatically after one minute.

Select a DAB station and change the DAB ensemble

When the DAB station list is opened, the currently playing station is displayed highlighted. The ensemble for the currently playing station is shown as open ⇒ fig. 21.

- Turn and press the setting knob ⇒ page 8, fig. 1 (10) to select and switch on a station in an open ensemble.

- Turn the setting knob to the left until the open ensemble has been selected, for example, Ensemble B.
- Press the setting knob to close the ensemble display.
- Turn the setting button to select another ensemble ⇒ page 26, fig. 22.
- Turn the setting button to open the selected ensemble.
- Switch on the station by touching the screen, or by turning and pressing the setting knob.

Switching on additional stations on the DAB station list

If there are additional stations for a DAB station, an arrow is displayed before the name of the station ▶.

If one of these stations is switched on from the list, first another list is opened for you to select whether you wish to listen to the main station o one of the additional stations.

Updating the DAB station list

While the stations are being updated, the unit searches the dial for available ensembles in the region.

Even though the unit is not operating in DAB mode, the list of DAB stations will be automatically updated.

The list of digital stations can also be updated manually.

- Press the Update function button in the DAB station list ⇒ page 26, fig. 21.
- Wait until the update has completed.
- **Alternatively:** press the Cancel function button.

While the stations are being updated, a pop-up window opens and the volume of the DAB radio is muted.

The pop-up window closes once the update is complete.

The currently playing DAB station is not modified with the update.

Displays and function buttons in the DAB station list

Display: Meaning
Ensemble: ensemble closed.
Ensemble: ensemble open.
Radio DAB A-x: DAB station in an open ensemble.
Radio DAB A-x: the DAB station offers other additional stations.
Radio DAB A-x: temporarily without reception of the DAB station.
Radio DAB A-x (FM): station received on FM band. Temporarily unable to receive DAB.
Save: to save a selected station to a station button ⇒ page 14.
Updating: to update the DAB station list.

DAB settings

- In Radio mode, press the SETUP button.
- In the **Radio** *setup menu*, press the DAB settings button.

Function button: Result
DAB announcements: the incoming DAB messages are played with the DAB radio mode on. If there is no FM station temporarily available and the TP function is on, the DAB traffic reports are played in any operating mode as TP reports ⇒ page 21.
DAB tracking: tracking of activated programmes. To switch off, untick the check box.
Automatic switch DAB-FM: The unit may be set to switch to the FM frequency band when required for automatic station tracking.

DAB programme tracking and switching from DAB to FM

The DAB and FM station should broadcast the corresponding station identifier in order to run programme tracking in several frequencies.

When the DAB reception is poor, the unit tries to find and tune into the corresponding DAB station in the FM band.

As long as the station is broadcast through the FM band, **(FM)** is displayed behind the station name. When the station can be found again in DAB, the **(FM)** display disappears.

If the reception of a DAB station is poor and it cannot be found on FM either, the radio volume is muted.

The DAB programme tracking function can be switched off if you do not wish to change stations automatically, as the loss of signal is for a short time only, for example, when driving though a tunnel. ■

Media mode

Introduction

"Media sources" are audio sources containing audio files on various different data media (e.g. CD, memory card, external MP3 player). These audio files can be played by the radio and navigation system from its corresponding drives or audio input sockets (internal CD changer, memory card slot, AUX-IN multimedia socket etc.).

The supported file formats listed are collectively referred to below as "audio files". A CD containing audio files of these types is referred to as an "audio data CD".

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Multimedia interface ⇒ page 42

WARNING

Inserting a data medium while you are driving could distract you from the road and result in accident. ■

Media source and audio file requirements

Factory-fitted CD players conform to safety class 1 according to DIN IEC 76 (CO) 6/ VDE 0837.

The unit only accepts 12-cm standard CDs and memory cards with the dimensions 32 mm x 24 mm x 2.1 mm or 1.4 mm.

Media source	Requirements for playing in the unit
Audio CDs with CD Digital Audio logo.	- CD Digital Audio specification.
CD-ROM, CD-R and CD-RW audio data CDs up to max. 700 MB (megabytes) compliant with ISO 9660 or in the Joliet file system. SD and MMC memory cards up to max. 2 GB (gigabytes) and SDHC memory cards up to max. 32 GB.	- MP3 files (.mp3) with bit rates of between 48 and 320 kbit/s or with variable bit rate. - WMA files (.wma) up to 9.2 mono/stereo without copy protection. - Playlists in the formats PLS, M3U and WPL. - File names and paths no longer than 256 characters. - Folder structures with a maximum of eight levels. - Audio data CDs with max. 50 folders and max. 500 files. - Memory cards with max. 5000 folders and max. 15000 files with max. 6000 files per folder.
Playing audio files via Bluetooth®a).	- The external audio source must be compatible with the Bluetooth A2DP profile.
AUX. External audio source.	– Audio output is possible with a 3.5 mm jack connector ⇒ page 8, fig. 1 (9).
MDI. External data medium.	- Compatible with MEDIA-IN multimedia interface ⇒ page 42.
AUX2. Additional external source	- Depending on the vehicle equipment, this source can be used to play audio from an external player connected to a Rear Seat Entertainment system (only if the vehicle does not have MDI).

a) Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Restrictions and notes

Dirt, high temperatures or mechanical damage may damage the data mediums. Observe the manufacturer's instructions.

Variations in the quality of data media produced by different manufacturers may lead to problems during playback.

Observe copyright laws!

CDs recorded in UDF or Direct CD format cannot be played. Under Windows Vista® ensure that the correct format is selected.

The unit may be unable to read individual tracks or the entire data medium due to the data medium configuration or the devices and programs used for recording. Information can be found on the Internet on the best ways to create audio files and data media (compression rate, ID3 tag etc.).

Due to the larger quantity of data, it takes longer to read a data medium containing compressed audio files (MP3, WMA etc.) than a “normal” audio CD. Complex folder structures can also slow down the reading of a data medium.

Playlists only determine a certain playing order. There are *no* files stored in a playlist. The unit will *not* play a playlist if the files are *not* on the data medium at the locations referred to by the playlist (relative file paths). ■

Playing order of files and folders

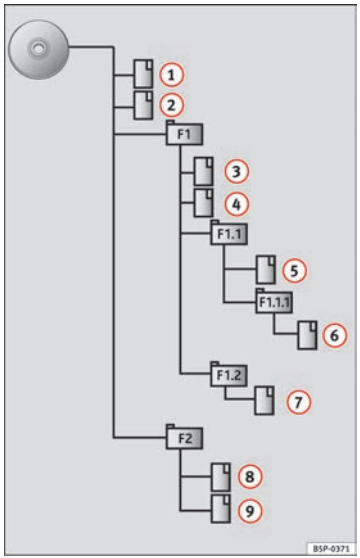

Fig. 23 Possible structure on an audio data CD.

Audio files 🗀 on data media are often organised by means of folders 🗀♪ and playlists 🗋 to determine a certain playing order.

Tracks, folders and playlists on a data medium are sorted by name in alphanumeric order. ▶

The illustration ⇒ page 30, fig. 23 shows a typical audio data CD that contains tracks, folders and subfolders.

The tracks are played in the following order:

1. Tracks (1) and (2) in the CD's root directory
2. Tracks (3) and (4) in the **first** folder **F1** in the CD's root directory
3. Track (5) in the **first** subfolder **F1.1** of the folder **F1**
4. Track (6) in the **first** subfolder **F1.1.1** of the subfolder **F1.1**
5. Track (7) in the **second** subfolder **F1.2** of the folder **F1**
6. Tracks (8) and (9) in the **second** folder **F2**

The playlists are also treated as folders. ■

MEDIA main menu

Fig. 24 MEDIA main menu: Audio CD track display.

Fig. 25 MEDIA main menu: Track display for an audio data CD.

In the *MEDIA* main menu, various media sources can be selected and played.

- Press the MEDIA unit button.

The last media source played continues to be played.

The media source being played is displayed in the centre of the bottom line of the screen in the *MEDIA* main menu.

If it is not possible to select a media source, when you try to enter the main menu *MEDIA* a pop-up window opens displaying the AUX2 function button. If this function button is pressed, the check box **Activate AUX2 input** is marked in the Media Setup menu, and in the **Media Selector**, the **MDI** source or the **AUX2** source (depending upon the vehicle configuration) is displayed as active, even if there is no device connected to this source. Therefore, this option should not be switched on, except in the cases shown (see ⇒ page 34 and ⇒ page 42.

Track information display

As the default display, **Track** and the track number corresponding to the track order on the CD are displayed in the centre of the screen ⇒ fig. 24.

If the audio files contain additional track information (CD text, ID3 tag in the case of MP3 files), the **track name** is displayed in the centre, with the **artist** above and the **album name** below it ⇒ page 31, fig. 25.

Press the (i) unit button ⇒ page 8, fig. 1 (7) to display further track information (storage location).

The elapsed playing time and the remaining playing time of the track are displayed in minutes and seconds on the left and right. The remaining playing time cannot be displayed for files with variable bit rate (**VBR**). ■

Inserting and ejecting a CD

Fig. 26 MEDIA main menu: CD media source.

The internal CD player can play audio CDs and audio data CDs.

An audio CD or MP3 CD is indicated by **CD** or ⊘ on the screen.

Insert CD

- Hold the CD with the printed side facing up.
- Push the CD into the CD slot ⇒ page 8, fig. 1 (4) only to the point where it is drawn in automatically.
- When the CD is inserted, the play function will start automatically.

Ejecting CDs

- Press the ⏏ unit button.
- The CD in the drive will be ejected and must be removed within 10 seconds.

If the CD is not removed within 10 seconds, it is retracted again for safety reasons.

CD cannot be read

If the unit cannot read the CD, you are informed by a pop-up window.

Depending on the unit, the unit will try to read the illegible CD three times before the pop-up window is opened, automatically ejecting and retracting the CD briefly each time.

- Press the function button OK to confirm the display and remove the CD.

If the CD is not removed within 10 seconds, it is retracted again without changing to CD mode. The function button ▣ of the *Media selection menu* remains inactive ⇒ page 37. The CD must be removed manually.

Note

Uneven road surfaces and strong vibrations may cause the CD to jump.

Note

If the interior temperature of the unit is too high, it will not accept or play more CDs. ▶

Note

If you insert a number of different CDs and receive the message **CD drive error** every time, contact a qualified workshop. ■

Inserting and removing memory cards

Only supported audio files are displayed and played in the *MEDIA* main menu. Other file types will be ignored.

A compatible memory card is indicated by **SD card** or on the screen.

Inserting the memory card

If a memory card cannot be inserted, make sure it is positioned correctly and is compatible with the unit.

- Insert a compatible memory card into the memory card slot ⇒ page 8, fig. 1 (12) with the cut-off corner first and facing upwards until the card clicks into place.
- Playback starts automatically if supported audio files are stored on the memory card.

Manually removing the memory card

- Press the inserted memory card. The memory card “jumps” to the eject position.
- Remove the memory card.

Memory card cannot be read

If legible audio files have not been stored on a memory card, the unit will **not** change to memory card mode after it is loaded.

If the unit cannot read from the memory card at all, you will also be informed by a pop-up window.

- Press the OK function button.

If an illegible memory card or an card which does not contain audio files is inserted, the function button for the *Media selection menu* remains inactive ⇒ page 37.

The memory card must be removed manually. ■

External audio source connected to the AUX-IN multimedia socket

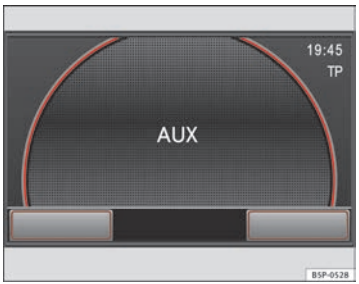

Fig. 27 External audio source connected to AUX IN multimedia socket.

The AUX-IN multimedia socket ⇒ page 8, fig. 1 (9) can only be used with a 3.5 mm jack plug.

The external audio source connected to it is played over the vehicle speakers and **cannot** be controlled via the radio-navigation system.

An external audio source connected to the socket is indicated by **AUX** on the screen.

Connecting an external audio source to the AUX IN multimedia socket

- Lower the base volume on the radio-navigation system ⇒ page 10.
- Connect the audio source to the AUX IN multimedia socket.
- Start playback on the external audio source.
- In the *MEDIA* main menu, press the MEDIA unit button to open the *media selection menu* ⇒ page 37, fig. 33.
- Press the AUX function button to start playback of the external audio source over the vehicle speakers ⇒ page 37.

The **output volume** of the connected external audio source should be adjusted to the volume of the other audio sources ⇒ page 41.

Information on operating an external audio source connected to the AUX-IN multimedia socket

Action	Result
Selection of another audio source on the radio-navigation system.	The external audio source continues to run in the background.
Stopping playback on the external audio source.	The radio-navigation system remains in the **AUX** menu.
Disconnecting the plug from the AUX-IN multimedia socket.	The radio-navigation system switches to playback of the previous media source.

Note

Interference may be heard if the external audio source is powered from the vehicle's 12-volt socket.

Note

Please read and observe the external audio source manufacturer operating manual. ■

Additional AUX2 external audio source

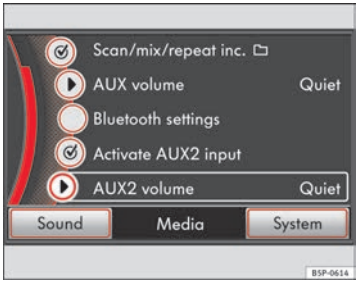

Fig. 28 Media setup menu

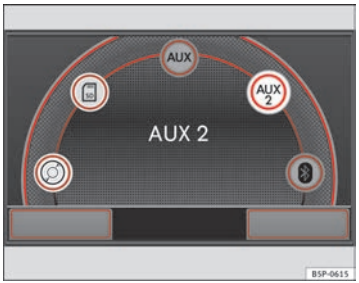

Fig. 29 When the AUX2 input is activated, the AUX2 audio source is displayed on the media selector and is always shown as active.

If the vehicle does not have a MEDIA-IN or MDI multimedia interface, an additional audio source called **AUX2** is made available to the user. This source can ▶

be used to play audio from an external player connected to a *Rear Seat Entertainment* (*RSE*) device through the vehicle sound system[2].

The audio from the external player connected to the RSE is played through the vehicle loudspeakers but cannot be controlled with the radio and navigation system controls.

An external audio source connected to the socket is indicated by **AUX2** on the screen.

