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GB User handbook

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Introduction

This operating manual will explain how easy it is to use the device. Please take the time to read this handbook through carefully and keep it in the vehicle in case any questions should arise later on. Please ensure that this handbook is handed on to the next owner if you sell your car or the radio.

Signs and symbols

The following signs and symbols make it easier to read the operating manual:

DANGER

- Text with this symbol indicate a dangerous situation that may lead to death or severe injuries if disregarded.

WARNING


- Text with this symbol indicate a dangerous situation that may lead to death or severe injuries if disregarded.

BEWARE

- Text with this symbol indicate a dangerous situation that may lead to slight or severe injuries if disregarded.

NOTE

Text with this symbol indicates a situation that may lead to damage to the vehicle or radio if disregarded.

-  Texts with this symbol contain additional information.

Use of the terms "Data carrier" and "Audio source"

"Data carrier" is used for internal (CDs, SD cards, USB data carriers) and external data carriers (iPod, playback devices on the AUX socket, mobile phone).

"Audio source" is used for the radio and all data carriers (see above).

Before using for the first time

Before using for the first time, carry out the following steps so that you are able to operate the device in a safe way and so that you can use the functions provided to their full extent:

- ✓ Observe all safety instructions ⇒ Page 104
- ✓ Familiarise yourself with the device overview ⇒ Page 107
- ✓ Use data carriers that are suitable for media operation ⇒ Page 112

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iPod®, iPhone® and iPad® are registered trademarks of Apple Inc.

Safety instructions

⚠ WARNING

Distracting the driver can result in accident and injuries.

- Always drive attentively and responsibly.
- Select the volume settings so that acoustic signals originating from outside can be well perceived (e. g. the siren of emergency services).
- Volume set too loud may damage your hearing. This also applies if your hearing is exposed to loud volumes for short periods.

⚠ WARNING

Operating the radio or the Bluetooth device as well as connecting, inserting, playing back or removing a data carrier when driving may distract you from traffic situations and lead to accidents.

- All settings made to the radio should only be carried out when the vehicle is stationary.
- Use the data carrier only when the vehicle is stationary.
- Use the mobile phone / Bluetooth playback device only when the vehicle is stationary and observe all legal guidelines!

⚠ WARNING

When changing or connecting an audio source, you may experience sudden fluctuations in the volume.

- Reduce the volume before changing or connecting an audio source.

⚠ WARNING

An external device that is not secured at all or correctly can be flung through the interior of the vehicle causing injuries as the result of sudden driving or braking manoeuvres as well as an accident or a collision.

- Never arrange or mount the external device on the doors, on the windscreen, above or near to the area marked with "AIRBAG" on the steering wheel, the dashboard, the backrests or between these areas and the passengers themselves. The external device may lead to severe injuries in event of an accident, especially when the airbags are triggered.

⚠ BEWARE

Connecting cables of external devices may impair the driver.

- Route the connecting line in such a manner that the driver is not obstructed.

Preventive measures with laser devices:

Laser devices are classified in the safety classes 1-4 according to DIN IEC 76 (CO) 6/ VDE 0837.

The CD player of this device corresponds with safety class 1.

The laser used in class 1 devices is low-energy or is shielded so that there is no risk when used for its intended purpose.

⚠ WARNING

Opening the housing of a CD player may lead to injuries caused by non-visible laser radiation.

- Have CD players repaired only by a specialist company.

! NOTE

- Do not press the knobs and buttons of the device too hard to prevent causing damage to it. A light push of the button is sufficient to operate the device.
- Do not open the device. There is nothing inside the device that can be repaired by the user.
- Use a soft and dry cloth to clean the device. Never use rough cloths, thinner, petroleum, alcohol, etc. With intensive dirt, use a lightly moistened cloth to wipe the dirt away carefully.
- Never insert foreign objects (screwdriver, penknife, metal objects, etc.) into the openings of the device as these may damage the device. Such damage is not covered by the guarantee.

! NOTE

- Always insert or remove CDs into the CD drive straight at right angles to the front of the device without tilting it that will result in scratching it.
 - Inserting a second CD if a CD is already inserted or is being played back may destroy the CD drive. Always wait for the complete data carrier output.
 - Foreign objects stuck to a data carrier and irregular shaped data carriers may lead to damage to the CD drive.
 - Use only clean standard 12 cm CDs!
 - Do not glue any labels or similar onto the data carrier. Stickers may loosen and result in damage being caused to the drive.
 - Do not use printable data carriers. Coatings and prints may loosen and result in damage being caused to the drive.
 - Do not insert 8 cm single CDs and irregular shaped CDs (Shape CDs) or DVDs.
 - Do not insert DVD-Plus, Dual Disc and Flip Discs as these are thicker than normal CDs.
 - Use a soft, non-fluffy cloth to clean the CDs. In doing so, wipe the CD in straight lines from the middle to the outside. Intensive dirt can be removed using a commercially available CD cleaner or removed using isopropyl alcohol.
 - Always store unused CDs in a compartment intended for this purpose or in the original CD cover.
 - The vehicle loudspeakers may be damaged if the playback is too loud or distorted.
- i** Under certain circumstances, you may not be able to playback CDs with copy protection and self-made CD-R and CD-RW CDs or the playback is limited.
- i** Observe all legal guidelines concerning copyright.

