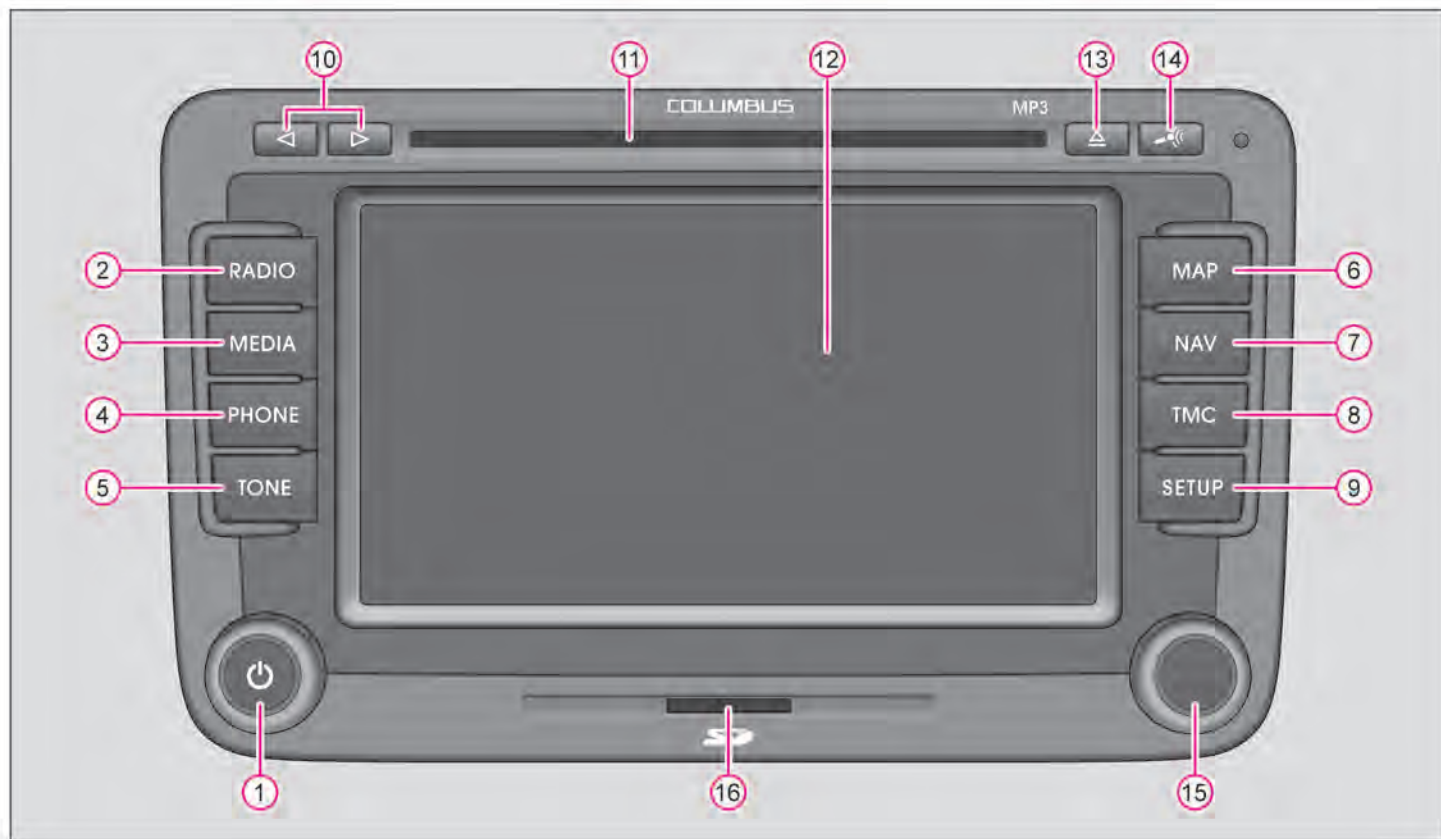




NAVIGATION SYSTEM COLUMBUS

OWNER'S MANUAL



Introduction

You have chosen a ŠKODA vehicle, which is fitted with an Columbus navigation system (hereafter called the navigation system) - we thank you for your confidence in us.

We recommend that you read these operating instructions carefully so that you can quickly become familiar with your navigation system.

Should you have any questions or problems with your navigation system, please do not hesitate to contact your authorised ŠKODA Service Partner or importer.

National legal provisions, which deviate from the information contained in these operating instructions, take precedence over the information contained in the operating instructions.

We hope you enjoy using your navigation system and wish you pleasant motoring.

Your ŠKODA AUTO a.s. (hereinafter ŠKODA)

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General information

Owner's Manual

This Owner's manual describes **all possible equipment variants** without identifying them as special equipment, model variants or market-dependent equipment.

Consequently, this vehicle does **not need to contain all of the equipment components** described in this Owner's manual.

The scope of equipment for your vehicle is described in the sales documentation you were given when purchasing the car. For more information, contact your local ŠKODA retailer.

Symbols in the text of the operating instructions

Explanation of symbols

■ End of a section.

► The section is continued on the next page.

→ Transition to next button.

Important information

Safety instructions



WARNING

- Concentrate fully at all times on your steering! As the driver you are fully responsible for road safety. Only use the system so that you are in full control of your vehicle in every traffic situation - risk of accident!
- Adjust the volume to ensure that acoustic signals from outside, e.g. sirens from vehicles which have the right of way, such as police, ambulance and fire brigade vehicles, can be heard at all time.
- High volumes can cause hearing damage.
- For safety further information see ⇒ page 31, Safety information regarding the use of the navigation system.

Warranty

The equipment warranty terms and conditions also apply for new vehicles.

After the expiration of the warranty, a piece of equipment in need of repair can be replaced with a reconditioned, original item with spare part warranty. It is, however, a precondition that the housing has not been damaged and no unauthorised attempts have been made to carry out repairs.

Note

The warranty does not relate to:

- Damage and defects due to improper handling of the equipment,
- Damage and defects from unprofessional repair attempts,
- Devices with damage to the exterior.

Screen cleaning

CAUTION

- Do not use solvents such as turpentine or petrol as they may corrode the display surface.
- Carefully handle the display because dents and scratches can occur through pressure of the finger or contact with sharp objects.

Note

The display can be cleaned with a soft cloth and finger marks can be wiped away with pure alcohol.

Signal receipt

Car parks, tunnels, tall buildings or mountains can disrupt the radio and GPS signal even causing it to fail completely.

Anti-theft protection

The anti-theft coding of your navigation system prevents an operation of the system after a voltage interruption, e.g. during a vehicle repair or after theft. After disconnecting the battery, disconnecting the navigation system from the on-board voltage of the vehicle and after a fuse failure, the code must be entered before the vehicle can be used again.

Enter code

- If a keypad appears after switching on with the command to enter the code, the unit can be unlocked by entering the correct four-digit code number. The number of the possible attempts is shown in the second touch-screen line.
- Press a digit from 0 to 9 on the digit block displayed on the screen. The digit is accepted in the entry line.
- After a four-digit order has been entered, the group of digits will turn grey (inactive) and no further digits can be accepted in the entry line.
- Press  on the touch-screen to erase the digits in the entry line from right to left and thereby correct your input, if necessary.
- If the correct code is displayed in the entry line, press the function key .

Code number

The code number can only be called up "online" via the ŠKODA system, as this guarantees even more effective anti-theft protection. Please contact your authorized ŠKODA Service Partner, if necessary.

Incorrect code number

If an incorrect code is confirmed after entry of the code, the procedure can be repeated **once again**. The number of possible attempts is shown in the second line on the touch-screen.

If the code is entered incorrectly a second time, the unit will be blocked for approx. one hour. It is possible to enter again the safety code after one hour has expired, when the unit and the ignition have been switched on.

If two invalid attempts are then made again, the navigation system will be blocked again for an hour.

The cycle - two attempts, blocked for an hour - will continue to apply.

Note

The code is normally stored in the instrument cluster. This ensures that it is automatically decoded (convenience coding). Manual input of the code is normally not necessary.

Special functions

Parking aid

If your vehicle is equipped with a "parking aid" and after it is activated, the distance to the obstacle is shown in the display.

Climatronic

If you vehicle is equipped with Climatronic, information from Climatronic is shown in the display.

Equipment overview

①	 - Button	
	– for switching the equipment on and off (press)	
	– Volume adjustment for audio source currently being played (turn)	5
②	 - Radio operation	15
③	 - MEDIA operation	16
④	 - Telephone operation	24
⑤	 - tone and volume settings	27
⑥	 - Map display	28
⑦	 - Navigation operation	31
⑧	 - Displaying TMC traffic alerts	40
⑨	 - Settings in the individual operating modes	11
⑩	 and  - buttons for moving forwards/backwards	
	– RADIO-Mode - for the selection of the stations from the preset list.	
	– MEDIA-Mode - for the selection of the previous or following track.	
	– TV-Mode - for the selection of the TV stations.	
⑪	CD/DVD case	16
⑫	Display	5 ►

- ⑬ - eject CD/DVD
- ⑭ - Switch on voice control
- ⑮ **Menu button:**
- **RADIO mode** - turn for manual station adjustment; press briefly to start/stop the automatic play (Scan).
 - **MEDIA-Mode** - turn to change track; press briefly to start/stop the automatic play (Scan) when in audio mode.
 - Turn **map display (MAP)** - in order to change the map scale; press briefly for repeating a navigation announcement during active route guidance.
 - **Navigation (NAV)** - press briefly to repeat a navigation announcement during active route guidance.
- ⑯ **Memory card case**

17
8

⚠ CAUTION

High volumes can cause hearing damage.

Display control

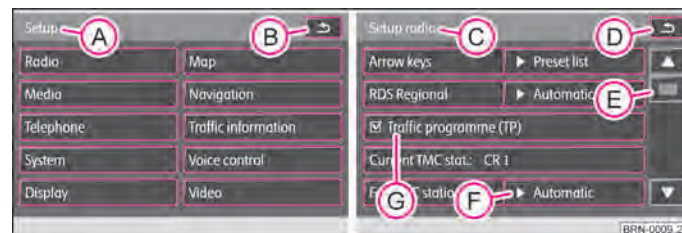


Fig. 1 Setup mode SETUP: Main menu setup/radio setup

The screen of the unit is a so-called touch screen (touch-screen). Fields circled in colour on the touch-screen are presently "active" and are operated by touching the screen.

"Function keys" on the screen

- Active fields, which call up a function or a menu, are called "function keys".
- In the main menu press, for example *Setup* on the function key (Radio) ⇒ fig. 1, to call up the menu *Setup Radio* ⇒ fig. 1. The headline indicates which menu you are in (A).
- By using the function key (B) you can change back from each menu to the previous menu.

Moving objects or sliding regulators

- Place your finger on the display of a moving object on the display, for example the "sliding regulator" (E) ⇒ fig. 1.
- Now move your finger over the touch-screen *without interruption*. The object will follow your movements, but can only be moved within the pre-defined range.
- Lift the finger from the touch-screen at the desired position.
- To be able to view the displayed area of the screen ⇒ fig. 1, move the sliding regulator all the way down.

Switching the unit on and off

- To switch the unit on/off, press the button ①.

After switching on the unit, the last audio source that was active before switching off will be played.

If the key is pulled out of the ignition lock while the unit is switched on, the unit will switch off automatically.

If your vehicle is fitted with the KESSY system, the unit will switch off automatically after the engine is turned off and the door opened. If you open the door before turning off the engine, the unit will not switch off until the vehicle is locked.

If the ignition is switched off, the system switches off automatically after approx. half an hour (vehicle battery protection against discharging).

Adjusting the volume

- To increase the volume, turn the button ① to the right.
- To decrease the volume, turn the button ① to the left.

The change to the volume appears in the unit display.

If the volume is reduced to 0, the speakers are muted. The following symbol will appear in the display .

- Alternatively, you can move the sliding regulator on the touch-screen to the bottom and top by touching the function keys and .
- You can move the sliding regulator in the setting bar by pressing the function key or e.g. with DVD mode settings.

