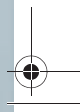
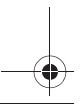




RNS 310, RNS 315

Navigation system
US Edition



Signs and symbols

-  Indicates a reference to a section within a chapter containing important information and safety instructions  that should always be heeded.
-  Indicates that the section is continued on the next page.
-  Identifies the end of a section.
-  Indicates situations in which the vehicle must be stopped as quickly as possible.
-  Indicates registered trademarks. However, the absence of this symbol does not constitute a waiver of any rights associated with intellectual property.
- ⇒  Cross-reference to a warning within the same section or on the same page, in order to point out possible risks of accidents and injuries and ways to prevent them.
- ⇒  Cross reference to potential property damage, in the same section or on the given page.

DANGER

Texts with this symbol contain information regarding hazardous situations which will cause death or severe injuries if ignored.

WARNING

Texts with this symbol contain information regarding hazardous situations which could cause death or severe injuries if ignored.

CAUTION

Texts with this symbol contain information regarding hazardous situations, which could cause minor or severe injuries if ignored.

Note

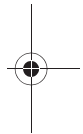
Texts with this symbol contain information regarding hazardous situations which could cause damage to the vehicle or the vehicle equipment when ignored.



Texts with this symbol contain information about the environment and how you can help to protect it.



Texts with this symbol contain supplementary information.



Volkswagen AG is constantly working to improve all types and models. Therefore, please understand that changes to the delivery scope in design, equipment and technology are possible at any time. The information regarding the scope of delivery, appearance, performance, dimensions, weights, fuel consumption, standards and functions of the vehicles correspond to the information available as of the editorial deadline. Some of the equipment may possibly not be available until later (visit your local Volkswagen dealer for information) or may only be available in certain markets. No legal commitment can be derived from

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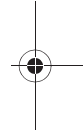
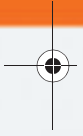
Produced in Germany.

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This paper was made from chlorine-free, bleached pulp.





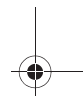
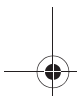
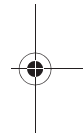
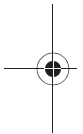
RNS 310, RNS 315:
Navigation system
Print status: 07.04.2010
Ausgabe: englisch USA: 05.2010
| Art.-Nr.: 111.5U6.N31.23





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About this manual

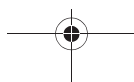
- At the end of this manual, you will find an [alphabetical index](#).
- A [list of abbreviations](#) explains technical abbreviations and terminology.
- [Directions](#) are usually from the point of view of the direction of travel.
- [Illustrations](#) are used for orientation and should be considered only as conceptual illustrations.
- For [vehicles with right-hand drive](#), controls are sometimes arranged differently to how they shown in the illustrations or described in the text.

All options and models are described without being identified as optional extras or model variants. It is therefore possible that equipment that is

not present in your vehicle may be described. Please contact your Volkswagen dealer for further information.

All information in this manual was correct at the time of printing and only applies to factory fitted devices. Discrepancies between the displays and features of the device and the descriptions in this manual may be due to continued development of the device and possible firmware updates. No legal commitment can be derived from the information, figures or descriptions in this manual.

If you sell or rent out your vehicle, please ensure that this manual is in the vehicle and that any information or files saved on the device have been deleted. ◀



Introduction

Before using

Prior to the first use of the device, the following steps should be carried out in order to operate the device safely and to enjoy the use of all functions to their full capacity:

- ✓ Follow all basic safety instructions ⚠ ⇒ page 8.
- ✓ Familiarize yourself with the device overview ⇒ page 6.
- ✓ In the device system settings, reset it to the default settings (factory settings) ⇒ page 67.
- ✓ Use data media suitable for Media mode ⇒ page 21. ◀

Safety instructions

⚠ WARNING

Operating the radio navigation system while driving can distract from traffic and lead to accidents.

- Always drive attentively and responsibly.
- Set volume settings to levels that ensure that acoustic signals from outside the vehicle are audible at all times (for example, the sirens of emergency rescue vehicles).
- Excessively high volume settings may lead to hearing loss. This can also extend to short exposure of the ears to loud volumes.

⚠ WARNING

Driving recommendations given and traffic signs displayed by the navigation system may vary from the actual traffic situation.

- Traffic signs and regulations take precedence over navigation driving recommendations.
- Adjust your speed and driving style according to visibility, weather, road and traffic conditions.

⚠ WARNING

Unmounted or improperly mounted external devices may be thrown around the vehicle's interior in the event of a sudden driving or braking maneuver or an accident.

- Always mount or stow external devices away properly before driving, making sure that they are outside the operational area of the airbags.

⚠ WARNING (continued)

- Place cables so as not to interfere with the driver.

⚠ WARNING

Sudden volume fluctuations may occur when the audio source is changed or connected.

- Please lower the volume before changing or connecting an audio source ⇒ page 9.

⚠ WARNING

Injuries can be caused by invisible laser radiation if the housing of the CD player is opened.

- Have the CD player repaired only by a specialist.

! Note

Improper insertion or insertion of a improperly fitting memory card can damage the locking mechanism in the memory card slot!

- Pay attention to the proper insertion position ⇒ page 21.
- Excessive pressure can break the locking the memory card slot locking mechanism.
- Only use suitable memory cards ⇒ page 21.

! Note

- Always insert and remove CDs into the slot straight, perpendicular to the front of the device, without tilting and scratching them ⇒ page 24. ▶



 Note (continued)

- Inserting a second CD while a CD is in the drive or being ejected from it can destroy the CD drive. Always wait for the CD ejection to finish!

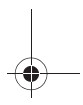
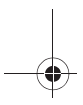
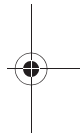
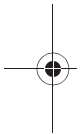
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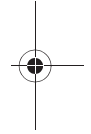
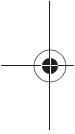
Contaminants on a disc and warped discs can damage the CD drive.

- Only use clean, standard 12 centimeter CDs!

 Note (continued)

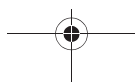
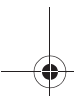
- Do not affix labels or similar items to CDs. Labels can become loose and damage the drive.
- Do not insert 8 centimeter single CDs or non-circular CDs (shape CDs).
- Do not insert DVD-Plus, Dual Discs and Flip Discs, as these are thicker than standard CDs. ◀



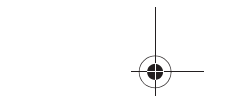


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Introduction



4 | 5



Device overview

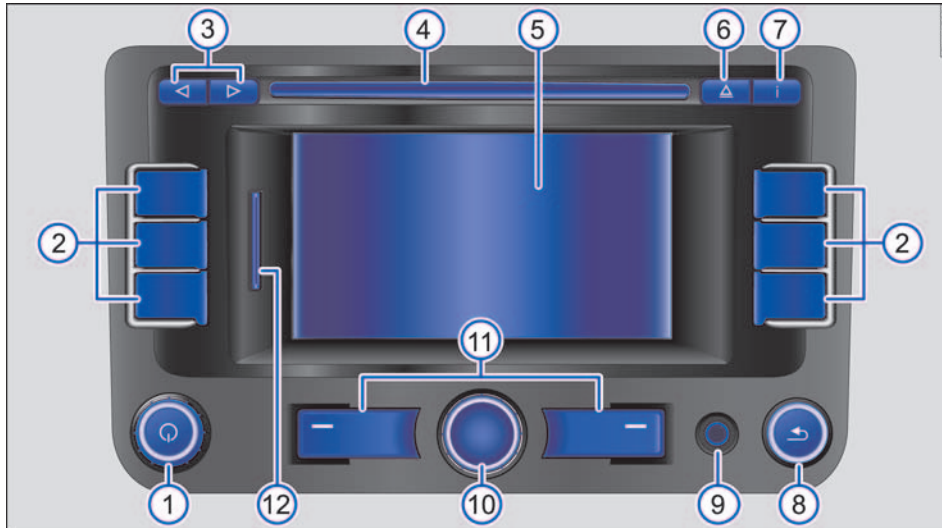
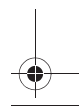
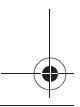
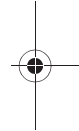


Fig. 1 Overview of the controls.

- ① Rotary and push button.
 - Press to switch on or off ⇒ page 8.
 - Turn to adjust the volume ⇒ page 8.
- ② Press to open a function area. Labeling and functions depend on the specific device.
 - **RADIO** or **BAND**: Switch to Radio mode and change frequencies ⇒ page 12.
 - **MEDIA**: Switch to Media mode ⇒ page 21.
 - **PHONE**: Start Telephone mode ⇒ page 58. **OR**: Mute the audio source if a mobile phone package has not been installed ⇒ page 8.
 - **NAV**: Open *Navigation* main menu ⇒ page 37.
 - **SETUP**: Opens sound or system settings and a context-based setup menu for the selected device mode ⇒ page 67.
 - **MUTE**: Mute the device ⇒ page 8.
- ③ **◀** and **▶** **arrow buttons** always work for the active audio source, regardless of the menu being displayed.
 - To change the station or channel in **all Radio modes**, *briefly press* (and, if necessary, pay attention to **◀★▶** the display) ⇒ page 12.
 - To change the chapter or track in **Media mode**, *briefly press* or *hold* to rewind or fast forward ⇒ page 21.
- ④ CD slot ⇒ page 21.
- ⑤ Touch screen ⇒ page 8.
- ⑥ CD eject button ⇒ page 21.
- ⑦ Press the Info button to display additional menu-related information:
 - Display additional track information (location) in **Media mode** ⇒ page 21.
 - Show the current vehicle position and/or destination during **Navigation** ⇒ page 37.
- ⑧ Press **Return** in order to close menus and pop-up windows.



- ⑨ **AUX IN socket** to connect an external audio source ⇒ page 21.
- ⑩ **Adjustment knob:** Function depends on the current operating mode.
 - **Turn** in *all Radio modes* ⇒ page 12 to manually set channel or frequency settings.
 - In **Media mode**, *turn* to change title manually and *press* to start and stop scanning (SCAN) ⇒ page 21.
 - **Turn** to change the *map scale* ⇒ page 49.
 - **Press** to repeat a navigation instruction during *route guidance* ⇒ page 49.
- ⑪ **Function buttons:** The current function is displayed on the screen via the respective function button. ⇒ page 8.
- ⑫ **Memory card slot** ⇒ page 21. ◀



Basic operating instructions

Introduction

In this section you'll find information on the following:

Switching on or off	8
Changing the default volume	9
Additional displays and options	9
Function buttons and device buttons	10
Browsing lists and selecting items	11

When settings are changed, the device characteristics might be different from what is described in this manual. Therefore Volkswagen recommends that you reset the device to the its **Factory settings** prior to first use ⇒ page 67.

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Multi-function steering wheel to change tracks or stations ⇒ Booklet *Owner's manual*, chapter *Vehicle overview*

 A light keystroke or tap on the touch screen is sufficient to operate the device.

 Never hold a button for longer than 10 minutes. Otherwise, the device will interpret this as a malfunction (*jammed key*).

 Due to country-specific legal requirements, some functions are not selectable on the screen above a certain driving speed.

 Operating a mobile phone in the vehicle can cause noise in the speakers.

 In some vehicles with park distance control, the volume of the current audio source is automatically reduced when shifting into reverse.

 Some countries may have restrictions regarding the use of Bluetooth devices. Information can be obtained from the local authorities. 

Switching on or off

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 8.

Press the rotary and press button  ⇒ page 6, [fig. 1](#)  to switch the device on or off manually.

After being switched on, the system will resume play of the most recently used audio source.

When the motor is turned off, the device will switch itself off automatically after about 30 minutes (timeout).

Anti-theft coding

The anti-theft code number remains stored in the vehicle after initial input (convenience radio coding). Only if the device is installed in a different vehicle does the anti-theft coding have to be cancelled manually. When the device is switched on, a keypad pops up requesting the code. Please contact your Volkswagen dealer in this case.

If the vehicle battery has been disconnected, please switch on the ignition before switching the device back on. 

Changing the default volume

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 8.

Function	Operation
Increase volume.	Turn the volume control  $\Rightarrow$ page 6, fig. 1 to the right or press the  button on the multi-function steering wheel $\Rightarrow$ Booklet <i>Owner's manual</i> , chapter <i>vehicle overview</i> .
Reduce volume.	Turn the volume control  to the left or press the  button on the multi-function steering wheel.

Volume adjustments are indicated on the screen by a "bar". Meanwhile, device operation is blocked.

The device is muted by pressing "0" (Display: ) and the current media source is stopped.

Alternatively, the [MUTE](#) $\Rightarrow$ page 6, [fig. 1](#)  button can be pressed to mute or unmute the device. The [PHONE](#) button serves the same purpose in vehicles which have not been fitted with a mobile phone package.

Some volume settings and adjustments can be preset $\Rightarrow$ page 67.

WARNING

Operating the radio navigation system while driving can distract from traffic and lead to accidents.

- Always drive attentively and responsibly.

WARNING (continued)

- Set volume settings to levels that ensure that acoustic signals from outside the vehicle are audible at all times (for example, the sirens of emergency rescue vehicles).
- Excessively high volume settings may lead to hearing loss. This can also extend to short exposure of the ears to loud volumes.

Note

Excessively loud or distorted playback can damage the vehicle speakers.

 Where the default volume for the playback of an audio source has been increased significantly (for example due to playback of a very quiet external audio source), be sure to reduce the volume again before changing audio sources. 

Additional displays and options

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 8.

Displays on the screen may vary or be different from the displays described here, depending on the settings.

All displays can be shown only after a complete system start of the radio navigation system.

Depending on the vehicle, adjustments of air conditioning settings or displays regarding factory-installed driver assistance systems are temporarily shown on the screen. The displays are automatically closed when they are no longer required. 

Function buttons and device buttons

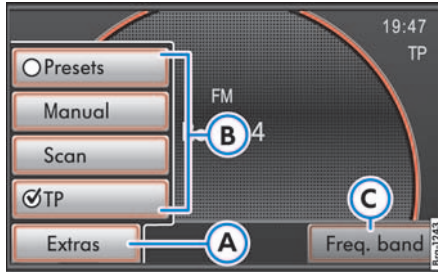


Fig. 2 RADIO main menu with pop-up window.

Please first read and observe the safety instructions on page 3 and the introductory information on page 8.

The device is equipped with a touch screen.

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

Controls

- Rotary and push buttons.
- Labeled **device buttons**.
- **Function buttons** on the device.
- **Function buttons** shown on the screen.

Rotary and push buttons

The left rotary and push button $\Rightarrow$ page 6, [fig. 1 ①](#) is designated Volume control or On-Off switch.

The center rotary and push button $\Rightarrow$ page 6, [fig. 1 ⑩](#) is designated Tuning knob.

Device buttons

Buttons on the device are identified in this manual as “buttons” and are represented as a symbol with blue content for example [\[RADIO\]](#) button.

Underneath the screen are two unlabeled device buttons $\Rightarrow$ page 6, [fig. 1 ⑪](#). Operation and function correspond to the respective function buttons $\Rightarrow$ [fig. 2 ①](#) and [②](#) shown at the top of the screen.

Device buttons are operated by *pressing* or *holding*.

Function buttons on the screen

Active areas of the screen which represent a function are labeled as “function buttons” and are operated by a brief *press* on the screen or *holding*. Function buttons are described in the manual as “function button” and with the button symbol.

A function button that is grayed-out cannot be selected, e.g. .

Pop-up window

A “pop-up window” is a small window [②](#) that appears for a short time prior to the current menu and contains additional function buttons.

A function button in a pop-up window can be accessed by pressing it. The pop-up window then closes.

Press the button in order to close the pop-up window without a change.

Launching or activating functions using the “checkboxes”

Some functions are started or stopped by pressing the related button, for example the Scan function $\Rightarrow$ page 14.

Other functions or displays are permanently activated or deactivated and are marked with a checkbox.

A check mark in a checkbox indicates that the function is activated, an empty checkbox , that it is deactivated.

Functions activated via checkboxes can only be deactivated by opening the pop-up window again and deactivating the checkbox.

Selecting function buttons via the tuning knob

With the exception of the two lower function buttons [①](#) and [②](#), function buttons that are shown in the display can also be selected by turning the tuning knob $\Rightarrow$ page 6, [fig. 1 ⑩](#). Pressing accesses the respective function button $\Rightarrow$ page 11.

Browsing lists and selecting items

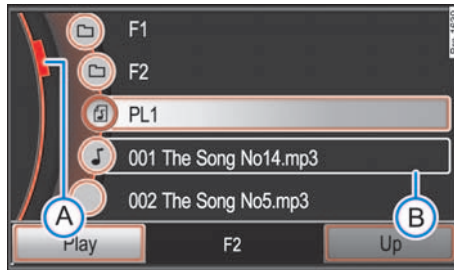


Fig. 3 Track list of an MP3 CD.

Please first read and observe the safety instructions  on page 3 and the introductory information on page 8.

Available stations and selectable tracks are displayed as items in lists. The current station or track is highlighted $\Rightarrow$ fig. 3.