Anti-theft coding


The anti-theft coding prevents the reactivation of the device electronically when the it is removed by unauthorised persons.

If "SAFE" appears in the display for a short time immediately after turning on the device and the "1000" permanently, you have to enter the code number corresponding to the device to deactivate the electronic lock.

Enter the code number

"SAFE" appears in the display after turning on the device and then "1000" after a short period.

By pressing the function button under the respective figure several times, the four digit code number can be entered.


After entering the four figures, keep the  button pressed until the acceptance of the code has been confirmed by an acoustic signal. Then the device is ready for operation.

Device card

The code and serial number is located on a device card supplied with the device. The device card must be kept in a safe place. Never leave it in the vehicle. The device is only useful for thieves if they also have the card!

Incorrect code number

If the incorrect code number is entered when unblocking the electronic lock, first "SAFE" appears flashing in the display and then "1000" once again. Now the complete procedure can be repeated again. The number of attempts already carried out will be shown to the left in the display. If an incorrect code number is entered again, the device is blocked for approx. one hour. This means that it cannot be put into operation for this period. The lock can be recognised by the continuous "SAFE" and the number of attempts will be shown to the left in the display. After one hour – the device must remain switched on for this purpose – the display goes out and you are able to unblock the electronic lock, as previously described, once again. The cycle – two attempts, blocked for one hour – still applies.

 If the device card with code number has been lost, please contact your Volkswagen partner.

Language settings

The display language can only be set in radio mode.

- Keep pressing the **(MENU)** until the current language set is displayed.
- Press the respective function button for selecting the language.

Function button	Language settings
(ENG)	English
(PORT)	Portuguese
(ESP)	Spanish
(RUS)	Russian

Device overview

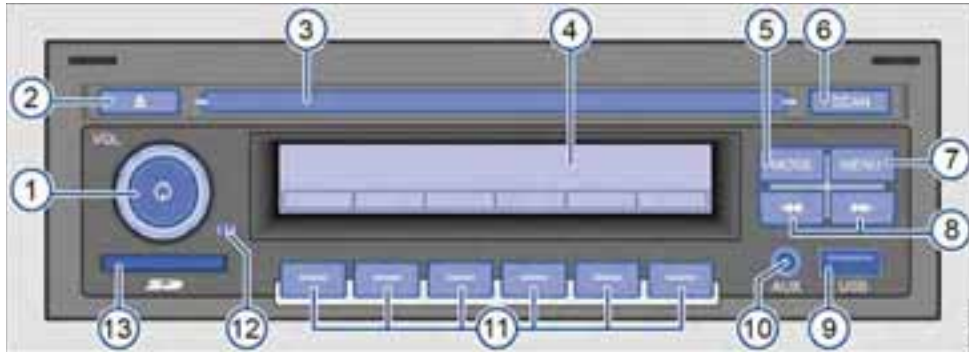


Fig. 1 Overview of the operating elements.

Legend for Fig. 1

- ① Rotary knob for switching on, off and mute of the device and for regulating the playback volume ⇒ Page 108. Depending on the menu selected, more functions can be controlled using the rotary knob (see the respective chapter).
- ② CD eject button, the CD inserted is moved to the output position for removal ⇒ Page 115.
- ③ CD slot for inserting and removing CDs ⇒ Page 115.
- ④ Display for showing the current operating condition. If a data carrier is available, these are indicated in the display.
- ⑤ Press the **(MODE)** button *briefly* to select the audio source ⇒ Page 108.
Keep the button pressed to select the Bluetooth menu ⇒ Page 118.
- ⑥ **(SCAN)** Key to start the automatic scanning for radio stations or music tracks ⇒ Page 112.
- ⑦ Press the **(MENU)** button *briefly* to call up the menus for device functions and device settings.
Keep the button pressed to call up the menu VOICE REC to record a voice memos ⇒ Page 121.
- ⑧ Press the keys
 - *briefly* for automatic station scanning during radio operation.
 - *briefly* for skipping forwards or backwards during the audio playback from a data carrier.
 - for skipping forwards or backwards quickly during the audio playback of a data carrier.
- ⑨ USB socket for for direct connection of a USB data carrier or an iPod¹⁾ ⇒ Page 115.
- ⑩ AUX socket for connecting²⁾ external playback devices ⇒ Page 116.
- ⑪ Function buttons, the current button functions of the function buttons are shown in the display.
- ⑫ Microphone for the hands-free function and voice memo ⇒ Page 119 or 121.
- ⑬ SD card slot ⇒ Page 115.