If none of the function keys are displayed on the touch-screen when the unit is switched on (e.g. when a DVD is playing), press briefly on the touch-screen so that the currently available function keys are shown.

"Sliding regulator"

The vertical bar at the edge of the display $\Rightarrow$ fig. 1 between the arrow keys and is referred to as the "sliding regulator". It indicates that further menu entries become visible if the sliding regulator is moved completely to the bottom.

"Pop-up window"

A function key with an arrow behind another function key shows the presently selected set-up, e.g. with $\Rightarrow$ Automatic $\Rightarrow$ fig. 1.

If you press the function key on the touch-screen, a so-called "pop-up window" will open in which all possible set-up options are displayed.

Briefly press the desired set-up option. The pop-up window will disappear and the newly selected set-up option is displayed in the function key . To close the pop-up window without changing the set-up, press the function button in the pop-up window .

"Check box"

Some functions can only be switched on or off.

There is a so-called "check-box" $\Rightarrow$ fig. 1 in front of a function which can only be switched on or off. A tick in the check box indicates that the function is switched on, an empty check box , indicates that it is switched off.

Briefly press the corresponding function key for switching on or off.

Example menu

Press the button $\rightarrow$ - these buttons must be pressed one after the other.

- - Description of a function key in the first menu level
 - - Description of a function key in the second menu level
 - - Description of a function key in the second menu level
- - Description of a function key in the first menu level

Input screen with keypad



Fig. 2 Example of an input screen with keypad/ input screen with numbers

The input screen appears for instance when entering a folder name for storing MP3 data on the hard disk or when searching for the name of a special destination.

- Press to accept a character sequence offered by the system or press to delete the characters in the entry line.
- When in the entry window, press on a character shown on the keypad block to accept it into the entry line.
- You can also delete or change the character sequence in the entry line as well as insert additional characters.
- Press to accept the indicated character sequence in the entry line. By pressing the input screen will be closed without the entries being accepted.

Further input possibilities:

- Displaying the entries matching the selection. The function key moves to the list of entries matching the selection.

- returns from any menu point to the previous menu point

- Displaying the entries matching the selection.

- changes from upper case to lower case and vice versa.

- switches to the input screen for numbers and special characters

- switches to the input screen for letters

- Enter a space

 - switches to the Cyrillic script

 - switches to the Latin script

  - moves the cursor in the entry line - to the left or right.

 - deletes characters in the entry line starting from the position of the character input mark from right to left

Selecting letters based on specific characters

In the input screen, some characters are marked with the symbol "▼". Pressing the character identified in this way for a long period of time allows you to choose special characters for the selected language.

Some specific characters can be "written out". The navigation system will also recognise the character sequence "AE", "UE" and "OE" instead of the German specific characters "Ä", "Ü" and "Ö" vom Navigationssystem erkannt. Other specific characters can be ignored, for example instead of "É", "Ê" or "Ë" a normal "E" will be accepted by the navigation system. ■

Voice control of the radio navigation system

General information

Introduction

Thanks to this equipment, you can operate a few functions of your navigation system via the microphone installed in the vehicle; a so-called **"Speak what you see on the touch-screen"** system.

You can use the voice control in the operating modes *RADIO*, *MEDIA*, *PHONE*, *MAP* and *NAV*.

You can adjust the volume during the call at any time by turning the control button ①.

Switch on voice control (dialogue)

- Press the button .

Switching off voice control (dialogue)

- After running the voice command, voice control switches off automatically.
- By pressing one of the buttons which are located on the side of the touch-screen of the unit or by touching the touch-screen (if the button **Fade out** is not pressed in the help display).
- By pronouncing the command **"Cancel"**.
- If the system does not receive a command or does not recognise the command while the dialogue is switched on, it answers with the question **"Pardon?"** and thus makes it possible to pronounce a new command. If the system does not receive a second voice command, you will be offered help. If the system does not receive a third voice command, you receive the message **"Cancel"** and the voice control switches off.

Optimum understanding of the commands depends on several factors:

- Speak with a normal tone of voice without intonation and excessive pauses.
- Avoid a bad pronunciation.
- Do not use any abbreviations - always pronounce the full command.
- Do not speak, if the system makes an announcement. As long as the system has not finished the announcement, it will not react to an additional command.
- Close the doors, windows and sliding roof, in order to avoid disturbing influences of the environment on the understanding of the commands.

- We recommend to speak louder at higher speeds; but with a calm voice, so that the increased surrounding noise does not drown out the command.
- During the dialogue limit additional noise in the vehicle, e.g. simultaneously talking occupants.
- The microphone for voice control is directed to the driver as well as to the front passenger. Therefore the driver and the front passenger can operate the unit.

Dialogue

The period of time in which the system is ready to receive voice commands and to carry them out is called a **dialogue**. The system reacts with an audible feedback and guides you through the individual functions.

Selecting long and short dialogue

The nature of the dialogue can be set by pressing the button  on the unit and by pronouncing the command **"long dialogue"** or **"short dialogue"**.

The nature of the dialogue can also be set manually in the operating mode *SETUP* → **(Voice control)** → **(Dialogue style)** → **(Long)** or **(Short)**.

If you select the short dialogue, the system shortens some messages or replaces them by an audible signal (gong), thus the operation is accelerated.

If you select the long dialogue, the system gives the whole message without shortening it.

The entered voice commands are the same for the long and short dialogue.

Interrupt messages

The message just given can be ended by briefly pressing the button  on the unit. Thus, it is possible to pronounce an additional voice command sooner.

Voice commands

The voice control is only possible in the following languages:

Czech, English, German, French, Spanish, Portuguese, Dutch, Italian.

Due to the large number of possible voice commands, we give here only a few examples. Therefore, please observe the system guidelines when entering voice commands.

The system only recognises 30 000 entries (i.e. it will only recognise 30 000 of the largest cities for the selected country, for example, in the operating mode NAV. If the desired city is not included in the 30 000 entries, it cannot be pronounced normally, but it must be entered by spelling it out.

Call up the general information for the voice control by briefly pressing the button  on the unit and by pronouncing the command **"Instructions"**. Then you hear a message that the instructions are divided into seven parts. If you want more detailed information about individual parts of the instructions, pronounce for example the command **"Manual part 2"**.

Call up the general help for individual operating modes by briefly pressing the button  on the unit and by pronouncing the command **"Help short commands"**.

Changing between the operating modes

If you wish to change between the operating modes after switching on the voice control, always pronounce the name of the operating mode in which you wish to change. This means, if you are in the operating mode *RADIO* and you wish to change into the operating mode *MEDIA* pronounce the command **"Media"**. Always pronounce the names of the operating modes *PHONE*, *MAP*, *NAV* as **"Telephone, map, navigation"**.

In each operating mode, you can also use the voice commands for other operating modes - the device automatically switches between the different operating modes.

Voice command "Help"

Help can be called up by pronouncing the command **"Help"**. Depending on the operating mode in which you are, the help given will offer different possibilities. If the possibilities offered are not sufficient, pronounce the command **"further options"**.

If you pronounce the command **"Help"**, you can hear a message on how the command should be correctly pronounced (e.g. **"auto Zoom"**).

Help display

If you want the help to be displayed on the touch-screen of the unit, you must only activate it (then deactivate it) manually in the operating modes *SETUP* →

(Voice control) → **(Visual help)**.

The help display can be set separately for each operating mode in the system (this means, if you only set the help display for the operating mode *MAP*, it is only displayed in this operating mode).

The range of these commands is indicated in the pop-up window **Possible commands are**:

If you do not wish the help display to be shown when the dialogue is switched on, pronounce the command **"Fade out"** while you are in the help display or press the function key **(Fade out)**. The help display is shown again after repeatedly switching on the dialogue.

Voice recording

In the operating modes *PHONE*, *NAV* and *RADIO* a short voice recording can be set up; after pronouncing the recorded term the desired command is carried out (e.g. in the operating mode *PHONE*, a voice recording can be set up besides a telephone contact and after pronouncing it the system carries out the selection procedure.

Further voice commands

If you wish to scroll through the lists in the operating modes *MEDIA*, *PHONE*, *NAV*, *RADIO* (e.g. in the operating mode *RADIO* in the list of the radio station), you must pronounce the command **"next page"** or **"previous page"**.

If you are in a list in which the details are shown (e.g. in the operating modes *NAV*, **(New dest.)** **(Last destinations)**), pronounce the command **"Options for entry"** and then select a number by pronouncing the command **"Options for entry 3"** or **"Info for entry 3"**.

Certain voice commands in the operating mode RADIO

If you pronounce the command **"Read station list"**, the system reads the list of the radio stations. The desired selected radio station can be selected by briefly pressing the button  on the unit during the message, then the system offers selection possibilities for the selected entry.

If you directly pronounce a station name, the system switches over to the desired station.

Examples for voice commands in order to operate buttons on the touch-screen of the unit:

- **"next station"** 
- **"previous station"** 

Certain voice commands in the operating mode MEDIA

Examples for voice commands in order to operate buttons on the touch-screen of the unit or examples for voice commands for which no help display is indicated:

- **"Back"**  - return one step back and end the dialogue (function key  can also occur in other operating modes),
- **"Up"** ,
- **"Next title"** ,
- **"Previous title"** ,
- **"Pause"** ,
- **"Play"** ,
- **"Bluetooth audio"** .

Certain voice commands in the operating mode PHONE

The digits **zero to nine** are permitted. The system detects no continuous digit combinations such as twenty-three, but only individually spoken digits (two, three).

You can enter the telephone number as a continuous row, as individually spoken digits (the whole number at once) or in the form of digital blocks (separated by short pauses). After each digital block (separated by a short pause) the system repeats the detected digits.

Before entering the digits, you can enter additionally a symbol **"Plus (+)"** for international calls.

If you pronounce the command **"Read out telephone book"**, the system reads out the telephone book. The desired telephone contact can be selected by briefly pressing the button  on the unit during the message, then the system offers selection possibilities for the selected entry.

Certain voice commands in the operating mode MAP

Examples for voice commands in order to operate buttons on the touch-screen of the unit or examples for voice commands for which no help display is indicated:

- **"Driving direction"**  and **"Direction North"** - changes the orientation of the map,
- **"Move map"** - moves the map, then pronounce the command **"to the left"**, **"to the right"**, **"up"**, **"down"**,
- **"Position map"** or **"Reset display"** - if the display of the current position  on the map has moved with the complete map from the centred position to both sides, to the top or to the bottom, the map is again centred.

- **"Orientation zoom"**, **"Rocket zoom"**  - briefly switches the map display to the overview display (small scale). It returns again to the last display (large scale) after a few seconds,
- **"Zoom in"**  or **"zoom out"**  - enlarges or reduces the map scale.
- **"Show info"** - shows info (e.g. GPS coordinates) of the entry which was displayed in the map.
- **"Save"**  - if you wish to save for example the selected route in the operating mode NAV.

Certain voice commands in the operating mode NAV

If you pronounce the name of the desired city and the system is not sure about the entry made or the name of the city is identical to other cities, it offers a list of cities with the utmost probability. You can scroll through the commands **"next page"** or **"previous page"** in the list, then chose the desired city by pronouncing the command e.g. **"Number 1"** or **"1"**.

While in the operating mode NAV, the system does not allow you to enter post codes. ■

SETUP

Main menu SETUP

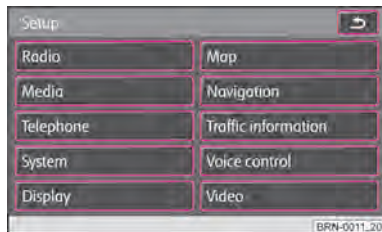


Fig. 3 Main menu SETUP

Press the button **SETUP** followed by the function key:

- **Radio** ⇒ page 11, Setup Radio;
- **Media** ⇒ page 11, Media Set-Up;
- **Phone** ⇒ page 12, Setup Telephone;
- **System** ⇒ page 12, Setup System;
- **Display** ⇒ page 12, Setup Display;
- **Map** ⇒ page 12, Setup Map;
- **Navigation** ⇒ page 13, Setup Navigation;
- **Traffic information** ⇒ page 13, Setup Traffic information;
- **Voice control** ⇒ page 13, Setup Voice control;
- **Video** ⇒ page 13, Setup Video.