List items are accessed by pressing, the same way as function buttons.

Tagging and accessing list items (tuning knob)

- *Select list items:* Move the selecting frame using the tuning knob $\Rightarrow$ page 6, fig. 1 .

When the selection frame is moved to the end of the displayed list segments, the next items will be displayed.

- *Launch marked list items:* Press the tuning knob.

Rapid list browsing (scroll marker)

If more items are selectable than can be displayed, a "scroll bar" is shown on the left side of the screen.

The colored semi-circle indicates the scope of the complete list and the "scroll marker" $\Rightarrow$ fig. 3  indicates the position of the displayed list segments. The size of the scroll marker corresponds to the size of the displayed list segment proportional to the size of the complete list. The smaller the scroll marker, the longer the list.

- *Browse long lists page-by-page:* Press the screen briefly above or below the scroll marker.
- *Browse long lists quickly:* Manually move the scroll marker. To do this, place a finger on the scroll marker and move downward over the screen *without removing it*. When the desired position is reached, lift the finger from the screen.

Closing lists and sub-menus

Operation: Effects

Press the  button.

Closes an open pop-up window.

OR: Moves up one menu all the way to the Main menu.

OR: Undoes navigation address entries step by step. 

Audio mode

Radio mode

Introduction

In this section you'll find information on the following:

Opening the RADIO main menu	12
Changing frequency bands	13
Changing radio stations or selecting from the FM station list	13
Automatic scan/tune	14
Manually selecting a station frequency	14
Displaying and hiding station preset buttons and storing stations	15
Accessing stations stored on station preset buttons	16
Satellite radio mode (SAT)	16
Satellite radio main menu	17

Changing Sirius stations	18
Selecting stations from a particular category	19
Radio settings menu (SETUP)	20

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6

 Parking garages, tunnels, high buildings or mountains can interfere with the radio signal.

 Decals or metal-coated stickers on the vehicle windows can affect radio reception in vehicles with window antennas. 

Opening the RADIO main menu



Fig. 4 RADIO main menu with displayed station preset buttons.

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 12.

- Press the **RADIO** button.

The radio station currently playing is displayed in the center of the screen.

The “Station button” display can be switched on and off in the *RADIO* ⇒ [fig. 4](#) main menu ⇒ page 15.



Fig. 5 RADIO main menu without station preset buttons.

Displaying radio station names (RDS)

If RDS is available and the reception is good enough, the name of the radio station may be displayed (in [fig. 5: Radio 2](#)).

RDS (Radio Data System) is a radio data service which is not supported by all devices and may not be accessible everywhere or for every station. 

Changing frequency bands

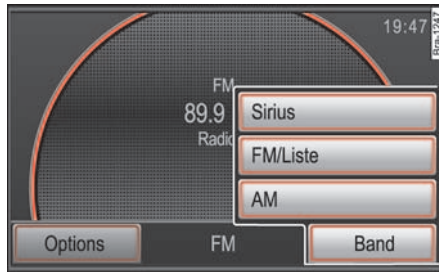


Fig. 6 RADIO main menu: Frequency function button.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

The currently selected frequency band (FM or AM) is indicated above the station name and in the bottom screen line.

Changing the frequency band

- Press the **RADIO** button in the *RADIO* main menu.
- **OR:** Press the **Band** function button and select the frequency band by pressing a function button ⇒ [fig. 6](#).

Changing radio stations or selecting from the FM station list



Fig. 7 Station List: The current station is highlighted.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

Changing the radio station using the arrow button or .

- Briefly press the arrow button or .

Depending on the the arrow button settings, ⇒ page 20 will only allow you to change between saved stations (Display: in ⇒ page 16, [fig. 13](#)).

Opening the FM station list

In the FM station list, all FM radio stations with strong reception are stored automatically. These can be accessed sequentially or can be selected directly from the FM station list.

- Change to the FM frequency band ⇒ page 13.
- Press the **Freq. band** function button and press the **FM/List** function button in the pop-up window ⇒ [fig. 6](#).
- **ORDER:** If the display of the **station buttons** is **deactivated** ⇒ page 15, you can go directly to the station list using the tuning knob ⇒ page 6, [fig. 1](#) .

After one minute of inactivity, the FM station list display is closed. The FM station list is automatically updated.

No station list is available for the AM frequency band.

Selecting stations from the FM station list

- Open the FM station list.
- Tag stations one after another by rotating the tuning knob. Access tagged stations by pressing the knob ⇒ page 8.
- **OR:** Move the scroll marker in order to search the list and press the desired station on the screen ⇒ page 8.
- To save the tagged station, press the station preset button and then press the **Save** ⇒ [fig. 7](#) function button ⇒ page 15.
- Press the button in order to close the FM station list.

Automatic scan/tune

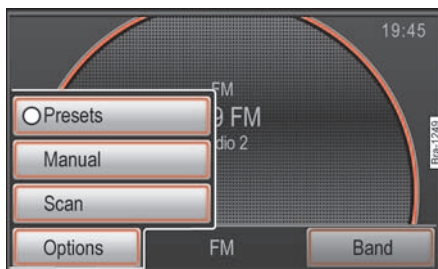


Fig. 8 RADIO main menu: Extras function button.



Fig. 9 RADIO main menu with station scanning function.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

When station scanning is running, all stations of the current frequency band which can be received are played for about 5 seconds each.

Starting and stopping station scanning

- Open the **RADIO** main menu and select the frequency band $\Rightarrow$ page 13.

- Press the **[Extras]** function button.
- Press the **[Scan]** function button in the pop-up window $\Rightarrow$ fig. 8.
- Station scanning starts and the **[Extras]** function button switches to **[Scan]** $\Rightarrow$ fig. 9.
- Press the **[Scan]** function button or press the tuning knob $\Rightarrow$ page 6, fig. 1 in order to stop station scanning at the current station.

Station scanning is also stopped if a station is manually selected via the arrow or station buttons, .

Manually selecting a station frequency



Fig. 10 Select radio stations manually.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

- Open the **RADIO** main menu and select the frequency band $\Rightarrow$ page 13.
- Press the **[Extras]** function button.
- Press the **[Manual]** function button in the pop-up window $\Rightarrow$ fig. 8.

- The frequency of the selected station is indicated and the **[Extras]** function button switches to **[Manual]** $\Rightarrow$ fig. 10.
- **Change the frequency incrementally:** Turn the tuning knob $\Rightarrow$ page 6, fig. 1 .
- **Rapid scan of the frequency band:** Keep the arrow button pressed. After releasing the button, the next receivable radio station is automatically set.
- Press the **[Manual]** function button in order to end manual frequency selection.

After about 10 seconds of inactivity, manual frequency selection stops automatically.

Manual frequency selection is also stopped if a station is selected via a station preset button or the display is changed to the FM station list.

For RDS-capable stations, the station name is displayed underneath the frequency $\Rightarrow$ fig. 10 (Radio 2). .

Displaying and hiding station preset buttons and storing stations

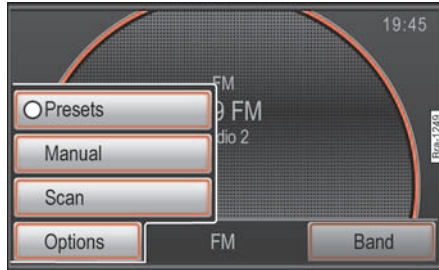


Fig. 11 RADIO main menu: Extras function button.

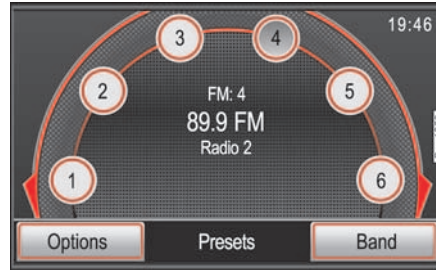


Fig. 12 RADIO main menu with display of the station preset buttons.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

Radio stations can be assigned numbered function buttons in the *RADIO* main menu $\Rightarrow$ fig. 12. These function buttons are called “station preset buttons”. Station preset buttons can be shown or hidden.

Showing and hiding station preset buttons

- In the *RADIO* main menu, press the **Extras** function button $\Rightarrow$ fig. 11.
- Activate and deactivate the checkbox in the **Presets** function button in order to display or hide the station preset buttons.
- If the checkbox is activated , six station preset buttons are displayed in the *RADIO* main menu $\Rightarrow$ fig. 12.
- Turn the tuning knob $\Rightarrow$ page 6, fig. 1 in order to tag the station preset buttons one after the other. If the first or last station preset button displayed is tagged and the tuning knob is turned further, the next six station preset buttons will be displayed.

If .

Storing stations to station preset buttons

Storing a station on a station preset button overwrites the previously saved station.

- Show station preset buttons and select a station.
- Press the desired station preset button until a signal tone sounds.
- The station currently being heard is saved on this station preset button $\Rightarrow$ page 16, fig. 13.
- **OR:** Tag a station preset button by *turning* the tuning knob and pressing the tuning knob until a signal tone sounds.

Alternatively, stations can be saved exclusively by using the tuning knob.

- *Hold* the tuning knob until the next free station preset button is automatically offered for the current station.
- *Turn* the tuning knob to select another station preset button.
- *Briefly press* the tuning knob to save the station.

Stations can also be saved via the station list view $\Rightarrow$ page 13.

All stations stored on station preset buttons can be deleted individually or collectively $\Rightarrow$ page 20.

If the station preset buttons are usually **not** used for station selection, Volkswagen recommends hiding them. It is then possible to switch to the station list directly by rotating the tuning knob. $\Rightarrow$ page 13.

Accessing stations stored on station preset buttons



Fig. 13 RADIO main menu with display of the station preset buttons.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

- Open the *RADIO* main menu and display station preset buttons if necessary $\Rightarrow$ page 15.

- Turn the tuning knob $\Rightarrow$ page 6, [fig. 1 ⑩](#) in order to tag the station preset buttons one after the other. The station stored on the respective station preset button is displayed.
- Press the tuning knob to access the displayed station.
- **OR:** Briefly press the displayed station preset button on the screen to directly access the stored station.
- **OR:** If $\langle \star \rangle$ is displayed $\Rightarrow$ [fig. 13](#), all stations can be accessed with the arrow buttons and browsed $\Rightarrow$ page 20.

A stored station can only then be played if it can still be received at the current location.

Satellite radio mode (SAT)

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

A wide variety of audio programs from various categories (music, news, sports, entertainment, etc.) can be accessed in the US and Canada via satellite radio.

Satellite radio is subject to fees and requires activation by providing the device-specific SIRIUS ID over the phone or via the Internet prior to use.

Displaying the SIRIUS ID

- In Radio mode, press the button $\Rightarrow$ page 6, [fig. 1 ②](#).

- Press the function button.

The SIRIUS ID for the activation of audio services, as well as the necessary web address or phone number needed for activation are displayed in a pop-up window.

Different packages can be ordered. Please ask your Volkswagen dealer for more information about Satellite radio mode, or refer to the web address displayed.

- Press the function button to close the pop-up window.

The Sirius ID is displayed on channel 0.

Satellite radio main menu



Fig. 14 Satellite radio main menu.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

- In the main menu press the **RADIO** button and **BAND** quickly one after the other in order to view all available frequency bands.
- **OR:** Press the **BAND** function button, then press the **Sirius** function button in the pop-up window => fig. 14.

The most recent station will be played, if it is still receivable on the channel in question.

Information regarding the selected station (type of station, station name and channel number) is displayed in the *Satellite radio* main menu, with information regarding the current program also displayed (in fig. 14: Track, Artist and Album Name).

Service display on the screen

Display: Meaning

Channel Update: Updates the Sirius program structure. Satellite radio reception is not necessary for the duration of the update. After this, some stations may broadcast on a different channel.

Invalid: Station is no longer available on the saved or manually configured channel.

Unsubscribed: Station is not included in the current subscription or the subscription has expired.

LINKING: There is currently no satellite radio reception, for example, due to location under a thick canopy of leaves or in an underground garage.

ANTENNA: Antenna malfunction. Please contact a Volkswagen dealer .

The method for storing and accessing preset stations is the same as in Radio mode => page 12.

The Satellite radio provider is responsible for the content of the broadcasts.

Changing Sirius stations

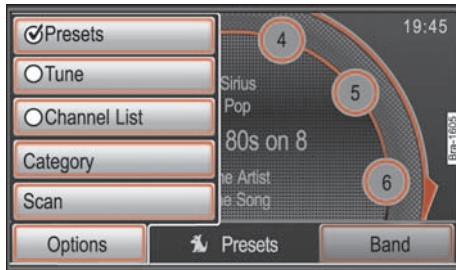


Fig. 15 Station selection options.

Please first read and observe the safety instructions on page 3 and the introductory information on page 12.

Changing stations using the arrow buttons

- Press one of the arrow buttons on the device $\Rightarrow$ page 6, [fig. 1 ③](#) to switch to the next station in the selected category.

If $\langle \star \rangle$ is displayed, only the stations saved on the station preset buttons are browsed through $\Rightarrow$ page 15.

Configuring station selection options

- Press the **[Options]** function button in the *Satellite radio* main menu $\Rightarrow$ [fig. 15](#).
- Activate the **[Presets]** function button in the pop-up window to show the station buttons in the *Satellite radio* main menu $\Rightarrow$ page 15.
- OR: Activate the checkbox in the **[Tune]** function button to browse through the channels using the tuning knob $\Rightarrow$ page 6, [fig. 1 ⑩](#).
- OR: Activate the checkbox in the **[Channel List]** function button to open the station list view with the tuning knob and open stations there.

Selecting satellite stations from the station list

All the activated stations in the chosen category are displayed in the station list.



Fig. 16 Station list in the selected category.

- Turn the tuning knob to open the list of available satellite stations in the selected category $\Rightarrow$ [fig. 16](#).
- Change category if required $\Rightarrow$ page 19.
- Browse list and launch the desired station by turning the tuning knob to select, then pressing it $\Rightarrow$ page 8.
- Press the **[Exit]** $\Rightarrow$ page 6, [fig. 1 ⑧](#) button to close the station list.

The list will close automatically after a period of inactivity.

SCAN

- Press the **[Options]** function button in the *Satellite radio* main menu $\Rightarrow$ [fig. 15](#).
- Press the **[Scan]** function button in the pop-up window.

The **[Options]** function button switches to **[Scan]**. All stations are played for about 5 seconds each.

- Press the **[Scan]** function button in order to stop station scanning at the current station.

Scanning will also be stopped if a station is selected manually using the arrow or station buttons.

Selecting stations from a particular category

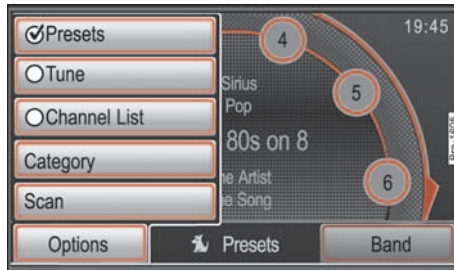


Fig. 17 Station selection options.



Fig. 18 Select a category.

Please first read and observe the safety instructions  on page 3 and the introductory information on page 12.

- Press the **[Options]** function button in the *Satellite radio* main menu and press the **[Categories]** function button in the in the pop-up window ⇒ [fig. 17](#).
- **OR:** Press **[Categories]** function button in the station list view ⇒ page 18, [fig. 16](#)

Opens the list of available categories ⇒ [fig. 18](#).

- Open the desired category by marking it (by turning the tuning knob) and selecting it (by pressing the knob) ⇒ page 8

The station list corresponding to the chosen category will be opened. Only the stations in the selected category will be displayed.

If **[All Categories]** is selected, stations of all categories will be displayed ⇒ page 18, [fig. 16](#).

- Access stations as described ⇒ page 18.
- Press the  button to close a list.

The list view will close automatically after a period of inactivity. 

Radio settings menu (SETUP)



Please first read and observe the safety instructions  on page 3 and the introductory information on page 12.

In the *RADIO* main menu, press the **SETUP** button in order to open the **Radio Settings menu**.

Function button: Effect

▶ Arrow buttons: Define station selection for arrow buttons  and .

[Station List]: All stations within reach in the selected frequency band can be browsed using the arrow buttons ⇒ page 13.

[Presets]: **Only the** stored stations can be browsed using the arrow buttons ⇒ page 16 (Display: <★> ⇒ page 16, [fig. 13](#)).

[Deleting Sirius Presets]^{a)}, **[Delete FM Presets]**, **[Delete AM Presets]**: Delete stations for a frequency band Stored on the station preset buttons.

[All]: All stored stations in the frequency band are deleted.

[Single]: *Turn* the frequency knob ⇒ page 6, [fig. 1 10](#), to display the stored stations one after the other, and *press* to delete the displayed station.

[Sirius ID]^{a)}: Shows the Sirius Audio ID as well as the web site and phone number for activation ⇒ page 16.

Press the  button to cancel ⇒ page 6, [fig. 1 8](#).

^{a)} For devices with SIRIUS satellite radio tuners.