Playing audio from an RSE system using an additional external audio source

- Lower the base volume on the radio-navigation system ⇒ page 10.
- Connect the external player to the AUX-RSE connector in the vehicle and start playback on the external player in accordance with the instructions given in the RSE handbook.
- In Media mode, press the SETUP unit button to open the *Media* **setup menu**. Tick the checkbox **Activate AUX2 input** so that the **AUX2** source is shown in the Media selection menu[3] ⇒ page 34, fig. 28.
- In the *MEDIA* main menu, press the MEDIA unit button to open the *Media selection menu*.
- Press the **AUX2** ⇒ page 34, fig. 29 function button to start playback of the external audio source connected to the RSE over the vehicle speakers.

The **output volume** of the connected external audio source should be adjusted to the volume of the other audio sources ⇒ page 41 (**AUX2 volume** in the Media settings menu ⇒ page 34, fig. 28).

Things to note about the AUX2 additional external audio source

- If another audio source (CD, SD, etc.) is selected during playback, the external player connected to the RSE continues playing.
- When playback on the external audio source has finished or if the external player is disconnected from the AUX-RSE connector, the radio and navigation system remains in the **AUX2** menu.
- The **AUX2** symbol remains visible and on (highlighted in red), and therefore accessible, as long as the **"Activate AUX2 input"** check box in the (*Media setup menu*) is ticked. The option should be deactivated when playback has finished.

Recommendations for use

- If your vehicle is not fitted with an RSE system or a MEDIA-IN or MDI multimedia interface, we recommend that the **Activate AUX2 input** is always left **unticked**. Otherwise, the **AUX2** source (if your vehicle does not have MDI) or the "MDI" source may be shown in the *Media selection menu* as "active" (accessible), even if there is no audio source connected to them.
- If your vehicle is fitted with a **MEDIA-IN or MDI multimedia interface**, the **AUX2** additional external source is not available. Use the check box **Activate AUX2 input** as described in the section **MEDIA-IN or MDI multimedia interface**. ■

---

2) If the vehicle is supplied from the factory with an RSE system connected to the radio and navigation system.

3) This option can also be activated using the function button in the pop-up window which appears when you try to go to the MEDIA main menu when there is no media source connected or activated.

External audio source connected via Bluetooth®

Fig. 30 Bluetooth audio mode.

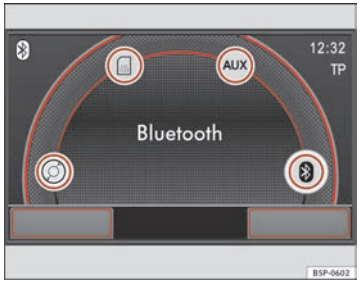

Fig. 31 Media selection menu with BT audio selected.

In Bluetooth audio mode, audio files from an external audio source connected by Bluetooth® can be played over the vehicle speakers. The external audio source must be compatible with the Bluetooth A2DP profile.

The external audio source connected via Bluetooth® **cannot** be controlled via the radio-navigation system.

Starting Bluetooth audio transfer

- Pair and connect the external audio source with the Bluetooth interface of the mobile telephone provision as described in the owner's manual.
- Lower the base volume on the radio-navigation system ⇒ page 10.
- Start playback on the Bluetooth external audio source.

Depending on the unit, you can start playback of the Bluetooth audio source via the *Media selection menu* ⇒ page 36.

Starting Bluetooth audio playback

- In the *MEDIA* main menu, press the MEDIA unit button to open the *Media selection menu*.
- Select the **Bluetooth** function button for the mode described ⇒ page 37.

Bluetooth Audio mode is indicated by **BT audio** or on the screen.

When playback on the external audio source is stopped, the radio-navigation system remains in the **Bluetooth audio** menu ⇒ fig. 30. To switch to another audio source, it must be selected manually ⇒ page 37.

Note

The **output volume** of the connected external audio source should be adjusted to the volume of the other audio sources ⇒ page 41.

Note

Always switch off the warning and service tones on a connected Bluetooth audio source, e.g. key tones on a mobile telephone, to prevent interference noise and malfunctions. ■

Selecting a media source

Fig. 32 MEDIA main menu.

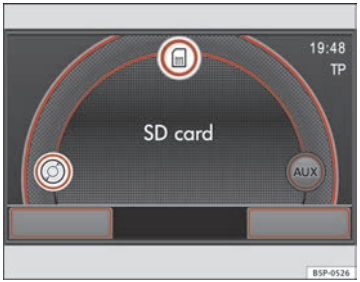

Fig. 33 Media selection menu.

The media source currently being played is displayed in the centre of the bottom line of the screen in the *MEDIA* main menu ⇒ fig. 32. Other inserted or connected media sources must be selected from the *media selection menu*.

Opening the media selection menu and selecting a media source

- In the *MEDIA* main menu, press the MEDIA unit button. The *media selection menu* opens ⇒ fig. 33.
- Select the desired media source by pressing its symbol.
- **Alternatively:** Turn the setting knob ⇒ page 8, fig. 1 (10) to select an available media source and press to switch it on.
- **Alternatively:** Press the MEDIA unit button as often as required to scroll between the available media sources.
- Press the unit button ⮌ to close the Media selection menu without changing it.

If a media source is currently not available, it is shown as disabled, e.g. the AUX function button ⇒ fig. 33.

If a media source that has already been played is selected again, playback is resumed from the point that was last played. *Exception:* audio source connected to AUX IN multimedia socket ⇒ page 33 or unit in Bluetooth Audio mode ⇒ page 36 or the AUX2 auxiliary source ⇒ page 34.

Available media sources in the media selection menu

Function button: Media source
CD: Internal CD player ⇒ page 32.
SD card: Inserted memory card ⇒ page 33.
AUX: 3.5 mm jack connected to AUX-IN multimedia socket ⇒ page 8, fig. 1 (9) ⇒ page 33.
MDI: Data medium in MEDIA-IN multimedia interface ⇒ page 42.
BT-Audio: Bluetooth external audio source connected ⇒ page 36.
AUX2: Additional external audio source ⇒ page 34.

Changing track manually

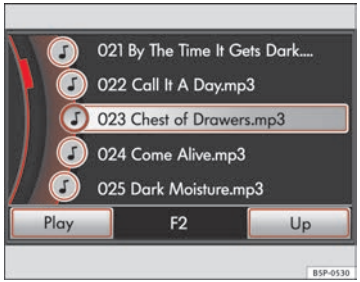

Fig. 34 Track list of a currently playing audio MP3 CD.

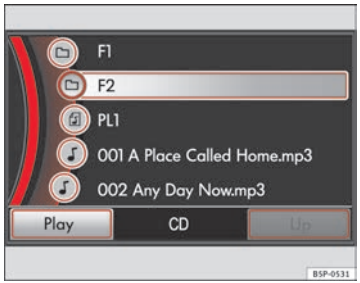

Fig. 35 Highest level of a currently playing audio MP3 CD.

Start playback of a media source that can be controlled via the radio-navigation system (CD, memory card, MDI).

You can browse through the tracks of the current media source or select a specific track from the track list.

Browsing tracks with the arrow buttons

Action	Result
Briefly press the arrow once ◁.	Goes to start of track.
Briefly press the arrow twice ◁.	Goes to start of previous track.
Briefly press the arrow once ▷.	Goes to the next track.
Press and hold the arrow button ◁.	Rewind.
Press and hold the arrow button ▷.	Fast forward.
Provided the currently playing audio source can be controlled from the unit, it can be operated from **any** menu via the arrow buttons on the unit.	

Opening and scrolling through the track list

- Open the *MEDIA* main menu.
- Press the Select function button or turn the setting knob ⇒ page 8, fig. 1 (10) to open the track list. The track that is currently playing is highlighted ⇒ fig. 34.
- Mark a track by turning the setting knob and press the setting knob to select the marked track.
- **Alternatively:** Drag the scroll marker to browse the list quickly and select the desired track by pressing it on the screen ⇒ page 10.

Searching the folder structure in MP3 mode

When the track list is opened, subfolders 🗀 and playlists 🎵 may appear in the list alongside the tracks ♪ ⇒ fig. 35. The name of the folder containing the track that is currently playing is displayed in the bottom line of the screen (in fig. 34: **F2**).

- Press the Up function button to open the current folder's parent folder ⇒ page 38, fig. 35.
- Press a folder on the screen (e.g. F1) to select another track from that folder or to open another subfolder.
- **ALTERNATIVELY:** Turn the setting knob, select the folder and turn and press the knob again to select the track or open the subfolder.
- Repeatedly pressing the Up function button moves up through the folder structure until you reach the root directory of the media source that is currently playing. In the root directory, the Up function button is disabled. The media source currently playing is displayed in the bottom line of the screen ⇒ page 38, fig. 35.

If a MEDIA-IN multimedia interface is installed and an iPod®[4] or iPhone[4] is connected, a special iPod selection menu is displayed at the top selection level (root directory) ⇒ page 43, fig. 41. ■

Changing playback mode (Extras function button)

Fig. 36 MEDIA main menu: Extras function button in MP3 mode

Fig. 37 MEDIA main menu with selected playback mode

Depending on the setting, **subfolders** may be included in the selected playback mode ⇒ page 40. This setting must be defined **before** the playback mode is selected.

[4] iPod® and iPhone® are protected registered trademarks of Apple Inc.

Starting and stopping a playback mode

The range of playback modes available depends on the selected media source and the type of audio files played.

- During playback, press the Extras function button in the *MEDIA* main menu.
- In the pop-up window, press one of the playback modes listed by turning and pressing the setting knob ⇒ page 8, fig. 1 (10).
- The pop-up window will close. The selected playback mode is indicated in the function button (page 39, fig. 37 Mix all).
- Briefly pressing this function button ends the playback mode and resumes normal playback at the current track.

Refer to the information on the playing order of files and folders ⇒ page 30.

The scan function can also be started or stopped by briefly pressing the setting knob ⇒ page 8, fig. 1 (10).

Available playback modes

Function button: Result
Scan: Each track of the current folder or current media source will be played for 10 seconds. The scan function starts at the next track.
Mix: The tracks of the current audio CD will be played in random order.
Mix folder: The tracks of the current folder will be played in random order.
Mix all: The tracks of the current data medium will be played in random order.
Repeat track: Repeats the currently playing title.
Repeat CD: At the end of the current audio CD, its tracks will be played again.
Repeat folder: At the end of the current folder, its tracks will be played again.

The random play and repeat functions remain active for the corresponding media source until they are closed for that source.

Setup Menu Media (SETUP)

In Media mode, press the SETUP unit button to open the **Media** *setup menu*. The selection options depend on the type of unit and equipment.

Function button: Result
Scan/Mix/Repeat incl. 🗀: Subfolders are included in the selected playback mode ⇒ page 39. This setting must be defined before the playback mode is activated.
▶AUX volume: Adjust the **input volume** for an external audio source in the AUX-IN multimedia socket ⇒ page 8, fig. 1 (9) to the **output volume** of the other audio sources ⇒ page 33.
▶ MDI volume: Adjust the **input volume** for an iPod® or iPhone® connected to the MEDIA-IN multimedia interface to the **playback volume** of the other audio sources ⇒ page 42.
BT-Audio volume[a]: Adjust the **input volume** for a Bluetooth audio source to the **playback volume** of the other audio sources.
▶ AUX2 volume: Adjust the **input volume** for an AUX2 external audio source to the ⇒ table on page 40 **playback volume** of the other audio sources ⇒ page 33.

a) These functions can only be selected if the unit has the function.

In units with RDS, the TP function can be switched on by ticking the check box on the Traffic News (TP) function button ⇒ page 21.

Adjusting playback volume

If you need to increase the output volume of an external audio source, first lower the base volume on the radio-navigation system ⇒ page 11.

If the sound from the external audio source is **too low**, if possible, increase the **output volume** on the external audio source. If it is too low, increase the **input volume**.

If the sound from the connected external audio source is **too loud or distorted**, if possible, lower the **output volume** on the external audio source. If it is still too loud, lower the **input volume**.

WARNING

If the volume is too high, you could damage your hearing. Even if the volume is too loud for a short period only.

Caution

If the volume is too high or the sound is distorted, the vehicle speakers may be damaged. ■

MEDIA-IN multimedia interface

Introduction

For the ALHAMBRA model, depending on the version, the MEDIA-IN multimedia interface is in the passenger storage compartment or the centre armrest between the two front seats.

For the ALTEA, ALTEA XL, ALTEA Freetrack and LEON models, the MEDIA-IN multimedia interface offers users a USB connector and an AUX connector, located on the centre console in the Leon and under the front armrest in the Alteas.

The supported file formats listed below are collectively referred to in this manual as “audio files”.

Audio files on an external data medium connected to the MEDIA-IN multimedia interface can be played and controlled via the radio and navigation system.

Where this manual refers to external data media, this means USB mass storage devices containing supported audio files, such as MP3 players, iPods® and USB sticks. External data media are displayed as **MDI** (Media Device Interface).

The MEDIA-IN multimedia interface supplies the usual USB voltage of 5 volts.

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Media mode ⇒ page 29

Note

The rubber mat in the storage compartment of the MEDIA-IN multimedia interface can be removed. ■

Information on connecting a data medium

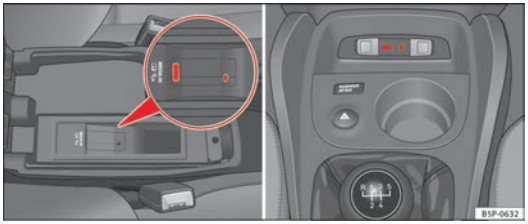

Fig. 38 MEDIA-IN socket for Altea and Leon

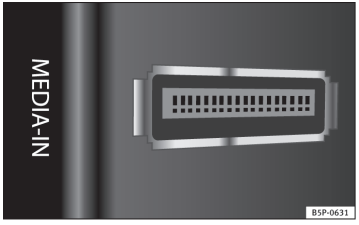

Fig. 39 MEDIA-IN multimedia interface

Data medium connection adapter

An adapter is required to connect the external data medium to the MEDIA-IN multimedia interface ⇒ fig. 39.

Do not use memory card adapters, USB extension cords or USB hubs! ▶

Notes and requirements

Compatible data media	Legible files and formats
Data media compliant with the USB 2.0 specification. Data media with the FAT file system FAT16 (‹ 2 GB) or FAT32 (› 2 GB). iPods® and iPhones® of various generations [a]. MTP players with the “PlaysForSure” or “ReadyForVista” logo.	- Audio files in MP3, WMA, OGG-Vorbis and AAC format. Playlists in PLS, B4S, ASX and WPL format.
Please read and observe the external data medium operating instructions.	