Setup Radio

Press the button **SETUP** and then the function key **Radio**.

- **Arrow keys** - arrow keys
 - **Station list** - select radio station from the list of all radio stations which are currently available
 - **Preset list** - select radio station from the list of all saved radio stations

- **RDS Regional** - Switch on/off automatic station tracking with the help of RDS
 - **Automatic** - auto-selects station with the best reception at the moment
 - **Fixed** - the selected regional station remains set for as long as possible
- **✓Traffic program (TP)** - switch traffic radio alerts on/off
- **Current TMC stat.:** - show TMC station from which traffic alerts are currently being received
- **Favourite TMC station** - set your preferred TMC station
 - **Automatic** - auto-selects station with the best reception at the moment
 - select from the list of TMC stations
- **Delete preset list** - delete the stations saved in the preset list

Note

- **RDS (Radio Data System)** used to transmit program IDs and additional services, thus enabling automatic station tracking, for example. In the event of sufficiently satisfactory reception, the suitable RDS radio stations will display the station name instead of the station frequency.
- **TMC (Traffic Message Channel)** is a digital radio data service for the continuous transmission of traffic information.

Media Set-Up

Press the button **SETUP** and then the function key **Media**.

- **✓Activate AV input** - for playing an optional external audio/video source if a TV tuner is installed.
- **✓Activate AUX input** - for playback of an external audio source
- **✓Bluetooth audio autoplay** - activates auto-play from a media player
- **AUX input level** - sets the input sensitivity for an external source.
 - **Low** - low input sensitivity
 - **Medium** - medium input sensitivity
 - **High** - high input sensitivity

- **[Deactivate artist/title name]** - according to the set-ups the title and performer name or only the data and folder name will be displayed for audio CDs with CD texts and in the MP3 operation.
- **[Scan/Mix/Repeat including subfolders]** - plays all MP3 data one after the other according to the sequence on the played medium, which are stored in the folders and subfolders.

Setup Telephone

Press the button **[SETUP]** and then the function key **[Telephone]**.

- **[Update telephone book]** - loads the phonebook from the mobile phone to the memory of the navigation system. This procedure can take a few minutes.
- **[Delete call lists]** - deletes saved call lists
- **[Delete text message]** - deletes text messages (SMS)
- **[Speed dial]** - edits speed dial keys
- **[Deactivate telephone]** - deactivates the phone
- **[Restore factory settings]** - resets device to factory settings- deletes user profiles

Setup System

Press the button **[SETUP]** and then the function key **[System]**.

- **[Language]** - Menu language for the displays and the language messages
 - **[Automatic]** - auto-detection of menu language, depends on the setting in the information display
 - or direct selection of the required language from a list
- **[Date format]** - sets up the date format
- **[Time display]** - displays current time on the touch screen in the operating modes *RADIO, MEDIA and MAP*
 - **[Off]** - switches off
 - **[On]** - switches on
- **[Date]** - Sets up date
- **[Factory settings]** - restores factory settings
 - Select setting to be restored
- **[Reset]** - resets device to factory settings- deletes user profiles

Setup Display

Press the button **[SETUP]** and then the function key **[Display]**.

- **[Brightness]** - adjust the screen brightness
 - **[Brightest]** - brightest level
 - **[Brighter]** - brighter level
 - **[Medium]** - medium level
 - **[Darker]** - darker level
 - **[Darkest]** - darkest level
- **[Day/Night]** - sets up display mode
 - **[Automatic]** - controlled using the available vehicle sensors
 - **[Day]** - Setting for daytime running
 - **[Night]** - Setting for nighttime running
- **[Acoustic feedback]** - Setting for confirmation tone
 - **[On]** - switches on
 - **[Off]** - switches off
- **[Switch off display]** - it is possible to switch the display to the so-called energy saving mode. Only information about the audio source currently being played back in displayed in the lower display line.

The display can be switched on again by touching the touch-screen or by pressing any button, except the control button.

Setup Map

Press the button **[SETUP]** and then the function key **[Map]**.

- **[Split-screen]** - Position of the split-screen in the map view
 - **[Left]** - left
 - **[Right]** - right
- **[Dest. guidan. symbol]** - displays the navigation instructions and compass in the split-screen in the 2D and 3D view
- **[Destination display]** - displays information about the destination ⇒ page 29, Function keys and symbols during route guidance
 - **[Destination]** - destination
 - **[Next stopover destination]** - next stopover
- **[POI selection]** - selects points of interest displayed on the map using symbols

- **Show VIP destination symbols** - displays destinations saved as favourites in the map with the symbol from the selected favourite category
- **Show speed limitation** - the current speed limitation for the current road section is displayed in the screen

Setup Navigation

Press the button **SETUP** and then the function key **Navigation**.

- **Suggest 3 alternative routes** - suggests 3 alternative routes for the destination ⇒ page 34, Function key "Options"
- **Nav. announcements** - sets up navigation announcements
 - **Off** - switches off
 - **Dynamic** - spoken driving recommendations are only provided when you have left the calculated route, for example on the basis of announced traffic problems.
 - **On** - switches on
- **Time display** - setup the time display in the lower part of the map
 - **Time of arrival** - displays time of arrival
 - **Remaining time** - displays remaining driving time
- **My points of interest** - import your own points of interest from the memory card
- **Define home address** - edit "Home address" ⇒ page 35, Function key "↵ Home"
 - **Destination entry** - displays screen for entering the destination ⇒ page 34, Function key "⏏ Address"
 - **Current position** - saves the current position as a home address
 - **Delete** - Delete numbers
 - **Edit** - edits home address
 - **Set current position** - saves the current position as a home address
- **Advanced navigation settings** - advanced navigation settings
 - **Demo mode** - start a virtual route guidance
 - **Enter start location** - enter start location for the demo mode
 - **Av. speed for time calc.** - the time of arrival or the journey time is calculated in the demo mode based on the configured average speed
 - **Fast** - high speed
 - **Medium** - medium speed
 - **Low** - low speed

Setup Traffic information

Press the button **SETUP** and then the function key **Traffic information**.

- **Favourite TMC station** - set your preferred TMC station
 - **Automatic** - automatic TMC station finding
 - select favourite TMC station from a list
- **TMC filter** - setup display of the traffic reports
 - **All** - displays all current traffic reports
 - **On Route** - only display traffic announcements which relate to the route being driven
- **Traffic programme (TP)** - switches traffic programme on/off ⇒ page 15, Traffic Program TP

Setup Voice control

Press the button **SETUP** and then the function key **Voice control**.

- **Dialogue style** - sets up dialogue style ⇒ page 8, Dialogue
- **Visual voice command help** - Visual voice command help displays an overview of the most important commands in a pop-up. The visual voice command help can be set separately for each operating mode in the system (this means, if you only set the "help display" for the operating mode MAP, it is only displayed in this operating mode).
- **Delete voice tags** - deletes your voice entries
 - **All** - deletes all stored entries
 - **Telephone book** - phonebook
 - **Radio memory** - radio memory
 - **Navigation memory** - navigation memory

Setup Video

Press the button **SETUP** and then the function key **Video**.

- **Audio language** - sets up the language of the voice output
- **Menu language** - sets the language for the DVD menu
- **Subtitles** - subtitles

- **DVD format** - sets DVD format
 - **4:3** - Format 4:3
 - **16:9** - Format 16:9

Setup TV

Press the button **SETUP** and then the function key **Video**.

- **TV search mode** - searches for TV stations
 - **Station list** - select TV station from the list of all TV stations which are currently available
 - **Preset list** - displays TV stations saved in the station memory.
- **TV Norm** - edits TV Norm
- **TV format** - adjusts TV image format
 - **4:3** - Format 4:3
 - **16:9** - Format 16:9
- **TV audio channel** - selects voice channel for two-language audio "●o"
 - **Channel A** - voice channel A
 - **Channel B** - voice channel B
- **Automatic DVB-T/Analogue switch** ☒ - searches for the selected TV station in analogue/digital format
- **Delete TV preset list** - deletes TV preset list
- **AV1 Norm** - playback norm, always for a single external audio or video source only
- **AV2 Norm** - playback norm, always for a single external audio or video source only

RADIO mode

Main menu RADIO



Fig. 4 Main menu RADIO

- Press the button **RADIO** - main menu **RADIO**

Function key **Band**

- **FM** - Frequency band FM
- **AM** - Frequency band AM

The frequency band can also be changed by repeated pressing of the **RADIO** button.

Function key **Station list**

- Opens the list of all FM stations which are currently in range. If one of the stations in the station list is already saved, the number of the preselection is displayed.

Function key **Presets**

- **Presets 1...6** - displays preset keys 1 - 6
- **Presets 7...12** - displays preset keys 7 - 12
- **Presets 13...18** - displays preset keys 13 - 18
- **Presets 19...24** - displays preset keys 19 - 24

Toggle between radio station presets with the buttons **◀** or **▶** - using the Settings "arrow keys" (**Presets** appears on the display) or all FM stations which are currently in range ⇒ page 11, Setup Radio.

Save radio stations in the station list - set the required radio station and keep the function key **1** to **24** pressed until you hear the signal tone.

Function keys **Extras**

- **Scan** - auto--play all stations in the current frequency band, each station for around five seconds. Press the set button **15** or function key **▶ Scan** again to end the automatic play of the currently heard radio station.
- **TP** - switches traffic programme on/off ⇒ page 15, Traffic Program TP
- **Switch off display** - it is possible to switch the display to energy saving mode- the display goes black and the current information about the audio source is shown in the bottom row. The display can be switched on again by touching the touch-screen or by pressing any button, except the control button.

Function key **Man.**

Radio stations can be set manually by turning the button **15** or with the function keys **◀** **▶** in the display row at the bottom.

Traffic Program TP

Press the button **RADIO** and then the button **Extras** → **TP** - switches on/off the traffic programme alerts.

The display "**TP**" in combination with a station name (e.g. in the station or preset list), indicates a traffic programme station.

Irrespective of which radio station is heard, an additional receiver part in the unit ensures that a traffic programme station can always be received as long as the traffic programme function is switched on.

The availability of traffic programme alerts is identified by the letters "**TP**" at the top right of the display.

If no traffic programme station can be received because, for example, radio reception is interrupted in general, "**No TP**" will be displayed instead of "**TP**".

MEDIA mode

MEDIA main menu

Main menu MEDIA - Overview



Fig. 5 MEDIA main menu

Depending on the selected media source, the main menu *MEDIA* is shown as *Audio* or *Video*.

Calling up the main menu MEDIA and changing the media source

- Press the button **MEDIA**, in order to open the *MEDIA* main menu. The last used media source will continue to play.
- If video and audio and video sources are selectable at the unit, use the **MEDIA** range selector key to change between the last audio and the last video source.