Media mode

Introduction

In this section you'll find information on the following:

Requirements for media sources and audio files ..	21
Playback sequence of files and folders	22
MEDIA main menu	23
Inserting or ejecting a CD	24
Inserting or removing a memory card	24
External audio sources: (AUX-IN) input	25
Connecting external audio sources via Bluetooth® ..	26
Selecting a media source	27
Manual track change	28
Changing playback mode (function key)	29
Media settings menu (SETUP)	30

In the following text, audio sources which contain audio files on different data media (CDs, SD memory cards, external MP3 players, etc.) are referred to as "**media sources**". These audio files can be played back via the related drives or audio in-

puts of the radio navigation system (internal CD drive, external CD changer, SD memory card slot, AUX-IN socket, etc.).

In the following, the listed playable data formats are referred to as "audio files". A CD containing such audio files are referred to as an "audio data CD".

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Multimedia interface ⇒ page 31
- External CD changer ⇒ page 34

WARNING

Connecting or inserting data media while driving can distract from traffic and lead to accidents. 

Requirements for media sources and audio files

 Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 21.

Factory-installed CD players comply with the safety class 1 according to DIN IEC 76 (CO) 6/ VDE 0837.

Only 12 cm standard CDs and memory cards with physical dimensions of 32 mm x 24 mm x 2.1 mm or 1.4 mm should be inserted into the device.

Media source	Requirements for playback
 Audio CDs with the CD Digital Audio trademark  .	– Digital audio specification.
 CD-ROM, CD-R, CD-RW audio data CD up to maximum 700 MB (megabyte) according to ISO 9660 or in the Joliet data system.	MP3 files (.mp3) with bit rates from 48 to 320 kbit/s or variable bit rate. WMA files (.wma) up to 9.2 mono/stereo without copy protection. Play lists in PLS, M3U and WPL formats. File name and file path not longer than 256 characters. Directory structures with maximum eight levels. On MP3 CDs maximum 50 folders and maximum 500 files. On memory cards maximum 5000 folders and maximum 15000 files, per folder maximum 6000 files. 
 SD and MMC memory cards up to maximum 2 GB (gigabyte) and SDHC memory cards up to maximum 32 GB.	

Media source	Requirements for playback
® Audio file playback via Bluetooth® ^{a)} .	– External audio source must support the A2DP Bluetooth profile and must be linked to a factory-installed mobile phone package that supports this function .
AUX. External audio source.	– 3.5 mm jack plug connectable for audio output ⇒ page 6, fig. 1 9).
MDI. External medium.	– Compatible with MEDIA-IN multimedia interface ⇒ page 31.

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

Limitations and instructions

Dirt, high temperatures and mechanical damage can render a data medium unusable. Please observe data medium manufacturer information.

Quality differences between data media of different manufacturers can cause problems during playback.

Observe all legal requirements regarding copyrights!

CDs will not be played if they were recorded in UDF or direct CD format. Under Windows Vista® pay attention to the format.

The data medium configuration or the devices or programs used for recording can cause individual

tracks or data media to be unreadable. Information regarding best practices while creating audio files and data media (compression rate, ID3 tag, etc.) can be found on the Internet.

Due to the larger data volume, reading of data media with compressed audio files (MP3, WMA, etc.) takes longer than reading “normal” audio CDs. Complex folder structures can also delay the reading process.

Play lists only define a certain playback sequence. Play lists do *not* save any files. Playlists *cannot* be played if the files on the data medium are *not* saved in the location to which the playlist is referring (relative data path). ◀

Playback sequence of files and folders

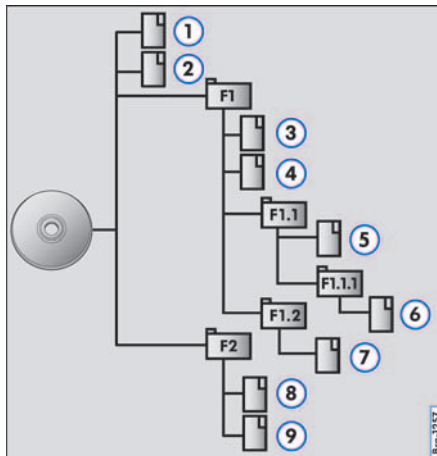


Fig. 19 Possible structure of an audio data CD.



Please first read and observe the safety instructions ⚠ on page 3 and the introductory information and safety instructions ⚠ on page 21.

On a data medium, audio files [📄] are often sorted via data folders [📁] and playlists [📋] in order to define a certain playback sequence.

On the data medium, tracks, folders and playlists are sorted in numerical and alphabetical order by name.

Figure ⇒ fig. 19 shows an example of a typical audio data CD containing tracks [📄], folders [📁] and subfolders.

The tracks are played back as follows:

1. Track ① and ② in the CD root folder.
2. Track ③ and ④ in the **first** folder F1 in the root folder of the CD.
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. Track ⑧ and ⑨ in the **second** folder F2

Play lists ④ are treated like folders in the playback sequence. ◀

MEDIA main menu



Fig. 20 MEDIA main menu: Audio CD track display.



Fig. 21 MEDIA main menu: Audio data CD track display.



Please first read and observe the safety instructions ⚠ on page 3 and the introductory information and safety instructions ⚠ on page 21.

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

- Press the **MEDIA** button.

The last media source played will resume playing.

In the *MEDIA* main menu, the current media source is indicated in the center of the bottom line on the screen.

If no media source can be selected, you cannot open the *MEDIA* main menu.

Displaying track information

In the center of the screen, the **track** and track number are displayed by default, according to the sequence on the data medium ⇒ fig. 20.

For audio files also containing track information (CD text, ID3 tag for MP3 files), the **track name** is displayed in the center, under the **artist name** and above the **album name** ⇒ fig. 21.

If you press the ① ⇒ page 6, fig. 1 ⑦ button, further track information (such as the file path) will be displayed.

At the bottom left and right of the screen, the runtime and remaining runtime of the track are displayed in minutes and seconds. For files with variable bitrate (**VBR**) the remaining time cannot be displayed. ◀

Inserting or ejecting a CD



Fig. 22 MEDIA main menu: CD media source.

Please first read and observe the safety instructions on page 3 and the introductory information and safety instructions on page 21.

The internal CD drive can play audio CDs as well as MP3 CDs.

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

Inserting a CD

- Insert the CD with the label side up.
- Insert a CD into the CD slot $\Rightarrow$ page 6, fig. 1 only until it is pulled in automatically.
- Playback starts automatically after insertion.

Ejecting a CD

For convertibles, the ignition key must be in the ignition lock in order to eject the CD (anti-theft protection).

- Press the button.
- The CD in the CD player is moved to eject position and must be removed within approximately 10 seconds.

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

CD not readable

If an inserted CD cannot be read, a pop-up window with a related message is displayed.

Depending on the device, an unreadable CD may be automatically ejected and pulled in again three times to allow another three read attempts before the pop-up message is displayed.

- Press the function button to confirm the message and eject the CD.

If the CD is not removed within 10 seconds, it will be pulled in again but CD mode will not start. The function button in the *Media selection menu* will remain inactive $\Rightarrow$ page 27. The CD must be removed manually.

The playback can skip on poor roads or during severe vibration.

If the device's internal temperature is too high, CDs will no longer be accepted or played.

If after inserting different CDs **CD drive malfunction** is displayed, contact an authorized dealership.

Inserting or removing a memory card

Please first read and observe the safety instructions on page 3 and the introductory information and safety instructions on page 21.

In the *MEDIA* main menu only playable audio files are displayed and played. Other files are ignored.

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

Inserting a memory card

If a memory card cannot be inserted, check the insertion position and memory card.

- Insert compatible memory cards with the cut corner first and pointing upward into the memory card slot $\Rightarrow$ page 6, fig. 1 until it engages.
- Playback starts automatically if readable audio files are stored on the memory card.

Manually removing a memory card

- Press on the inserted memory card. The memory card will "pop out" into removal position.
- Remove the memory card.

Memory card not readable

If a memory card is inserted which does not contain readable audio files, then memory card mode is **not** activated after loading.

If an inserted memory card cannot be read, a pop-up window with a related message is opened.

- Press the **[OK]** function button and wait for the prompt to eject the memory card!

When a memory card which does not contain any audio files is inserted, the **[OK]** function button in the *Media selection menu* will remain inactive ⇒ page 27.

Memory cards must be removed manually. ◀

External audio sources: (AUX-IN) input



Fig. 23 External audio source connected to the AUX-IN multimedia socket.



Please first read and observe the safety instructions ⚠ on page 3 and the introductory information and safety instructions ⚠ on page 21.

The AUX-IN ⇒ page 6, **fig. 1** ⑨ multimedia socket only works with a 3.5 mm jack plug.

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

A connected external audio source is indicated by **AUX** on the screen.

Connecting an external audio source to the AUX-IN multimedia socket

- Reduce playback volume on the radio navigation system ⇒ page 8.
- Connect an external audio source to the AUX-IN multimedia socket.
- Start playback on the external audio source.
- In the *RADIO* main menu, press the **[MEDIA]** button in order to open the *Media selection menu* ⇒ page 27, **fig. 27**.
- Press the **[AUX]** function button to start playback of an external audio source through the vehicle speakers ⇒ page 27.

The **volume** should be adjusted to match the volume of the other audio sources ⇒ page 30.

Operating an external audio source via the AUX-IN multimedia socket

Operation	Effect
Selection of a different audio source on the radio navigation system.	External audio source continues in the background.
Stop playback of the external audio source.	The radio navigation system remains in the AUX menu.
Remove the the jack from the AUX-IN socket.	The radio navigation system switches to playback of the last played media source.



If the external audio source is powered by the 12 volt outlet of the vehicle, interference is possible.



Read and follow the instructions for use of the external audio source manufacturer. ◀

Connecting external audio sources via Bluetooth®



Fig. 24 Bluetooth audio mode.

Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 21.

Bluetooth audio mode is only possible in vehicles equipped with a factory-installed mobile phone package that supports this function. To operate a mobile telephone package, please refer to the user's manual of the mobile telephone package installed in your vehicle.

In Bluetooth audio mode, audio files that are played through an audio source connected via Bluetooth® can be played through the vehicle speakers. The external audio source must support the A2DP Bluetooth profile.

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

Starting Bluetooth audio transmission

- Pair or connect the external audio source following the instructions in the vehicle owner's manual via the Bluetooth interface of the mobile phone package.
- Reduce playback volume on the radio navigation system $\Rightarrow$ page 8.
- Start playback on the external Bluetooth audio source.

Some devices allow Bluetooth audio playback to be started directly through the *Media selection menu* $\Rightarrow$ page 26.

RNS 310: Activating Bluetooth audio

Some devices only require a one-time activation of Bluetooth audio playback:

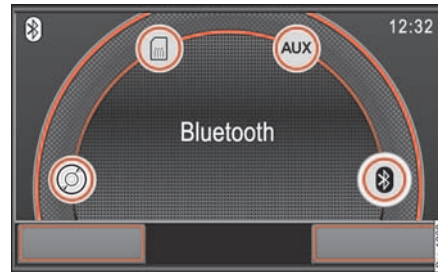


Fig. 25 Media selection menu with BT audio tagged.

- After the initial start-up of a Bluetooth audio transmission, a pop-up window opens.
- Request for confirmation of Bluetooth audio playback.
- The display switches into Bluetooth audio mode $\Rightarrow$ fig. 24 and the checkbox in the *Activate BT audio* function button in the *Media Setup menu* is automatically activated $\Rightarrow$ page 30.

The checkbox in the *Activate BT audio* function button is deactivated in the factory settings.

If the *Activate BT audio* function button in the *Media Settings menu* is activated, the *Media selection menu* will be launched when Bluetooth audio transmission has been started $\Rightarrow$ page 26.

Starting Bluetooth audio playback

- Press the **MEDIA** button in the *MEDIA* main menu to open the *Media selection menu*.
- Select the **Bluetooth** function button, as described $\Rightarrow$ page 27.

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

When the playback of the external audio source is finished, the radio navigation system remains in the **Bluetooth audio** menu $\Rightarrow$ fig. 24. A different audio source must be selected manually $\Rightarrow$ page 27.

 The **volume** should be adjusted to match the volume of the other audio sources $\Rightarrow$ page 30.

 On a connected Bluetooth audio source, all warning and service tones, such as touch tones on a mobile phone, should be switched off to avoid interference and malfunctions. 

Selecting a media source



Fig. 26 MEDIA main menu.

Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 21.

In the *MEDIA* main menu, the current media source is indicated in the center of the bottom line on the screen $\Rightarrow$ fig. 26. Other inserted or connected media sources must be selected via the *Media selection menu*.

Opening the Media selection menu and selecting a media source

- In the *MEDIA* main menu, press the **MEDIA** button. The *Media selection menu* is opened $\Rightarrow$ fig. 27.
- Access the desired media source by pressing the appropriate icon.
- **OR:** Turn the tuning knob $\Rightarrow$ page 6, fig. 1  in order to tag available media sources one after the other, and access these by pressing the tuning knob.
- **OR:** Repeatedly press the **MEDIA** button to browse through available media sources consecutively.
- Press the  button in order to close the pop-up window without making changes.

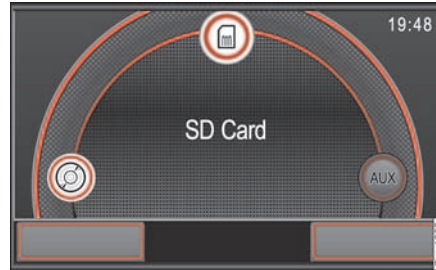


Fig. 27 Media selection menu.

A media source not currently selectable is displayed as inactive, for example the function button **AUX** $\Rightarrow$ fig. 27.

If a previously played media source is selected again, the playback continues at the last played position. *Exception:* Audio source connected to the AUX IN socket $\Rightarrow$ page 25 or in Bluetooth audio mode $\Rightarrow$ page 26.

Selectable media sources in the Media selection menu

Function button: Media source

 **CD:** Internal CD Drive $\Rightarrow$ page 24.

 **SD Card:** Inserted memory card $\Rightarrow$ page 24.

 **AUX:** 3.5 mm multimedia jack in AUX-IN input socket $\Rightarrow$ page 6, fig. 1  $\Rightarrow$ page 25.

 **CD changer:** Additional external CD changer connected $\Rightarrow$ page 34.

 **MDI:** Data medium connected to MEDIA-IN multimedia interface $\Rightarrow$ page 31.

 **BT audio:** Bluetooth audio source connected $\Rightarrow$ page 26. 

Manual track change



Fig. 28 Track list of a playing MP3 CD.

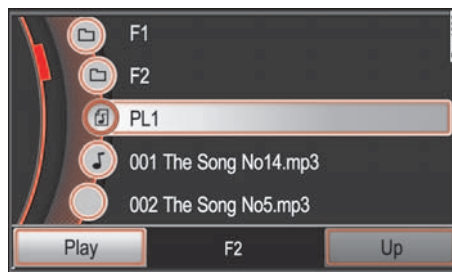


Fig. 29 Highest level of a playing MP3 CD.

Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 21.

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

The tracks of the current media source can be browsed or directly selected from the track list.

Browsing tracks with the arrow buttons

Operation	Effect
Briefly press the arrow button  once.	To the start of the current track.
Briefly press the arrow button  twice.	To the start of the previous track.
Briefly press the arrow button  once.	To the next track.
Hold the arrow button  .	Rewind.
Hold the arrow button  .	Fast forward.

A current audio source which can be controlled via the device can be operated using **any** menu via the arrow buttons on the device.

Opening and searching the track list

- Open the **MEDIA** main menu.
- Press the **[Select]** function button or turn the tuning knob $\Rightarrow$ page 6, [fig. 1](#)  to open the track list. The current track is highlighted $\Rightarrow$ [fig. 28](#).
- Tag tracks one after another by turning the tuning knob and access tagged tracks by pressing the knob.
- **OR:** Move the scroll marker to search the list and press the desired track on the screen $\Rightarrow$ page 8.

Searching the folder structure in MP3 mode

After opening the track list, subfolders  and playlists  can be displayed as well as tracks  $\Rightarrow$ [fig. 29](#). The name of the folder containing the

current track is indicated in the bottom line of the screen (in [fig. 28: F2](#)).

- Press the **[Up]** function button in order to open the next higher folder $\Rightarrow$ [fig. 29](#).
- Press the folder display (e.g. ) in order to select another track  from this folder or to open an additional subfolder .
- **OR:** Turn the tuning knob to select a folder and press the knob to open it. Turn and press the knob to mark and select the track  or subfolder .
- Repeated pressing of the **[Up]** function button switches the folder up to the root of the current media source. In the root folder, the **[Up]** function button is inactive. The current media source is displayed in the bottom line of the screen $\Rightarrow$ [fig. 29](#). 

If a MEDIA-IN multimedia interface is installed and an iPod^{®1)} or iPhone¹⁾ is connected to it, a special iPod selection menu is displayed in the top selection level (root folder) ⇒ page 32, fig. 35.

i Selecting tracks and CDs from an external CD changer ⇒ page 34. ◀

Changing playback mode (Extras function key)



Fig. 30 MEDIA main menu: Extras function button in MP3 mode.