¹⁾ iPod connecting cable required

²⁾ Connection cable with 3.5 mm stereo jack required

General operation

Switching on, off or mute

The device is switched on by *briefly* pressing the rotary knob ① or by turning on the vehicle ignition or when inserting the button of the vehicle. The last audio source is played back in the *previously* set volume as long as this does not exceed the maximum previously set switching on volume **(S_VOL)** (see below).

By *briefly* pressing the rotary knob ① of the device switched on, you can temporarily switch on the mute ("MUTE"). Press the button again to cancel the mute function.

The device is switched off manually by pressing the rotary knob ① for a *long time* or automatically by turning off the vehicle ignition or when removing the button of the vehicle.

Audio source selection

By repeatedly pressing the **(MODE)** button, you are able to switch through the available audio sources the sequence of FM1, FM2, MW1/AM1³⁾, MW2/AM2³⁾, CD, USB/IPOD, SD or AUX. After an initial run, the selection begins again with FM1.

Data carriers are only indicated if a data carrier has been inserted or a respective device has been connected.

If a CD or an SD card has been inserted or a device connected to the USB or AUX socket, the playback starts automatically.

Keeping the **(MODE)** button pressed starts the audio source BT AUDIO ⇒ Page 120.

Audio settings

The respective values are shown in the display during the setting. If rotary knob ① is not pressed for a few seconds then the current setting is saved and the device exits the menu automatically.

Playback volume

– Turn the rotary knob ① to the left to reduce the volume or to the right to increase the volume.

During the setting, the value "VOL 01...31" or "VOL MIN" or "VOL MAX" are shown in the display.

Sound and volume settings

Sound and volume settings are set and saved for each of the audio sources during the data carrier playback, AUX mode and when operating the radio.

By pressing the **(MENU)** button once, the menu EQ SET is called up. In this menu, the pre-defined sound settings POP, ROCK, CLAS or JAZZ can be selected by pressing the corresponding function button.

By pressing the function button **(USER)** the corresponding sub-menu is called up and you can make your own settings for sound (BASS, TREB, MID) und for the volume (BAL, FAD, S_VOL).

Function button	Setting
(BASS)	low frequencies (Bass)
(TREB)	high frequencies (Treble)
(MID)	medium frequencies (Middle)
(BAL)	volume distribution left and right
(FAD)	volume distribution front and rear
(S_VOL)	maximum switching on volume

– Press the desired function button and perform the settings using the rotary knob ①.

³⁾ Depending on the AREA selected (⇒ Page 111), the frequency range medium wave can be shown in the display as MW or AM.

Radio operation

Operating the radio

Change the frequency range

The frequency ranges very high frequency (FM) and medium wave (MW/AM⁴) can be received by the radio. By repeatedly pressing the **(MODE)** button, the desired frequency range of the radio operation can be selected.

Automatic station scanning

Press the **(◀▶)** or **(▶▶)** keys to start an automatic station scan to the next or the previous station on the same frequency range. Only stations that can be received are played back.

Automatic station scan with saving radio stations (AutoStore)

In order to start the automatic station scan with saving radio stations, keep the **(SCAN)** button pressed for a *long* time. An automatic station scan is started where the 6 stations with the strongest signal are saved in the current memory level.

Setting the station manually

Setting the station manually can be started by pressing the **(◀▶)** or **(▶▶)** for a *long time*. If "MANUAL" is shown in the display, you can use the keys to set the frequency manually.

Automatic scanning

By pressing the button **(SCAN)** the station scan is started in the current frequency range. During the search, "SCN" is shown in the display and all stations that have a reception are each played for a few seconds. For selecting the current station being played and to stop the station scan, the knob **(SCAN)** must be pressed again.

If the volume is adjusted using the rotary knob **(1)** when scanning for the station, the station scan stops.

Saving radio stations

There are 2 memory levels (FM1/FM2 and MW1/MW2⁴) or AM1/AM2⁴), each with 6 storage spaces available for each frequency range.

A radio station is saved as follows:

- Select the desired frequency range (FM or MW/AM⁴) and the memory level (1 or 2) by repeatedly pressing the button **(MODE)**.
- Set the station to be saved using the automatic or manual station scan.
- Keep the desired function button **(11)** pressed until a signal sounds. Any stations previously saved on this function button will be lost.