Menu Audio:

- Call up the **MEDIA** - main menu *MEDIA* and change the media source.
 - **CD** - changes over to an inserted CD/DVD.
 - **CD int.** - CD in the unit's internal drive
 - **CD ext.** - CD in the external CD changer
 - **SD card** - changes over to an inserted memory card ⇒ page 18, Memory card.
 - **HDD** - changes to the audio data stored on the internal hard disk ⇒ page 20, Hard drive (HDD)
 - **AUX** - changes over to an external audio source connected to the AUX multimedia port ⇒ page 19, AUX input

- **AUX** - changes over to an external audio source connected to the AUX multimedia port ⇒ page 19, MDI input- multimedia socket
- **Ⓜ** - changes over to a connected * external audio source.
- **Video** - Video sources - Menu *Video* ⇒ page 20, Video mode, ⇒ page 22, TV mode.
- **Repeat** - displays repeat options
 - **Title** - repeats current title
 - **CD** - repeats all titles on the current CD
 - **Folder** - repeats all titles in the current folder (MP3 mode)
- **Extras** - displays playback options
 - **Mix** - plays all tracks in the current audio source in random order
 - **► Mix** - returns to normal playback
 - **Scan** - plays all the titles of the current media source for approximately 10 seconds The auto-play feature can also be started or stopped by briefly pressing the setting button **15**.
 - **► Scan** - returns to normal playback
 - **HDD capacity** - Information on the filled/empty space on the free memory card on the disk drive (HDD).
 - **Switch off display** - it is possible to switch the display to energy saving mode- the display goes black and the current information about the audio source is shown in the bottom row. The display can be switched on again by touching the touch-screen or by pressing any button, except the control button.
- **Select** - opens the title list of the current audio source in order to select another title or audio source.
 - **⏪** - displays higher-level folder, changes over to the main menu of the audio sources
 - **Title** - starts the playback function of the selected title.
 - **☑** - saves folder, playlist and data medium to the HDD ⇒ page 20, Hard drive (HDD).

Unit buttons for controlling the current audio and video source

The arrow buttons on unit **⏪** or **⏩** will always affect the currently heard audio source, irrespective of the current menu used.

◀ - pressing this briefly changes over to the beginning of the current title or chapter, repeated pressing changes over to the beginning of the previous title or chapter.

▶ - pressing this briefly changes over to the beginning of the next title or chapter, repeated pressing changes over to the beginning of the next title or chapter.

It is also possible to change tracks in the menu of the currently played audio source using the control button (15).

Unit buttons for controlling the current audio and video source

◀◀ - pressing this briefly changes over to the beginning of the current title or chapter, repeated pressing changes over to the beginning of the previous title or chapter.

▶▶ - briefly pressing this changes over to the next title or chapter.

⏸ - Pause: the play function is stopped in the current position and the symbol changes to ▶ - after pressing, the play function will continue in this position.

Note

If the volume is reduced to 0 during playback from a CD, the hard drive or another audio source, the symbol ▶ changes to ⏸ and playback is interrupted.

General information for CD/DVD operation

Audio-CDs (CD-A) and Audio-DVDs, MP3-CDs and MP3-DVDs as well as Video-DVDs can be played in the internal CD/DVD drive.

Insert CD/DVD

Insert a CD with the written side facing up as far as possible into the CD case (11) until it is automatically drawn in. The play function will start automatically.

Remove CD/DVD

Pressing (A) - ejects the CD/DVD.

If the "ejected" CD is not taken out within 10 seconds, it will be retracted again for safety reasons.

CD not legible

If you insert a CD/DVD which cannot be read by the unit, a pop-up window is displayed with a note. The CD/DVD is moved to the eject position within a few seconds.

If the CD/DVD is not taken out within 10 seconds, it is drawn in again for safety reasons.

CD to jump

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

Formation of condensation

When it is cold and after rain showers, moisture can deposit in the CD/DVD drive (condensation). This can effect the CD jump or impair the play function. In such cases wait until the moisture has dissipated.

Notes for the care of the CD/DVDs

If a CD/DVD is soiled, never clean it in the direction of a circle but rather from inside to outside with a soft lint-free cloth. In case of severe layers of dirt we recommend to clean the CD/DVD with a commercially available CD/DVD cleaner. Also in this case do not clean the CD/DVD in the direction of a circle but rather from inside to outside and then let it dry off.

MP3 and WMA Data (Windows Media Audio)

Playable MP3 and WMA data can also be stored on the hard disk of the unit
⇒ page 20, Hard drive (HDD).

The copyright of audio data compressed by Windows Media Audio, can also be protected by the DRM procedure (Digital Rights Management). Such WMA data is not supported by the unit.



WARNING

The CD/DVD player is a 1st class laser product. There is a risk of injury from invisible laser beams if you open the CD/DVD player.



CAUTION

- Never place *Eco Disc* CDs into the internal drive.
- Inserting a second CD/DVD while a CD/DVD is being ejected can destroy the CD/DVD drive in the unit. After pressing the **Eject button** (A) there is a delay of a few seconds before the CD/DVD is ejected. During this time the lock in front of the CD/DVD case is open. It is essential that you wait until the CD/DVD has been fully ejected before you try to insert a new CD/DVD.

- If the CD/DVD drive becomes mechanically defective or a CD/DVD has been inserted incorrectly or not fully, **"CD fault will be displayed. Please check CD."** and then the **"DVD drive fault"** indicated on the touch-screen. Please check the CD/DVD and place it again correctly and fully into the drive. If a **"CD/DVD drive fault"** is indicated again, please contact your ŠKODA Service Partner.
- If the inside temperature of the unit is too high, no CDs/DVDs will be accepted. The unit switches into the last active operating mode.
- Never use liquids such as gasoline, paint thinner or disk cleaner, otherwise the surface of the CD/DVD could get damaged!
- Never expose the CD/DVD to direct sun rays!
- Only write on the CD/DVD with appropriate writing tools.
- Do not affix anything to the CD/DVD!



Note

- If the function key is inactive, no new Audio CD/DVD has been inserted or an inserted Audio CD/DVD is not readable.
- It is possible that CDs/DVDs protected by copyright and non-original CD-R, CD-RW and DVD-RWs are not returned at all or only in certain circumstances.
- WMA audio data (Windows Media Audio) can also be replayed by the unit and stored on the hard disk (HDD) providing this has not been protected by the DRM procedure copyright (Digital Rights Management). The operation and behaviour of the unit complies with the MP3 compressed audio data and are not described further.
- Please observe the following information for the MP3 operation ⇒ page 18, General information for MP3 operation.
- Please comply with the national legal copyright requirements in your country.
- The DVD drive installed into this unit uses a Dolby Digital® Audio coding system and MLP Lossless® for highest reproduction quality even with standard Audio DVDs. "Dolby®", "MLP Lossless®" and the Double-D-Symbol are trademarks of Dolby Laboratories®.
- With the help of "DTS®" and "DTS 2.0®" the surrounding sound of a DVD is transformed and replayed in best stereo quality. "DTS®" and "DTS 2.0®" are registered trademarks of DTS, Inc.
- Dirt or damage of a CD/DVD can lead to difficulties when "reading" the information. The difficulty in reading the error depends on the dirt or on the severity of the mechanical damage. Severe scratches cause reading errors which can make the CD jump or "get stuck". All CDs/DVDs must be treated carefully and always be stored in a protective case. ■

General information for MP3 operation

Requirements for the MP3 data and data carrier

- CD-ROM, CD-R, CD-RW with a capacity of 650 MB and 700 MB.
- 4.7 GB DVDs and up to 8.5 GB Double Layer DVDs.
- The CDs/DVDs must correspond to the ISO 9660 Level 2 standard as well as the Joliet data system (single and multi-session).
- Data names must be no longer than 64 characters.
- The list structure is restricted to a depth of 8 list levels.
- The name of the artist, the album and the title of the reproduced MP3 data can be shown as ID3 tag, providing this information is available. The list and data name will be displayed if there is no ID3 tag.
- WMA data (Windows Media Audio) can also be played even if the copyright is additionally protected by the DRM procedure (Digital Rights Management). Such WMA data is not supported by the unit.
- The operation and behaviour of playable WMA data conforms to the MP3 data and will not be described further.

Bit rate (data flow per time unit)

- The system supports MP3 data with bit rates of 32 to 320 KB/s as well as MP3 data with variable bit rates.
- The indicated playing time data with variable bit rates is not reliable. ■

Memory card

Only MP3 data and unprotected WMA data can be read from the SD card. All other data is ignored.

Playable MP3 and WMA data can also be stored on the hard disk of the unit
⇒ page 20, Hard drive (HDD).

Insert memory card

Push the memory card into the memory card case with the trimmed edge to the front right until it "locks into place". The play function will start automatically.

Remove the memory card manually

Press the inserted memory card. The memory card "jumps" into the initial position. ►

Memory card empty or data not readable

If a memory card is inserted, on which no audio data has been stored, it will **not** be switched over into the memory card mode after the loading procedure.

Requirements of the memory card

- Memory cards measuring 32 mm x 24 mm x 2.1 mm or 1.4 mm can be inserted into the memory card case.
- SD (Secure Digital Memory Cards) and MMC (Multimedia Cards) memory cards with a capacity up to 4 GB.
- SDHC (Secure Digital High-Capacity Memory Cards) memory cards with a capacity up to 32 GB.
- It is possible that some of the files on the memory cards cannot be reproduced and have limited playback. Due to differing quality requirements from different card manufacturers, it is not possible to guarantee the playback of memory cards under all circumstances.

External sources

AUX and MDI input

AUX input

Press the button **[MEDIA]** and then the function key **[AUX]**.

External audio sources connected to the AUX socket **cannot** be operated via the navigation system. Only the volume can be controlled from the navigation system.

Use the standard jack plug 3.5 mm for the AUX socket. If the external audio source does not have this jack plug, you must use an adapter.

MDI input- multimedia socket

Press the button **[MEDIA]** followed by the function key **[MDI]**.

Audio data in MP3, WMA, OGG Vorbis and AAC format from the external data stickers, connected to the multimedia socket, can be played via the radio.

External audio sources connected to the MDI socket **can** be operated via the navigation system.

iPod

If an iPod is connected to the MDI input, a menu is opened in which you can select the folders of the iPods (playlists, artists, albums, songs etc.).

Adjust the play function volume of the external audio source

The play function volume of the external audio source can be changed via the volume control on the navigation system **①**.

Depending on the connected audio source, the output volume on the external audio source can be changed.

You can also change the input sensitivity of the external audio source → page 11, Media Set-Up, in order for the play function volume of the external audio source to adapt to other audio sources or to avoid distortions of the play function volume.

Adapter

A special adapter is required to connect audio sources via the input **MDI**.

We recommend that you purchase an adapter for connecting the USB devices, the devices with Mini USB output or an iPod, at an authorised ŠKODA Service Partner.

Conditions for proper connection

- Only USB devices with the specification 2.0 can be connected.
- The version of the file allocation table FAT (File Allocation Table) of the connected device must be FAT16 (< 2 GB) or FAT32 (> 2 GB).
- In order to replay from a unit with a hard disk (HDD) which includes a large data volume, it can lead to a time delay when reading in the overview of the music data.
- In order to replay from a unit, which includes a complicated folder structure, it can lead to a time delay when scanning the audio files.
- The folder structure in the connected unit must not exceed a depth of 8 levels. One folder must not contain more than 1000 data.
- A USB extension cable or USB distributor (HUB) must not be used to connect the unit.



WARNING

- On no account place an external audio source on the dash panel. You could make sudden manoeuvres in the passenger compartment and injure the occupants.
- On no account place an external audio source close to the airbags. You could be thrown back in the passenger compartment by the airbags being deployed and injure the occupants.

⚠ WARNING (Continued)

- You must not hold the external audio source in the hand or on the knees while driving. You could make sudden manoeuvres in the passenger compartment and injure the occupants.
- Always guide the connection cable of the external audio source in such a way that it does not restrict you when driving.

⚠ CAUTION

The AUX socket must only be used for audio sources!

ℹ Note

- The external audio source, which is connected via AUX-IN, can only be used if no unit is connected via MDI at the same time.
- If an external audio source is connected via AUX, which is equipped with an adapter for external power supply, it can occur that the audio signal is interrupted. This depends on the quality of the adapter which is used.

Hard drive (HDD)

Store MP3 and WMA data on the hard disk (HDD)

Saving 100 music titles of average length of time (3 - 5 minutes) will take approximately 40 minutes.

If the unit is switched off during the saving process, the saving process will be terminated with the last fully saved title.

Select, save and edit title name and folder

On the memory card, choose the title or folder you want to save on the hard drive.