Fig. 31 MEDIA main menu with selected playback mode.

Please first read and observe the safety instructions ⚠ on page 3 and the introductory information and safety instructions ⚠ on page 21.

Depending on settings, **Subfolders** are included in the selected playback mode ⇒ page 30. These settings must be undertaken **prior** to selecting a playback mode.

Starting and ending a playback mode

The playback mode selection depends on the selected media source and the type of audio files played.

- Press the **Extras** function button in the **MEDIA** main menu during playback.

- Select one of the playback modes offered in the pop-up window by turning and pressing the tuning knob ⇒ page 6, fig. 1 ⑩.
- The pop-up window will close. The selected playback mode is displayed in the function button (fig. 31 (Mix all)).
- Brief pressing of this function button ends the playback mode and continues the normal playback of the current track.

Note the playback sequence of files and folders ⇒ page 22

Scanning can be activated or deactivated by pressing the tuning knob ⇒ page 6, fig. 1 ⑩.

Selectable playback modes

Function button: Effect

Scan: The first 10 seconds of each track in the current folder or media source will be played one after the other. The scan will start with the next track.

Mix: The tracks of an audio CD are played back in random order.

Mix folder: The tracks of the current folder are played in random order.

Mix all: The tracks of the current data medium are played in random order.

Repeat track: The current track is repeated.

Repeat CD: At the end of the current audio CD, all of the tracks will be repeated from the beginning. ▶

¹⁾ iPod[®] and iPhone[®] are protected trademarks of Apple Inc.

Function button: Effect

Repeat folder: The tracks of the current folder are repeated at the end.

Random playback and the repeat function stay activated for the respective media source until they are deactivated. 

Media settings menu(SETUP)



Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 21.

In Media mode, press the **SETUP** button in order to open the **Media Setup menu**. The choice of setup

options depends on the device and equipment and other accessories.

Function button: Effect

Scan/Mix/Repeat incl. : subfolders are also affected by the chosen playback mode $\Rightarrow$ page 29. This setting must be configured before making changes to the playback mode.

AUX volume: Adjust the **input volume** of an external audio source connected via the AUX-IN socket $\Rightarrow$ page 6, **fig. 1**  to equalize it with the **playback volume** of other audio sources $\Rightarrow$ page 25.

MDI volume: Adjust the **input volume** of an iPod[®] or an iPhone[®] connected via the MEDIA-IN multi-media interface to equalize it with the **playback volume** of other audio sources $\Rightarrow$ page 31.

Activate BT audio^{a)} or **BT audio autoplay**^{a)}: Audio files stored on an external audio source which is connected to a factory-installed mobile phone package via Bluetooth[®] can be played back via the vehicle speakers $\Rightarrow$ page 26.

BT audio volume^{a)}: Adjust the **input volume** of an external Bluetooth audio source to equalize it with the **playback volume** of the other audio sources.

a) The available functions vary from device to device.

Adjusting the playback volume

Lower the default volume of the radio system before turning up the volume on an external audio source $\Rightarrow$ page 9.

If the connected audio source is played back too softly, increase the **output volume** of the external audio source, if possible. If this is not sufficient, increase the **input volume**.

If the connected external audio source is played back too loudly or the sound is distorted, lower the **output volume** of the external audio source, if pos-

sible. If this is not sufficient, decrease the **input volume**.

WARNING

Excessively high volume settings may lead to hearing loss. This can also extend to short exposure of the ears to loud volumes.

Note

Excessively loud or distorted playback can damage the vehicle speakers. 

MEDIA-IN multimedia interface

Introduction

In this section you'll find information on the following:

Instructions for connecting a data medium	31
Connection and operation	32

Depending on the vehicle, the MEDIA-IN multimedia interface is located either in the passenger side storage compartment or in the center armrest between the front seats.

The playable file formats listed below are referred to collectively as "audio files".

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

In this manual, USB mass storage devices are referred to as external data media and contain playable audio files, such as MP3 player, iPod® and USB sticks. External media are displayed as **MDI** (Media Device Interface) on the radio system.

The MEDIA-IN multimedia interface provides an output of 5 volts, commonly used by USB devices.

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Media mode ⇒ page 21

 The rubber insert in the storage compartment next to the MEDIA-IN multimedia interface can be removed. 

Instructions for connecting a data medium



Fig. 32 MEDIA-IN multimedia interface.

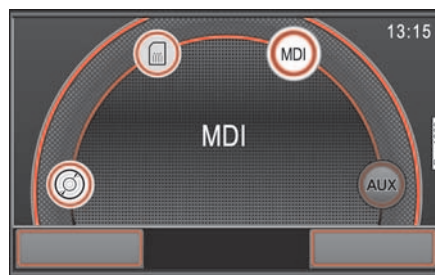


Fig. 33 Selection menu of the available media sources with external media source (MDI).

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 31.

Adapter for connecting a data medium

An external data medium must be connected to the MEDIA-IN multimedia interface using an adapter.

An adapter is included with the vehicle. Additional adapters can be obtained from a Volkswagen dealer.

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

Instructions and requirements

Connectable data media

Data media specified according to USB 2.0.
Data media using the FAT file system FAT16 (< 2 GB) or FAT32 (> 2 GB).

iPods® and iPhones® of different generations^{a)}.

MTP players with the "PlaysForSure" or "ReadyForVista" logo.

Read and follow the operational instructions of the external data medium.

^{a)} iPod® and iPhone® are protected trademarks of Apple Inc.

Readable data and formats

– Audio files in MP3, WMA, OGG Vorbis and AAC format.

– Playlists in PLS, B4S, ASX and WPL formats.

Instructions and restrictions

The radio navigation system can display, play back and control readable audio files only via the MEDIA-IN multimedia interface.

Depending on battery status and data volume, it can take MTP players several minutes until they are ready to play.

With data media subdivided into several partitions, only the **first** partition with playable audio files can be played back.

Read about additional limitations and notes with regard to media sources ⇒ page 21. ◀

Connection and operation

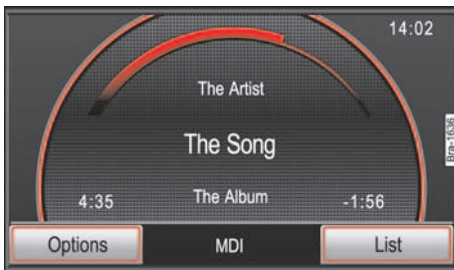


Fig. 34 MEDIA main menu: MDI media source (MEDIA-IN multimedia interface).

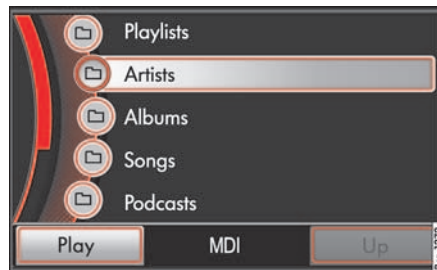


Fig. 35 Selection menu of a connected iPod.



Please first read and observe the safety instructions ⚠ on page 3 and the introductory information on page 31.

Reduce playback volume on the radio navigation system prior to connecting or playing back an external data medium ⇒ page 9.

Connecting or disconnecting an external data medium (MDI)

- Connect an appropriate adapter to the MEDIA-IN multimedia interface ⇒ page 31.
- Connect the external data medium to the MEDIA-IN multimedia interface via the adapter.

- If applicable, switch on the external data medium and select the appropriate data mode.

Despite indications to the contrary, the external data medium can be disconnected from the MEDIA-IN multimedia interface at any time without data loss.

Operation via the radio navigation system

A external data medium connected to the MEDIA-IN multimedia interface can be operated via the radio navigation system. ▶

Depending on the device in question, it may be necessary to manually launch playback on the radio system after connecting and switching the external data medium on.

- Open the *MEDIA* main menu.
- Press **[MEDIA]** button in order to open the *Media selection menu* ⇒ page 31, [fig. 33](#).
- Press the **[MDI]** function button to start or resume playback of an external data medium.

The methods for all other operation of the external data media (changing tracks, selecting tracks and starting playback modes) is the same as explained in the respective chapters ⇒ page 21.

If the selected media source is disconnected from the MEDIA-IN multimedia interface, the radio

navigation system remains in MDI mode. A different audio source must be selected manually.

iPod® and iPhone®

If an iPod® or iPhone® is connected, a special iPod selection menu is shown on the top selection level of the track display ⇒ page 32, [fig. 35](#). This iPod selection menu is immediately generated and can be operated as usual.

The music control of a connected iPod® or iPhone® is disabled.

The **volume** of a connected iPod® or iPhone® should be adjusted to match the volume of other audio sources ⇒ page 30.

Possible error messages after connecting an external data medium

Error message	Cause	Remedy
Device is not supported.	Playback of the external data medium or communication via the adapter cable is not possible.	Check the adapter cable. Update software of the MEDIA-IN multimedia interface via the Volkswagen dealer. If possible, update the software of the external data medium.
Device not functional.	Communication malfunctioning.	Verify the connection and functionality of external data medium.

Due to the large number of different types of data media and several iPod® and iPhone® generations, no guarantee can be made that all functions described can be executed without errors. 

External CD changer

Introduction

In this section you'll find information on the following:

Front-loading external CD changer	34
External CD changer with magazine	35
Operation via the radio navigation system	36

Depending on the vehicle, there may be may be an external CD changer. One of two different types may be factory-installed.

Six standard 12 cm audio CDs can be loaded into the CD changer. The CD changer does **not** have to be completely filled.

Loaded CDs are selected and controlled via the radio navigation system.

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Media mode ⇒ page 21

 Audio data CDs (MP3 and WMA) and DVDs cannot be played in the external CD changer.

 Copy-protected CDs and self-burned CD-R and CD-RW media may possibly provide limited or no playback.

 No CD text can be displayed for CDs played back in the external CD changer. 

Front-loading external CD changer

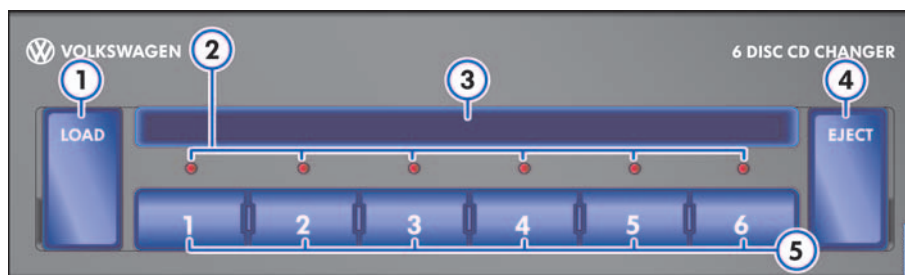


Fig. 36 External CD changer in the passenger side storage compartment or in the front center armrest.

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 34.

Inserting CDs

- Press the **LOAD** button. The LED  above the next available CD slot flashes slowly.
- For manual selection of an available CD slot, press one of the buttons  to . Otherwise, the next available slot is automatically provided.
- If the LED flashes rapidly, load an audio CD into the CD slot with the unprinted side facing towards the buttons , until the audio CD is automatically pulled in .

For **quick loading**, press **LOAD** for slightly more than 3 seconds. The available slots of the CD changer are provided sequentially for loading.

Ejecting CDs

- If a CD from the CD changer has finished playing, press the **EJECT** button in order to move the CD to its ejection position.
- If no CD in the the CD changer has been played, after pressing the **EJECT** button, press one of the buttons  to  in order to select the appropriate CD slot.
- If the CD is not removed from its ejection position, CD removal is cancelled, and after about 15 seconds the CD is pulled in again .

In order to remove **all** CDs at the same time, press the **EJECT** button for longer than 3 seconds. The CDs are moved one by one to the ejection position.

LED status displays ②

Status	Display
CD slot empty.	LED is switched off.
CD slot full.	LED is lit up.
CD slot is being provided.	LED flashes slowly.
CD slot is ready.	LED flashes rapidly. CD can be inserted.

! Note

Prior to closing the storage compartment at the passenger side or the front center armrest, verify that the CD has been completely loaded or removed. Otherwise the CD changer or the CD can be damaged. ◀

External CD changer with magazine

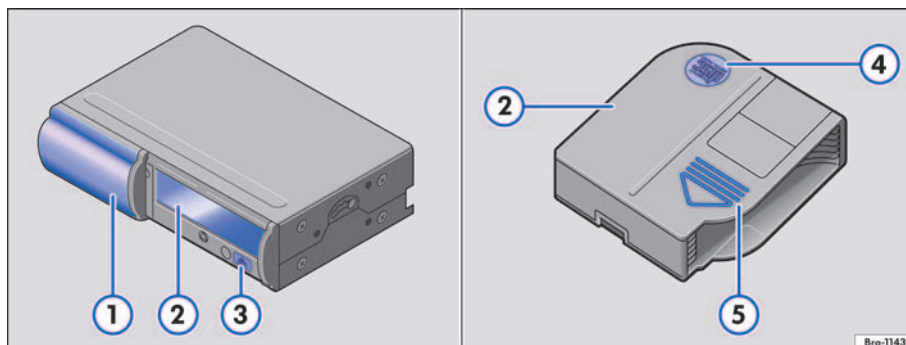


Fig. 37 CD changer and CD magazine.

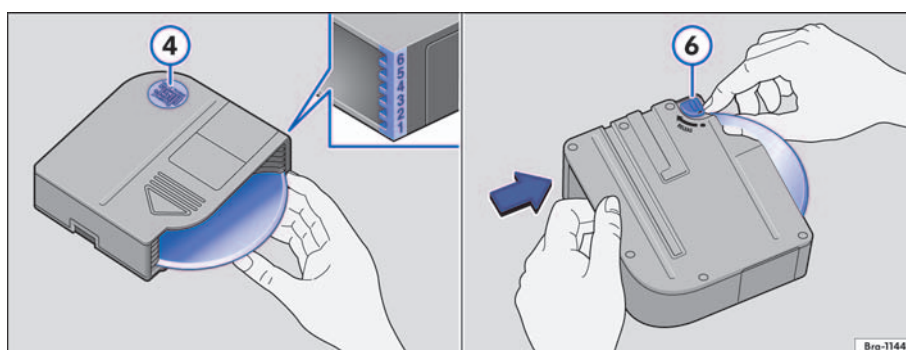


Fig. 38 Loading and removing CDs into and from the magazine.



Please first read and observe the safety instructions ⚠ on page 3 and the introductory information on page 34.

The external CD changer with a magazine is found

in the right hand side of the luggage compartment or under the front passenger seat (depending on the vehicle). ▶

Audio mode

34 | 35

Removing and inserting the magazine

- Slide the magazine cover ⇒ page 35, [fig. 37](#) ① completely open in order to expose the magazine.
- Press the button ③ for magazine removal and remove the magazine ②.
- In order to insert the magazine ② again, insert and push the magazine as far as it will go with the label “disc” ④ facing upwards and in the direction of the arrows ⑤.
- Close the magazine cover ① completely in order to prevent dust and dirt from entering.

Loading CDs into the magazine and removing

- Hold the CD magazine so that the “disc” ④ label faces upwards ⇒ page 35, [fig. 38](#).
- Hold the CD by the center hole or the outer edge with the **printed side facing up**.
- Insert CDs individually and without tilting into the magazine until you hear them engage.
- To remove CDs, turn the CD magazine over and rotate the release lever ⑥ against the spring resistance.
- Gently push the CDs in the direction of the arrow through the opening in the rear of the magazine. ◀

Operation via the radio navigation system



Fig. 39 MEDIA main menu: CD changer mode.

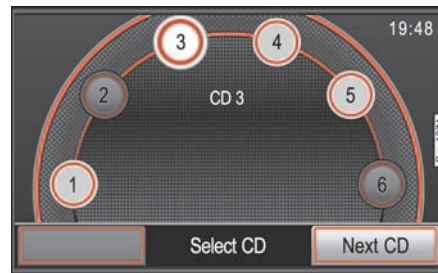


Fig. 40 CD selection menu.

Please first read and observe the safety instructions on page 3 and the introductory information on page 34.

Starting playback from the CD changer

- Open the *MEDIA* main menu and the *Media selection menu* ⇒ page 27.
- Press the function button to start playback of the initial track of the first CD in the magazine ⇒ [fig. 39](#). If the CD changer was previously selected, playback of the last played CD is continued with the last played track.
- Further operation of the CD is carried out similarly to the operation of an audio CD loaded into the radio navigation system ⇒ page 21.

Changing a CD

- Pressing the function button in CD changer mode ⇒ [fig. 39](#) opens the *CD selection menu*. CD slots containing readable CDs are indicated as active function buttons (in [fig. 40](#): ①, ③, ④, ⑤).
- Pressing an active function button starts the playback of this CD with the first track. The current CD is highlighted (③).
- **OR:** Rotate the tuning knob ⇒ page 6, [fig. 1](#) ⑩ to tag available CDs one after the other, and access them by pressing the tuning knob.