[a] iPod® and iPhone® are protected registered trademarks of Apple Inc.

Notes and restrictions

Only audio files that can be read via the MEDIA-IN multimedia interface can be displayed, played and controlled on the radio and navigation system.

In the case of MTP players and depending on the battery charge and the quantity of data, it may take a few minutes for them to be ready for use.

If an external data medium is divided into several partitions, only the **first** partition with compatible audio files will be played.

Please observe the additional instructions and restrictions regarding the requirements for multimedia sources ⇒ page 29. ■

Connecting and operating

Fig. 40 MEDIA main menu: MDI multimedia source (MEDIA-IN multimedia interface).

Fig. 41 Selection menu for a connected iPod.

Before connecting or playing an external data medium, turn down the volume on the radio-navigation system ⇒ page 11. ▶

Connecting and disconnecting an external data medium (MDI)

- Connect the appropriate adapter to the MEDIA-IN multimedia interface ⇒ page 42.
- Connect the external data medium to the MEDIA-IN multimedia interface via the adapter.
- If necessary, switch on the external data medium or select the appropriate data mode.

Even though the display may indicate otherwise, the external data medium may be disconnected from the MEDIA-IN multimedia interface at any time without data loss.

Connecting or disconnecting an external data medium (MDI) - Altea, Altea XL, Altea Freetrack, Leon

– **Connecting a mass storage device or player with a USB connection**

  Connect the device to the USB connector of the MEDIA-IN interface.

  If necessary, start playback in the external device.

– **Connecting an iPod or iPhone in order to control it from the radio and navigation system**

  Connect the iPod or iPhone to the MEDIA-IN interface using the cable or special iPod adapter provided by SEAT.

– **Connecting an external device to the AUX input of the MEDIA-IN interface**

  Connect the device to the AUX input of the MEDIA-IN interface with the right cable.

Even though the display may indicate otherwise, the external data medium may be disconnected from the MEDIA-IN multimedia interface at any time without data loss.

Control through the radio and navigation system

An external data medium correctly connected to the MEDIA-IN multimedia interface can be controlled through the radio and navigation system.

Depending on the unit, when an external data medium is connected and switched on, it is necessary to change to the radio and navigation system manually for playback.

- Open the *MEDIA* main menu.
- Press the MEDIA unit button to open the *Media selection menu*.
- Press the MDI function button to start or resume playback from the external data medium.

Further operation of the external data medium (changing track, selecting tracks and playback modes) is described in the appropriate chapters of this manual ⇒ page 29.

If the selected media source is disconnected from the MEDIA-IN multimedia interface while being played, the radio and navigation system will remain in MDI mode. Another audio source must be selected manually.

Special features. ALTEA and LEON models

Depending on the vehicle equipment, from the radio and navigation unit and via the MEDIA-IN interface, the user can:

- play and control audio files from a mass storage device or MP3 player with USB, iPod or iPhone connection.
- play audio from an external player connected to the AUX input of the Media-In Interface
- play audio from an external player connected to the AUX input of the Rear Seat Entertainment system (if fitted in the vehicle)

Sometimes the additional auxiliary input of the Media-In interface must be activated in order to use the MDI media source in the media selector.

Activation:

- ticking the **Activate AUX2 input** check box in the Media Setup Menu or,
- this option can also be activated using the function button in the pop-up window which appears when you try to go to the **MEDIA** main menu when there is no media source connected or activated.

When should it be activated?

- LEON: to play audio from an iPod (via the SEAT adapter cable) or from an external device connected to the AUX input of the MEDIA-IN interface.
- ALTEA, ALTEA XL, Freetrack: to play audio from an external player connected to the AUX input of the Rear Seat Entertainment system (if fitted in the vehicle)

iPod® and iPhone®

When an iPod® or iPhone® is connected, a special iPod selection menu is displayed at the top selection level of the track view ⇒ page 43, fig. 41. This iPod selection menu always has the same structure and is operated in the familiar way.

The music controls on the connected iPod® or iPhone® are disabled.

The **output volume** of a connected iPod® or iPhone® should be adjusted to the volume of the other audio sources ⇒ page 41.

Possible error messages after connecting an external data medium

Error message	Cause	Procedure
Device not supported	Playback from the external data medium or communication via the adapter cable used is not possible.	Check adapter cable. Update the software of the MEDIA-IN multi-media interface at your Authorised Service. If possible, update the software of the external data medium.
Unit not ready for operation	Communication interrupted.	Check the connection and make sure the external data medium is working correctly.

Due to the large number of different data media and various iPod® and iPhone® generations available, it is not possible to guarantee fault-free operation of all functions described here.

Note

External audio sources connected to the AUX socket of the MEDIA-IN interface can be played through the radio and navigation system, but cannot be controlled from there. To control the external audio source, please see the manufacturer's instructions. As long as the external audio source is not switched off, it will continue operating even if another source starts to play in the radio and navigation system.

Note

The MDI symbol remains visible and on (highlighted in red), and therefore accessible, as long as the “Activate AUX2 input” check box (Media setup menu) is ticked. The option should be deactivated when playback has finished.

Note

The USB connection takes precedence over the MEDIA-IN interface AUX input. Both of these, or an iPod adapter where applicable, take precedence over the additional input. Therefore, to play audio from a device connected to the AUX RSE input, first make sure that there are no devices or cables connected to the MEDIA-IN interface.

Note

For further information, please see the Rear Seat Entertainment system handbook.

Note

If another audio source (CD, SD, etc.) is selected during playback, the external player connected to the RSE continues playing. ■

Navigation

Introduction to navigation

Introduction

General information

The current vehicle position is determined by means of the GPS system (Global Positioning System). Sensors in the vehicle measure distances driven. The measurements are adapted using the detailed information given in the navigation data medium maps and according to the programmed traffic management. Where applicable, TMC traffic reports are included in the calculation of routes ⇒ page 70. The navigation system uses these data to determine an optimal route to the destination.

The destination is defined by entering an address or a point of interest, e.g. a petrol station or hotel.

Navigation announcements and visual guidance on the navigation unit and the instrument panel direct you to your destination ⇒ page 63.

Depending on the country, some radio-navigation system functions can no longer be selected when the vehicle is travelling above a certain speed. This is not a malfunction, but simply a legal requirement.

Navigation data

In normal circumstances, all the necessary navigation data is already stored in the navigator. A memory card containing the navigation data can be obtained from an Authorised Service to update this information ⇒ page 48.

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Entering a destination ⇒ page 52
- Destination memory ⇒ page 58
- Route guidance ⇒ page 63

Note

Dirty or damaged navigation data media may lead to problems when copying navigation information or even in the navigation itself. Store unused data media in a suitable container or in the original box to protect them from mechanical damage, heat, humidity or direct sunlight. ■

Limitations of the navigation function

Possible errors in navigation

If the navigation system is not able to receive data from the GPS satellites (dense vegetation, underground garage), it is still possible to navigate using the vehicle sensory analysis.

In areas that are not or only partially digitised on the data medium (e.g. insufficient definition of one-way streets and road categories), the navigation system will still attempt to provide route guidance.

If navigation data are unavailable or incomplete, the navigation system may be unable to determine the exact vehicle position. As a result, the navigation may not be as exact as usual.

Navigation area and age of navigation data

The accuracy of the data (small villages, streets and house numbers) depends on the respective version for the country.

Roads and streets are subject to constant change (e.g. new roads, changes to street names and house numbers). After some time, navigation data will no ▶

longer be up-to-date. This may lead to inaccurate or incorrect route guidance. ■

Updating the internal navigation data memory

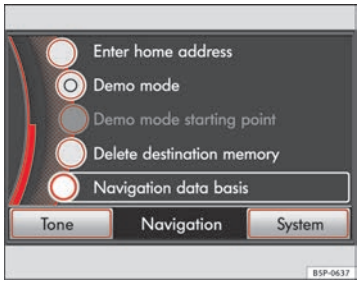

Fig. 42 Navigation setup menu.

The navigation data is already in the navigation data memory and can be used directly ⇒ page 48.

If the navigation database is updated, or if data from another country is overwritten, **the former data will be erased** and cannot be recovered.

Updating navigation data

A memory card containing updated navigation data can be obtained from an Authorised Service.

- Cancel the mechanical protection against overwriting in the memory card.
- Inserting the memory card ⇒ page 29.

If the inserted memory card contains valid navigation data, a window opens asking whether you wish to permanently allocate the memory card to the radio navigation system.

Due to licensing legislation, when the copy has been completed, the memory card will be allocated to this radio and navigation system and can **not** be used for other radio and navigation units.

- Press the Assign function button to continue.

Information about the navigation data installed and available on the memory card is displayed.

- Press the Update function button to start copying the information.

No navigation functions are available during the copying process. The copying process lasts approximately 2 hours.

Do **not** remove the memory card while the navigation data is being copied. This could damage the memory card!

If the unit is switched off during the copying process, the process stops and will start automatically when the unit is switched back on.

Starting the copying process manually

If the copying process does **not** start automatically after the memory card containing valid navigation data has been inserted, the updating process can be started manually.

- Press the NAV unit button.
- Press the SETUP unit button.
- Activate Navigation data base by turning and pressing the setting knob ⇒ page 8, fig. 1 (10) ⇒ fig. 42.
- Press the Display navigation database info function button to view the area of navigation and the version of the navigation data stored.
- Press the Install Nav data from SD function button to start copying the information.

Caution

Do **not** remove the memory card while the navigation data is being copied. This could damage the memory card! ■

Navigation main menu

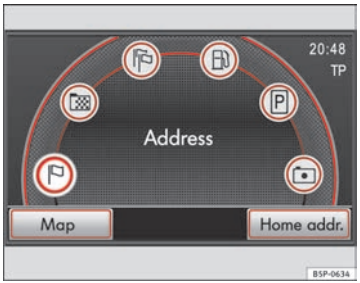

Fig. 43 Navigation main menu with destination entry options.

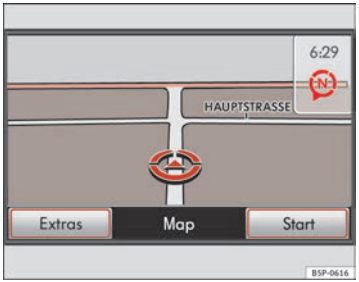

Fig. 44 Vehicle position in the map view.

The navigation functions are only enabled when navigation data for the current area are available in the radio and navigation system.

The *Navigation* main menu allows you to select a new destination, call up a previously used or stored destination and search for points of interest.

Opening the Navigation main menu

- Press the NAV unit button to open the last menu opened in the navigation function.
- If the *Navigation* main menu is **not** displayed, press the NAV unit button again. This will open the main menu from any navigation submenu.
- Press the ⮌ unit button to switch back through the sequence of menus to the *Navigation* main menu and cancel entry of destination data step by step ⇒ page 52.

Switching between the map view and the Navigation main menu

- In the *Navigation* main menu, press the NAV unit button to switch to the map view ⇒ fig. 44.
- Press the NAV unit button again to switch back to the *Navigation* main menu ⇒ fig. 43.

Selecting destination entry in the Navigation main menu

- Open the *Navigation* main menu ⇒ page 49, fig. 43.
- Turn the setting knob ⇒ page 8, fig. 1 (10) to select a symbol for destination entry. The type of destination entry currently marked is displayed in the centre of the screen (in page 49, fig. 43: **Address**).
- Press the setting knob to select the displayed destination entry method.
- **Alternatively:** Press a destination entry symbol on the screen.

When a function button has been pressed, the corresponding window will open to allow you to enter the destination ⇒ page 52.

Destination entry methods

Function button: Result
Address: Open input windows for selection of a destination address.
Destination memory: Open a list of manually stored destinations.
Last destinations: Open a list of automatically stored last destinations.
Petrol station: Open a list of the nearest petrol stations.
Car park: Open a list of the nearest car parks.
Point of interest: First select the search area and then enter the search term.
Home address: Enter the home address, or go to one of the saved addresses.

Input windows with on-screen keyboard

Fig. 45 Keyboard for free text input.

Fig. 46 Input window for selecting a destination town.

Input windows with an on-screen keyboard are used to select a destination address or, for example, to enter an entry name.

The position of the on-screen keyboard can be defined in the system settings ⇒ page 87.

Input windows for “free text input”

An input window for free text input allows any letters, digits and special characters to be entered in any combination ⇒ page 50, fig. 45.

Pressing the OK function button applies the sequence of characters currently displayed in the window.

Input windows for selecting a destination address

It is only possible to enter a sequence of letters, numbers and special characters that matches a destination found in the available navigation data ⇒ page 50, fig. 46. That means you cannot freely enter any destination, but must “choose” from the available destinations ⇒ page 52.

Operating instructions

- Available characters on the keyboard block are entered in the input window when pressed.
- **ALTERNATIVELY:** You can select characters by turning and pressing the setting knob ⇒ page 8, fig. 1 (10).

Other control elements

Function button	Action and meaning
↑	Press to switch between upper and lower case.
0-9	Press to open the input window for numbers and special characters.
Or: A-Z	Press to go back to the input window for letters.
◀ and ▶	Press to move the cursor to the left or right on the input line.
○	Press to enter a space.
Characters with ▼	Hold down to display a pop-up window with special characters based on this letter. Press the desired character to enter it.
AAÆ	Press to briefly highlight **all** function buttons on which special characters are available. Press a function button to open a pop-up window for selection of a special character.
Delete	Press to delete characters in the input line from right to left.

Enter destination

Introduction

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Introduction to navigation ⇒ page 47 ■

Selecting a destination address (address entry)

Fig. 47 Input window for selecting a destination town.

Fig. 48 Selecting a street from a list.

When selecting an address, you first select the country, then the town or post-code. The destination address is then narrowed down further by selecting the street and house number or a junction. The address selections are made in a series of input windows.

- In the *Navigation* main menu, press the function button **Address** to enter a destination.
- By using successive input windows, it is possible to define the destination address ⇒ page 47.

Once the number of destinations matching the character sequence in the display has been narrowed down to less than 99, the number of matching destinations available will be displayed to the right of the input line (in fig. 47: **15**).