- Press the button **[MEDIA]** followed by the function key **[Selection]**.
 - **[Menu]** - open menu for the folder editing
 - **[Play]** - automatic playback
 - **[Copy]** - saves title or folder to the hard drive
 - **[Insert file/folder here]** - saves directly to the current folder of the hard drive
 - **[New folder]** - creates a new folder
 - **[Cancel]** - cancels save

- **[Rename]** - opens input display for changing the title or folder name
- **[Delete]** - deletes the selected title or folder

A folder can have a max. of 7 sub-folders. Press the function key **[F1]** to open the appropriate higher priority folder.

You can continue listening to this or another audio source while storing other audio data.

Video mode

Insert Video-DVD and start



Fig. 6 Operating the DVD/Film menu

Push a Video-DVD with the printed side facing up as far as possible into the CD/DVD case until it is automatically drawn in.

The Video-DVD will start automatically. The readout of the data from the Video-DVD can take a few seconds, during which time the touch-screen turns dark.

The TV picture will only be displayed when the vehicle is stationary. The touch-screen is switched off while driving, but the sound can still be heard.

Briefly press the display to fade in the DVD menu.

All the buttons are faded out in the full picture display. Briefly press on the touch-screen to fade in the DVD menu again.

If you repeatedly press the free part of the touch-screen, the DVD menu will fade out again. The DVD menu will automatically fade out after about 15 seconds if not used.

Aspect ratio (4:3 or 16:9)

The film started with the pre-set aspect ratio (4:3 or 16:9). Change the aspect ratio in the menu *Video-Setup* ⇒ page 13, *Setup Video*.

The Video-DVD menu

- **AV** - changes over to a connected external video source
- **TV** - changes to the TV mode.
- **DVD** - changes to a CD/DVD drive inserted in the Video DVD drive
- **Audio** - changes to the *Audio* menu
- **Menu** - changes to the Film menu ⇒ [fig. 6](#)
- **Display** - change the brightness, contrast and colour settings of the display
- **Chapter** - changes to the chapter list
- **⏮** - pressing briefly changes to the beginning of the current chapter, repeated pressing changes to the beginning of the previous chapter.
- **⏭** - briefly pressing changes to the next chapter.
- **⏸** - the play function is stopped in the current position and the symbol changes to **⏸** - after pressing **⏸** the play function continues in this position. ■

TV mode

Explanation of the technical terms

"Terrestrial television" or DVB-T (Digital Video Broadcasting-Terrestrial)

With DVB-T, digital television signals are transmitted terrestrially (earthbound) and can also be received via an aerial. DVB-T therefore offers mobile reception of high quality without the need of a fixed aerial connection. DVB-T is therefore described as "**Terrestrial television**".

Advantages of DVB-T

In addition to a significant gain in quality, the transmitter capacity of a television channel can be realised more effectively through digital transmitter technology rather than analog signals. The greater data rate enables several programs of one television channel to be transmitted bundled in one data flow (so called "Multiplex"). Part of the transmitter capacity can also be used for additional services, e.g. electronic program guides or radio.

"Hybrid tuner" for analog and digital reception

The supply of DVB-T has up to now been restricted to densely populated regions, so that an analog television receiver in the vehicle is still a prerequisite. It is for this reason that a **Hybrid tuner** was developed for the unit, which consists of a common analog TV receiver and a DVB-T receiver.

Display of analog and digital TV stations

The TV stations which can be received are indicated in the information display and when switching over and calling up the TV menu on the display. Analogue and digital TV stations are displayed differently and are marked on the touch-screen with "**Analog**." or "**DVB-T**".

Overview

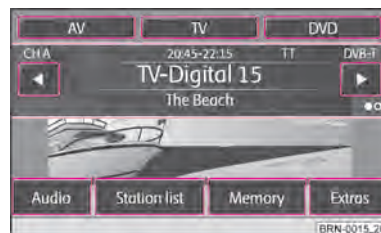


Fig. 7 TV menu

The TV picture will only be displayed when the vehicle is stationary. The touch-screen is switched off while driving, but the sound can still be heard.

TV menu

- Press the button **(MEDIA)**.
 - **(TV)** - The last set TV channel will be displayed in the pre-set aspect ratio in full picture mode ⇒ page 14, Setup TV You can open the *TV menu* by pressing the display.
 - **(◀)** or **(▶)** - changes to the next TV stations on the station list, analogous to the arrow keys on the unit.
 - **(Audio)** - changes to the *Audio menu* and plays the last selected audio source.
 - **(Station list)** - opens the station list of the presently receivable analog TV stations as well as the digital TV and radio stations.
 - **(Memory)** - opens the preset list of the manually receivable analog TV stations as well as the digital TV and radio stations.
 - **(Save)** - saves the current TV station
 - **(M)** and afterwards **(Delete)** - deletes the saved TV station
 - **(Extras)** - opens menu with additional functions
 - **(T-TXT)** - opens the video text page of the currently received station if video text is available for the received TV station
 - **(Display)** - shows menu for changing display settings
 - **(EPG)** - opens the overview of the electronic program guide if digital TV stations can be received at the location via DVB-T.
 - **(Manual)** - changes to manual set-up of a TV channel via the arrow keys on the unit or in the display of the TV main menu

Turn Set button ① to manually adjust a TV channel or digital TV station.

Displays in TV mode

Some television stations offer bilingual programs in "dual channel tone". In the *Setup Video* ⇒ page 14, Setup TV you can choose which language (language channel) you want to listen to. In this case "**Channel A**" or "**Channel B**" will be displayed at the top left on the touch-screen.

A program in stereo will also be indicated by the symbol "∞" on the right on the touch-screen under the function key . A programme in dual channel tone will be indicated by the symbol "●○". You can choose the audio channel in the *TV set-ups* ⇒ page 14, Setup TV.

If a TV station also transmits **Video text**, "**VT**" will be displayed at the top right on the touch-screen. If video text is not available for the current station, the video text function " will be indicated after call up.

If the set digital TV station supports the electronic program guide it will be indicated accordingly by "**EPG**" (Electronic Program Guide) at the top right in the touch-screen. If EPG is not generally available at the location, only " will be displayed after call-up of the EPG function via the function key .

Display video text

Press the button followed by the function key → → .

Press function key or to change over to the next or previously available page. Video text pages are generally clearly identified by their number. Non-assigned numbers are skipped over with the arrow keys when relayed.

If you press on the display of the video text page on the touchscreen, the TV picture will also be displayed in the background of the video text page. If you press again on the touch-screen, the display of the TV picture in the background of the video text page will close again.

- freezes the display of the video text page on the current bottom page. This is because some video text pages consist of several subpages, which otherwise are displayed in automatic change-over form.

- enlarges the display of the current video text page. Pressing once will display the top half, pressing twice the bottom half of the current video text page over the full screen. Repeated pressing changes back to the normal display of the video text page.

In some countries, the corresponding language coding for the video text and the EPG of the TV tuners must be set by a ŠKODA Service Partner.

Electronic program guide EPG

- Press the button followed by the function key →
 - - Electronic Program Guide
 - - information on the selected and following sent programme
 - - the electronic program guide is closed and the selected TV station is shown in TV mode.

The electronic program guide is only available via DVB-T-received digital TV stations and only if they support EPG.

It is **not** possible to select the programs indicated in the list directly by pressing a key. The programs in the list can only be marked, displayed and called up via the right function keys. ■

PHONE mode

Overview

Main menu PHONE



Fig. 8 Main menu TELEPHONE

Individual functions in the menu *TELEPHONE* may depend on the equipment and the properties of the connected mobile phone.

Before connecting the mobile phone for the first time it is necessary to pair the phone with the radio navigation system - detailed information about this can be found in your vehicle's Owner's manual and phone operating guide.

When switching on the navigation system, this automatically connects with the mobile phone with which it was last connected. If it is not possible to connect with this mobile phone, the system automatically attempts to establish the connection to the next mobile phone which is in the list of the connected devices.

After the connection process, it will take a few minutes until the phone book data of the mobile phone connected to the radio unit is available.

Function keys in the main menu TELEPHONE

- Press the button **PHONE**.
 - **PHONE** - Accept a call, dial the entered number. After pressing, the call list is displayed in the main menu *TELEPHONE*.
 - **SOS** - Emergency
 - **Mobile box** - enter the number of the mobile box
 - **Name** - enter name
 - **Number** - enter phone number

- **Call list** - select phone number from a call list
- **Telephone book** - select phone number from the telephone book
- **DELETE** - delete entry
- **OK** - saves entry
- **Preset 2** to **Preset 6** - presets
- **DIAL** - Dial number
 - **DELETE** - delete numbers
 - **DIAL** - Dial number
- **Telephone book** ⇒ page 24, Telephone book
- **Call list** - call list
 - **Missed calls** - list of missed calls
 - **Dialled numbers** - list of dialled numbers
 - **Received calls** - list of received calls
- **SMS** - displays text messages (SMS) menu ⇒ page 26, SMS menu
 - **Inbox** - displays received text messages
 - **Write** - writes text messages
- **Extras** - opens menu with additional functions
 - **Switch off/on micro.** - switch microphone on/off during call
 - **Switch off/on ring tone** - switches on/off ring tone via the vehicle speakers
 - **Swit. off hands-free** - calls playback over phone only
 - **Swit. on hands-free** - calls playback over vehicle speakers
 - **Conference details** - connects/disconnects individual callers during a conference call ⇒ page 25, Conference call



WARNING

Concentrate fully at all times on your steering! As the driver you are fully responsible for road safety. Only use the system so that you are in full control of your vehicle in every traffic situation - risk of accident!

Telephone book

Call a call number from the telephone book

Press the button **PHONE** - to show additional entries in the *Telephone book* move the sliding regulator downwards. ▶

- - calls up the telephone book
 - - calls up information about the telephone book entry (pressing the phone number display dials that number)
 - - calls up the input screen display for number entry
 - DTMF key tones ⇒ page 25, DTMF key tones
 - - creates a voice entry. After saving, the following symbols appear near the position
 - - deletes voice entry
 - - play voice entry
 - - searches for an entry in the telephone book

Searching for an entry in the phone book

- Press the button .
 - - calls up the telephone book
 - - calls up the input screen
 - - Dial number
 - - change to the entry selected in the entry line
 - - closes the input screen without accepting the entries
 - - calls up the telephone book

Holding a conversation

Calls can be received even if the navigation system is switched off.

If you have started the process of connecting to a call number or accepted a call, the main menu *PHONE* will change to the display *Phone conversation*.

Incoming phone conversation

- - accept call
- - reject call

During the phone conversation

- If you press the function key during a phone conversation the current conversation will be switched to "mute" (Display: "Call being held"). This means that the connection remains intact, however the conversation is not transmitted.
- If you press the function key , again the conversation can be continued.
- If you press the function key during a phone conversation, the connection to the current call number will be terminated and the unit will change to the main menu *PHONE*.

Dial other phone numbers during a phone conversation

- Press on the function key during a phone conversation to put the current conversation on "hold" as described above.
- Select a new call number or select a stored call number.
- If you are holding an additional conversation, you can switch between both parties ("alternate").

"Call waiting" and changing between two parties (Alternate)

- If you are called while holding a conversation, the number and the name of the caller will appear below the current conversation on the touch-screen (Function: "Call waiting").
- Press the function key in the line "Incoming call" to reject the second call.
- Press the function key in the line "Incoming call" to accept the second call. The connection to the first party will be interrupted but not broken (Display: "Call being held").
- If you press the function key in the line "Call being held", the conversation with this party will continue and the other party will be "put on hold". In this way you can alternate between two parties.
- Press the function key , to break the connection to the call number displayed in this line.

Conference call

A conference call allows all callers to communication together in dialled and received phone conversations. All participants in the conference call can hear and talk to all other participants.

- the caller, person called takes part in the conference call

- the caller, person called is removed from the conference call

DTMF key tones

A particular DTMF key tone is assigned to each key of a phone. DTMF key tones are used, for example, for the input of a password via the phone or for choosing a colleague in a "Call center".