Empty CD slots or CD slots with unreadable CDs are indicated as inactive (in [fig. 40](#): ② and ⑥). ◀

Navigation

Introduction to navigation

Introduction

In this section you'll find information on the following:

Navigation limitations	37
RNS 315: Updating the internally-stored navigation data	38
Navigation main menu	39
Input screens with on-screen keyboard	40

General information

The current vehicle position is determined via the global positioning system (GPS). Sensors in the vehicle measure distances driven. All measurements are compared to the navigation data medium's detailed map material and the stored traffic guidance. Based on this data, the navigation system calculates the optimal route to the destination.

An address or a point of interest, e.g. a gas station or hotel, can be entered as a destination.

Acoustic navigation messages and the graphic displays on the navigation device and in the instrument cluster guide you to your destination ⇒ page 49.

Depending upon the country, some functions of the radio navigation system may not be selectable on the screen above a certain driving speed. This is not a malfunction, but rather compliance with legal regulations.

Navigation data

Several different device generations are used in Volkswagen vehicles. The navigation data media are **not** compatible with each other. The navigation data designed for the specific device is required by the navigation system. For further information, please contact a Volkswagen dealer.

Normally, all necessary navigation data comes preinstalled on the RNS 315. If this data needs to be updated, a memory card with the navigation software can be obtained at your Volkswagen dealership ⇒ page 38.

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Destination input ⇒ page 41
- Destination memory ⇒ page 45
- Route guidance ⇒ page 49

 Dirty or damaged navigation data media can cause problems when navigation data is copied or during navigation. Unused data media should always be kept in the storage area or in their original packaging and protected against mechanical damage, heat, moisture and direct sunlight. ◀

Navigation limitations

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 37.

Possible navigation errors

If the navigation system cannot receive data from GPS satellites (dense canopy of leaves, underground garage), navigation is still possible via the vehicle sensor system.

In areas that are not or only incompletely digitized on the data medium (e.g. one-way streets and street type not sufficiently captured), the navigation system also tries to enable route guidance.

In the case of missing or incomplete navigation data, the vehicle position may not be determined accurately. This may result in navigation that is not as accurate as usual.

Navigation region and navigation data refresh rate

The extent that small towns, streets and street numbers are included on a navigation CD depends on the respective country version. If you leave the navigation region covered by the device, an additional navigation CD covering the naviga- ▶

tion data you are travelling into is required (only for RNS 310).

Street routing is subject to ongoing changes such as new streets, street names or street numbers. After a while, navigation CDs become out of date.

Therefore, route guidance can be inaccurate or faulty.

Current navigation data media and other country versions can be obtained from your Volkswagen dealer. ◀

RNS 315: Updating the internally-stored navigation data

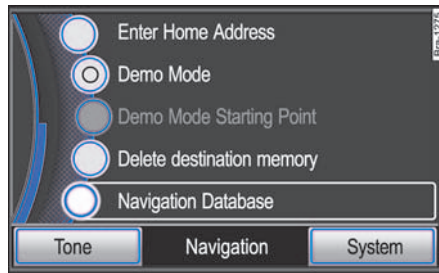


Fig. 41 Navigation setup menu.

Please first read and observe the safety instructions ⚠ on page 3 and the introductory information on page 37.

This navigation data is already stored in the navigation data memory and can be used for navigation ⇒ page 38.

When the navigation memory is updated or replaced with another country version, **existing navigation data will be deleted** and cannot be recovered.

Updating navigation data

A memory card with up-to-date navigation data can be ordered through a Volkswagen Dealer.

- Remove the physical write-protection from the memory card.
- Insert a memory card ⇒ page 21

If the inserted memory card contains valid navigation data, a pop-up window will open, asking if the memory card should be assigned to the radio navigation system.

For licensing reasons, once the copying has been completed, the memory card will be permanently assigned to this radio navigation system and **cannot** be used in other radio navigation systems of the same type anymore.

- Press the **(Assign)** function button to continue the process.

Information regarding the navigation data installed and available on the memory card will be displayed.

- Press the **(Update)** function button to start copying.

Navigation functions are unavailable during the copying process. The copy process takes about 2 hours.

Do not remove the memory card while navigation data is being copied. This can destroy the memory card!

If the device is switched off during the process, the copying process will be interrupted and will automatically be continued once the device is turned on again.

Manually starting the copying process

If the copying process does **not** automatically begin after a memory card with valid navigation data has been inserted, the synchronisation can be started manually.

- Press the **(NAV)** button.
- Press the **(SETUP)** button.
- Access the **(Navigation database)** function button by rotating and pushing the tuning knob ⇒ page 6, fig. 1 ⑩ ⇒ fig. 41.
- Press the **(Show navigation database information)** function button to display the navigation region, version number and stored navigation data.
- Press the **(Copy navig. data from SD card)** function button to start copying.

! Note

Do not remove the memory card while navigation data is being copied. This can destroy the memory card! ◀

Navigation main menu



Fig. 42 Navigation main menu with destination input options.



Please first read and observe the safety instructions  on page 3 and the introductory information on page 37.

The navigation functions are only accessible if navigation data for the region in which you are travelling is available in the radio navigation system.

A new destination can be selected via the *Navigation* main menu, a previously used or stored destination can be selected, or points of interest can be searched.

Accessing the Navigation main menu

- Press the **[NAV]** button in order to open the last accessed menu in the navigation menu.
- If the *Navigation* main menu is **not** displayed, press the **[NAV]** button again. The main menu is opened directly in each sub-menu.
- Press the **[5]** button in order to switch back into the *Navigation* main menu via the menus and to reverse destination entries step-by-step ⇒ page 41.

Switching between Map view and the Navigation main menu

- In the *Navigation* main menu, press the **[NAV]** button in order to switch to the map view ⇒ fig. 43.
- Press the **[NAV]** button again in order to switch back to the *Navigation* main menu ⇒ fig. 42.

Entering a destination from the Navigation main menu

- Open the *Navigation* main menu ⇒ fig. 42.

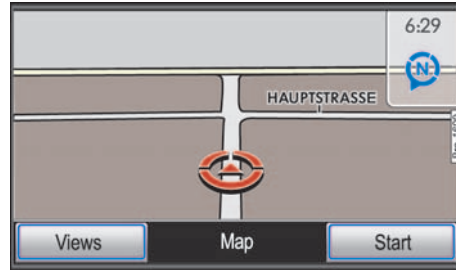


Fig. 43 Vehicle location in the Map view.

- Turn the tuning knob ⇒ page 6, fig. 1  in order to tag the destination input symbols one after the other. The destination input type is displayed in the center of the screen (in fig. 42: **Address**).

- Press the tuning knob to access the displayed destination.

- **OR:** Directly press the destination input symbol on the screen.

Once the function area has been selected, the related destination input menu will be opened ⇒ page 41.

Pressing the **[Start]** function button starts route guidance to the displayed destination ⇒ fig. 42.

Destination input options

Meaning of the symbols in the *Navigation* main menu (left to right):

Function button: Effect

Address: Opens input screen for selection of a destination address.

Intersection: Opens input screen for selection of the intersection of two roads.

Last Destinations: Opens list of automatically stored recent destinations.

Address Book: Opens list of destinations manually stored in the address book.

Point of Interests: After selecting a search location, a search term can be submitted.

Home Address: Enter your home address / get directions to a previously stored home address. 

Input screens with on-screen keyboard



Fig. 44 Keypad for entering free text.

Please first read and observe the safety instructions  on page 3 and the introductory information on page 37.

Input screens with screen keypad are used for destination address selection or, for example, entering a name.

The layout of the on-screen keyboard can be adjusted ⇒ page 67.

Input screens for “free text input”

The input screens for free text offer letters, characters and special symbols in any combination ⇒ fig. 44.

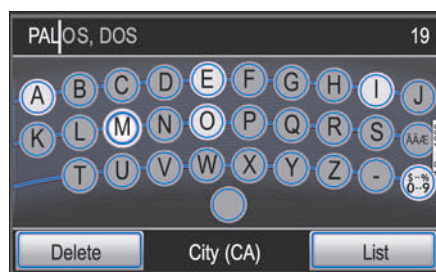


Fig. 45 Input screen for selecting a destination.

Pressing the  function button accepts the currently displayed character sequence.

Input screens for selecting a destination address

During input, only letters, numbers and special characters can be selected which correspond to a destination provided by the navigation data ⇒ fig. 45. Thus a destination cannot be freely entered, but instead must be “selected” from a list of available destinations ⇒ page 41.

Operation

- Characters selectable in the keypad area are accepted into the input prompt by pressing on them.
- **OR:** Select characters by rotating and pressing the tuning knob ⇒ page 6, fig. 1 .

Additional controls

Function button	Action and meaning
	Press to switch between upper and lower case letters.
	Press to open the screen to enter numbers and special characters.
OR: 	Press to return to letter entry mode.
 and 	Press to move cursor to the left or right in the input field.
	Press to enter a space.
Characters with 	Hold to open a pop-up window with all special characters based on this letter. Press the desired character to accept it.
	Press to view all function buttons which have special characters associated with them. Press a function button to open the pop-up window which allows you to choose special characters.
	Press to delete characters in the text field from right to left. 

Destination input

Introduction

In this section you'll find information on the following:

Selecting a destination address or intersection	41
Selecting stored destinations	42
Selecting a point of interest	42
Details view of a destination	44

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Introduction to navigation ⇒ page 37 ◀

Selecting a destination address or intersection



Fig. 46 Address entry window.

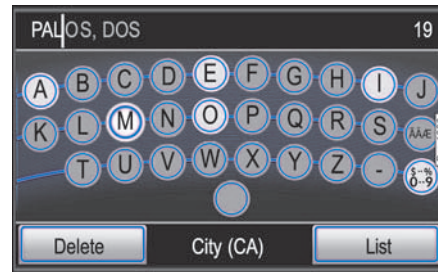


Fig. 47 Input screen for selecting a destination.

Please first read and observe the safety instructions  on page 3 and the introductory information on page 41.

- Open an **address or intersection** from the *Navigation* main menu ⇒ page 37.
- Press one of the function buttons on the left hand side ⇒ [fig. 46](#) to open the appropriate screen ⇒ [fig. 47](#).

The destination address or intersection can be narrowed down through series of windows ⇒ page 40.

After selecting a state or province, the following destination details can be entered in any order, first the city or postal code, then the street name and street number or the other way around.

If fewer than 99 destinations can be selected based on the displayed character sequence, the number of possible remaining destinations is indicated behind the input line (in [fig. 47: 19](#)).

- Press the  function button to open the list of possible destinations. If fewer than six destinations are selectable, the list is opened automatically.

- Selecting a desired list entry ⇒ page 8.

When composite terms are entered, the space character must be entered as well, e.g. "San Fernando".

A "City" is a locality or a postal code area and can also be chosen by entering the relevant postal code.

When narrowing down a destination address **keep in mind** that each entry narrows down subsequent selection options. For example, if a searched street is **not** located in a previously entered postal code area, it cannot be found in the subsequent street selection.

- Press the  button to undo entered destination details.

If the  function button is displayed instead of the  function button, it means that the destination details are sufficient for directions to be given.

If the  function button is displayed at the bottom left of the screen, you can receive directions directly to the city center.

- Press the  function button or  to open the Details view ⇒ page 44. ▶

Selecting stored destinations

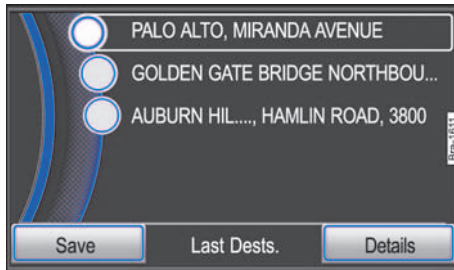


Fig. 48 List of automatically stored recent destinations.

Please first read and observe the safety instructions on page 3 and the introductory information on page 41.

You can start route guidance to a saved home address or to an automatically or manually saved destination.

Starting route guidance to a stored home address

- Open **Home Address** in the *Navigation* main menu to enter destination details $\Rightarrow$ page 37, and to start route guidance to the stored home address.

Save or editing the home address $\Rightarrow$ page 45

Starting route guidance to a stored destination

Destinations which were entered for route guidance are **automatically** saved in the **Last Destinations** list $\Rightarrow$ [fig. 48](#).

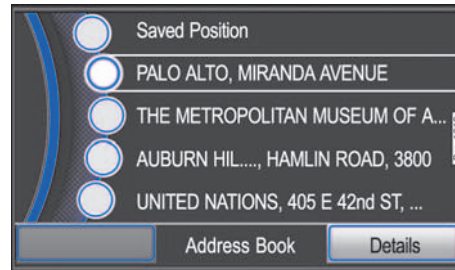


Fig. 49 List of destinations manually stored in the destination memory.

Manually saved destinations are stored in the **Address Book** $\Rightarrow$ [fig. 49](#).

- Open the **Last Destinations** or **Address Book** lists in the *Navigation* main menu to enter a destination $\Rightarrow$ page 37.
- Tag a destination in the list by rotating the tuning knob $\Rightarrow$ page 6, [fig. 1](#) and start route guidance by pressing the knob $\Rightarrow$ [fig. 49](#) $\Rightarrow$ page 11
- **OR:** Browse the list by moving the scroll marker across the screen and start route guidance by pressing the destination $\Rightarrow$ page 8.

A destination tagged in the list display can be displayed in greater detail by pressing the **(Details)** function button. $\Rightarrow$ page 44

Selecting a point of interest

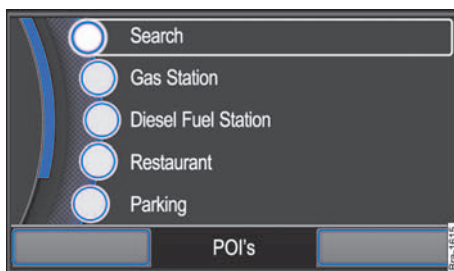


Fig. 50 Select point of interest category.

Please first read and observe the safety instructions on page 3 and the introductory information on page 41.

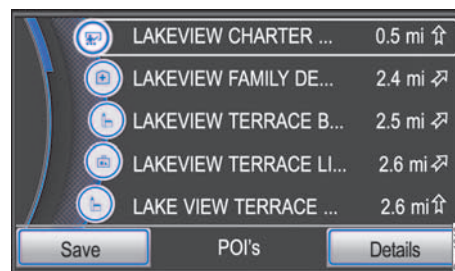


Fig. 51 Point of interest search results.

- Select **Point of Interests** in the *Navigation* main menu to enter a destination $\Rightarrow$ page 37.

Opens the list of available point of interest categories ⇒ page 42, [fig. 50](#).

Searching for points of interest at the current location

- Select the desired point of interest category by turning and pushing the tuning knob ⇒ page 6, [fig. 1 10](#) or by pressing the screen ⇒ page 8.

Points of interest in your desired category which are in the vicinity of the current vehicle position will be searched ⇒ page 43.

Starting a point of interest search using a keyword

A keyword is defined as word or number and letter combination which occurs in the name or the details of the point of interest searched.

- Press the topmost [\[Search\]](#) function button in the list of available point of interest categories ⇒ page 42, [fig. 50](#).
- Press the [\[Here\]](#) function button to look for points of interest near your current location.
- **OR:** Press the [\[City\]](#) function button to open the dialog to select a specific location as the center of the search area. After selecting a location, press the [\[Search\]](#) function button.

The keyword entry window will be opened. The keyword can be entered freely ⇒ page 40. Be certain to spell the keyword correctly!

- Enter keyword, for example: "Lake".
- Press the [\[Search\]](#) function button.

Starting from the center of the search area and moving towards the edge, points of interest whose names contain the keyword will be searched. For example, the point of interest "Hotel by the Lake"

or the address "Lake Street" would be possible results for the keyword "Lake".

During the point of interest search

Once the search has commenced, the radius searched will be shown and will increase incrementally.

- Press the [\[Cancel\]](#) function button to end the search at the radius shown.

A corresponding message is displayed if no point of interest could be found meeting the requirements.

If several points of interest were found which meet the requirements, the list view of search results will be displayed ⇒ page 42, [fig. 51](#).

The search stops automatically when a radius of about 60 miles from the center of the search area has been scanned. The [\[Cancel\]](#) function button switches to [\[Details\]](#).

Selecting a point of interest from a list

- To start directions, tag and select the desired point of interest by turning and pressing the tuning knob ⇒ page 6, [fig. 1 10](#) or simply press the screen ⇒ page 49.
- **OR:** Tag the point of interest by turning the tuning knob and press the [\[Save\]](#) function button to save the place in the **Destination memory** ⇒ page 46.
- **OR:** Tag the point of interest by turning the tuning knob and press the [\[Save\]](#) function button to view the point of interest in the Details view ⇒ page 44.

 Distance and directions to points of interest indicate straight-line distances. ◀

Details view of a destination

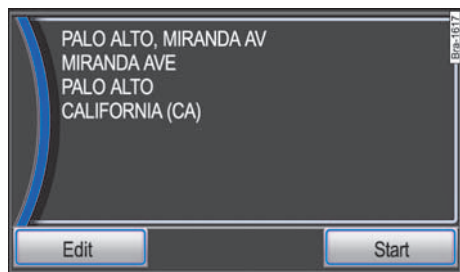


Fig. 52 Details view of a destination saved in the address book



Please first read and observe the safety instructions  on page 3 and the introductory information on page 41.