- Press the List/OK function button to open the list of remaining possible destinations ⇒ fig. 48. When fewer than six destinations are available, the list opens automatically.
- Selecting a destination from the list ⇒ page 10.

Depending upon the unit (RNS 315), press the unit button [i] ⇒ page 8, fig. 1 to open a window with additional information about the selected entry in the list.

In names made up of more than one word, you must include the blank space, e.g. “High Wycombe”.

A “town” refers to a locality or a postcode district and can also be selected by entering its postcode.

When narrowing down the destination address, **please note** that every entry restricts the available range of subsequent selections. For instance, if the street you are looking for is **not** in the postcode area you have selected in a previous window, you will not be able to find the street at the street selection stage.

- Press the [⮌] unit button to close the current menu and cancel the destination data entered so far step by step.

Ending destination entry

Once the destination data entered are sufficient for route guidance, it is possible to end destination entry.

- After selecting a city, press the [City centre] function button to end the destination entry and start route guidance to the city centre.
- The [Finish] function button appears in the list view for selection of a destination if the destination data entered so far are sufficient to carry out route guidance ⇒ page 52, fig. 48. Press the [Finish] function button to apply the destination marked in the list (**PORTSMOUTH AVENUE**) and end destination entry.

When you have finished entering the destination, the address is displayed in the “*destination window*” ⇒ page 53. ■

Destination window

Fig. 49 Destination address displayed in the destination window.

The *destination window* provides an overview of all destination data entered ⇒ fig. 49.

- Pressing an item in the destination window opens an input window in which you can alter the item or narrow down the destination further (e.g. [Street] function button).
- Press the [Store] function button to open an input window in which you can assign an entry name ⇒ page 50, fig. 45.
- **ALTERNATIVELY:** Press the [Start] function button to start route guidance ⇒ page 63. ■

Selecting stored destinations

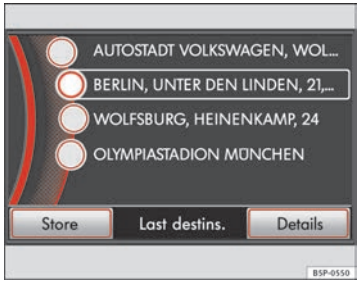

Fig. 50 List of the automatically stored last destinations.

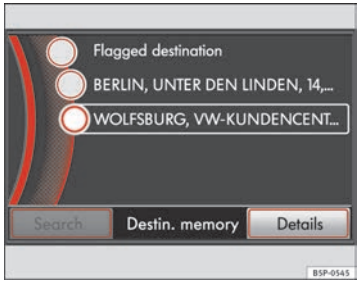

Fig. 51 List of destinations stored manually in the destination memory.

You can start route guidance to the stored Home address or to an automatically or manually stored destination.

Starting route guidance to the stored home address

- Press the Home addr. function button to start route guidance to a previously stored home address.

Save and edit home address ⇒ page 58.

Start route guidance to stored destination

Destinations for which route guidance has been started are **automatically** stored in the **Last destinations** list ⇒ fig. 50.

Manually stored destinations are stored in the **Destination memory** ⇒ page 58.

- Open the *Navigation* main menu.
- Press the function button **Last destins.** or **Destin. memory**.
- Select a destination in the list by turning the setting knob ⇒ page 8, fig. 1 10 and press to start route guidance ⇒ page 13.
- **Alternatively:** Browse the list by dragging the scroll marker on the screen and start route guidance by pressing on the destination ⇒ page 10.

To display a destination in the destination window, mark the destination in the list view and press the Details function button.

The destination displayed in the *destination window* can still be altered before route guidance is started ⇒ page 53, “Destination window”.

Depending on the unit (RNS 310), pressing the Search function button opens an input window to allow you to search for a stored destination, provided that there are more than six destinations available in the **destination memory**. ■

Selecting a petrol station or car park

Fig. 52 List of the nearest car parks.

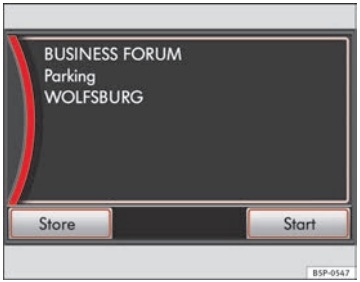

Fig. 53 Detailed view of car park.

- Open the *Navigation* main menu.
- Press the function button **Petrol station** or **Car park** to display a list of petrol stations or car parks near to your current location ⇒ fig. 52.
- Select a destination in the list by turning the setting knob ⇒ page 8, fig. 1 (10) and press to start route guidance ⇒ page 13.
- **Alternatively:** Browse the list by dragging the scroll marker on the screen and select a destination to start route guidance ⇒ page 10.
- Press the Details function button ⇒ fig. 53. Press the Start function button in the detailed view to start route guidance.
- In the list view or detailed view, press the Store function button to store the marked or displayed address in the **Destination memory** ⇒ page 59.

Note

The distances and directions for points of interest refer to the route as the crow flies. ■

Selecting a point of interest as a destination

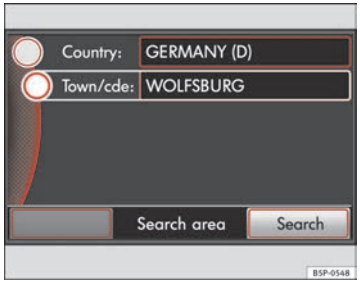

Fig. 54 Setting a location as the search area centre.

Fig. 55 List of points of interest found (keyword: SEE).

Defining the search area

The search area covers a radius of roughly 75 km from the chosen “search area centre”.

- Open the *Navigation* main menu.
- Select the **Point of interest** function button.
- Press the Town function button in the pop-up window, select a town as the search area centre ⇒ page 52 and press the Find function button ⇒ fig. 54
- **ALTERNATIVELY:** Press the Here function button in the pop-up window to set the current vehicle position as the search area centre.

The **POI search** input window opens.

POI search: Entering a keyword

A keyword is a word or a combination of digits and letters that occurs in the name or the detailed information of the desired point of interest.

A keyword may be the known part of a name, e.g. “Lakeside”.

Starting from the search area centre, the unit searches for points of interest which contain the keyword in their name or address. Possible results for the keyword “Lakeside” would be, for example, “Lakeside *Hotel*” or points of interest on “*Lakeside*” Avenue.

The **POI search** input window allows free text input ⇒ page 51. Correct spelling is therefore important!

Starting the search

- When you have entered the keyword, press the Find function button.
- The search radius is displayed and gradually enlarged. When several matching points of interest are found, the display switches straight to the list view.

The search ends automatically when it has covered a radius of roughly 100 kilometres from the defined search area centre.

A message appears to inform the user if no matching point of interest was found.

Depending on the unit (RNS 310), you can stop the search for a point of interest by pressing the Stop function button.

Selecting a point of interest from the list

- Select a destination in the list by turning the setting knob ⇒ page 8, fig. 1 (10) and press to start route guidance ⇒ page 13.
- **Alternatively:** Browse the list by dragging the scroll marker on the screen and select a destination to start route guidance ⇒ page 10.
- Press the Details function button. Press the Start function button in the detailed view to start route guidance.
- In the list view or detailed view, press the Store function button to store the marked or displayed address in the **Destination memory** ⇒ page 59.

Note

The distances and directions for points of interest refer to the route as the crow flies.

Destination memory

Introduction

The destination memory is used to store navigation destinations **manually**.

The function buttons for storing a destination are only enabled when the destination has been sufficiently defined.

Destinations saved in the memory can be edited or used to navigate to the destination.

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Introduction to navigation ⇒ page 47
- Entering a destination ⇒ page 52 ■

Automatically stored last destinations

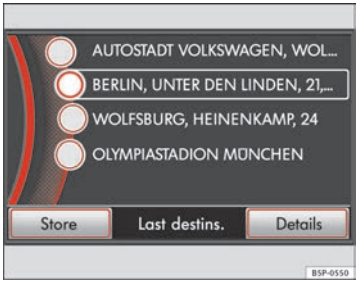

Fig. 56 List of recent destinations.

Up to 50 destinations for which route guidance has been started are **automatically** stored in the **Last destinations** list ⇒ fig. 56.

Old *last destinations* are automatically overwritten by new destinations when the list is full. To permanently retain one of the *last destinations*, it must be stored in the **Destination memory**.

- In the list of last destinations, mark the destination you wish to store ⇒ fig. 56.
- Press the Store function button and store the destination ⇒ page 59. ■

Storing destinations manually

Fig. 57 Input window for assigning your own entry name.

When the Store function button is displayed, the destination currently shown can be stored in the destination memory.

- Pressing the Store function button opens an input window where you can assign an entry name ⇒ fig. 57.
- If you wish to assign a name of your own, first press the Delete function button and then enter your own chosen name for the destination ⇒ page 50.
- Press OK to store the destination under the currently displayed name in the **Destination memory**. ■

Editing or deleting destinations in the destination memory

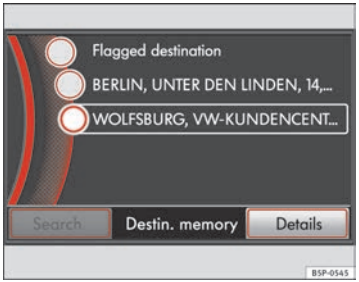

Fig. 58 Destination memory with manually stored destinations.

Fig. 59 Destination window showing a destination from the destination memory.

- Open the *Navigation* main menu.
- Press the **Destination memory** function button to open the list of manually stored destinations ⇒ fig. 58.

- Select a destination by turning the setting knob ⇒ page 8, fig. 1 (10).
- Press the Details function button.

The destination is opened in the *destination window* ⇒ page 59, fig. 59.

- Pressing the Start function button starts route guidance to the displayed destination.
- Pressing the Delete function button deletes the destination from the **Destination memory**.
- Destination items (**Street**, **Town/PC** etc.) can be opened and edited individually in the destination window ⇒ page 53.
- Press the Name function button to change the displayed entry name ⇒ page 50.

When destination data have been altered, the Delete function button changes to Store to allow you to store the changes.

If a **flagged destination** is displayed in the **destination window** ⇒ page 61.

Deleting the destination memory and last destinations

- Press the SETUP unit button from any navigation menu to open the *Navigation* **setup menu**.
- Press the Delete destination function button and select the destinations to be deleted in the next menu.
- Press All destinations to delete all destinations in the **destination memory** and **Last destinations**.
- **ALTERNATIVELY:** press Last destinations to delete all destinations in the list of **Last destinations**.
- **Alternatively:** press the unit button ⮌ to close the window without making any changes. ■

Displaying the information window and storing a flagged destination

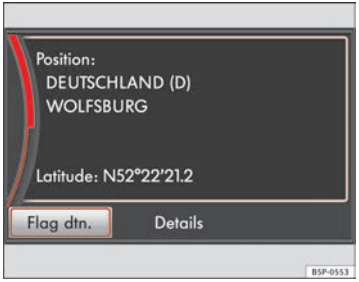

Fig. 60 Information window with detailed view of the current position.

Opening the information window for the current vehicle position

- From any navigation menu (except the **Navigation** *setup menu*), press the i unit button to open the **Details** *information window* ⇒ fig. 60.

If **no** route guidance is active, the current vehicle position is displayed in the *information window* ⇒ fig. 60.

During route guidance, the final destination is displayed in the *information window* ⇒ page 63.

- Turn the setting knob ⇒ page 8, fig. 1 (10) in the **Details** *information window* to display all available information on the current vehicle position: ▶

Display	Meaning
Position:	Vehicle position determined by means of GPS data and navigation data
Latitude:	Latitude
Longitude:	Longitude
Height:	Height above mean sea level.
GPS status:	Display of technical GPS information
Useable satellites:	The number determines the GPS status

Storing a flagged destination

- Pressing the Flagged dtn. function button stores the displayed position as a **Flagged destination** in the **Destination memory** ⇒ page 60, fig. 60.

To permanently retain the position stored as a **Flagged destination**, it must be renamed in the **Destination memory**. Otherwise the stored position will be overwritten the next time a flagged destination is stored.

- Select the **flagged destination** in the **Destination memory** ⇒ page 59, fig. 58.
- Press the Details function button.

The flagged destination can be renamed. ■

Storing or editing the home address

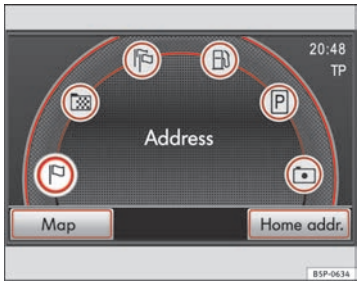

Fig. 61 Navigation main menu.

Fig. 62 Destination window with the home address.

Only one address or position can be stored as the home address at any one time. The stored home address can be edited or overwritten. ▶

To start route guidance to the stored home address, press the Home addr. function button in the *Navigation* main menu ⇒ page 61, fig. 61.

If no home address has been stored yet, a home address can be defined after confirmation of a prompt.

Enter home address

- Press the Position function button to store your current geographical position (longitude and latitude) as the home address.
- **ALTERNATIVELY:** press Address to open the *destination window* **Home address** ⇒ page 61, fig. 62.

The name **Home addr.** is already entered by default. You can then enter or change the address ⇒ page 53, “Destination window”.

Changing the stored home address

- Press the SETUP unit button from any navigation menu to open the *Navigation setup menu*.
- Select the Enter home address function button.
- Enter the home address. ■

Route guidance

Introduction

Once route guidance has started, the route is calculated according to the data selected in route options.

The unit switches to the map view. You are guided to your chosen destination by announcements and visual recommendations.

If dynamic route guidance is activated, TMC traffic reports will be taken into account in the route calculation ⇒ page 70.

The route options can be changed manually while route guidance is in progress.

All of the unit's audio sources are available during route guidance.

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- Introduction to navigation ⇒ page 47
- Entering a destination ⇒ page 52

WARNING

The recommendations and traffic signs shown by the navigation system may differ from the true traffic conditions.

- **Traffic signs and traffic regulations have priority over the recommendations and instructions given by the navigation system.**
- **Adapt your speed and driving style to suit visibility, road, traffic and weather conditions.** ■

Route options

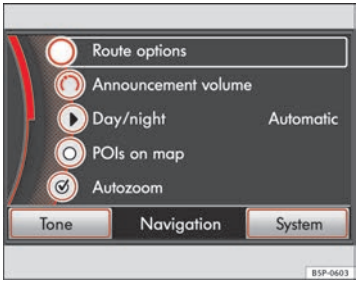

Fig. 63 Navigation setup menu.