If a DTMF key tone has to be entered during a conversation, you can open the keypad field by pressing the function key at the bottom left and follow the instructions (for example: "For a private conversation with one of our co-workers, please press 3").

You can store a longer DTMF key tone on your mobile phone. If, during a conversation, this DTMF key tone has to be entered, call up the corresponding entry from the telephone book as described. ▶

If you press in the input mask on the function key **(Enter numbers)**, the displayed character sequence in the entry line will be played as DTMF key tone sequence.

Please note that in a DTMF key tone sequence the character "+" must not appear, as it interrupts the playing of a DTMF key tone.

SMS menu

The *SMS* menu can only be used when your vehicle has been equipped with the GSM III telephone preinstallation and the mobile phone is paired with the radio navigation system via the rSAP profile, refer to the Owner's manual of your vehicle.

Inbox

In the main menu *TELEPHONE*, choose the function key **(SMS)** followed by the menu item **(Inbox)** to call up list of received text messages. Read text messages are labelled with the symbol ; unread text messages with the symbol .

To open a received text message, press the field containing the particular message. The following options are displayed as well as the message text:

- **(Answer)** - reply to the text message
 - **(New text)** - create a new text message
 - **(Edit text)** - edit text message
- **(Delete)** - deletes text message
- **(Options)** - select options
 - **(Read out text)** - the navigation system reads out the text message
 - **(Return call)** - calls the sender of the text message
 - **(Copy)** - copies the text message to the mobile phone
 - **(Forward)** - forwards the text message

Next to each text message in the inbox is the function key **(⌂)**. Pressing this key calls up the following options:

- **(Copy)** - copies the text message to the mobile phone
- **(Forward)** - forwards the text message
- **(Delete entry)** - deletes text message
- **(Delete list)** - deletes all text messages in the list

Writing and sending text messages

From the main menu *TELEPHONE* press the function key **(SMS)** and select the option **(Write)**. An input screen appears.

If the message has more than 160 characters, it will be split into two or more separate messages.

To send the text message, press the function key **(⌂)**, a screen for entering the telephone number of the recipient will appear

You can also select the recipient in one of the following menus:

- **(Call list)** - call list
 - **(Missed calls)** - list of missed calls
 - **(Dialled numbers)** - list of dialled numbers
 - **(Received calls)** - list of received calls
- **(Telephone book)** - Phonebook

After entering a recipient, send the text message using the function key **(⌂)**.

The sent text message is neither displayed in the radio navigation system or in the mobile phone.

Note

The menu *SMS* only displays the **received** text messages which were received during the time the mobile phone was paired with the radio navigation system.

TONE

Sound settings

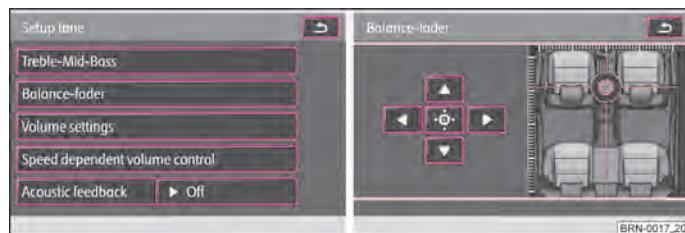


Fig. 9 Tone settings

- Press the button **TONE**.
 - **Treble - Mid - Bass** - Setting of bass, mid and treble
 - **Balance - Fader** - sets the sound focus (left-right Balance), (front-rear = fader, on the display, touch the target and move it into the required position → fig. 9)
 - **Volume settings** - sets the volume
 - **Max. switch-on volume** - Volume after switching on;
 - **traffic reports** - sets the volume for the Traffic program alerts (TP)
 - **Navigation and voice control** - sets the volume for the navigation and voice control
 - **Voice volume** - sets the voice volume for the voice control
 - **Nav. announcements** - sets navigation announcements → page 13, Setup Navigation
 - **Reduce entertainm. vol.** - reduces the volume of playing audio sources while navigation announcements are made
 - **Low** - weak reduction
 - **Medium** - medium input sensitivity
 - **High** - strong reduction
 - **Telephone volume** - Volume of the mobile phone calls;
 - **PDC: Reduce audio vol.** - Setting the reduction of the volume when the park distance control is active
 - **Off** - switches off
 - **Low** - weak reduction
 - **Medium** - medium input sensitivity
 - **High** - strong reduction
 - **Speed dependent volume adaptation** (GALA) - Speed dependent volume adaptation;
 - **AV-Output** - Activating an external DVD source;
 - **DVD** - DVD
 - **Off** - switches off
 - **Acoustic feedback** - Setting for confirmation tone
 - **On** - switches on
 - **Off** - switches off
 - **EQ settings** - Setting the equalizer (linear, voice, rock, classical, dance)
 - **Surround** - Setting of the surround tone

MAP mode

Map display



Fig. 10 Map display with split-screen in the compass display.

- Press the button **[MAP]**.
- **[MAP]** - maps goes to full-screen display
- Change the display type
 - **[2D]** - 2D display
 - **[3D]** - 3D display
 - **[Topograph]** - Plan view of 2D map display with coloured display of various terrains (Mountains, Valleys etc.)
- Function key "Navigation" - the menu is dependent on the operating type of the route guidance ⇒ page 29, Function key "Navigation"
- **[A]** - indicates which source medium is currently active
 - choose another radio station from the memory
 - **[⏮]** - pressing briefly changes to the beginning of the current title, repeated pressing changes to the beginning of the previous title.
 - **[⏭]** - brief pressing changes over to the beginning of the next title.
 - **[⏸]** - the play function is stopped in the current position and the symbol changes to **[▶]** - after pressing **[▶]** the play function continues in this position.
- In the menu *Systems Setup* if the time display is activated ⇒ page 12, Setup System, at position **[A]** the current time is displayed.

- **[Extras]**
 - **[Destination view]** - shows the currently selected travel destination in the map display in the main menu *Navigation*. Use the function key on the right under the compass display to center the map again on the vehicle position.
 - **[Split-screen]** - the menu is dependent on the operating type of the route guidance ⇒ page 30, Function key "Split-screen"
 - **[Day/night]** - changes between day and night design.
 - **[POI selection]** - selects points of interest category, which is displayed on the map using symbols ⇒ page 12, Setup Map
 - **[Lane guidance]** - during route guidance, when driving and turning on roads with more than one lane, a small split-screen with lane guidance will be inserted in the map display.
 - **[Switch off display]** - it is possible to switch the display to energy saving mode - the display goes black and the current information about the audio source is shown in the bottom row. The display can be switched on again by touching the display or by pressing any button, except the control button **[1]**

Change the map scale and display

Pressing the function key with the display of the currently selected map dimension at the bottom right will insert further function keys for changing the map detail and the map scale. If not used, these function keys faded out again after a few seconds.

[A] - briefly switches the map display to the overview display (small scale). It returns again to the last display (large scale) after a few seconds.

[+] or **[−]** - to zoom in or out of the map, i.e. changing the map scale. Alternatively, move the sliding regulator **[⏮]** within the scale.

[P] - changes to the overview map with start and finish point during route guidance.

[Z] - If Autozoom is active, the map scale will change automatically depending on the driven route (Motorway trip: large map scale - city: The switched-on Autozoom is displayed in the scale display by **[Z]**. You can switch off the Autozoom again by pressing the scale again or manually with the button **[8]**.

Moving the map section using the vehicle position or destination

You can move the indicated map section by pressing your finger on the touchscreen and sliding it over the touchscreen.

Function keys and symbols during route guidance

- Ⓐ - current vehicle position
- Ⓢ - centres the map section using the vehicle position
- Ⓢ - centres the map section using the destination

Function key "Navigation"



Fig. 11 3D map display during the route guidance

Depending on the type of route guidance, various function keys appear at position Ⓐ.

Operating mode: Route guidance switched off (Navigation)

- (Start route guidance) - starts route guidance or continues route guidance to the travel destination selected in the main menu *Navigation*.
- (Enter new destination) - calls up the menu *New dest.* to change the travel destination selected in the main menu *Navigation* ⇒ page 34, The function key "New dest."
- (Route options) - changes the defaults for the route calculation ⇒ page 34, Function key "Options"
- (F) - saves current vehicle position to the destination memory as a flagged destination

Operating mode: Route guidance with the destination (Ⓢ.../Ⓢ...)

- Ⓢ - distance to the destination
- Ⓢ - expected time of arrival in the destination or driving time

- (Stop route guidance) - stops route guidance at the current position. The route guidance can be continued at any time by pressing the function key (Navigation) and (Start route guidance).
- (Enter stopover destination) - calls up the menu *New dest.* in order to enter a stopover to be approached during current route guidance ⇒ page 34, The function key "New dest."
- (Congestion ahead) - used for the manual entry of a congestion ahead and the recommendation of the next available route ⇒ page 38, Manually excluding stretches of the journey
- (Route options) - changes the defaults for the route calculation ⇒ page 34, Function key "Options"
- (F) - saves current vehicle position to the destination memory as a flagged destination

Operating mode: Route guidance with stopover destinations (Ⓢ.../Ⓢ...)

- Ⓢ - distance to the destination
- Ⓢ - distance to the stopover destination
- Ⓢ - expected time of arrival in the destination or driving time
- (Stop route guidance) - stops route guidance at the current position. The route guidance can be continued at any time by pressing the function key (Navigation) and (Start route guidance).
- (Enter stopover destination) - calls up the menu *New dest.* in order to enter a stopover to be approached during current route guidance ⇒ page 37, Function keys "Extras".
- (Congestion ahead) - used for the manual entry of a congestion ahead and the recommendation of the next available route ⇒ page 38, Manually excluding stretches of the journey
- (Route options) - changes the defaults for the route calculation ⇒ page 34, Function key "Options"
- (F save) - saves current vehicle position to the destination memory as a flagged destination
- (Tour plan) - displays tour plan

Waypoint navigation (Waypoint navigation)

- (Waypoint tour) - Enter the starting point of the waypoint navigation
 - (Turn around waypt tour) - travel route in the reverse direction
 - (From the closest) - Waypoint navigation from the nearest waypoint

- **Select waypoint** - waypoint navigation from the selected waypoint
- **From the first** - Waypoint navigation from the first waypoint
- **Enter new destination** - enter destination on a street- waypoint navigation is quit ■

Function key "Split-screen"



Fig. 12 The split-screen with the display of the navigation information/split-screen with the display of the information list

Various function keys are displayed in the separate navigation types here.

- **Compass** - displays compass display with current direction of travel
- **Pos. map** - displays map display with the vehicle position. Press once on the map in the split-screen to change the map display.
- **GPS Viewer** - shows the coordinates of the current vehicle position. The number of satellites received will also be displayed. At least five satellites must be received simultaneously to enable the absolute height above sea level to be displayed behind the mountain symbol (Display: "3D Fix").
- **Dest. guidan. symbol** - displays the symbol of the next destination guidance manoeuvre
- **Manoeuvre list** - displays the manoeuvre list
- **Overview** - displays map display with the removal between the vehicle position and destination
- **Tour plan** - displays tour plan ■

NAV mode (Navigation)

Overview

Before using the navigation system

Please observe the respective traffic regulations when driving.

Street and location names can be changed. It is therefore possible under exceptional circumstances that the names stored in the navigation data might not correspond to the changed names.

The route calculated by the navigation system is a recommendation for reaching the intended destination. While driving please pay attention to stopping restrictions, traffic lights, one-way streets, lane changes, bodies of water and ferries, railways etc.

Operating the navigation system

Only if the traffic situation allows it should you operate the navigation system with its wide range of possibilities.

Adjust the volume to ensure that acoustic signals from outside, e.g. sirens from vehicles which have the right of way, such as police, ambulance and fire brigade vehicles, can be heard at all time.

Safety information regarding the use of the navigation system

The route is recalculated each time if you ignore driving recommendations or change the route. This process takes only a few seconds. Driving recommendations can only then be re-transmitted.