The radio station is saved and the memory level and function button are assigned.

Calling-up a saved radio station

- In order to call up a stored station, select the desired frequency range (FM or MW/AM⁴) and the memory level (1 or 2) by repeatedly pressing the button **(MODE)**.
- The saved station is selected by *briefly* pressing one of the function keys **(11)**.

⁴) Depending on the AREA selected (⇒ Page 111), the frequency range medium wave can be shown in the display as MW or AM.

RDS radio data services

RDS (Radio Data System) is a radio data service that permits additional services, such as the displaying of station names, automatic station tracking, radio texts and the TP function (Traffic Program). RDS is not everywhere and available via every radio station.

RDS settings can only be carried out in radio mode.

- Keep pressing the **(MENU)** button to call up the menu "RDS SET".

The RDS SET menu will close automatically after a few seconds if not operated.

Traffic announcements (TAVOL) volume

The playback volume for traffic announcements (TA, see below) can be set independent of the playback volume of the audio mode. Thus, traffic announcements are also played back if the audio mode has been set to mute ("VOL MIN" or "MUTE").

- In the menu "RDS SET", press the function button **(TAVOL)** and set the desired playback volume for the traffic announcements using the rotary knob **(1)** (VOL 06...32).

The playback volume can be adjusted using the rotary knob **(1)** during a traffic announcement. These settings are saved. The subsequent traffic announcements are played back with this volume.

Setting the program type (PTY)

Program type (PTY) designates the assignment of the station according to categories, e.g. news, classic, pop. Only stations of this type are set according to the set program type when scanning for a station.

- In the menu "RDS SET", press the function button **(PTY)** and using the rotary knob **(1)** select the desired program type.

The following program types are available: NO PTY (without program type setting), NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M, ROCK M, EASY M, LIGHT M, CLASSICS, OTHER M, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M, OLDIES, FOLK M, DOCUMENT, ALARM TEST

PTY is not supported by all stations.

Traffic Announcements (TA)

If the traffic announcement function is activated, traffic announcements made are played in the audio mode. Prerequisite for the playback of traffic announcements is the reception of at least one traffic announcement station.

- In the menu "RDS SET", press the function button **(TA)** and using the rotary knob **(1)** select TA ON or TA OFF.

The function switched on is displayed using a "TA" symbol.

In order to ensure the reception of traffic announcements, independent from the current audio source, a traffic announcement station that can always be received automatically is set in the background that is switched to for the traffic announcements.

Traffic announcements being played can be cancelled by *briefly* pressing the **(MODE)** button.


Automatic station tracking (AF)

With the automatic station tracking function (Alternative Frequency), when driving, the frequency always changes to the station that currently provides the best possible reception.

You can switch the automatic station tracking function on or off in the menu RDS SET.

- In the menu "RDS SET", press the function button **(AF)** and using the rotary knob **(1)** select AF ON or AF OFF.

The function switched on is displayed using a "AF" symbol.

 Due to the high detection speed of the function, jumps may occur in the frequency range with the automatic station scan with keys **(◀)** and **(▶)**. This can be avoided by switching off the automatic station tracking function or by using the automatic scanning.

Regional (REG)

If the function is switched on, only alternative regional frequencies of the current station are considered for the automatic station tracking (AF).

If the function is switched off, all frequencies of the current station are considered for the automatic station tracking (AF). This can lead to regional programs being cancelled.

- In the menu "RDS SET", press the function button **(REG)** and using the rotary knob **(1)** select "REG ON" or "REG OFF".

The function switched on is displayed using a "REG" symbol.


Regional profile (AREA)

Different regional profiles (AREA) are stored in the radio. An adaption to the area of use can be carried out using this regional profile (e. g., display output medium wave MW or AM). Profiles available are for Europe (EUROPE), Asia (ASIA), South America (LATIN) and the United States of America (USA).

- In the menu "RDS SET", press the function button **(AREA)** and using the rotary knob **(1)** select the desired regional profile.

Media operation

Requirements on the data carrier and audio files

Data media	Pre-requirement for playback
Ⓜ Audio CDs (up to 80 min).	– CD digital audio specification  .
Ⓜ CD ROM, CD-R, CD RW audio file CD up to max. 700 MB (Megabyte) according to ISO 9660 or with the Joliet file system.	– MP3-files with bit rates from 48 to 320 kbit/s or with a variable bit rate. – AAC files.
Ⓜ SD cards up to max. 2GB and SDHC cards up to max. 32GB in the file system FAT16 and FAT32.	– WMA files up to 9.0 mono/stereo without copy protection. – File name no longer than 64 characters. – File structure with maximum ten levels. – Max. 120 folders and max. 999 files on a data carrier.
USB memory up to max. 32GB in the file system FAT16 and FAT32.	
Ⓜ Playback from audio files via Bluetooth.	– External audio source must support A2DP Bluetooth profiles and must be coupled with the radio.
External device to the AUX socket.	– Audio output via the connecting cable with 3.5 mm stereo jack.
iPod to the USB socket.	– Audio output via iPod connecting cable.