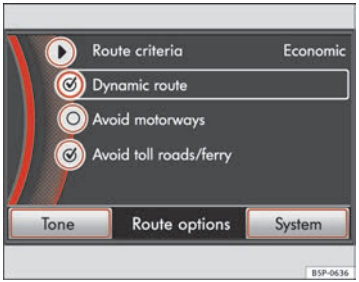

Fig. 64 Navigation setup menu: Route options.

It is possible to include TMC traffic reports, exclude certain types of route and define route criteria for the calculation of the route. The route options can be ▶

changed while route guidance is in progress. The route will then be recalculated.

- Press the SETUP unit button in one of the navigation menus.
- In the **Navigation** *setup menu*, press the Route options function button ⇒ page 63, fig. 63.
- Select or deselect an option by ticking or clearing the appropriate checkbox ⇒ page 63, fig. 64.

Defining route criteria

- In the **Route options** *setup menu*, press the Route criteria function button.
- Press the desired settings to select them in the pop-up window.

Route criteria	Meaning
Fast	Fastest route to the destination, even if it means driving further.
Economical	This function aims to find an equilibrium between the shortest time and the shortest route.
Short	Shortest route to the destination, even if it results in a longer travelling time. The navigation route may include unusual route sections, e.g. dirt roads.

Dynamic route

If dynamic route guidance is activated, TMC traffic reports will be taken into account in the route calculation ⇒ page 70.

Excluding types of route in the calculation

The function buttons ○ Avoid motorways, etc. define whether or not these types of road may be included in the route calculation.

Even when excluded, these types of route will still be included in the route calculation if no practical alternative route exists. For example, if it is impossible to reach an island without using the ferry. For the calculation of very long routes, it is **not** possible to avoid motorways. ■

Navigation announcements

When the route has been calculated, the first announcement is given. Up to three navigation announcements are given before a turn, e.g. within a town “Prepare to turn left”, “Turn left after 300 metres” and “Now turn left”.

- Press the setting knob ⇒ page 8, fig. 1 (10) to hear the last navigation announcement again.

The distances that are announced depend on the type of road and the speed at which you are driving. On motorways, the first announcement is given roughly 2,000 m before an exit.

For example, the following announcements may be heard on multi-lane highways or roads that divide, and at roundabouts: “Take the second exit at the roundabout!”.

When you arrive at your destination, the following announcement is heard: “You have reached the destination”.

During dynamic route guidance, you receive information about reported traffic congestion on the route. If the route is recalculated due to traffic congestion, you will be advised accordingly ⇒ page 70.

Announcement settings.

Navigation announcements are played at the preset volume.

The volume of an announcement can be changed with the volume control ◯. All following announcements will then be made at this volume.

The volume of navigation announcements can be preset or switched off in the **Navigation** *setup menu* ⇒ page 73 or in the volume settings ⇒ page 88. ■

Visual recommendations on the map

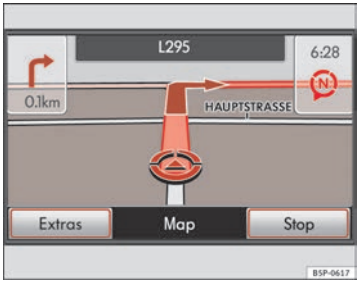

Fig. 65 Map view during route guidance with the function buttons displayed.

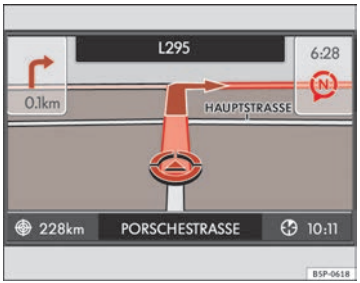

Fig. 66 Map view during route guidance.

When route guidance starts, the system automatically switches to the map view ⇒ fig. 65.

The red symbol indicates the vehicle's position and heading ⇒ fig. 65. If the vehicle position symbol remains in the same position and the map view freezes, it is currently not possible to determine the vehicle's position, e.g. in a multi-storey car park.

During route guidance the navigation route is shown as a blue line. Sections closed to traffic either manually or due to TMC messages advising of traffic congestion ⇒ page 70 are shown in colour on the calculated route.

The next road to take is displayed in the top line of the screen.

After a few seconds, the function buttons disappear from the bottom line of the screen to display more information on the route ⇒ fig. 66.

- Briefly press the bottom-right or bottom-left area of the screen to display the function buttons again ⇒ fig. 65.
- Pressing the NAV unit button switches between the *Navigation* main menu and the map view.

When the function buttons are hidden, the current street and information about the journey length are displayed on the bottom line of the screen ⇒ fig. 66.

: Remaining distance to the destination.

: Expected time of arrival or travelling time ⇒ page 73.

Shortly before you reach a turning point, a turning arrow appears, indicating the direction to turn. The distance to the turning point is also displayed below it.

Changing the map scale (Autozoom)

The “Autozoom” function is enabled for the map view by default. This means that the map view automatically zooms in and out: Small scale on motorways. Large scale in urban areas.

- Turn the setting knob ⇒ page 8, fig. 1 (10) to manually change the scale of the map for a few seconds. Turn the knob clockwise to zoom in. Turn the knob anticlockwise to zoom out.

- To permanently retain the manually selected map scale, “Autozoom” must be deactivated in the **Navigation** *setup menu* ⇒ page 73.

Selecting the map view mode

The map view mode can be changed.

- In the map, briefly press the bottom-right or bottom-left area of the screen to display the function buttons again.
- Press the Extras function button ⇒ page 65, fig. 65.
- Select one of the playback modes displayed in the pop-up window.

2D North: two dimensions, map oriented to North.

2D Heading: two dimension, map oriented to vehicle heading.

3D Heading: three dimensions, birds-eye view of map.

Alternatively, it is possible to switch between the three map views by pressing on the compass shown on the map.

During route guidance, the calculated route can also be shown on an overview map.

- Press Overview map in the pop-up window to display current position and destination.

The scale of the overview map cannot be changed.

- Press the function button Back to return to the last shown map view.

Displaying speed limits

If there is a speed limit stored in the navigation data for the road along which you are travelling, this will be displayed on the map. During route guidance, the arrow indicating a change of direction takes precedence over the speed limit display.

Please remember that the navigation data may not be up-to-date and that the system has limitations ⇒ page 47!

The speed limit display is activated in the navigation system settings ⇒ page 73.

Points of interest on map

Depending on the programmed settings, points of interest (petrol stations, car parks, Authorised Services) will be displayed as symbols on the map ⇒ page 73.

Note

If you miss a turning during route guidance and are currently unable to turn back, keep on driving until the navigation system offers a new route.

Note

The quality of the instructions given by the unit will depend on the navigation data used.

Note

In addition, the route is optimised with the TMC traffic news received ⇒ page 70. The radio stations broadcasting this information are responsible for the content and the quality of the TMC traffic reports. ■

Stopping and resuming route guidance

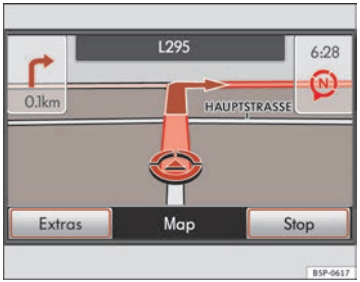

Fig. 67 Stopping route guidance.

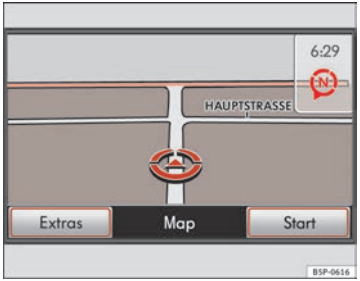

Fig. 68 Route guidance interrupted.

Active route guidance can be stopped and later resumed from the new vehicle position at any time.

Stopping route guidance

- In the **map view**, briefly press the bottom-right or bottom-left area of the screen to display the function buttons.
- Press the Stop function button ⇒ fig. 67.
- **ALTERNATIVELY:** Switch to the main menu *Navigation* and press the Stop function button.

Resume route guidance to the last destination

- In the **map view**, pressing the Start function button always automatically resumes route guidance to the last destination ⇒ fig. 68. ■

Entering a stopover destination

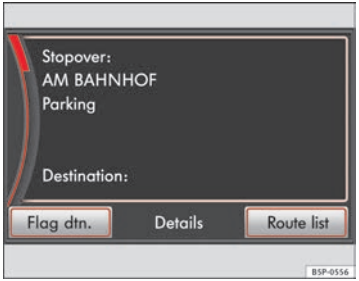

Fig. 69 Information window showing a stopover destination during route guidance.

It is possible to enter **one** additional destination as a stopover destination while route guidance is in progress. You will then always be guided to the stopover destination first before route guidance continues to the final destination. The final destination is always the destination to which route guid- ▶

ance is first started. To enter a final destination and stopover destination, please note the required steps.

- To enter a stopover destination, first select a final destination and start route guidance ⇒ page 52.
- Press the NAV unit button.
- In the *Navigation* main menu, select an additional destination, following the same procedure as for selection of a final destination.
- When you start route guidance to the additional destination, a pop-up window opens.
- Press the Stopover function button to be guided to the newly entered destination as a stopover destination, before continuing to the final destination.
- **Alternatively:** press the New destination function button to cancel the current route guidance and start a new route guidance to the newly entered destination only.

To view the stopover destination in the information window ⇒ page 67, fig. 69, press the i ⇒ page 8, fig. 1 (7) unit button.

An announcement is given when you reach the stopover destination. After a few seconds, route guidance is resumed to the final destination. You may then enter **another** stopover destination.

If the Stop function button is selected during route guidance to a stopover destination ⇒ page 67, you have the option of deleting the stopover destination. ■

Display the information window and the list with the route

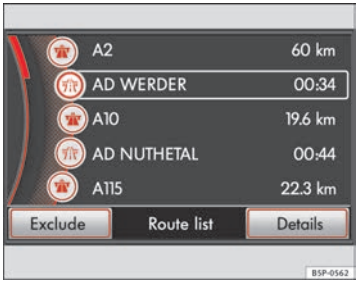

Fig. 70 Route list during route guidance.

Information window during route guidance

- Press the i unit button from any navigation menu (except SETUP) to open the *information window* ⇒ page 58.

During route guidance, the final destination is displayed in the *information window*. If a stopover destination has also been entered, this is displayed above the final destination ⇒ page 67, fig. 69.

Inserting the route list

During route guidance, a route list can be inserted via the *information window*.

- In the *information window*, press the Route function button.
- Press the Route list function button in the pop-up window.
- The route list for the active route guidance will be calculated and displayed ⇒ fig. 70. ▶

The route list contains the names or designations of roads to be driven on before each turning point. These are referred to below as “route sections”. All route sections to be passed up to the next destination are displayed.

The list also shows the distance to be travelled along each route section and the expected time required to reach the next turning point.

- Turn the setting knob ⇒ page 8, fig. 1 (10) to view the route list.
- Press the setting knob or Details function button to obtain more information about a marked section in an additional information window.
- Press the ⮌ unit button to close the information window.

Display sections of route

The arrow ▶ behind an entry in the route list indicates that more sections can be displayed.

- Select the entry with the arrow ▶ by turning the setting knob and display the sections of the route by pressing “Display”. The arrow changes to ▼.
- Press the entry with the arrow ▼ to hide the sections of the route again. ■

Manually excluding sections in the route list

The sections of the journey which are marked can be excluded individually or all together from the calculation in the route lists. Only one exclusion may be entered at a time.

- Displaying the route list ⇒ page 68.
- Turn the setting knob ⇒ page 8, fig. 1 (10) to mark the first route section of the stretch of route to be excluded.
- Press the Exclude function button.

The item is marked as excluded and the function button changes to Exclude to.

If, instead of the button Exclude to, Re-open appears in the route list, this means that the section has already been excluded.

- Select the route section of the stretch of route you wish to exclude and press the Exclude to function button.

If the Exclude to button is not active, the section to be excluded is too long. **(Max)** is displayed on the bottom line of the screen after the excluded distance.

- Shorten the section of route to be excluded until the word **(Max)** disappears and it is possible to select the Exclude to function button. At the same time, display partial sections of the route within a section of the route ⇒ page 69.

When an exclusion has been entered, the route list closes.

Route guidance will start again when the navigation system has calculated an alternative route to the excluded section.

Re-opening a section

- Press the unit button i in any of the navigation menus (except SETUP).
- In the *information window*, press the Route function button.
- Press the Re-open section function button in the pop-up window.
- **Alternatively:** open the route list and press the Re-open function button.

Note

Information on entering an exclusion starting from the current vehicle position ⇒ page 70.

Note

The excluded route section is displayed on the map ⇒ page 65. ■

Directly excluding a route section further ahead (congestion)

During a route guidance, the route section of the remaining stretch of route can be excluded manually.

- Press the unit button (i) in any of the navigation menus (except SETUP).
- In the *information window*, press the Route function button.
- Press the Congestion ahead function button in the pop-up window.
- Enter the length of the section to be excluded by turning the setting knob ⇒ page 8, fig. 1 (10).

The length indicated for the route section is shown on the lower line of the screen. If **(Max)** is displayed, this indicates that the maximum permitted length for exclusion has been reached.

- Press the OK setting knob or function key to confirm the exclusion.

The excluded route section is displayed on the map.

Route guidance will start again when the navigation system has calculated an alternative route to the excluded section.

Re-opening a section

- Press the unit button (i) in any of the navigation menus (except SETUP).
- In the *information window*, press the Route function button.
- Press the Re-open section function button in the pop-up window.

Note

It is also possible to enter or cancel an exclusion while viewing the TMC traffic announcements using the function button Congestion ahead ⇒ page 71.

Note

Information on manually excluding route sections further ahead ⇒ page 69. ■

Dynamic route guidance with TMC (Traffic Message Channel)

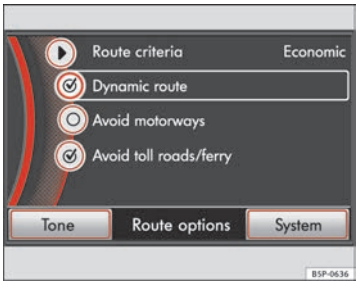

Fig. 71 Route options setup menu.

The prerequisite for dynamic route guidance is always the reception of a TMC traffic news station for the navigation area available in the unit. TMC traffic reports received can be displayed in a list ⇒ page 71.