Incomplete navigation data

The navigation system cannot receive any data from GPS satellites if you drive for longer periods under thick forest canopy or when your vehicle is in a garage, underpass or tunnel. In this case, the navigation system orientates itself solely with the help of the vehicle sensors.

In regions not at all or only partially digitalised and stored as such on the navigation DVD, the navigation system will try to provide guidance to the destination. Please note that under these circumstances the guidance to the destination may

not be completely correct if, for example, one-way streets and road categories (motorway, country road etc.) are not at all or only partially included in the navigation data used.



WARNING

- **Please concentrate fully at all times on your driving! If the driver's attention is distracted, this can lead to accidents and injuries. As the driver you are fully responsible for safety. Only use the functions of the radio in such a way that you are always in full control of your vehicle in all traffic situations!**
- The following must always have priority over the driving recommendations:
 - the road traffic legislation, even if the driving recommendations contradict the StVO,
 - the actual acknowledgement of traffic signs, light signals or signs placed by the police at the relevant location,
 - the facts and circumstances prevailing at the relevant location.
- Please observe the respective traffic regulations when driving.
- Traffic signs and traffic regulations always have priority over the driving recommendations provided by the navigation system.
- Route guidance is subject to constant changes, particularly to information relating to one-way streets, pedestrian zones etc. stored in the navigation data. Information on traffic lights, stop and right of way signs, parking and stopping restrictions as well as lane constrictions and speed restrictions is not included in the navigation system.
- **Adjust your speed to suit weather, road and traffic conditions. Do not allow, for example, the navigation system to make you drive faster in fog - risk of accident!**
- Only if the traffic situation allows it should you operate the navigation system with its wide range of possibilities.
- The driving recommendations provided may vary from current situations, e.g. due to road works or out of date navigation data. In such a case, always observe the traffic regulations and ignore the driving recommendations.

General

The route is recalculated each time if you ignore driving recommendations or change the route. This process takes only a few seconds. Driving recommendations can only then be re-transmitted.

When entering an address (city, street), only those letters or symbols which make up a logical entry will be presented. A list of possible names will be shown. Do not forget to enter the blank space in names made up of more than one word, such as High Wycombe.

The last voice response can be repeated by pressing the button . The volume of a navigation recommendation can be changed whilst it is being made.

The GPS satellites will not be able to reach the aerial once you are in a tunnel or underground garage. The unit will orientate itself via the wheel sensors.

Note

- It is not necessary to enter the destinations (country-, village-, road-, point of interest names) **including** all country specific (or language-specific for points of interest) special characters.
- Depending on the country, some functions of the navigation system can no longer be selected on the screen at certain speeds. This is not a malfunction, but corresponds to the legal requirements of this particular country.

Navigation data and the navigation DVD

Store navigation data in the unit

- Push the navigation DVD with the written side facing up as far as possible into the CD/DVD case until it is automatically drawn in. The unit will compare the data on the navigation DVD with the data in the navigation system memory. No message will appear if the data in the navigation system memory of the unit is identical to the data on the navigation DVD.
- Press the function key , to find out that the storing process has been completed.
- If the corresponding message appears, press the button  or press on the function key  and take out the navigation DVD. Active route guidance is interrupted and must be restarted.

Update navigation data in the unit

- If the data of the navigation DVD is **not** identical to that stored in the navigation memory of the unit, a corresponding message will be displayed.
- Press on the function key  to overwrite the data in the navigation system memory of the unit with the data from the navigation DVD.

Use data of a navigation DVD for a short period of time

- If you leave the stored area map in the navigation memory of the unit for only a short period of time, insert the navigation DVD for the area to be driven.
- Press on the function key  and leave the navigation DVD in the unit. The unit uses only the data from the navigation DVD for the navigation.
- If you are again in the area of the map material stored in the navigation memory, press the key  to take out the navigation DVD.

The navigation data are already available after the memory of the navigation system is switched on first and can be used directly for navigation.

Storing the updated navigation data can take up to one hour. Route guidance will start via the navigation DVD while the navigation data is being stored. Please note that route guidance will be interrupted if the navigation DVD is taken out. Route guidance must then be restarted with details supplied from the navigation system memory of the unit.

During the copying or update process, old navigation data in the navigation data memory are overwritten ⇒ 

Up to date navigation data and new navigation DVD

Road guidance is subject to constant changes (e.g. new streets, changes of street names and house numbers). A navigation DVD is a huge data store, which unfortunately will not be up to date after a certain time. This could cause problems during route guidance.

It is for this reason that you must regularly update the navigation data on your unit with a current navigation DVD.



WARNING

If the old navigation data in the internal memory of the navigation data is overwritten by a different version, these data can not be restored.

Input screen for route guidance

Selecting a destination from the list

- If you press on the function key  after opening the input mask, a list will open with all the destinations containing the relevant parameters selectable from the navigation memory (e.g. **Country** and **City**).
- If need be, move the sliding regulator to the right edge of the touch-screen for all entries in the list to be displayed.
- Press the desired entry in the list to take it over for the address.

Limit destination and select from the list

- You can open a list of the selectable destinations any time by pressing the function key  while entering a destination in the entry line. The list only displays destinations which meet the requirements, which match the character sequence in the entry line and which are saved in the navigation memory of the navigation system.
- The number of selectable destinations will be displayed in the function key  if fewer than one hundred destinations can be selected.
- If fewer than six destinations are selectable, the input screen will close automatically and a list of possible destinations will be displayed.

Main menu Navigation

Overview

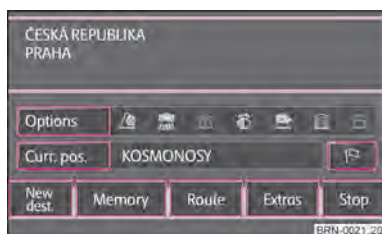


Fig. 13 Main menu Navigation with address.

Press the button **NAV**.

- **Options** - opens the menu for defining the route options ⇒ page 34, Function key "Options"
- **Curr. pos.** - split-screen with the coordinates of the position where you are currently located
- **F** - stores the current position as "Flagdest." in the destination memory.
- **New dest.** - used for the entry of a new destination.
 - **Address** - enter an address in the input screen to specify the destination address ⇒ page 34, Function key "Address"
 - **POI** - open the search screen for searching for a point of interest from a specific category or by entering a name or a telephone number ⇒ page 34, Function key "POI"
 - **Map/GPS** - Specify a point on the map as a destination ⇒ page 35, Function key "Map/GPS"
 - **Home** - Start route guidance from the address saved as the "Home address" ⇒ page 35, Function key "Home"
 - **Last destinations** - open the list of the last automatically saved destinations, start route guidance by pressing one of the displayed destinations ⇒ page 35, Function key "Last destinations"
 - **Fav. destinations** - open the list of favourite destinations, start route guidance by pressing one of the displayed destinations ⇒ page 35, Function key "Fav. destinations"
 - **Fav. destinations** - open the list of favourite destinations, start route guidance by pressing one of the displayed destinations ⇒ page 35, Function key "Dest. memory"
 - **SD destinations** - display destinations saved on the memory card
- **Presets** - open menu for saving the current position as a destination, for saving and displaying saved destinations and for waypoint navigation ⇒ page 36, The function key "Memory", ⇒ page 37, Select and edit the saved waypoint tour
- **Route** - open information and congestion menu for the route during route guidance ⇒ page 38, Permanently blocked road
- **Extras** - open menu for entering a stopover and create a new route in tour mode ⇒ page 37, Function keys "Extras"
- **Start/Stop** - starts/stops route guidance

Selecting the route guidance mode

Press the button **NAV** followed by the function key **Extras**.

- **Tour mode** - mode with stopovers ⇒ page 36, Tour mode
- **Waypoint navigation** - waypoint navigation ⇒ page 37, Waypoint mode

Function key "Options"

Press the button **NAV** followed by the function key **Options**.

- **Route** - Route
 - **Fast** - calculates the fastest route to the destination, even if a detour is necessary - appears in orange
 - **Shortest** - shortest route to the destination even if a longer driving time is required - appears in red
 - **Economical** - calculates the quickest route possible over the shortest route
- **Dynamic route** - dynamic route ⇒ page 38, Dynamic route guidance with TMC use
 - **Off** - switches off
 - **Manual** - manual
 - **Automatic** - automatic
- **Motorways** - this type of road is "excluded" from the route calculation
- **Toll roads** - this type of road is "excluded" from the route calculation
- **Excluded rds.** - manually blocked sections of road are included in the route calculation ⇒ page 38, Manually excluding stretches of the journey
- **Ferries** - this type of transportation is "excluded" from the route calculation
- **Tunnels** - Tunnels are "blocked" in the route calculation

The function key "New dest."

Function key "Address"

This function key is used to enter an address in the input screen for a destination address.

Press the button **NAV** followed by the function key **New destination** → **Address**.

- **Country** - country
- **City/P.cd.** - city, post code
- **Street** - street
- **Number** - Number

- **Intersect.** - intersection
- **Presets** - save entered address data

Function key "POI"

This function key opens a search screen to search for a point of interest from a specific category or by entering a name or a phone number.

Press the button **NAV** followed by the function key **New destination** → **POI**.

- **Category** - list of categories and sub-categories which can be selected. Press the function key **↵** to switch back to a main category after viewing a sub-category.
- **Search area** - specify which area to search in when searching for a point of interest.
 - **Near dest.** - If a travel destination is selected, you can select the surrounding area of this travel destination as a search area for the special destination.
 - **Position** - Limits the search for a point of interest to the surrounding area of the current location (standard setting).
 - **Near city** - an input screen can be used to enter the city in whose environs a search for a point of interest is to be carried out.
 - **Select point on the map** - Move a crosshair to choose a point on the map in the surrounding area where you intend to search for a point of interest.
 - **Along the route** - the search for a point of interest is limited to the environment of the calculated route (only possible during route guidance)
- **Name** - search for a specific point of interest after entering a name
- **Tel.** - search for a specific point of interest after entering a telephone number
- **Search** - search for a point of interest meeting the selected criteria
- **⏮** - display the previous point of interest in the list
- **⏭** - display the following point of interest in the list
- **📍** - save point of interest
- **☎** - dial phone number
- **📍** - display current position and point of interest on the map
- **OK** - starts the route guidance to the shown travel destination

Function key "Map/GPS"

This function key is used to specify a point on the map as a destination or the entry of GPS coordinates.

Press the button **(NAV)** followed by the function key **(New destination)** → **(Map/GPS)**.

- **(P)** or **(P)** - change map scale, also possible by turning control button **(15)**
- **(+)** - finger movement on the display
- **(OK)** - route guidance is started automatically
- **(M)** - stores the travel destination selected from the map in the destination memory
- **(A)** - briefly switches the map display to the overview display (large scale). After a few seconds it will switch back automatically to the last selected zoom display (smaller scale).
- **(GPS)** - opens a menu for entering a travel destination via its coordinates
 - **(Latitude)** - enter the latitude
 - **(Longitude)** - enter the longitude

Function key "Home"

The function key starts the route guidance to the address saved as the "home address".

Press the button **(NAV)** followed by the function key **(New destination)** → **(Home)**.

- **(Destination entry)** - enter home address
- **(Current position)** - saves the current position as a home address

Function key "Last destinations"

This function key opens the list of automatically saved last destinations. Route guidance is started by pressing one of the displayed destinations.

Press the button **(NAV)** followed by the function key **(New destination)** → **(Last destinations)**.

- **(Sort)** - sort the last destinations
 - **(By names)** - sort alphabetically
 - **(By date)** - sort by date

- **(Info)** - display information about the destination
 - **(Load)** - start route guidance
 - **(Show details)** - display details for the destination (e.g. GPS coordinates)
 - **(Show on map)** - show destination on map
 - **(Save)** - save destination
 - **(Delete)** - delete destination

Function key "Fav. destinations"

This function key opens the list of favourites. Route guidance is started by pressing one of the displayed destinations.

Press the button **(NAV)** followed by the function key **(New destination)** → **(Fav. destinations)**.