In Details view, the name under which the destination was saved as well as additional destination details are displayed ⇒ [fig. 52](#).

- Press the **(Start)** function button in order to start route guidance to the displayed destination ⇒ page 49.

Recently selected destinations, as well as destinations saved in the **Last Destinations** list can be saved in the **Address Book** by pressing the **(Save)** function button ⇒ page 45.

Destinations already saved in the **Address Book** can be deleted or renamed ⇒ [fig. 52](#). ◀

Destination memory

Introduction

In this section you'll find information on the following:

Automatically saved recent destinations	45
Saving destinations manually	46
Deleting or renaming address book entries	46
Displaying the Info window and saving the vehicle position	47
Saving or editing the home address	48

The destination memory is used for the **manual** saving of destinations.

Function buttons to save a trip destination are only active and accessible if the destination has been sufficiently defined.

Stored destinations can be used for route guidance and can be edited.

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Introduction to navigation ⇒ page 37
- Destination input ⇒ page 41 

Automatically saved recent destinations

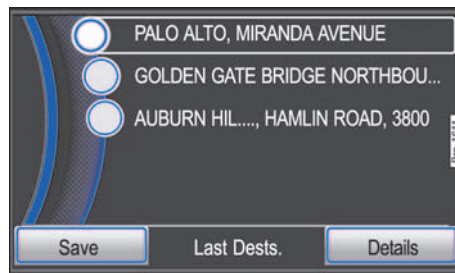


Fig. 53 List of recent destinations.

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 45.

Destinations which were entered for route guidance are **automatically** saved in the **Last Destinations** list ⇒ fig. 53.

Older *recent destinations* are automatically overwritten by newer destinations if the list is full. In order to permanently save a *recent destination* the destination must be stored in the **Destination memory**.

- Open the **Last Destinations** list via the *Navigation* main menu ⇒ page 37.
- Tag a listed destination which is to be added to the recent destinations list ⇒ fig. 53.
- Press the  function button to save the destination ⇒ page 46. 

Saving destinations manually

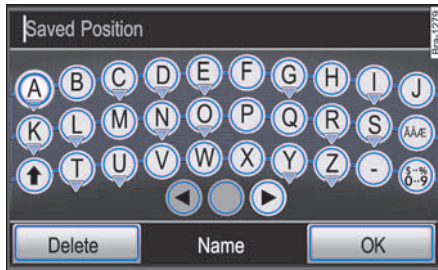


Fig. 54 Input screen for defining individual names.

Please first read and observe the safety instructions on page 3 and the introductory information on page 45.

If the **[Store]** function button is shown, the displayed destination can be stored in the destination memory.

- Pressing the **[Store]** function button opens an input screen to define a name $\Rightarrow$ fig. 54.
- If you want to define a specific name, first press the **[Delete]** function button and then enter that specific name $\Rightarrow$ page 40.
- Pressing the **[OK]** function button saves the destination under the displayed name to the **Destination memory**.

Deleting or renaming address book entries

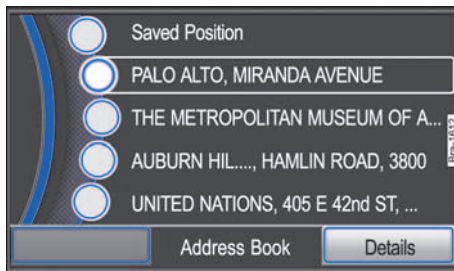


Fig. 55 Address book with manually stored destinations.

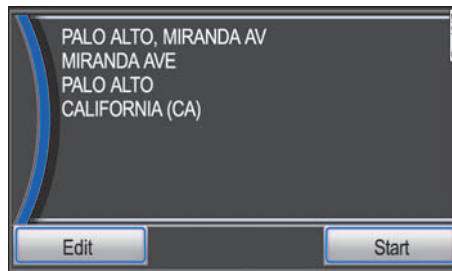


Fig. 56 Details view of a destination saved in the address book

Please first read and observe the safety instructions on page 3 and the introductory information on page 45.

- Open the **Address Books** list via the **Navigation** main menu $\Rightarrow$ page 37. Opens list of manually stored destinations $\Rightarrow$ fig. 55.
- Tag a destination by turning the tuning knob $\Rightarrow$ page 6, fig. 1 .
- Press the **[Details]** function button.

The destination is opened in the Details view will be opened $\Rightarrow$ fig. 56.

- Press the **[Start]** function button in order to start route guidance to the displayed destination.
- OR:** Press the **[Edit]** function button to open a pop-up window with further options.

[Delete]: Deletes the destination from the Address book.

[Rename]: Opens a dialog window to change the name $\Rightarrow$ page 40.

If a **Saved Position** is displayed in the **Address Book** $\Rightarrow$ page 47.

Deleting saved destinations

- In any navigation menu, press the **[SETUP]** button in order to open the **Navigation setup menu**.
- Open the **[Delete destination memory]** function button and select the destinations which are to be deleted in the following menu.
- Press the **[All Destinations]** function button to delete all destinations from the **Address Boom** and **Last Destinations** lists.

- **OR:** Press the **Last Destinations** function button to delete all destinations from the **Last Destinations** list.

- **OR:** Press the **Close** button to close the pop-up window without saving any changes. ◀

Displaying the Info window and saving the vehicle position

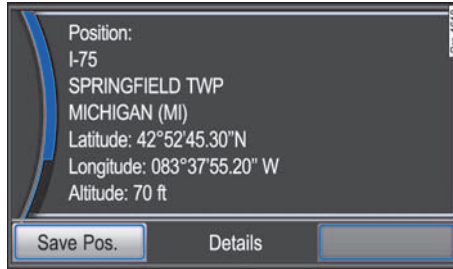


Fig. 57 Info window with Details view of the current location.

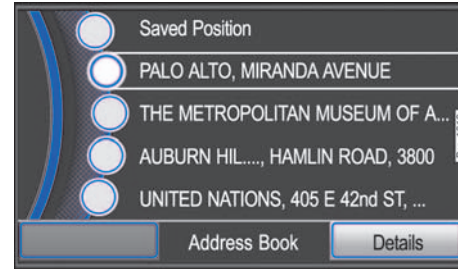


Fig. 58 Address book with manually stored destinations.

Please first read and observe the safety instructions ⚠ on page 3 and the introductory information on page 45.

Opening the Info window for the current vehicle location

- In any navigation menu (except the **Navigation setup menu**) press the **Info** button in order to open the **Details info window**.

If **no** route guidance is active, the current vehicle location is displayed in the **Info window** ⇒ fig. 57.

During route guidance, the destination is displayed in the **Info window** ⇒ page 49.

- Rotate the tuning knob ⇒ page 6, fig. 1 ⑩ in the **Details info window** in order to display all available information regarding the current vehicle location.

Display	Meaning
Position:	Vehicle position calculated using GPS and navigation data.
Latitude:	Latitude

Display	Meaning
Longitude:	Longitude
Altitude:	Height above sea level.
GPS status:	Technical GPS messages.
Available satellites:	The number determines the GPS status.

Saving a position

- Pressing the **Save Pos.** function button saves the displayed position in the **Address Book** ⇒ page 46.

In order to permanently store the location as a flagged destination, the location must be renamed in the **Address Book**. Otherwise the stored position will be overwritten the next time a location is saved.

- Select the **Saved Position** entry in the **Address Book** ⇒ fig. 58 and press the **Details** function button.
- Press the **Edit** function button in the **Details** view and press **Rename** in the pop-up window to change the saved name. ◀

Saving or editing the home address



Fig. 59 Navigation main menu: Select the home address

Please first read and observe the safety instructions  on page 3 and the introductory information on page 45.

Only one address or position can be saved as the home address.

Route guidance can be launched through the *Navigation* by selecting the **Home Address** destination option.

If no home address has been stored, an address can be entered after confirming a related instruction.

Entering the home address

- Press the **(Set current position)** function button to save your current geographical position (longitude and latitude) as your home address.

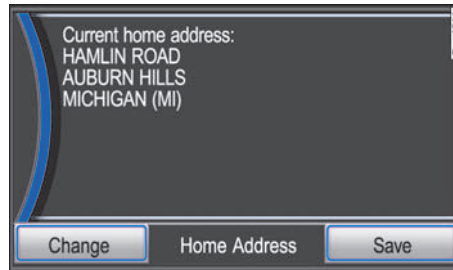


Fig. 60 Modifying the saved home address.

- **OR:** Press the **(Enter Address)** or **(Enter Intersection)** function button to enter a home address the same way as a regular destination entry $\Rightarrow$ page 41.

Changing the stored home address

- In any navigation menu, press the **(SETUP)** button in order to open the *Navigation setup menu*.
- Press the **(Enter Home Address)** function button.

If you have already saved a home address, it will be shown in the information window $\Rightarrow$ [fig. 60](#).

- Press the **(Change)** function button to enter a new home address as described. 

Route guidance

Introduction

In this section you'll find information on the following:

Routing options	49
Navigation messages (acoustic driving suggestions)	50
Visual driving recommendations in Map view mode	51
Stopping and resuming route guidance	52
Entering an intermediate destination	53
RNS 315: Displaying the Info window and Route list	53
RNS 315: Manually blocking sections in the Route list	54
RNS 315: Blocking upcoming route sections (congestion ahead)	55
Route guidance in Demo mode	55
Navigation settings menu	56

After starting route guidance, the route is calculated according to the parameters in the routing options.

The device switches to Map view mode. Acoustic and visual driving recommendations will guide you to your chosen destination.

Sections of the route may be manually blocked during route guidance.

During route guidance all audio sources of the device are available.

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- Introduction to navigation ⇒ page 37
- Destination input ⇒ page 41

WARNING

Driving recommendations given and traffic signs displayed by the navigation system may vary from the actual traffic situation.

- Traffic signs and regulations take precedence over navigation driving recommendations.
- Adjust your speed and driving style according to visibility, weather, road and traffic conditions. 

Routing options

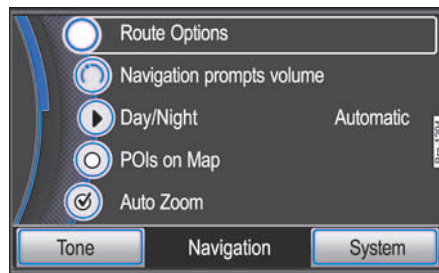


Fig. 61 Navigation setup menu.

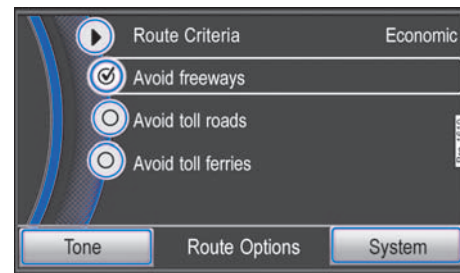


Fig. 62 Navigation setup menu: Routing options.

Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 49.

When calculating the route, types of roads can be taken into account and excluded and routing criteria can be specified. Routing options can be

changed during route guidance. The route is then accordingly recalculated.

- In one of the navigation menus, press the **SETUP** button.
- In the **Navigation setup menu**, press the **Route Options** function button ⇒ [fig. 61](#).

- Select or deselect the desired option by activating the checkbox ⇒ page 49, [fig. 62](#).

Defining routing criteria

- Press the **Route Criteria** function button in the **Route options Setup Menu**.
- In the pop-up window, select the desired setting by pressing it.

Route criteria	Meaning
Fast	Calculates the fastest route to the destination, even if a detour is required.
Economical	The purpose of the calculation is a balance between minimal driving time and driving distance.
Short	Calculates the shortest route to the destination, even if longer driving time is required. The route may have undesirable sections like dirt roads.

Excluding road types for the calculation

The **Avoid freeways**, **Avoid toll roads** and **Avoid Ferries** function buttons specify the kinds of roads that may be factored into the route calculation.

If no reasonable route exists without the road type to be avoided, this road type will be nevertheless considered in the route calculation. For example, when an island cannot be reached without a ferry. When very long distances are calculated, a calculation without highways is also **not** possible. ◀

Navigation messages (acoustic driving suggestions)

 Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 49.

After the route is calculated, an initial announcement is issued. Prior to turning, up to three navigation messages are issued, e.g. “left turn coming up soon”, “after 300 yards turn left” and “turn left now”.

- Pressing the tuning knob ⇒ page 6, [fig. 1](#)  repeats the last navigation message.

The type of road and the speed driven determine the distances to be announced. On highways the first announcement takes place about 1.25 miles prior to an exit.

On multilane and branching streets as well as on roundabouts, appropriate messages are issued, for example: “Exit the roundabout at the second exit.”

When the destination is reached, the following audio message is issued: “You have reached your destination”.

Acoustic driving recommendation settings

Navigation messages are played back at the preset volume.

The volume of an acoustic driving message can be adjusted while it is being give, using the volume control . All additional acoustic driving recommendations will be issued at this volume.

The volume of acoustic driving recommendations can be predefined or switched off in the **Navigation setup menu** ⇒ page 56 or in the volume settings ⇒ page 68. ◀

Visual driving recommendations in Map view mode

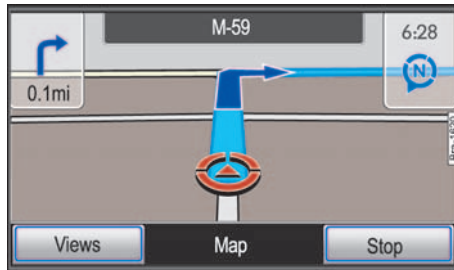


Fig. 63 Map view during active route guidance with overlaid functional areas.

Please first read and observe the safety instructions on page 3 and the introductory information and safety instructions on page 49.

After starting route guidance, the device automatically switches to Map view $\Rightarrow$ fig. 63.

The symbol shows the vehicle location and driving direction $\Rightarrow$ fig. 63. If the vehicle location indicator gets stuck and the map view appears to “freeze”, the current vehicle location cannot be determined. This is the case, e.g. in parking garages.

During active route guidance, the route to be driven is indicated as a blue line. Manually blocked sections of a route are represented on the map in different colors.

The top line of the screen indicates the street into which the vehicle should turn.

After several seconds, the function buttons in the bottom line of the screen are faded out in order to show additional route information $\Rightarrow$ fig. 64.

- Briefly press to the right or left in the bottom line of the screen to display the function buttons again $\Rightarrow$ fig. 63.

- Pressing the button switches between the *Navigation* main menu and the Map view.

When the function buttons are hidden $\Rightarrow$ fig. 64, the current street and trip duration information are displayed in the bottom line of the screen.

: Remaining distance to the destination.

: Estimated arrival or driving time $\Rightarrow$ page 56.

A turn arrow indicates the turn direction shortly before reaching the change of direction. In addition, the distance to the turn is displayed.

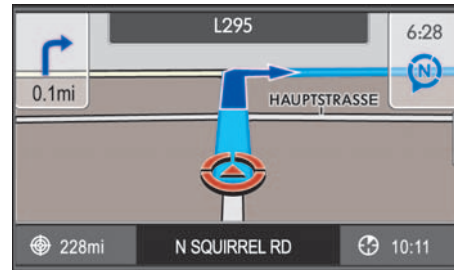


Fig. 64 Map view during active route guidance.

Changing the map scale (auto-zoom)

By default “auto-zoom” is activated in the Map view. The map is automatically zoomed in or out: Highway driving is zoomed out; city driving is zoomed in.

- The map scale can be changed for several seconds manually by rotating the tuning knob $\Rightarrow$ page 6, fig. 1 . Rotating clockwise zooms into the map. Rotating counter-clockwise zooms out of the map.

- If you want the manually selected scale to be permanently retained, then “auto-zoom” in the *NavigationSetup Menu* must be deactivated $\Rightarrow$ page 56..

Select type of Map view

The type of map view can be modified.

- If you cannot see any function buttons in Map view, briefly press to the left or right on the bottom row of the screen in order to display the function buttons.

- Press the function button $\Rightarrow$ fig. 63.

- In the pop-up window, select one of the offered display modes by pressing it.

: Two -dimensional, viewed from above, facing north.

: Two-dimensional, viewed from above, facing the direction of travel.

: Three-dimensional, bird's eye-view, viewed from the front.

Alternatively, the three types of Map view can be browsed by tapping the compass symbols on the map.

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

- Press the **[Map overview]** function button in the pop-up window to display the current position and the destination on an overview map.

The scale of the overview map cannot be changed.

- Press the **[Back]** function button in the overview map to change back to the previous map view.

Displaying the speed limit

If the speed limit for the road currently being driven is saved in the navigation data, the speed limit can be displayed on the left of the map. The display of the turning arrow has priority over the speed limit display during route guidance.

Take note of how up-to-date the navigation data is and pay attention to any restrictions ⇒ page 37!

The display of the speed limit must be enabled in the navigation settings ⇒ page 56.