Limitations and information

Dirt, high temperatures and mechanical damage can render a data carrier unusable. Observe the information of the data carrier manufacturer.

Quality differences with data carriers from different manufacturer may lead to problems when playing back.

Observe all legal guidelines concerning copyright!


The configuration of a data carrier or devices and programs used for recording may lead to that individual tracks or that the data carrier cannot be read. Information on this, such as how to create audio files and data carriers in the best possible way (compression rate, ID3 tag, etc.) can be found in internet, for example.

Due to the larger data volume, the time required for reading in a data carrier with compressed audio files (MP3, AAC, WMA, etc.) takes a little longer than when reading in a conventional audio CD. Complicated folder structures can delay this reading in additionally.

The number of tracks that can be read in is limited to 999. If more track are stored on the data carrier, these are ignored from the thousandth track and cannot be played back.

The radio is compatible for the following Apple devices (iPod operation):

- iPad 1 and 2
- iPhone 4
- iPod classic
- iPod classic, 4th to 6th generation
- iPod mini, 1st generation
- iPod nano
- iPod nano, 1st to 5th generation
- iPod shuffle
- iPod touch, 1st to 5th generation

 iPod classic 4th generation, iPod mini 1st generation and iPod shuffle are connected as a USB data carrier and not in iPod mode ⇒ Page 115.

 If the radio is switched on with connected iPod shuffle, the last audio source used may not be selected.

Playback sequence with audio file CDs

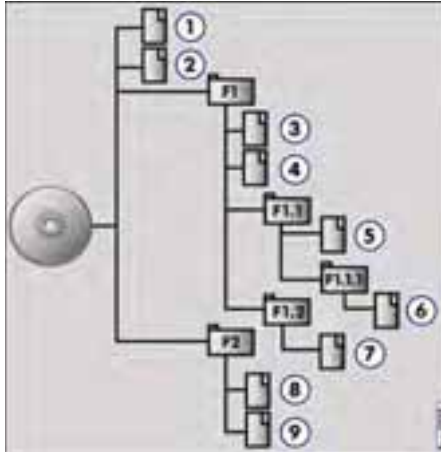




Fig. 2 Possible structure of an audio file CD










Audio files (track) on a data carrier are often sorted in folders in order to determine a specific play back sequence.

The track and folder are sorted amongst one-another in numeric and alphabetic order on the data carrier according to their name.

In doing so, sub-folders are treated as folders and are numbered on the CD according to their order.

On the basis of a typical MP3-CD, figure 2 shows the track , folder  and sub-folder .

The track  and folder  of this CD shall therefore be played back and displayed in the following order:

1. Track  and  in the root directory of the CD
2. Track  and  in the **first** folder **F1** on the root directory of the CD
3. Track  in the **first** sub-folder **F1.1** of the folder **F1**
4. Track  in the **first** sub-folder **F1.1.1** of the sub-folder **F1.1**
5. Track  in the **first** sub-folder **F1.2** of the folder **F1**
6. Track  and  in the **second** folder **F2**

Playback from the data carrier

The current available data carrier is shown in the display. An inserted CD is displayed to the left and other available data carriers to the right (DISC, SD, USB or iPod).

The current data carrier is highlighted black.

- Keep pressing the **(MODE)** button to connect all available audio sources one after another.

Playback is resumed from the track last played of the data carrier selected.

Only playable audio files can be displayed and played from a playable data carrier. Other files are ignored.

 Depending on the iPod used, all functions described may not be supported.


Displaying track information


Per default, the track and the track number are displayed on the data carrier according to the sequence. If the audio file contains track information, the complete track (TITL) and artist (ART) can be faded in for a few seconds by pressing the function button **(INF)**.

Track playback

Playback starts automatically if the data carrier is selected or inserted or connected using the **(MODE)** button.

Select track

Using the  button, you can jump to the start of the current track or when pressing again, return to the previous track.

You can jump to the start of the next track using the button .

Folder selection

Depending on the data carrier, the functions keys **(F+)** and **(F-)** are available where applicable.

When pressing the function button **(F+)** or **(F-)** first, the name of the folder is displayed. When pressing the following function button **(F+)** first you go to the next folder, or, with function button **(F-)** to the previous folder.