If dynamic route guidance is activated, any TMC traffic reports are taken into account in the route calculation.

Switching the dynamic navigation on or off

- Press the SETUP unit button in one of the navigation menus.
- In the **Navigation** *setup menu*, press the Route options function button to open the **Route options** *setup menu* ⇒ fig. 71.

- **Alternatively:** press the TRAFFIC and SETUP buttons successively to open the *setup menu TRAFFIC*.
- In one of the two menus, tick or clear the checkbox in the Dynamic route function button by pressing it.

Traffic incidents displayed on the map

Traffic congestion reported via TMC that is on the route is shown on the map by a coloured symbol. Traffic congestion that is not on the route is shown on the map by a grey symbol. The positioning of the TMC symbol indicates the start and the direction of the traffic congestion if both are clearly defined in the TMC traffic message.

Route sections with traffic congestion that are on the route are coloured red. Route sections with traffic congestion that are not on the route are coloured grey. If route guidance is not active, all traffic congestion is coloured grey.

Dynamic route guidance

If the Dynamic route function button is activated and a diversion to avoid traffic congestion on the route is likely to save time, the navigation system automatically calculates an alternative route.

An announcement is given when the route is recalculated. The same announcement is given if traffic congestion that was present when the route was originally calculated is now no longer reported.

Note

A diversion of the route based on TMC traffic reports may not always save time, if, for instance, there is also heavy traffic on the alternative route.

Note

If there is traffic congestion on a route section further ahead, it is possible to exclude the section manually if the TMC traffic report has not yet been received. ■

Displaying TMC traffic reports (TRAFFIC)

Fig. 72 List of TMC traffic reports received.

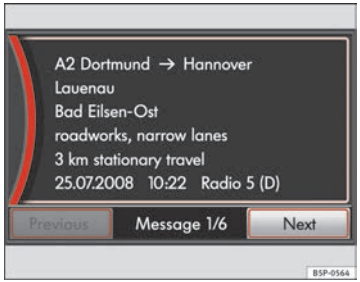

Fig. 73 Detailed view of a received TMC traffic report.

The unit constantly receives TMC traffic reports in the background, provided a TMC traffic news station can be received at the current location. The station listened to does not have to be the TMC traffic news station. ▶

The unit only processes and displays TMC traffic reports affecting the area within a radius of roughly 100 km from the current vehicle position.

TMC traffic reports are required for dynamic route guidance and are displayed on the map ⇒ page 70.

Display TMC traffic reports

- Press the TRAFFIC unit button to display the list of the current TMC traffic reports ⇒ page 71, fig. 72.
- Press one of the TMC traffic reports on the screen to open the detailed view ⇒ page 71, fig. 73.
- **Alternatively:** select the TMC report by turning the setting knob ⇒ page 8, fig. 1 (10) and open the detailed view by pressing ⇒ page 71, fig. 73.
- In the detailed view, you can browse through the TMC traffic reports using the function buttons Previous and Next.

Display TMC traffic news stations

- Open the list of the current TMC traffic reports.
- Press the i ⇒ page 8, fig. 1 (7) unit button to open the information window. The current TMC traffic news station is displayed.
- Press the i unit button again to close the information window.

Note

By using the Congestion ahead ⇒ page 71, fig. 72 function button it is possible to enter a manual exclusion from the vehicle position ⇒ page 70.

Note

The radio-navigation system can only process and store TMC traffic reports if the unit has access to navigation data for the area you are currently travelling through.

Note

The quality of the dynamic route guidance depends on the information contained in the TMC traffic reports. The radio stations are responsible for the content of the news broadcast. ■

Route guidance in demo mode

If demo mode is activated in the **Navigation** *setup menu* ⇒ page 73, an additional pop-up window opens when you start route guidance.

- Pressing the Demo function button starts a “virtual route guidance” to the destination you have entered.
- If you press the Normal function button, a “real route guidance” starts.

The sequence of events and the operations in virtual route guidance are similar to those in real route guidance.

Virtual route guidance is repeated when you reach the fictitious destination and always starts again from the starting point if it is interrupted.

If the starting point for demo mode has been defined manually in the **Navigation** *setup menu*, virtual route guidance will start from this position.

If the vehicle is moved and the unit can determine its current location by GPS, any manually entered starting point will be overwritten with the current vehicle location ⇒ page 73.

When real route guidance is started following virtual route guidance in demo mode, the unit first has to reorient itself. This may take some time, depending on the number of satellites the unit can currently receive. Moving the vehicle may speed up the reorientation process. ▶

Ending demonstration mode

As a general rule, the Demo mode should be switched off after use, otherwise you will always have to select between virtual navigation or normal navigation before starting navigation to a destination.

Normally, the demonstration mode automatically ends on completion of the route guidance programme or when a new navigation destination (not stop-over) is entered. When the vehicle starts to move, or when the unit is switched off, the demonstration mode ends.

If necessary, switch off the demonstration mode in the **navigation** setup menu.

- Press the SETUP unit button in one of the navigation menus.
- Untick the checkbox for the ☑Demo mode function button. ■

Setup menu Navigation

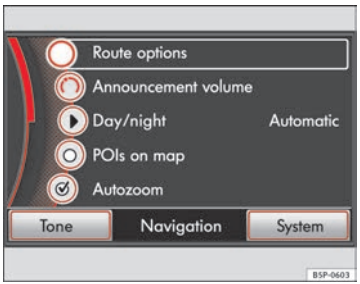

Fig. 74 Navigation setup menu.

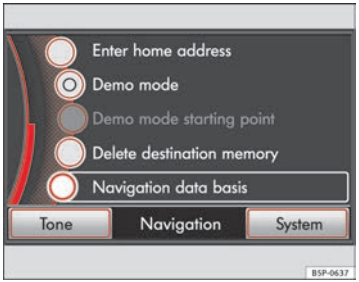

Fig. 75 Navigation setup menu.

Press the SETUP unit button from any navigation menu to open the **Navigation** *setup menu* ⇒ fig. 74.

Function button: Result
Route options: ⇒ page 63.
Announcement volume: Turn the setting knob ⇒ page 8, fig. 1 (10) to adjust the volume of navigation announcements. To switch off, turn the knob to the left until **Off** is displayed. The volume of the navigation announcements can also be controlled from the general volume settings ⇒ page 87.
Day / night
Automatic: the map mode changes from daytime to night-time view as the dipped headlights are switched on.
Day: the map view remains in daytime mode (bright).
Night: the map view remains in night-time mode (dark).

Function button: Result
POIs on map: Points of interest (petrol stations, car parks, Authorised Services) will be displayed as symbols on the map.
Autozoom: “automatic zoom” mode for activated map ⇒ page 65.
Traffic signal displays: during route guidance, the speed limits stored in the navigation data for the road on which you are driving are displayed ⇒ page 66.
Time display: displayed during route guidance ⇒ page 65.
ETA: The estimated time of arrival at the final destination is displayed.
Journey duration: The estimated travelling time to the final destination is displayed.
Enter home address: See **Destination memory** ⇒ page 58.
Demo mode: this permits virtual navigation to the destination entered ⇒ page 72.
Point of departure Demonstration mode: If demo mode is activated, a fictitious starting point for virtual route guidance can be defined when the vehicle is stationary.
Delete destination memory: delete stored destinations ⇒ page 58.
Navigation database: to display information about the data medium and about the data used for navigation ⇒ page 47.

Telephone control (Phone)

Introduction

Introduction

The telephone functions described below can be controlled from the radio and navigation system provided there is a mobile phone switched on and connected to the radio and navigation system.

The connection will depend on the appliance.

- Link and connect a mobile phone to the radio and navigation system ⇒ page 77.
- Link and connect a mobile phone through the instrument panel.

For the connection between the mobile phone and the radio and navigation system, the mobile phone must have **Bluetooth®**.

If no mobile phone is connected to the radio and navigation system, telephone control will not be available.

Please observe instructions concerning the use of mobile phones in vehicles without an external aerial ⇒ page 76.

WARNING

Telephone calls and the use of the mobile phone pre-installation while driving may distract the driver from the road and result in accident.

- **You should always drive with due care and attention.**
- **Select volume settings that allow you to easily hear signals from outside the vehicle at all times, e.g. emergency service sirens.**
- **Your call may be cut off or you may be unable to make calls if you are in an area with no mobile phone network coverage, an area where the**

WARNING (continued)

network is very weak or, in some cases, in a tunnel, garage or underpass. This also means that no emergency calls can be made.

WARNING

If your mobile phone is loose and is not securely fastened, it could be thrown around the vehicle interior in the event of sudden braking, sharp movements or accident and cause injury to passengers.

- **While the vehicle is in motion, always secure the mobile phone properly outside the airbag deployment zone.**

WARNING

Mobile phones may affect the operation of pacemakers. Always maintain a suitable distance between the phone and the pacemaker.

- **Maintain a gap of roughly 20 centimetres between the aerials of the mobile phone and the pacemaker, as mobile phones may affect the functioning of pacemakers.**
- **Do not keep mobile phones in breast pockets directly above pacemakers.**
- **Switch off the mobile phone immediately if you suspect there may be interference.**

WARNING

An unfolded armrest may restrict the driver's movements causing a serious accident.

- **While driving, the armrest should always be closed.**

Caution

High speeds, poor weather or road conditions and the quality of reception can all affect the quality of a telephone conversation in the vehicle.

Note

The instructions shown on the screen for each telephone menu will depend on the mobile phone used. There may be variations.

Note

The SOS or emergency call function is not displayed on all appliances and is not available in all countries even through the mobile phone operator.

Note

Please observe instructions for the use of the mobile phone and phone accessories, together with instructions referring to the use of headphones.

Note

You may experience problems with reception or your call may be cut off in areas without network coverage.

Note

Most electronic devices are shielded against high-frequency signals. However, some electronic devices may not be shielded against radio frequency signals from the telephone. This could lead to malfunction. ■

Areas with special regulations

Switch off the mobile phone and the pre-installation in areas with a high risk of explosion. These areas are usually marked, although not always clearly ⇒ ⚠ in “Introduction” on page 75. For example:

- In the vicinity of chemical pipelines and tanks
- Below deck on board ships and ferries.
- In the proximity of vehicles that run on liquid gas (such as propane or butane)
- Areas with chemical products or particles in the air, such as flour, dust or metal powder.
- Any area in which the car engine must be switched off.

WARNING

Switch off your mobile phone in areas with a high risk of explosion! The mobile phone can be automatically reconnected to the mobile phone network if the Bluetooth connection is switched off for the pre-installation.

Caution

Always switch off your mobile phone and the pre-installation in restricted areas or areas where the use of mobile phones is not permitted. Radiation from a mobile phone which is switched on may interfere with sensitive technical or medical equipment, resulting in malfunction or damage to this equipment. ■

Using a mobile phone in the vehicle

Mobile phones send and receive radio waves, both during a call and while on stand-by. Some scientific studies claim that radio waves above certain values ▶

may be harmful to the human body. The authorities and international committees have defined limits and directives to ensure that electromagnetic radiation from mobile telephones remains within limits which are not harmful to human health. Nevertheless, there is no conclusive scientific evidence that wireless telephones are totally safe.

Therefore, some experts recommend moderate use of mobile phones until the results of further research currently underway are published. ■

Link and connect the mobile phone to a radio and navigation system

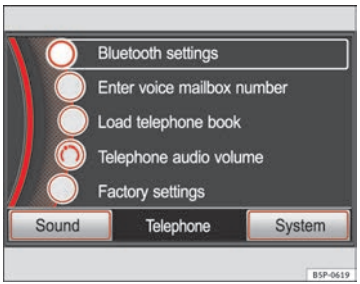

Fig. 76 Setup: Bluetooth settings.

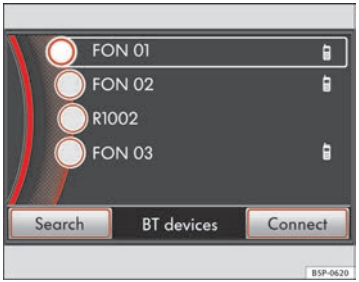

Fig. 77 Bluetooth settings: BT equipment.

To use a mobile phone via the radio and navigation system, it is necessary to establish a connection between both units **once**.

The mobile phone can be connected to the radio and navigation system in two ways:

- **active connection**
- **passive connection**

With the active connection, the search for the unit is started using the **radio and navigation system**. With the passive connection, the search for the unit is started using the **mobile phone**. The following settings in the mobile phone and in the radio and navigation system are required for both types of connection:

- The **Bluetooth® function** must be on or visible in the mobile phone and in the radio and navigation system.
- The mobile phone **keypad** must be unlocked.
- The mobile phone **notification and keypad tones** should be switched off.

It will be necessary to enter information using the telephone keypad during the connection process. Therefore, the mobile phone should be to hand. ▶

Start active connection of the mobile phone

When making an active connection, any existing connections to other mobile phones are ended.

- Press the PHONE unit button.
- Press the SETUP unit button.
- Press the Bluetooth Settings function button[5].
- Press the Bluetooth Settings function button.

The search process may last 15 to 20 seconds. On completion, the names of any mobile phones found are displayed on the screen.

- Select the entry corresponding to the mobile phone to be connected from the list of Bluetooth devices ⇒ page 77, fig. 77.
- Establish a connection by pressing the Connect function button.
- **Alternatively:** establish the connection by pressing the right unit button.
- **Alternatively:** establish the connection by pressing the name of the phone in the entry in the list.

Now establish a connection between the mobile phone and the radio and navigation system. To confirm the connection between the two units, certain information should be entered in the mobile phone.

- Confirm connection in the mobile phone.
- Enter PIN shown on the radio and navigation display via the mobile phone and confirm.

When the PIN has been correctly entered, a message confirming the connection is displayed on the radio and navigation system screen. The address book stored in the mobile phone and the call lists are automatically loaded. The time taken to load the information will depend upon the quantity of data stored in the mobile phone. Once the data has been loaded, the telephone control data will be available in the radio and navigation system. The main menu, *PHONE*, is displayed on the screen.

Start passive connection of the mobile phone

- Press the PHONE unit button.
- Press the SETUP unit button.
- Press the Bluetooth Settings function button[5].
- Press the Establish BT visibility function button.
- Start searching for Bluetooth audio accessories in the mobile phone.

The search process may last 15 to 20 seconds. On completion of the procedure, the radio and navigation system is shown in the mobile phone as **SEAT_BT**.