- **(Sort)** - sort the last destinations
 - **(By names)** - sort alphabetically
 - **(By date)** - sort by date
- **(Info)** - display information about the destination ⇒ page 35, Function key "Last destinations"

Function key "Dest. memory"

This function key opens the list of manually saved last destinations. Route guidance is started by pressing one of the displayed destinations.

Press the button **(NAV)** followed by the function key **(New destination)** → **(Dest. memory)**.

- **(Sort)** - sort the destinations saved in the destination memory
 - **(By names)** - sort alphabetically
 - **(By distance)** - sort by distance
 - **(By date)** - sort by date
- **(Info)** - display information about the destination ⇒ page 35, Function key "Last destinations"

Route guidance with a destination

The function key "Memory"

Save destination in the destination memory

Press the button **NAV** followed by the function key **Presets**.

- **Save** - save destination
 - **Name** - destination name
 - **Voice tag** - Voice entry
 - **Record voice tag** - record voice entry
 - **Play voice tag** - play voice entry
 - **Delete voice tags** - delete voice entry
 - **VIP status** - assigns a destination to a favourites category or change a displayed favourites category
 - **Save** - save destination

Choosing saved destinations

Press the button **NAV** followed by the function key **Presets**.

- **Load destination** - loads a previously saved destination
 - **Last destinations** - Opens a list of last destinations. Route guidance is started by pressing one of the displayed destinations.
 - **Fav. destinations** - Opens a list of destinations saved as "Favourites". Route guidance is started by pressing one of the displayed destinations.
 - **Dest. memory** - List of manually saved destinations. Route guidance is started by pressing one of the displayed destinations.
 - **@SD destinations** - destinations which are saved on the memory card as visiting cards or images, including GPS coordinates
- **Import destination** used for the display of the destination imported into the memory from the SD card

Deleting and editing saved destinations

Press the button **NAV** followed by the function key **Presets**.

- **Edit memory** - display saved destinations
 - **Destination memory entries** - entries in the destination memory
 - **Sort** - sort destinations
 - **By names** - sort alphabetically
 - **By distance** - sort by distance
 - **By date** - sort by date
 - **Options** - Options for editing the entry
 - **Last destinations** - last destinations
 - **Sort** - sort destinations
 - **By names** - sort alphabetically
 - **By date** - sort by date
 - **Options** - Options for editing the entry
 - **Delete destination memory** - delete destination memory
 - **Delete** - delete destination memory
 - **Cancel** - cancel
 - **Delete all last destinations** - delete all last destinations
 - **Delete** - delete all destinations
 - **cancel** - cancel

Options for editing the destination **Options**

- **Show details** - display details for the destination
- **Show on map** - show destination on map
- **Delete** - delete destination
- **Edit** - edit destination
- **Load** - start route guidance for the selected destination

Tour mode

The function key "Memory"

Save tour

Press the button **NAV** followed by the function key **Presets**.

- **Save tour** - save displayed tour in the destination memory, a **maximum of 10 tours** can be saved. First enter the tour name.

Options for saved tours

Press the button **(NAV)** followed by the function key **(Presets)**.

- **(Load tour)** - load saved tour when you directly press the name of the tour the tour appears in the main menu of the *Navigation*
 - **(On)** - call up details for the tour
 - **(Selection)** - display tour in the main menu of the *Navigation*
 - **(Edit tour memory)** - edit tour memory
 - **(Delete/rename tours)** - delete individual tours, rename tours
 - **(Delete all tours)** - delete all tours

Function keys "Extras"

Enter a stopover

After you select the tour ⇒ page 37, Options for saved tours confirm the function key **(Extras)**:

- **(Enter stopover destination)** - enter the stopover to be driven to during the route guidance
 - **(Exactly)** - the tour is routed via the stopover destination
 - **(Close to)** - the tour is routed in the proximity of the stopover destination. The distance from the stopover destination from the selected street type from ⇒ page 34, Function key "Options".

Enter tour

Press the button **(NAV)** followed by the function key **(Extras)**.

- **(New tour)** - create a new route in tour mode
 - **(=)** - Options for editing the entry
 - **(Destination entry)** - enter home address
 - **(Exactly)** - exact destination entry
 - **(Close to)** - destination entry in the proximity of the stopover

Edit saved tour

Press the button **(NAV)** followed by the function key **(Extras)**.

- **(Edit tour)** - edit saved tour
 - **(=)** - Options for editing the entry
 - **(Details)** - display tour details
 - **(Show on map)** - show destination on map
 - **(On)** - change back to the tour details

- **(Change type)** - changes a precise "Stopover" in "Close to" and vice versa.
- **(Start)** - renewed pressing on **(Start)** will only start the route guidance to this tour destination, possible stopover destinations will be ignored. Press **(Back)** to change back to the display of the tour plan without starting the route guidance.
- **(Delete)** - deletes after further confirming the displayed tour destination.
- **(Move)** - Press **(Forward)** to select an entry behind which the selected tour destination should be moved.
- **(Destination entry)** - enter home address

Leave tour mode

Press the button **(NAV)** followed by the function key **(Extras)**.

- **(Leave tour mode)** - end tour mode.

Waypoint mode

Enter waypoint tour

Press the **(NAV)** button followed by the function keys **(Extras)** → **(Waypoint navigation)** → **(Waypoint tour)**

- **(Load waypoint tour)** - create new tour in the waypoint mode
 - **(New tour)** - create new tour, first enter the name
 - **(Automatic)** - the waypoints are automatically recorded
 - **(Manual)** - all waypoints must be entered manually
 - **(Extend existing tour)** - extend existing tour
- **(Edit waypoint tour(s))** - open the list of the saved waypoint tours. Press the corresponding waypoint tour for selection.

Select and edit the saved waypoint tour

Press the **(NAV)** button followed by the function keys **(Extras)** → **(Waypoint navigation)** → **(Presets)**

- **Load waypoint tour** - open the list of the saved waypoint tours. Press the corresponding waypoint tour for selection.
- **Edit waypoint tour memory** - open waypoint tour memory. . Stored waypoint tours can be displayed, renamed or deleted.
 - **Edit waypoint tour(s)** - open the list of the saved waypoint tours. Press the corresponding waypoint tour for selection.
 - **Delete waypoint tours** - delete waypoint tours

Leave tour mode

Press the **NAV** button followed by the function keys **Extras** → **Waypoint navigation** → **New destination**

- **Onroad destination** - terminates the waypoint nav. and opens the menu *New dest.* for selection of an "Onroad destination" from the available navigation data.
- **Back** - switches back into the waypoint nav.

Manually excluding stretches of the journey

Temporarily blocked road

A temporarily blocked road is only taken into account in the current route guidance.

Press the function key **⊕.../⊖...** during the route guidance. → **Congestion ahead**. An overview map will be displayed together with the current vehicle position  and the travel destination .

Turn the set button **Ⓢ** anti-clockwise, move a flag symbol  starting from the travel destination in direction of the current vehicle position. Use the finger to press on the displayed route and the flag symbol  will "skip" directly to this point. The distance taken up by the current congestion will be displayed as of the current vehicle position at the bottom in the touch-screen.

Press the set button or the function key **OK**, when the approximate length of the stretch of the road to be bypassed is displayed.

You will receive an audible announcement that parts of the route are blocked and that the alternative route is being calculated.

Received TMC traffic reports will be displayed in the map as traffic problems. Currently announced traffic problems can also be displayed in the list of TMC traffic reports.

Permanently blocked road

A permanently blocked road is taken into account during each route destination cycle.

Press the function key **Route** → **Manage blocked routes** in the main menu *Navigation* during route guidance.

- **Add excluded street section** - add an additional blocked section to the route. Locate the start of the congestion  by pressing on the route indicated on the touch-screen and confirm it by pressing the function key **OK**. The end of the congestion is set in the same way.
- **Delete excluded street section** - delete the blocked street sections from the memory in the navigation system
- **Delete temporarily blocked road** - deletes the congestion entered with the button **Congestion ahead**

Dynamic route guidance with TMC use

Switching the dynamic navigation on or off

- In the main menu *Navigation* press on the function key **Options**.
- In the map display, press the button **Navigation** or on **⊕.../⊖...** during a route guidance and on **Route options** in the pop-up window.
- In the menu *Route options*, press on the function key **Dynamic route** and select the desired set-up by pressing your choice in the pop-up window.
- Confirm the settings with the function key **OK**.

Traffic problems received via TMC which affect the route are displayed in the map by means of a coloured symbol. Traffic problems, which do not affect the route, are displayed in the map by means of a grey symbol. The direction in which a traffic problem is found, is displayed by means of an arrow in the symbol. The duration of a traffic problem on the route is displayed in the map by means of continuous PKW (motor car) symbols .

▶ Off

You are not alerted to received traffic disruptions along your route and are guided through the traffic disruption by the navigation system. TMC traffic reports are however still updated automatically in the unit. They can be displayed by pressing the range selector key **TMC**.

If one of the announced traffic problems lies along on your route, you can also switch on the dynamic route guidance during the current route guidance or block the route manually.

► Manual

During route guidance you can choose whether you want to divert around the reported traffic problems along your route.

If the navigation system is alerted of a traffic problem on the calculated route, the driver will be notified of this by means of an audible message and information in a pop-up window.

The expected delay incurred in avoiding this traffic problem and the length of the alternative route will be displayed. The expected time lost when driving through this traffic problem will also be displayed.

- Press **(Current tour)** to remain on the calculated route and to pass through the traffic problem.
- Press on **(Bypass)** for an alternative route to be calculated taking into account the announced traffic problem.

► Automatic

You will be automatically diverted around the received traffic problems along your route during route guidance.

After input of relevant traffic information for your route you will be advised of the change in the current route guidance by means of an acoustic message. You will automatically be guided around announced traffic jams or blocked roads, if this saves time.

Such announcements will take place if a traffic problem affects the original route calculation, the traffic problem has been solved and the navigation system can see only one possibility of driving the actually most advantageous route.

Requirements for a dynamic route guidance

TMC (Traffic Message Channel) is a digital radio data service for **continuous** transmission of traffic information.

If a TMC traffic radio station is available for current location, the TMC traffic reports are updated continuously in the background.

The quality of the transmitted traffic reports depends on the broadcast editing carried out by the radio station. The reception of the TMC traffic reports cannot be switched on or off.

The station you are listening to does not have to be a TMC station.

TMC traffic reports can only be evaluated and displayed by the unit if the navigation data for the currently driven area is stored in the unit memory or can be called up via an inserted navigation DVD.

The current TMC traffic reports can be displayed by pressing the range selector key **(TMC)**.

Note

- There may not be any advantage in avoiding the traffic jam if, as a result of the TMC traffic reports, the diversion is also heavily congested.
- You can manually block the information for the route in front of you if traffic problems ahead have not yet been included in the TMC traffic reports. ■

TMC mode

Displaying TMC traffic reports

TMC traffic reports are used during route guidance, depending on the set-up for the automatic optimization of the route, to report possible traffic problems.

You can browse through all the traffic information received in the detailed display, in sequence by using the function keys.

- **TMC** - displays a list of current traffic reports
 - **Details** - displays the details for a selected traffic report
 - **i 12** - displays the name of the TMC station currently being received

Traffic problems are illustrated in the detailed display and in the map by a corresponding symbol. The direction, in which the traffic problem is found in the map, is displayed in colour. A traffic problem which is located on the route (in direction of travel) is marked in red, a traffic problem in the opposite direction is marked in grey.



Note

- The unit has a continuous background of TMC traffic reports providing a TMC station at the current location can be received. The station you are listening to does not have to be a TMC station.
- TMC traffic reports can only be evaluated and saved by the navigation system when navigation data are available for the driven area.
- The quality of the dynamic route guidance depends on the transmitted traffic announcements. The radio stations broadcasting this information are responsible for the content.
- TMC traffic reports are necessary for the dynamic navigation.
- Making a diversion from a traffic jam based on TMC traffic reports may not always offer a time advantage, e.g. if the diversion route is also congested. ■

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