Points of interest on the map

Depending on the settings, points of interest (gas stations, parking, Volkswagen dealers) are shown as symbols on the map ⇒ page 56.

i If a turn was missed during route guidance and there is no possibility to turn, continue driving until the navigation system offers an alternative route.

i The quality of the device's announcements depends on the navigation data being used. ◀

Stopping and resuming route guidance

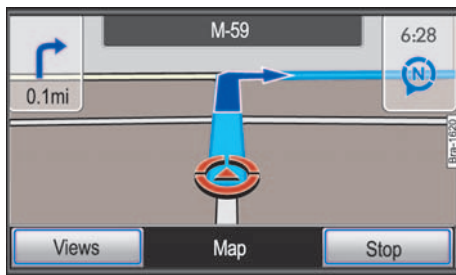


Fig. 65 Stopping route guidance.

! Please first read and observe the safety instructions **!** on page 3 and the introductory information and safety instructions **!** on page 49.

Active route guidance can be stopped at any time and resumed later, based on the current vehicle location.

Stopping route guidance

- In the **Map view**, briefly press to the left or right on the bottom row of the screen in order to display the function buttons.



Fig. 66 Interrupted route guidance.

- Press the **[Stop]** function button ⇒ fig. 65.
- **OR:** Switch to the *Navigation* main menu and press the **[Stop]** function button.

Resuming route guidance to the last destination

- In **Map view**, route guidance to the last destination is automatically resumed by pressing the **[Start]** function button ⇒ fig. 66. ◀

Entering an intermediate destination

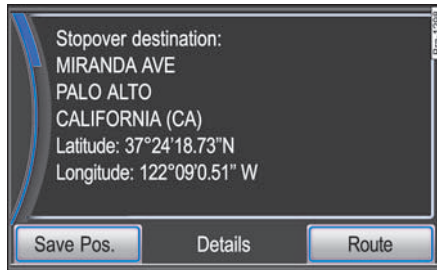


Fig. 67 Info window showing intermediate destination during route guidance.

Please first read and observe the safety instructions on page 3 and the introductory information and safety instructions on page 49.

During route guidance **one** additional destination can be entered as an intermediate destination. The entered intermediate destination is driven to prior to continuing route guidance to the final destination. The final trip destination is always the destination for which route guidance was initially started. Therefore proceed accordingly when entering a destination and intermediate destination.

- In order to enter an intermediate destination, first select the trip destination and start route guidance $\Rightarrow$ page 41.

- Press the **(NAV)** button.
- Using the *Navigation* main menu, select the additional destination similarly to the selection of a final destination.
- Once route guidance to an additional destination has been started, a pop-up window opens.
- Press the **(Stopover)** function button in order to drive to the new destination as intermediate destination prior to reaching the final destination.
- **OR:** Press the **(New destination)** function button in order to stop the current route guidance and start route guidance only to the newly entered destination.

Press the **(i)** $\Rightarrow$ page 6, **fig. 1** **(7)** button to show the intermediate destination in the Information window $\Rightarrow$ **fig. 67**.

When an intermediate destination is reached, a related navigation message is issued. After several seconds, route guidance to the final trip destination is resumed. **One** intermediate destination can then be entered again.

If the **(Stop)** function button is pressed during route guidance to an intermediate destination $\Rightarrow$ page 52, an option to delete the intermediate destination will appear.

RNS 315: Displaying the Info window and Route list

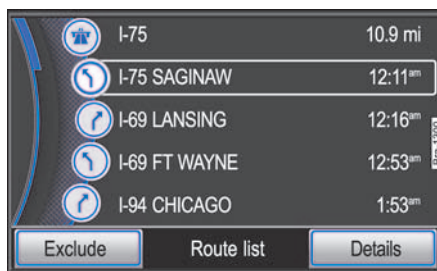


Fig. 68 Route list during active route guidance.

Please first read and observe the safety instructions on page 3 and the introductory information and safety instructions on page 49.

Info window during active route guidance

- In any navigation menu (except SETUP), press the **(i)** button in order to open the *Info window* $\Rightarrow$ page 45.

During route guidance, the destination is displayed in the *Info window*. If an intermediate destination has been additionally entered, it will be displayed above the trip destination $\Rightarrow$ **fig. 67**.

Displaying the route list

During active route guidance, an itinerary can be displayed in the *Info window*.

- Press the **[Route]** function button in the *Info window*.
- Press the **[Route list]** function button in the pop-up window.
- The route list corresponding to the active route guidance is calculated and displayed ⇒ page 53, [fig. 68](#).

The route list displays street names or designations which must be passed until the next turn. These are referred to as “route sections”. All route sections which must be passed prior to the next destination are displayed.

In addition, there is an indication of the distance to be covered on a route section as well as the estimated time until the next turn is reached.

- Turn the adjustment knob ⇒ page 6, [fig. 1](#) ⑩ to browse the route list.
- Press the tuning knob or press the Details function button to see an information window with more detailed information regarding a marked stretch of the route.
- Press the **[↩]** button to close the Info window.

Showing partial sections

An arrow ► behind an entry in the route list signifies that other sections can be displayed as well.

- Mark the entry with an arrow ► by turning the tuning knob and press to “unfold it” and show the partial sections. The arrow will change to ▼.
- Press the entry with an arrow ▼ to hide the partial sections. ◀

RNS 315: Manually blocking sections in the Route list

 Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 49.

Displayed route sections can be excluded individually for the calculation or in combination with others. Only one exclusion can be entered at a time.

- Displaying the route list ⇒ page 53
- Rotate the tuning knob ⇒ page 6, [fig. 1](#) ⑩ to tag the route section that is to be excluded.
- Press the **[Exclude]** function button.

The entry is marked as excluded and the function button switches to **[Exclude to]**.

When the **[Remove block]** function button is displayed in the route list instead of **[Block to]**, a section exclusion has already been entered.

- Mark the route section that is to be excluded and press the **[Block to]** function button.

If the **[Block to]** function button appears to be inactive, the section to be blocked is too long. **(Max)** will be displayed after a length at the bottom of the screen.

- Shorten the section of the route to be blocked until the **(Max)** disappears and the **[Block to]** function button becomes active again. Show parts of a route section ⇒ page 54.

If a block has been entered, the route list will be closed.

The route is will be recalculated as long as the navigation system can determine a reasonable detour to avoid the blocked section.

Removing a block

- Press the **[i]** button in any of the navigation menus (except for SETUP).
- Press the **[Route]** function button in the *Info window*.
- Press the **[Remove block]** function button in the pop-up window.
- **OR:** Open the Route list and press the **[Remove]** function button.

 Information regarding exclusion starting with the vehicle location ⇒ page 55.

 Blocked sections are displayed on the map ⇒ page 51. ◀

RNS 315: Blocking upcoming route sections (congestion ahead)



Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 49.

An upcoming section of road can be blocked manually while route guidance is in process.

- Press the **i** button in any of the navigation menus (except for SETUP).
- Press the **Route** function button in the *Info window*.
- Press the **Cong. ahead** function button in the pop-up window.
- Set the length of the section which is to be blocked by turning the tuning knob $\Rightarrow$ page 6, [fig. 1 10](#).

The length of the section being blocked is displayed at the bottom of the screen. If **(Max)** appears at the bottom, this signifies the maximum blockable distance.

- Press the tuning knob or press the **OK** function button to confirm the block.

Blocked sections are displayed on the map.

The route will be recalculated as long as the navigation system can determine a reasonable detour to avoid the blocked section.

Removing a block

- Press the **i** button in any of the navigation menus (except for SETUP).
- Press the **Route** function button in the *Info window*.
- Press the **Remove block** function button in the pop-up window.



Information regarding manually blocking additional upcoming route sections $\Rightarrow$ page 54. $\blacktriangleleft$

Route guidance in Demo mode



Please first read and observe the safety instructions  on page 3 and the introductory information and safety instructions  on page 49.

If Demo mode is activated in the **Navigation setup menu**, $\Rightarrow$ page 56, then an additional pop-up window is opened after starting route guidance.

- Pressing the **Demo** function button starts a “virtual route guidance” to the entered trip destination.
- If the **Normal** function button is pressed, a “real route guidance” is started.

The sequence and operation of virtual route guidance are comparable to real route guidance.

Virtual route guidance is repeated after reaching the fictive trip destination, and always restarts from the starting point if interrupted.

If in the **Navigation setup menu** the starting point for Demo mode was defined manually, virtual route guidance starts from this position.

A manually entered starting point is overwritten by the current vehicle location when the vehicle is moved and the current location of the vehicle can be determined via GPS $\Rightarrow$ page 56.

If, after virtual route guidance in Demo mode, real route guidance is started, then the device must be re-oriented. Depending on the number of satellites being received at the time, this may take a while. Vehicle movement can reduce the re-orientation time.

Ending Demo mode

The demo mode should be deactivated after being used, as you are normally required to choose between a virtual or a normal route guidance at the beginning of any navigation.

Demo mode is usually automatically ended when the route guidance is finished or a new final destination (not intermediate destination) is entered. Moving the vehicle or switching the device off will also close Demo mode.

You can also manually end Demo mode in the **Navigation settings menu**.

- Press the **SETUP** button in any of the navigation menus.
- Deactivate the checkbox in the **Demo mode** function button. $\blacktriangleleft$

Navigation settings menu

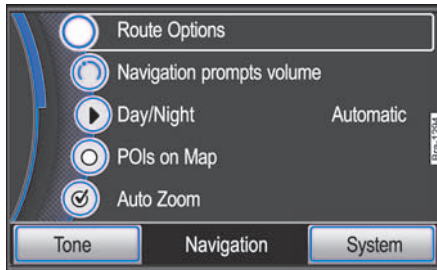


Fig. 69 Navigation setup menu.

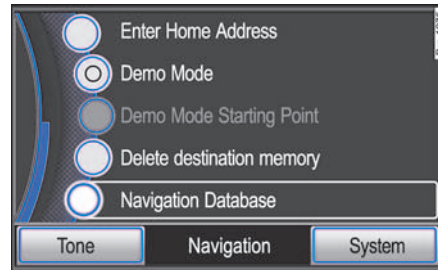


Fig. 70 Navigation setup menu.

Please first read and observe the safety instructions on page 3 and the introductory information and safety instructions on page 49.

Press the **SETUP** button in any navigation menu in order to open the **Navigation setup menu** ⇒ fig. 69.

Function button: Effect

Route options: ⇒ page 49.

Navigation volume: Rotate the tuning knob ⇒ page 6, fig. 1 to change the volume of the navigation announcements. In order to them switch off, turn to the left until **OFF** is displayed. This is also adjustable via the general volume settings ⇒ page 67.

Day/Night

Automatic: Switching day or night map design in sync with the headlights.

Day: Map displays a bright day design.

Night: Map displays a dark night design.

Points of interest on map: Points of interest (gas stations, parking, Volkswagen dealers) are shown as symbols on the map.

Auto-zoom: "Auto-zoom" is activated for Map view mode ⇒ page 51.

Speed limit indication: Speed limits for the current street will be shown during route guidance as long as they are saved in the navigation data ⇒ page 52.

Time display: Duration is displayed during route guidance ⇒ page 51.

ETA: Displays the estimated time of arrival at the final destination.

Travel time: Displays the estimated duration of the journey to the final destination.

Enter home address: Refer to **Destination Memory** ⇒ page 45.

Demo mode: After starting route guidance, a virtual route guidance to the final destination can be launched ⇒ page 55.

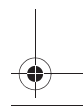
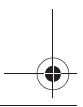
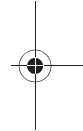
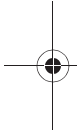
Demo mode starting point: If Demo mode is activated and the vehicle is not moving, a fictive starting point can also be defined for the virtual route guidance.



Function button: Effect

Delete Destination memory: Deletes saved destinations ⇒ page 45.

Navigation Database: Show information regarding the data media used during navigation as well as the navigation data stored on them ⇒ page 37. 



Telephone operation (Phone)

Introduction

Introduction

In this section you'll find information on the following:

Places with special regulations	59
Using a mobile phone without a connection to the outside antenna	59
Connecting the mobile phone to the radio navigation system	60
PHONE main menu	61
Telephone settings menu (SETUP)	61

The telephone functions described in the following can be operated via the radio navigation system as long as a switched on mobile phone is connected to the radio navigation system.

The connection varies from device to device.

- Pair and connect mobile phone via the instrument cluster ⇒ page 60.

For a connection to the radio navigation system, it is essential that the phone is **Bluetooth®** capable.

If there is no mobile phone connected to the radio navigation system, then phone operation is not available.

Warnings and observations regarding the use of a mobile phone in the vehicle without connection to the outside antenna ⇒ page 59

WARNING

Talking on the phone and/or operating the radio navigation system while driving can distract from traffic and lead to accidents.

- Always drive attentively and responsibly.
- Select the volume settings so that the acoustic signals from the outside are still audible (for example, the sirens of emergency rescue vehicles).
- In areas with no or poor mobile network coverage and possibly in tunnels, garages and underpasses, phone conversations may be interrupted, and it may be impossible to make phone calls – even emergency calls!

WARNING

A cell phone on the seat, instrument panel or in other places can be thrown around the inside of the vehicle during a sudden braking maneuver, a crash or other accident and injure vehicle occupants.

- Always mount mobile phones properly while driving, outside the operational area of the airbags.

WARNING

A switched-on mobile phone can cause interference with a pacemaker, if worn directly on top of the pacemaker.

- Keep a distance of at least 8 inches between the antennas of the mobile phone and pacemakers, as mobile phones can affect the functionality of a pacemaker.
- Never carry a cell phone that is switched on in the breast pocket directly over the pacemaker.
- If you suspect there may be interference with a pacemaker or other medical device, switch the cell phone off immediately.

WARNING

The center armrest can interfere with the driver's elbow movement and thus cause accidents and severe injuries.

- Always keep the armrest closed while driving.

Note

High speeds, poor weather or road conditions as well as the quality of the network connection can all influence the quality of a phone conversation.

-  The appearance of the various telephone menus varies from phone to phone. There may be variations. ▶

i SOS and emergency call functions may not be displayed in all devices and may not be available in all countries via all phone service providers.

i Please note the instructions given in the mobile phone's and accessories' user manuals as well as any laws or regulations pertaining to the use of hands-free headsets.

i Reception interference and call interruptions may occur in dead spots.

i Most electrical devices are shielded against RF (high-frequency) signals. In some rare cases, however, electronic devices may not be shielded against the mobile phone package's RF signals. Interference may occur. ◀

Places with special regulations

 Please first read and note the introductory information and heed the WARNINGS ⚠ on page 58.

Switch the mobile phone and mobile phone package off at explosion-prone locations! These locations are often, but not always, identified clearly ⇒ ⚠ in *Introduction* on page 58. These include, for example:

- Vicinity of pipes and tanks containing chemicals.
- Lower decks of ships and ferries.
- Vicinity of vehicles powered by liquefied petroleum gas (such as propane and butane).
- Areas with chemicals or particles in the air, such as flour, dust or metal powder.
- All other locations where the vehicle engine must be switched off.

⚠ WARNING

Switch the mobile phone off at explosion-prone locations! The mobile phone will automatically connect to the mobile network when the Bluetooth connection to the mobile phone package is disconnected.

! Note

In areas with special regulations relating to or prohibiting the use of mobile phones, the mobile phone and the mobile phone package or the PREMIUM mobile phone package must be switched off. Radiation from a switched-on mobile phone can interfere with sensitive technical and medical devices, potentially causing malfunctions or damage to the devices. ◀

Using a mobile phone without a connection to the outside antenna

 Please first read and note the introductory information and heed the WARNINGS ⚠ on page 58.

Mobile or cellular telephones send and receive radio waves both when they are being used and when they are in stand-by mode. Current scientific literature indicates that radio waves that exceed a certain level can have effects on the human body. Limits and guidelines have been established by governmental authorities and international committees in an effort to keep the electromagnetic radiation from cellular phones at levels that will not cause health problems. However, there is no scientifically based proof that wireless phones are absolutely safe.

Therefore, some experts recommend a precautionary approach regarding the use of cellular

phones by taking measures that lower the personal exposure to electromagnetic fields.

When using a cellular telephone inside a motor vehicle without a proper connection to an integrated vehicle telephone antenna, the personal exposure to electromagnetic fields will be higher than when using the cellular telephone while properly connected to an integrated or other outside vehicle telephone antenna.

Your vehicle may be equipped with an optional hands-free system that will permit many of the features of a cellular telephones to be used for greater convenience and consistent with the laws of an increasing number of states and localities that prohibit the use of cellular telephones without some kind of hands-free device.

The factory-installed hands-free equipment is designed for use with common cell phones and Blue- ▶

tooth® -compatible cell phones. Mobile phones must be located on an appropriate cradle. In addition, the phone cradle must be safely secured to the base plate. Placing the phone in its cradle permits it to be charged, but more importantly connects the cellular phone to the vehicle's outside antenna.

A cellular telephone that is properly connected to the integrated or other outside vehicle telephone antenna will lower the personal exposure to electromagnetic fields. You should also experience a better quality of service.