- Select **SEAT_BT** on the mobile phone, in the list of entries of Bluetooth audio accessories found and establish connection.

Now establish a connection between the mobile phone and the radio and navigation system. To end the connection between the two units, certain information should be entered in the mobile phone.

- Enter PIN shown on the radio and navigation display via the mobile phone and confirm.

When the PIN has been correctly entered, the mobile phone address book and call lists are automatically loaded. The time taken to load the information will depend upon the quantity of data stored in the mobile phone. Once the data has been loaded, the telephone control data will be available in the radio and navigation system. The main menu, *PHONE*, is displayed on the screen.

If the PIN is not entered correctly, the Bluetooth visibility automatically switches off in the radio and navigation system. To reconnect the phone again, visibility should be reactivated via the Bluetooth settings.

[5] If the connection button is **not** available, the device should be linked through the instrument panel.

Connection of more than one mobile phone

A maximum of **four** mobile phones can be connected to the radio and navigation system. When the radio and navigation system is switched on, it automatically connects to the last connected mobile phone. If it is not possible to connect to this mobile phone, the system will try to automatically connect to the next mobile phone on the list of connected units.

If there are already four phones connected and you wish to connect an additional phone, it will be necessary to delete one of the phones from the list of units connected.

- Press the SETUP unit button.
- Press the Bluetooth Settings function button[5)].
- **Alternatively:** select the Bluetooth Settings by turning the setting knob ⇒ page 8, fig. 1 (10) and press knob to confirm.
- Press the List of connected units function button.
- **ALTERNATIVELY:** Select the List of connected units function button by turning the setting knob and press knob to confirm.
- Select the mobile phone to be deleted from the list of connected units.
- Press the Delete function button or the lower button to confirm the procedure.

After deleting the phone, there will only be three entries in the list of connected units. It will now be possible to start a new connection to another mobile phone.

Note

For safety reasons, Bluetooth visibility in the radio and navigation system is limited to exactly five minutes.

Note

The Bluetooth connection has a maximum range of **10 metres**. An existing Bluetooth connection will be disconnected if the distance between the connected units is greater than this. The connection is **automatically** resumed when the units are back within the range. ■

PHONE main menu

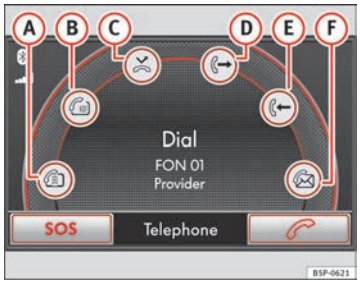

Fig. 78 PHONE main menu.

After the connection procedure, the radio and navigation system uses the data from the mobile phone address book and call lists, which can be viewed and used via the *PHONE* main menu.

- Press the PHONE unit button to open the *PHONE* main menu.

Displays on PHONE main menu

The name of the connected phone is displayed in the centre of the *PHONE* main menu screen, (in fig. 78 **FON 01**) and the name of the operator (mobile phone supplier).

The symbol ᛒ in the upper left corner of the display indicates an existing Bluetooth ® connection. ▶

The columns below the Bluetooth® symbol show the strength of the current signal (strength of signal from the main mobile phone station).

To display the above, the mobile phone should accept the **handsfree profile 1.5**.

Function buttons in the PHONE main menu

A: dial.

B: address book.

C: missed calls.

D[6]: numbers dialled.

E: calls received.

F: voice mailbox number[7].

: accept or make a call.

SOS[8]: make emergency call.

Setup menu Telephone (SETUP)

The functions activated with the Bluetooth settings button are required for the connection of a mobile phone or an external Bluetooth device ⇒ page 77.

Function button: Result
Enter voice mailbox: enter the voice mailbox number.
Load address book: the telephone book entries in the radio and navigation system will be updated from the mobile phone and SIM card. The procedure may last several minutes.
Telephone volume: sets the volume of phone calls.
Factory settings: Restore factory settings in telephone menu and delete user profiles and numbers stored.

6) This may vary depending upon the country.

7) The number of the voice mailbox should be entered manually in the telephone *setup menu* ⇒ page 80.

8) The SOS or emergency call function is not displayed on all appliances and is not available in all countries even through the mobile phone operator.

Stored numbers

Guide

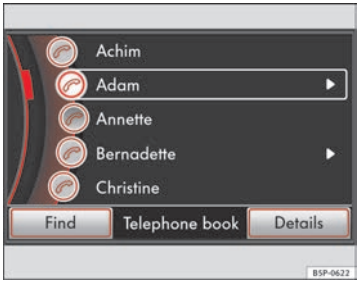

Fig. 79 Address book.

After a connection with a mobile phone has been established, the entries in the address book can be viewed and used via the *PHONE* telephone control.

Opening and scanning through the address book

- In the *PHONE* main menu, press the [CAR] function button to open the address book.
- Scroll through the address book using the setting knob ⇒ page 8, fig. 10.
- Select the required entry on the screen or press the setting knob to call the number.

If an address book entry has only one number, this number is called directly.

If an address book entry has several phone numbers, the entry is shown with the symbol ▶. When this entry is selected on the screen or when the setting knob is pressed, all the numbers stored for this entry are displayed.

Displaying the information for an address book entry

- In the *Address book* menu, press [Details] to display **all** the numbers saved under this name.
- Dial the number, by pressing it on the screen or by pressing the setting knob.

Note

Up to 2500 entries in the address book can be managed using the telephone control (Phone). ■

Searching for an entry in the address book

Fig. 80 Searching for an entry in the address book

- Open the address book.

▶

- Press the Search function button.
- Enter the name you are searching for in the input window.

Each time you enter a character, the sequence of characters in the input line is automatically completed with a name that is in the address book.

If no name is offered when all the characters have been entered, there is no entry in the address book corresponding to the sequence of characters you have entered.

- Delete characters in the line of data until a name is suggested.

Both upper and lower case are accepted when searching for an entry in the address book.

- Press the OK function button to select the entry in the address book when you have found it.
- **Alternatively:** press the right unit button to select the entry in the list, when you have found it.
- Press the selected address book entry to make a call.
- **Alternatively:** press the setting knob ⇒ page 8, fig. 1 (10) to make the call. ■

Displaying and editing the phone number

A telephone number stored in the address book or in a call list can be changed before you dial it.

Displaying and changing telephone numbers via an input window

- Select the phone number and press the Details function button.
- Press the Edit function button to view the number in the input window.

The phone number can be changed here or reproduced as a DTMF sequence. After you have changed the number, you can dial it by pressing the function key.

The changes **are not saved permanently** in the address book. The modified phone number can be viewed in the call list *Numbers dialled* after a call has been made. ■

Call lists

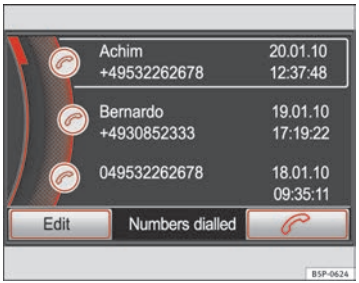

Fig. 81 Call list.

All the call lists in the mobile phone memory can be consulted using the radio and navigation system phone control system. The call lists give all the calls made using the mobile phone.

If the phone accepts the **handsfree profile 1.5**, calls not made through the radio and navigation phone control system will also be shown.

Missed calls

The call list gives all missed and unanswered calls.

Numbers dialled

The call list gives all the phone numbers selected through the mobile phone and through the radio and navigation phone control system. ▶

Calls answered

The call list gives all the incoming calls answered with the mobile phone and via the radio and navigation phone control system.

Opening the call list

- Press the required call list function button in the *PHONE* main menu.
- **Alternatively:** select the required call list in the *PHONE* main menu by turning the setting knob ⇒ page 8, fig. 1 (10) and open by pressing the button.

If a phone number has been saved in the address book, the call list will display the name stored against the phone number instead of the number.

Note

The call list display will depend on the mobile phone used. ■

Using the telephone

Accepting, ending or rejecting a call

When there is an incoming call, the phone number of the caller is displayed on the radio and navigation screen.

If a phone number has been saved in the address book, the name stored against the phone number is displayed instead of the number.

An incoming call can be accepted, ended or rejected using the radio and navigation phone control system.

- Press the function button to **answer** the call.
- Press the function button to **answer** the call.
- Press the function button to **reject** the call. ■

Enter and call a phone number

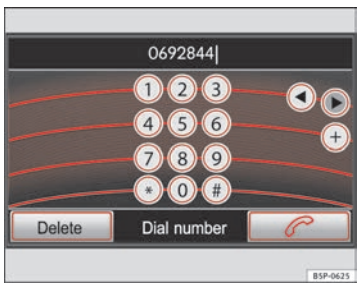

Fig. 82 Enter a telephone number.

It is possible to enter a phone number manually using the *PHONE* main menu.

- Open the *PHONE* main menu by pressing the PHONE unit button.
- In the *PHONE* main menu, press the A function button⇒ page 79, fig. 78.
- Enter the required phone number in the input window by pressing the characters.
- After entering the complete phone number, press the function button to make the call. ■

Making a call from the address book

- Open the address book in the *PHONE* main menu.
- Select the required entry by turning the setting knob ⇒ page 8, fig. 1 10.
- Press the setting knob to dial the number.
- **ALTERNATIVELY:** Press the required entry to make the call. ■

Making a call from the call list

- Open the call list in the *PHONE* main menu.
- Select the required entry in the list by turning the setting knob ⇒ page 8, fig. 1 10.
- Press the setting knob to dial the number.
- **ALTERNATIVELY:** Press the required entry to make the call.
- **Alternatively:** press the function button or the lower unit button to make the call. ■

During a phone call

Fig. 83 Display an active connection.

Active connection display

During a phone call, the number of the caller and the length of the conversation are displayed on the screen.

If the phone number has been saved in the address book, the name allocated to the number is displayed instead of the number.

Muting the call

To prevent the caller listening to conversations inside the car during an active connection, the sound transfer to the other phone can be temporarily disconnected.

- Press the Extras button with a connection established.
- Press the Mute function button in the pop-up window to disconnect sound transmission to the other caller.
- Press the Mute function button again in the pop-up window to restore sound transmission to the other caller. ■

Accepting and holding an additional call

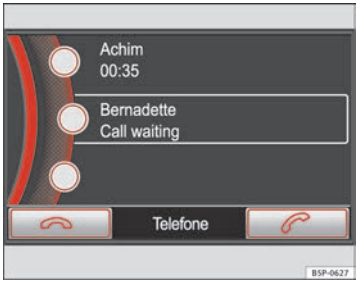

Fig. 84 Call notification.

An additional call may be accepted during a telephone conversation. It is possible to switch between calls.

Call notification: Accept additional incoming call

- If you receive another call while you are talking on the phone, the phone number or name of the caller is displayed on the screen. The display **"... calling"** is also shown
- To reject the second caller, press the function button.
- **ALTERNATIVELY:** Press the left unit button.
- To accept the second call, press directly on the call notification, or the function button.
- **ALTERNATIVELY:** Press the right unit button.

If you accept the second call, the first caller is put on hold, but the connection is **not** cut off (display: **"Hold call"**). ▶

Alternating: Alternating between two calls

- To alternate between two calls, press the call display for the caller you wish to talk to.
- **Alternatively:** press the Extras function button and, in the pop-up window, the Alternate calls function button.

While one of the callers is connected, the other caller will be kept on hold.

- To end an active connection with a caller, press the function button.
- **ALTERNATIVELY:** Press the left unit button.

During an active conversation it is only possible to place **one** other caller on hold at the same time.

Note

The “Call notification” function must be activated on the mobile phone.

Note

The behaviour of the “Alternate” function will depend on the handsfree profile version One requirement for the above functions is compatibility with **HFP 1.5**.

Making a conference call

Fig. 85 Adding several callers to a teleconference.

One caller “on hold” can be included in the active conversation, to make a conference call.

Adding several callers to a conference call

All the callers in the conference are able to hear and speak to the other callers.

- Press the function button Extras and the Conference function button in the pop-up window to add both callers to the conference call.

Both callers are shown in line on the screen as **“Conference** callers”.

An additional incoming call may be accepted during a telephone conference. It is possible to alternate between the conference and the new call, or the new caller can be invited to join the conference. Depending on the provider, the conference call may include up to six callers.

- Press the function button to end the conference call and separate the connection with **all** the callers.

Settings (SETUP)

Sound, volume and system settings

Introduction

Pressing the SETUP unit button first opens a *context-sensitive settings menu* for the currently selected mode.

Additional Information:

- Safety notes ⚠ ⇒ page 6
- Unit overview ⇒ page 8
- **Radio** *settings menu* ⇒ page 14
- **Media** *settings menu* ⇒ page 29
- **Navigation** *settings menu* ⇒ page 63
- **Phone** *settings menu* ⇒ page 75 ■

Sound and volume settings

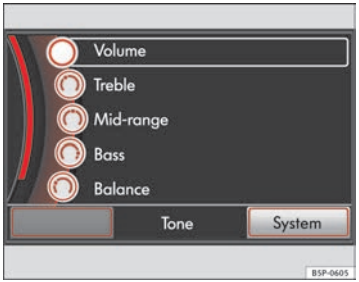

Fig. 86 Selection menu for sound settings.

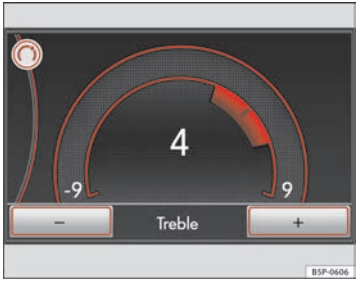

Fig. 87 Settings menu for treble level.

Opening the Sound main menu

- Press the SETUP unit button from any menu.
- Press the Sound function button at the bottom-left of the screen to open the menu for changing sound and volume settings ⇒ page 87, fig. 86.

The currently selected settings are indicated in the overview by the scale in the circle next to the respective menu item ⇒ page 87, fig. 86.

Changing the balance and fader settings

- Press the function buttons Treble, Mid or Bass to open the respective settings menus for adjusting the "tone" ⇒ page 87, fig. 87.
- Turn the setting knob ⇒ page 8, fig. 1 (10) or press the function button − or + to alter the current setting.
- Press the function button Balance or Fader to open the settings menu for changing the sound focus to the left or right (balance) or to the front or rear (fader).
- Turn the setting knob or press the appropriate function button to alter the current setting.

Changing the volume settings and adjustments

The volume settings and adjustments can be pre-defined.