The function keys are faded in independent of the data carrier selected. If no folders are on the data carrier, the function keys have no function.

Automatic scanning (SCAN)

If the automatic scanning is started by *briefly* pressing the function button **(SCAN)** then all tracks on the current data carrier are played back for a few seconds.

If the automatic scanning is started by *keeping* the function button **(SCAN)** pressed for a while then all tracks of the current folder are played back for a few seconds.

In order to select the track being played back and to quit the automatic scanning, press the **(SCAN)** button.

The automatic scanning is also quit by starting the track repeat function or the random play function.

The automatic scanning switched on for the data carrier is displayed using a "SCN" symbol. "SCN" flashes if the current folder is being scanned.

Repeating the track

If the track repeat is started by *briefly* pressing the function button **(RPT)** then the current track is repeated until another track is selected or the track repeat function is cancelled by pressing the function button **(RPT)**.

If the track repeat is started by *keeping* the function button **(RPT)** pressed, then all tracks of the current folder are repeated until another folder is selected or the track repeat function is cancelled by pressing the function button **(RPT)**.

The repeat track is also quit when starting the automatic scanning or the random play function.

The track repeat function switched on is displayed using a "RPT" symbol.

Random play

If the random play function is started by *briefly* pressing the function button **(RDM)** then all tracks of a data carrier will continue to be played in a random order. With an iPod, all tracks of a play list are played in a random order.

If the random play function is started by *keeping* the function button **(RDM)** pressed, then all tracks of the current folder will continue to be played in a random order.

The random play is ended by pressing the **(RDM)** function button.

The random play function is also quit when starting the automatic scanning or the track repeat function.

The random play function switched on is displayed using a "RDM" symbol.

List view (iPod mode⁵⁾ only)

If an iPod is connected and selected as audio source, after pressing the function button **(LIST)** using the rotary knob Fig. 1 **(1)** you are able to select play lists, artists, albums, songs, genres or composers directly. Confirmation of the selection is carried out with function button **(SEL)**. You can go back one operating step using the **(BACK)** function button.

Pause button

The playback of a track can be interrupted temporarily by pressing the **(II)** function button.

Playback is continued by pressing the function button **(S)**,

⁵⁾ iPod classic 4th generation, iPod mini 1st generation and iPod shuffle are connected as USB data carrier and **not** in iPod mode.

Inserting or removing the CD

Inserting the CD

To be able to guarantee a trouble free and high quality CD playback, only use clean CDs that do not have scratches or are damaged.

Hold the data carrier on the sides in order to avoid finger prints on the data carrier.

- 12 cm CD with the printed side up should be inserted into the CD slot Fig. 1 ③ until it is automatically drawn in.

The radio switches to CD operation and starts the playback. Operating is the same as described in section "Playback from the data carrier" ⇒ Page 113.

Press the **(MODE)** button in order to stop the CD mode and change to another audio source.

Removing the CD

- Press the **(▲)** button to move an inserted CD to the removal position.

If the CD is not removed from the device within 20 seconds, it is drawn back into the device automatically to protect it against damage.

Even if the device is switched off, a CD can be inserted or ejected to the removal position by pressing the **(▲)** button.

Inserting or removing the SD card

Inserting the SD card

If an SD card cannot be inserted, check the insertion position and SD card.

- Insert the SD card with cut-off corner to the right side into the SD card slot Fig. 1 ⑬ until it locks in place.

The radio switches to SD mode and starts the playback from the data carrier. Operating is the same as described in section "Playback from the data carrier" ⇒ Page 113.

Press the **(MODE)** button in order to stop the SD mode and change to another audio source.

Removing the SD card

In order to avoid damage, the SD card should only be removed when the radio is switched off.

- Press on the SD card inserted. The SD card "jumps" to the removal position.
- Pull out the SD card.

USB data carrier to the USB socket

If a USB data carrier is inserted in the USB socket then the radio switches to USB mode and starts the playback. Operating is the same as described in section "Playback from the data carrier" ⇒ Page 113.

Press the **(MODE)** button in order to stop the USB mode and change to another audio source. In order to avoid damage, the USB data carrier should only be pulled out when the radio is switched off.

iPod to the USB socket (iPod mode)

The rechargeable battery is charged during the playback of the iPod. The control on the iPod has no function. If the random play function on the iPod is switched on when connecting it, this setting is taken over by the radio and shown in the display by "RDM".

If an iPod is connected to the USB socket then the radio switches to iPod mode and starts the playback. Operating is the same as described in section "Playback from the data carrier" ⇒ Page 113.