Although a cellular telephone can be used inside your vehicle without a cradle, the phone will not be securely attached to the vehicle, will not be charged through the cradle wiring and more importantly will not be connected to the vehicle's integrated telephone antenna. The cell phone will not be recharged either. Also, you might experience more dropped calls and an overall impaired quality of the connection.

Therefore we strongly recommend that you use your cellular telephone in your vehicle only when it is properly attached to an appropriate cradle mounted on a base plate on the instrument panel.

WARNING

A cell phone on the seat, instrument panel or in other places can be thrown around the inside of the vehicle during a sudden braking maneuver, a crash or other accident and injure vehicle occupants.

- Always mount mobile phones properly while driving, outside the operational area of the airbags.

WARNING

Using a cell phone or CB radio inside the vehicle without a properly installed and separate outside antenna can be dangerous to your health and that of your passengers because the electromagnetic radiation energy that cell phones and CB radios emit may be above established limits. This also applies if the outside antenna is not installed properly.

- Keep a distance of at least 8 inches between the antennas of the mobile phone and the pacemaker, as mobile phones can affect the functionality of a pacemaker.
- Never carry a cell phone that is switched on in the breast pocket directly over the pacemaker.
- If you suspect there may be interference with a pacemaker or other medical device, switch the cell phone off immediately. ◀

Connecting the mobile phone to the radio navigation system



Please first read and note the introductory information and heed the WARNINGS  on page 58.

If no mobile phone is connected, telephone functions via the radio navigation system are unavailable.

The mobile phone must be connected to the mobile phone package installed in the vehicle pursuant to the instructions in the owner's manual. ◀

PHONE main menu



Fig. 71 PHONE main menu.

Please first read and note the introductory information and heed the WARNINGS on page 58.

After the pairing process, the address book and call list data on the connected mobile phone will be transferred to the radio navigation system and can be accessed via the *PHONE* main menu.

- Press the **[PHONE]** button to open the *PHONE* main menu.

Displays in the PHONE main menu

The *PHONE* main menu will display the name of the paired mobile phone (in [fig. 71 FON 01](#)) and the name of the provider.

The symbol in the top left hand corner of the screen shows an existing Bluetooth® connection.

The bars underneath the Bluetooth® symbols show the actual signal strength of the phone reception.

For the features described to function properly, the phone must support Hands-free Protocol 1.5.

Function buttons in the PHONE main menu

: Dialing a number.

: Phone book.

: Missed Call.

²⁾ or ²⁾: Numbers dialed.

: Received calls.

: Voicemail number³⁾.

: Accept or make calls.

⁴⁾: Make an emergency call

Telephone settings menu (SETUP)

Please first read and note the introductory information and heed the WARNINGS on page 58.

Function button: Effect

[Enter voicemail number]: Enter voicemail number.

[Load address book]: The address book entries from the mobile phone and SIM card are synchronised with the radio. This process can take a few minutes.

Function button: Effect

[Telephone audio volume]: Set Telephone audio volume.

[Default settings]: Revert to factory settings and delete saved user profiles and phone numbers.

²⁾ Varies from country to country.

³⁾ The voicemail number must be manually entered in the **Telephone Settings menu** ⇒ page 61.

⁴⁾ SOS and emergency call functions may not be displayed in all devices and may not be available in all countries via all phone service providers.

Saved phone numbers

Introduction

In this section you'll find information on the following:

Phone book 62

Searching address book entries 62
 Displaying and editing phone numbers 63
 Call lists 63

Phone book

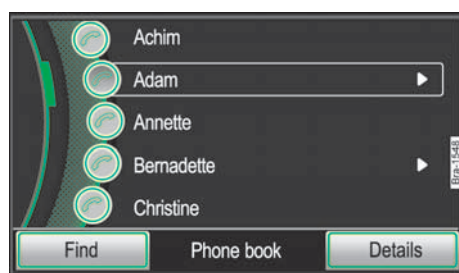


Fig. 72 Phone book.

Please first read and note the introductory information on page 62.

After connecting to a mobile phone, the address book entries can be opened and organized via the phone controls *PHONE*.

Opening and searching the phone book

- Press the *PHONE* function button  in the main menu to open the address book.

- Browse the address book by turning the tuning knob $\Rightarrow$ page 6, [fig. 1](#) .
- Press tagged address book entries or press the tuning knob to start a call.

If there is only one telephone number saved under an entry, a direct connection will be made to that number.

If several numbers are saved under one entry, they will be identified by this symbol . By pressing the address book entry, or by pressing the tuning knob, all numbers saved under that entry will be displayed.

Showing address book entry information

- Press the *[Details]* function button in the *Address book* menu to view **all** numbers saved under this entry.
- Press the tagged telephone number or press the tuning knob to start a call.

 Up to 2500 address book entries can be managed using the telephone controls. 

Searching address book entries



Fig. 73 Searching address book entries.

Please first read and note the introductory information on page 62.

- Open the phone book.
- Press the *[Search]* function button.
- Enter the name you are looking for in the search field.

For each character that is entered, corresponding suggestions from the address book will appear in the entry field.

If no name is suggested during the entry of a character, it means that there are no entries in the address book which begin with the characters entered. 

- Delete characters in the entry field until a name is suggested for selection.
- Entries in the address book search are not case sensitive.
- Press the **OK** function button to tag the list entry.

- **OR:** Press the right button to tag the list entry.
- Press the tagged telephone book entry to begin a call.
- **OR:** Press the tuning knob ⇒ page 6, fig. 1 ⑩ to begin a call. ◀

Displaying and editing phone numbers



Please first read and note the introductory information on page 62.

A number in the phone book or in a list of saved numbers can be changed before it is called.

Showing and editing a phone number in the input screen

- Tag the phone number and press the **Details** function button.

- Press the **Edit** function button to view the number in the input screen.

The number can be altered or played as a DTMF key tone sequence. Once the changes have been made, a call can be started by pressing the **Call** function button.

Changes made will **not be permanently** saved in the phone book. Once the edited number has been dialed, it will be available under *Dialed numbers*. ◀

Call lists



Fig. 74 Call list.



Please first read and note the introductory information on page 62.

All call lists saved on the mobile phone may be opened through the radio navigation system telephone control. All calls made on the mobile phone will be displayed in the call lists.

If the phone supports **Hands-Free protocol 1.5**, calls made via the radio navigation system phone control will also be shown.

Missed call

The call list shows all missed and unanswered calls.

Numbers dialed

The call list shows all numbers what were dialed using the mobile phone and/or the radio navigation system mobile phone control.

Answered

The call list shows all numbers which were received using the mobile phone and/or the radio navigation system mobile phone control.

Opening the call list

- Press the function button in the *PHONE* main menu which corresponds to the desired call list.
- **OR:** Tag the desired call list in the *PHONE* main menu by turning the tuning knob ⇒ page 6, fig. 1 ⑩ and confirm by pressing the knob.

If a phone number is saved under a name in the address book, the name will be displayed in the call list rather than the number.



The appearance of the call lists varies from phone to phone. ◀

Calling

Introduction

In this section you'll find information on the following:

Accepting, ending or rejecting calls	64
Entering and calling phone numbers	64
Making a call from the phone book	64

Making a call from the call list	65
During a phone call	65
Making and receiving additional calls	66
Starting a telephone conference	66

Accepting, ending or rejecting calls

Please first read and note the introductory information on page 64.

When there is an incoming call, the number calling will be displayed on the screen of the radio navigation system

If a phone number is saved under a name in the address book, the name will be displayed rather than the number.

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

- Press the  function button to **accept** an incoming call.
- Press the  function button to **end** a call.
- Press the  function button to **reject** an incoming call. ◀

Entering and calling phone numbers

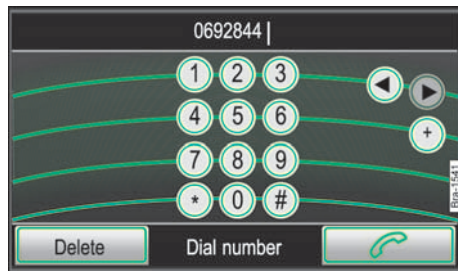


Fig. 75 Enter a phone number.

Please first read and note the introductory information on page 64.

A phone number can be entered manually via the *PHONE* main menu.

- Press the *PHONE* button to open the *PHONE* main menu.
- Press the function button  in the *PHONE* main menu.
- Enter the desired number by typing the numbers into the input screen.
- After entering the full number, press the  function button to begin the call. ◀

Making a call from the phone book

Please first read and note the introductory information on page 64.

- Open the *PHONE* main menu.
- Browse the address book and mark the desired entry by turning the tuning knob ⇒ page 6, [fig. 1](#) 10.

- Press the tuning knob to begin a call.
- **OR:** Press the tagged telephone book entry to begin a call. ◀

Making a call from the call list



Please first read and note the introductory information on page 64.

- Open the call list in the *PHONE* main menu.
- Mark the desired list entry by turning the tuning knob ⇒ page 6, fig. 1 ⑩.

- Press the tuning knob to begin a call.
- **OR:** Press the tagged telephone book entry to begin a call.
- **OR:** Press the tuning knob  or the button below it to begin a call. ◀

During a phone call



Fig. 76 Displaying an active connection.



Please first read and note the introductory information on page 64.

Displaying an active connection

During a phone call, the phone number and call duration will be displayed on the screen.

If a phone number is saved under a name in the address book, the name will be displayed rather than the number.

Muting a call

To ensure that the caller does not hear conversations in the vehicle during a call, audio transmission can be interrupted.

- Press the **Extras** function button during an active call.
- Press the **MUTE** function button in the pop-up window to stop sending an audio signal to the caller.
- Press the **MUTE** function button in the pop-up window to resume sending an audio signal to the caller. ◀

Making and receiving additional calls



Fig. 77 Call waiting.



Please first read and note the introductory information on page 64.

An additional call can be received during a phone call. You can switch from one call to the other.

Call waiting: answering an additional incoming call

- If another caller contacts you during when you are on the phone, the incoming number or name will be displayed on the screen. The message “... waiting” will also appear.
- Press the  function button reject the second incoming call.
- **OR:** Press the left button.
- To answer the second call as well, press either the call display or the  function button.

- **OR:** Press the right button.

If the second call is answered, the connection to the first caller will be interrupted but **not** ended (Display: “Call on hold”).

Switching between two callers

- To switch between two callers, press the call display symbol of the caller to whom you want to switch.
- **OR:** Press the  function button and click on the  function button in the pop-up window.

As long as there is still a connection to one of the two callers, the connection to the other one will be maintained.

- Press the  function button to end an active call.
- **OR:** Press the left button.

You can only have **one** other caller on hold while you are connected to another caller.



The phone “call waiting” function must be activated.



The effect of the “Swap” function depends on the hands-free protocol version that the phone supports. For the functions outlined above to apply, HFP 1.5 must be supported. ◀

Starting a telephone conference



Fig. 78 Add multiple callers to a teleconference.



Please first read and note the introductory information on page 64.

Callers who are “on hold” can be added to an active teleconference.

Adding multiple callers to a teleconference

All callers who are part of a teleconference can hear and speak to each other.

- Press the  function button and press the  function button in the pop-up window to add both callers to a teleconference.

The callers will both be displayed on the screen with a “Conference” marking.

An additional call can be received during an active teleconference. You can toggle between the conference and the new call or the caller can also be added to the teleconference. Depending upon the provider, teleconferences can have up to six participants.

- Press the  function button to end the teleconference and end connection to **all** callers. ◀



Settings (SETUP)

Sound, volume and system settings

Introduction

In this section you'll find information on the following:

Sound and volume settings	68
System settings (SETUP)	69

Pressing the **SETUP** button will always open a context-dependent *Settings menu* or the selected device operation mode.

Supplementary information:

- Safety instructions  ⇒ page 3
- Device overview ⇒ page 6
- **Radio settings menu** ⇒ page 12
- **Media settings menu** ⇒ page 21
- **Navigation settings menu** ⇒ page 49
- **PHONE settings menu** ⇒ page 58 



Sound and volume settings

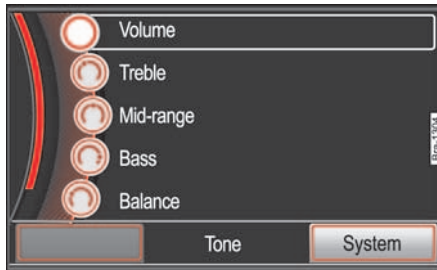


Fig. 79 Tone settings selection menu.

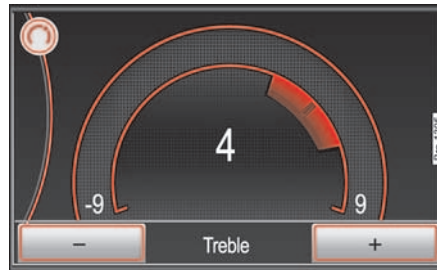


Fig. 80 Setup menu for tone pitch.

Please first read and observe the safety instructions on page 3 and the introductory information on page 67.

Calling up the Sound main menu

- Press the **[SETUP]** button from any menu.
- Press the **[Sound]** function button on the lower left of the screen in order to open the tone and volume adjustment menu $\Rightarrow$ fig. 79.

In the overview the current settings are graphically displayed in the circle in the front of the respective menu item $\Rightarrow$ fig. 79.

Adjusting EQ and volume balance (Balance and Fader)

- Press the **[Treble]**, **[Mid]** or **[Bass]** function button in order to open a setup menu for the adjustment of the "pitch" $\Rightarrow$ fig. 80.
- Turn the rotary knob $\Rightarrow$ page 6, fig. 1 or press the **[−]** or **[+]** function button in order to change the current settings.
- Press the **[Balance]** or **[Fader]** function button in order to open a menu for changing the sound adjustment to the left or right (Balance) or front or back (Fader)
- Turn the rotary knob or press the appropriate function button in order to change the current settings.

Changing volume settings and adjustments

Volume and volume adjustments can be pre-defined.

While adjustments are being made to the volume settings, the current audio source is played back using the applied adjustments.

- In the **Sound main menu**, press the **[Volume]** function button $\Rightarrow$ fig. 79.
- Press the function buttons **[Maximum switch-on volume]**, **[Navigation volume]** or **[Speed-dependent vol. adjustment]** in order to open the corresponding setup menu.
- Turn the tuning knob or press the **[−]** or **[+]** function buttons.
- Pressing the **[PDW: vol. reductn.]** function button opens a pop-up window to define how much the volume should be lowered when park distance control is active.

Functionality of the speed-dependent volume adjustment (SDVA)

The speed-dependent volume adjustment automatically adjusts the volume according to the vehicle speed.

The level of volume increase (SDVA) is defined in increments from 1 to 7

If a low value is set, then the volume is somewhat raised with increasing road speed. For a high value, the volume is increased significantly. 0 means that the speed-dependent volume adjustment is switched off (Display: OFF).

System settings (SETUP)

 Please first read and observe the safety instructions  on page 3 and the introductory information on page 67.

- Press the **SETUP** button and press the **System** function button in order to open the system settings.

Reverting to factory settings

Resetting to the original conditions **deletes all previous inputs, destinations and settings.**

- In the **System setup menu**, press the **Factory settings** function button.
- In the following confirmation prompt, press **Yes** in order to reset the device to its original condition.

Additional system settings

Function button: Effect

Language: Press to select the desired language for message and voice output.

OR: Select **Automatic** to adopt the language being used by the instrument cluster.

Keypad display

ABC: Alphabetical alignment of the keypad block in the input screens.

QWERTY: Computer-like alignment of the keypad block in the input screens.

Display: Adjust display settings.

Brightness: Press to adjust the level of brightness.

Day/Night: Change the map display.

Automatic: The map display changes depending on activation or deactivation of the headlights.

Day: The map display is always in day design (bright).

Night: The map display is always in night design (dark).

Confirmation tone: Turn on or off the confirmation tone associated with pressing function buttons.

Factory settings: Revert to the device factory settings.

AC Display

3 sec, 5 sec, 10 sec: Changes to the climate control system will be shown on the screen for 3, 5 or 10 seconds.

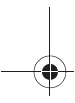
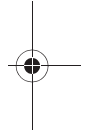
Off: Changes to the climate control system are **not** shown on the screen.

Clock display: Activate or deactivate the time display ⇒ page 9.

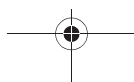
Memory card status: Display status of the memory card with navigation data.

Remove memory card: Some devices require the memory card to be prepared for removal before it is taken out ⇒ page 21.

 The instrument cluster is used to define the unit system displayed in the navigation menu (metric or Anglo-American). 



RNS 310, RNS 315

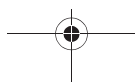




Abbreviations

Abbreviation	Meaning
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AM	Amplitude modulation (medium wave, MW).
AUX	Auxiliary input
EON	Enhanced Other Network (support for other networks).
FM	Frequency modulation (ultra short wave, VHF).
MDI	Media Device Interface
RDS	Radio Data System
TMC	Traffic Message Channel
TP	Traffic Program (traffic news function). ◀



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