While you adjust volume settings, the currently active audio source is played at the level of the setting as you change it.

- In the **Sound** *main menu*, press the Volume function button ⇒ page 87, fig. 86.
- Press the function button Max. switch-on volume, Traffic announcements (TP) ⇒ page 23, Navigation volume or Speed-dependent vol. adjustment to open the corresponding settings menu.
- Turn the setting knob or press the − or + function button.
- Pressing the vol. reduction function button opens a pop-up window in which you can set the automatic audio volume reduction applied when the parking distance warning system is active.

Functional description of speed-dependent volume adjustment (GALA)

The speed dependent volume adjustment automatically increases the volume as the vehicle speed increases.

The degree to which the volume increases with speed is adjusted on a scale between **1** and **7**.

If a low value is set, the volume rises only slightly as the speed of the vehicle increases. At a high setting the volume is increased more. At **0** speed-dependent volume control is switched off (display: **Off**). ■

System settings

- Press the SETUP unit button and the System function button to open the settings menu.

Resetting to factory settings

The restoration of the original settings **deletes all the previous entries, destinations and other settings**.

- In the **System** *settings menu*, press the Factory settings function button.
- Confirm the prompt by pressing Yes to reset the unit to its original settings.

Other system settings

Function button: Result
Language: Press to select the desired language for text and voice output.
ALTERNATIVELY: select Automatic to use the language programmed on the instrument panel.
View of keyboard
ABC: The keyboard in input windows has an alphabetic layout.

Function button: Result
QWERTY: The keyboard in input windows has the usual computer layout.
Screen: Change display settings.
Brightness: press to select the screen brightness setting.
Day/Night: changes the map view.
Automatic: the map view changes when the dipped beams are switched on.
Day: the map view remains in daytime mode (bright).
Night: the map view remains in night-time mode (dark).
Acoustic feedback: Switch the confirmation tone for pressing a function button on or off.
Factory settings: restore the unit to its original factory settings.
Air conditioning announcements
3 s, 5 s, 10 s Changes to the air conditioning are displayed on the screen for approximately 3, 5 or 10 seconds.
Off: Changes to the air conditioning settings are **not** displayed on the screen.
Time display: switch time display on or off ⇒ page 11.

Note

The system of units used in the navigation menu (metric or imperial) is set on the instrument panel. ■

Abbreviations

Abbreviations

Abbreviation	Meaning
AM	Amplitude modulation (medium wave, MW).
AUX	Auxiliary input
DAB	Digital Audio Broadcasting.
EON	Supports other networks (Enhanced Other Networks).
FM	Frequency modulation (very high frequency, VHF).
MDI	External data medium (Media Device Interface, e.g. iPod®).
RDS	Radio data system.
TMC	Station for traffic reports (Traffic Message Channel).
TP	Traffic Programme.

Index

A

Address entry 52
AM 15, 90
Anti-theft protection
  Code 10
  Radio coding 10
Areas with special regulations 76
Autoscan
  MEDIA 39
  RADIO 16
Autozoom 65
AUX 33, 90
  AUX volume 41
  AUX-IN multimedia socket 33
  External audio source 33
AUX 2 34
  External audio source 34
AUX2 34
AUX-IN multimedia socket
  See: AUX 33
Avoiding hold-ups 70

B

Balance 87
Base volume
  Adjusting 11
  Mute function 11
Bass 87
Bluetooth audio (external audio source) 36
BT audio 36
Button tone
  See: Confirmation tone 88

C

Cabriolet models (ejecting CDs) 32
Car park search 55
CD eject in Cabriolet models 32
CD mode
  See: MEDIA 32
Changing frequency band 15
Changing station names 22
Checkbox – ticking and clearing 12
Code 10
Confirmation tone
  Switching on and off 88
Controls 8
Coordinates 60
Cursor
  See: "Enter mark" 51

D

DAB 24, 90
  Additional services 24
  Additional stations from the main menu . . . 25
  Additional stations on the DAB station list . 27
  Changing an ensemble 26
  Changing station 26
  Changing stations 25
  Channel 24
  Deleting station list 27
  Ensemble 24
  FM programme tracking 28
  Incoming messages 24
  Main menu 25
  Operation 24
  Programme tracking 28
  Radio text 24
  Selecting a station 26
  SETUP 27
  Station list 26
  Switching incoming messages on or off . . . 27
  Switching on 25
  Updating the station list 27
Data, deleting
  See: Deleting 88
Day or night design 88
Delete
  Telephone user profile 80

Delete memory
See: Deleting ... 88
Deleting
All entries ... 88
Destination memory ... 60
Last destinations ... 60
Navigation data on memory card ... 48
Navigation destinations ... 60
Radio presets ... 19
Station list (DAB) ... 27
Stored DAB stations ... 27
Demo mode (navigation) ... 72
Destination
Displaying ... 53
Home address ... 54
Last destinations ... 58
Petrol station or car park ... 55
Searching for a point of interest ... 56
Stored destinations ... 54
Destination memory ... 58
Deleting ... 60
Editing destinations ... 59
Last destinations ... 58
Storing destinations ... 59
Destination window ... 53
Destinations
Editing ... 59
Digital radio
See: "DAB" ... 24
Display
Additional display information ... 11
Air conditioning displays ... 88
Brightness ... 88
Keyboard layout ... 88
Kilometres or miles ... 89
Map view ... 88
Dynamic route guidance ... 70

E

Enter mark
Cursor ... 51
Entries, deleting
See: Deleting ... 88
EON ... 22, 90
Explosion: areas of risk
Telephone ... 76
External audio source
Bluetooth audio ... 36
Data medium requirements (MDI) ... 42
External data medium (USB) ... 42
MDI ... 42
MEDIA-IN multimedia interface ... 42
MP3 player ... 42
See: AUX ... 33, 40
See: AUX2 ... 34
External data medium
See: MDI ... 42

F

Factory settings ... 88
Fader ... 87
Fast forward ... 38
Flagged destination ... 61
FM ... 15, 90
Function buttons (soft keys) ... 12
Function keys
See: Function buttons ... 12

G

GALA ... 87
Geoposition ... 60
GPS status ... 60

H

Hard keys
See: Unit buttons ... 12
Home address ... 61

I

Ignition off
Switch-off delay (timeout) ... 10
Input volume (AUX, MDI) ... 40
Input window ... 50
Interference from a mobile telephone ... 10
Introduction ... 6

iPhone
See: iPod ... 45
iPod
Controlling ... 45
Selection menu ... 45
Volume ... 41

K

Keyboard layout
Map ... 88
Kilometres and miles display ... 89

L

Last destinations
Deleting ... 60
Selecting ... 54
Storing ... 58

M

Main Menu
Sound ... 87
Main menu
MEDIA ... 31
Navigation NAV ... 49
RADIO ... 14
System ... 88
TRAFFIC ... 71
Map
Speed limit ... 66
MDI ... 42, 90
Adapter ... 42
Connecting ... 43
Error messages ... 45
Faults ... 45
iPod operation ... 45
Operating ... 43
Requirements ... 42
Volume ... 41
MEDIA ... 29
Audio data CD ... 29
Autoscan ... 39
AUX volume ... 40
AUX-IN multimedia socket ... 33
Bit rate ... 29
Bluetooth audio ... 36
CD cannot be read ... 32
CD mode ... 32
Changing media source ... 37
Changing track ... 38
Display information ... 31
Ejecting CDs (Cabriolet) ... 32
Extras ... 39
Fast forward ... 38
Input volume ... 40
iPod ... 45
Main menu ... 31
MDI ... 42
MDI volume ... 40
Media source selection menu ... 37
Memory card cannot be read ... 33
Mix (random play) ... 39
MP3 files ... 29
Notes ... 29
Playback mode ... 39
Playback volume ... 40
Playing order ... 30
Playing subfolders ... 40
Playlists ... 30
Random play (Mix) ... 39
Repeat ... 39
Requirements ... 29
Rewind ... 38
Scan function ... 39
Searching the folder structure ... 38
Selecting tracks ... 38
Settings ... 40
SETUP ... 40
TP (Traffic Programme) ... 21, 22
Track information ... 31
Track repeat function ... 39
VBR (variable bit rate) ... 31
WMA files ... 29
Media source ... 31, 37
MEDIA-IN
See: MEDIA-IN multimedia interface ... 42
MEDIA-IN multimedia interface ... 42
Installation location ... 42
Operation ... 42
See also: MDI ... 42
Memory card (SD card) ... 33
Mid-range ... 87
Miles and kilometres display ... 89

Mix ... 39
Mobile phone
Exterior aerial ... 76
Multifunction steering wheel ... 10
MUTE ... 11
MW ... 90

N

NAV (Navigation) ... 47
Excluding sections ... 69
Navigation announcements ... 64
Navigation recommendations ... 65
Re-opening sections ... 69
Route guidance map ... 65
Route list ... 68
NAV (navigation)
Address entry ... 52
Age of navigation data ... 47
Avoiding hold-ups with TMC ... 70
Car park search ... 55
Changing the address ... 53
Changing the destination ... 53
Congestion ahead ... 71
Copy navigation data ... 48
Defining route criteria ... 63
Defining route options ... 63
Deleting destinations ... 59
Deleting the navigation history ... 73
Demo mode ... 72
Destination address ... 52
Destination address window ... 53
Destination entry overview ... 50
Destination from destination memory ... 54
Destination memory ... 58
Destination window ... 53
Displaying the map ... 49
Dynamic route guidance ... 70
Economical route ... 63
Editing destinations ... 59
Editing last destinations ... 58
Editing the home address ... 61
Enter destination ... 52
Entering a stopover destination ... 67
Entering an exclusion ... 71
Excluding types of route ... 64
Fast route ... 63
Flagged destination ... 60
Home address ... 54
Incompletely digitised areas ... 47
Information window ... 60
Input window ... 50
Last destinations ... 54
Main menu ... 49
Navigation area ... 47
Navigation data ... 47
On-screen keyboard ... 50
Petrol station search ... 55
Point of interest ... 56
Position ... 60
Postcode entry ... 52
Removing an exclusion ... 71
Route guidance ... 63
Select destination ... 52
Settings ... 73
SETUP ... 73
Short route ... 63
Storing destinations ... 59
TMC ... 70
TRAFFIC ... 71
Traffic congestion ... 70
Traffic reports (TMC) ... 71
Navigation announcements ... 64
Adjusting the volume ... 87
Navigation data ... 47
Copy to navigation data base ... 48
Navigation recommendations ... 65

O

On-screen keyboard ... 50
Operating instructions
Adjusting volume ... 11
Operation
Browsing lists ... 13
Checkboxes ... 12
Factory settings ... 88
Function buttons ... 12
Input window ... 50
Selecting menu items ... 13
Setting knob ... 13
Switching on and off ... 10
Text input ... 50
Touchscreen ... 12
Unit buttons ... 12
Original settings ... 88

Overview
System settings 88
Unit buttons 8

P

Parking distance warning system volume 87
Petrol station search 55
PHONE
Areas with a risk of explosion 76
Areas with special regulations 76
Connecting mobile phone to the radio and navigation system 77
Delete user profile 80
Factory settings 80
Linking mobile phone (to radio and navigation system) 77
Main menu 79
Restore 80
Playback volume (AUX, MDI) 40
Pop-up windows 12
Position
Displaying and storing 60

R

RADIO 14
Autoscan 16
Changing frequency 15
Changing station 15
Deleting presets 19
Display station name 21
FM station list 16
Main menu 14
Radio text 21
RDS 21
Scan function 16
Settings 19
SETUP 19
Station buttons 18
Station name 22
Station names 15
Station scan 16
Station tracking 21
Storing stations 18
TP (Traffic Programme) 21, 22
Tuning to a station frequency 17
Radio coding 10
Radio text 21
Random play (Mix) 39
RDS 21, 90
Radio text 21
RDS regional 21
Repeat 39
Requirements
Adapter (MDI) 42
CDs 29
External data medium (MDI) 42
Memory cards 29
SD cards 29
Rewind 38
Rotary/push knobs 12
Route criteria 63
Route guidance 63
Congestion ahead 71
Demo mode 72
Dynamic with TMC 70
Excluding sections 69
Map 65
Navigation announcements 64
Resuming 67
Route list 68
Route options 63
Stopover destination 67
Stopping 67
TRAFFIC 71
Traffic congestion 70
Route list
Display 68
Excluding sections 69
Route options 63

S

Safety
Instructions 6
Safety instructions 6
Satellite status 60
Scale display 89
Scan
MEDIA scan function 39
RADIO (scan function) 16
Scan/Mix/Repeat included 40
Scrolling 13

SD card 33
Searching for a point of interest 56
Setting knob (operation) 13
Settings (SETUP)
Defaults 87
Factory settings 88
Navigation 73
Radio 19
Sound 87
System 88
Volume distribution 87
Settings SETUP 87
SETUP
DAB 27
MEDIA 40
See: "Settings (SETUP)" 87
TRAFFIC 71
Soft keys
See: Function buttons 12
Sound (treble/mid-range/bass) 87
Sound distribution (balance/fader) 87
Sound settings 87
Special features
Anti-theft code 10
AUX mode 34
Display information 11
Radio coding 10
Volume reduction 10
Speed-dependent volume adjustment (GALA) . 87
Station buttons 18
Station search 15
Stopover destination 67
Summary 6
Switching off 10
Switching on 10
Switch-off delay (timeout) 10
Switch-on volume 87
Symbols used in this manual 12
System of units
Metric or imperial 89

T

Telephone users
Delete 80
Timeout 10
TMC 90
Dynamic route guidance 70
TMC traffic reports 71
Touchscreen 12
TP 90
TP (Traffic Programme) 21, 22
Display 23
Traffic announcement (INFO) 23
Track repeat function 39
Track search 38
TRAFFIC
TMC traffic reports 71
Traffic announcement (INFO) 23
Traffic congestion (TMC) 70
Traffic news
See "TP (Traffic Programme)" 21
See: "TP (Traffic Programme)" 22
Treble 87

U

Unit buttons (hard keys) 12
Overview 8
Unit overview 8
User entries, deleting
See: Deleting 88

V

VBR 31
Volume
Navigation announcements 87
Parking distance warning system volume reduction 87
Playback volume (AUX and MDI) 41
See: Adjusting the base volume 11
Speed-dependent volume adjustment (GALA) . 87
Switch-on volume 87
Traffic announcements 87
Volume distribution (balance/fader) 87

W

Warnings 6
Wireless communication interface 36

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