Press the **(MODE)** button in order to stop the iPod mode and change to another audio source. The connection to the iPod can be separated at any time.

External playback device to the AUX socket

An external playback device can be connected with the radio via the AUX socket and a connecting cable. Audio files played back on an external playback device can be played back via the vehicle loudspeakers. Control and track display on the radio is **not** possible.

A connected external playback device is indicated by a "AUX AUDIO" symbol.

Connecting an external playback device to the AUX socket

- Turn down the volume on the radio using the rotary knob Fig. 1 ①.
- Insert the connecting cable in the AUX socket of the radio.

The radio changes to AUX mode.

- Insert the connecting cable in the respective socket of the external playback device.
- Start the playback on the external playback device.

Special features when operating an external playback device on the AUX socket

Handling	Effect
Selection of another audio source on the radio	External playback device continues to run in the background.
Ends the playback or separates the connection to the external playback device.	The radio remains in the AUX menu.
Disconnecting the connecting cable from the radio.	The radio starts playing back the audio source last played.

Bluetooth functions

The radio can be connected with Bluetooth mobile phones or Bluetooth playback devices. If the Bluetooth device supports the A2DP profile, audio files saved can be played back via the radio or the vehicle loudspeakers.

If a mobile phone is connected via Bluetooth then the hands-free system integrated in the radio can also be used.

Before establishing the Bluetooth connection, the Bluetooth device and the radio must have been coupled once. The coupling data are saved in the radio for future connections.

The coupling data from up to 6 Bluetooth devices can be saved in the radio. If necessary, the coupling data of a Bluetooth device have to be deleted (⇒ Page 118 "Delete coupling"). Only one Bluetooth device can be connected to the radio at a time.

After switching on the radio, a search is made for the Bluetooth device whose coupling data have been saved. The last Bluetooth device that it was connected to will always be the first one to be searched for and then the system will search through the other devices saved in the list and connected where applicable.

When the ignition is turned on, the Bluetooth connection between the radio and the mobile phone is also established when the radio is switched off. The radio switches on automatically when an incoming call is registered and the call can be performed via the hands-free system.

Coupling Bluetooth devices

The Bluetooth device must be switched on before coupling. The Bluetooth function must be activated and there must be no other Bluetooth connection to another device.

An existing connection to a coupled Bluetooth device is disconnected on the radio automatically if a new coupling process is started.

- Keep the **(MODE)** button pressed until "BLUETOOTH" is shown in the display.
- Press the **(PAIR)** function button.

Then "KEY" is shown on the display of the radio with a 4 digit value. This 4 digit value is the password (PIN) required for the Bluetooth coupling.



- The search for Bluetooth devices in the surrounding starts on the Bluetooth device.

The Bluetooth device displays a list of the devices found.

- Select "RMT200" in the list.

A password request appears on the mobile phone.

- Enter the 4 digit value that is shown on the display of the radio. If an incorrect password has been entered, the coupling process is cancelled and you have to select the device "RMT200" again in the list of devices found.
- A question asking you if this Bluetooth connection should be established in the future without entering the password again may be displayed independent of the Bluetooth device that you are using. Confirm this request with "Yes" to enable the Bluetooth connection to be established automatically when turning on the radio.

"CONNECTED" is shown on the display of the radio for a short period. The active Bluetooth connection is displayed using the  symbol. If a mobile phone is connected, this is also shown by the symbol .

The Bluetooth connection is separated automatically when the device leaves the Bluetooth reception range of the radio or the ignition is turned off.

If the Bluetooth connection is separated manually on the device, this is not re-established automatically when switching on the radio. The connection can be re-established via the Bluetooth device or the Bluetooth menu of the radio without having to re-enter the password.

Disconnecting the connection to the Bluetooth device on the radio

- Keep the **(MODE)** button pressed until the name of the coupled Bluetooth device is shown in the display.
- Press the **(SET)** function button to call up the menu "BLUETOOTH". Press the **(DIS)** button in order to disconnect the existing connection to the Bluetooth device.

Reconnecting a coupled Bluetooth device with the radio again

The Bluetooth device has to be switched on and Bluetooth activated.

- Keep the **(MODE)** button pressed until the "BLUETOOTH" is shown in the display or the name of the Bluetooth device coupled is displayed.
- Press the **(CON)** function button.

The DEVICE LIST menu is opened.

- Press the function button **(1)** *briefly* in order to display the name of the coupled Bluetooth device.
- If the desired Bluetooth device is displayed, keep the respective function button pressed until "SELECTED" is shown in the display.

The Bluetooth device selected is connected. An existing Bluetooth connection being carried out at this point is disconnected. This procedure may take several seconds.

Delete coupling

- Keep the **(MODE)** button pressed until the name of the current Bluetooth device coupled is shown in the display.
- Press the **(MENU)** button to call up the menu "BT CONFIG".
- Press the **(DEL)** button and, where necessary, using the rotary knob **(1)** select the coupling to be deleted.
- Confirm deleting the coupling by pressing the function button **(DEL)**.

If this Bluetooth device should be used again, it has to be re-coupled (⇒ Page 117 "Coupling Bluetooth devices").

Bluetooth menu

In the Bluetooth menu BT CONFIG, you are able activate different functions and carry out settings.

In order to call up the BT CONFIG menu, keep the **(MODE)** button pressed until "BLUETOOTH" is shown in the display or the name of the Bluetooth device coupled is displayed. Then press the **(MENU)** button.

If no other selections are made then the menu is closed automatically after a few seconds.

Phone book transfer (APB)

The entries and call numbers saved in the phone book of the mobile phone can be transferred to the memory of the radio and saved there. These phone book entries saved can be called up for calling a call number using the operating elements of the radio. The phone book data is only visible when the corresponding mobile phone is connected and they are therefore not visible for other users of the vehicle.

- In the BT CONFIG menu, press the **(MENU)** button and then the **(APB)** function button.

If necessary, access to the phone book data still has to be permitted on the phone.

Data transfer is started and is indicated by "PB DOWN" in the display of the radio. This may take a little time depending on the size of the data saved. "PBA SAFE" is shown in the display at the end of the data transfer.

Bluetooth volume (BVOL)

The maximum switching on volume for playback via Bluetooth audio can be set and saved. This permits an adaption to be carried out on different Bluetooth devices.

- In the BLUETOOTH menu, press the **(MENU)** button and then the **(BVOL)** function button.
- Set the desired playback volume using the rotary knob Fig. 1 ① (BVOL 06...31 or BVOL MIN/BVOL MAX).

During the playback of music tracks via Bluetooth audio, the volume can still be set as usual using the rotary knob Fig. 1 ①.

Call tone volume (RVOL)

During an incoming call, the current audio playback is interrupted and the call tone is played back via the vehicle speakers. The playback volume of the call tone can be set.

- In the BLUETOOTH menu, press the **(MENU)** button and then the **(RVOL)** function button.
- Set the desired call tone volume using the rotary knob Fig. 1 ① (RINGVOL 03...10).

The call tone volume can be adjusted during an incoming call using the rotary knob Fig. 1 ①. These settings are saved for the following phone calls.

Hands-free system**Accepting, making and ending a call**

An incoming call is shown on the display of the radio. The call tone is played back via the loudspeakers of the vehicle. The telephone book entry is shown in the display if the caller is saved in the telephone book. The phone call can be accepted using the **(ACCEPT)** function button or rejected using the **(REJECT)** function button.

In order to conduct a phone call, the connection can be established using the control element of the radio (see below "Select saved caller number").

Using the **(HS)** function button, you are able to transfer a current call from the hands-free system to the mobile phone.

In order to conduct the call back using the hands-free system, press the function button **(HF)**. The hands-free system is active again as soon as a call transferred to the mobile phone has been ended.

The call can be ended using the **(END)** function button.

Setting the playback volume of the hands-free system

Calls performed via the hands-free system of the radio are played back using the preset volume via the vehicles loudspeakers. Using the rotary knob Fig. 1 ① you are able to change the volume during the call. The subsequent calls are played back with this volume.

Select a call number from the telephone book (CALL)

Phone book entries (see "Transferring the phone book" ⇒ Page 118) can be selected directly via the control element of the radio.

- Keep the **(MODE)** button pressed until the name of the coupled mobile phone is shown in the display.
- Press the **(CALL)** function button.
- Using the rotary knob Fig. 1 ① select the desired call number from the phone book and call up using the **(SEL)** function button.

The standard number of the participant is displayed. If several telephone numbers are saved for this participant in the phone book, these can be selected using the rotary knob Fig. 1 ①.

- In order to establish the connection to the displayed call number, press the **(CALL)** function button.


Starting the call can be cancelled using the **(END)** function button.

Redial call (REDIAL)

By pressing the **(REDIAL)** function button, a connection to the last participant called or the last call number dialed can be established in the Bluetooth / hands-free menu.

Caller list (LAST)

By pressing the **(LAST)** function button, the caller list can be opened and you can scroll through by turning the rotary knob Fig. 1 (1) in the Bluetooth / hands-free menu. Using the **(CALL)** function button, you can establish the connection to the participant displayed or the call number displayed. The caller list is deleted after disconnecting the Bluetooth connection.

 The caller list is managed in the radio and must not correspond with the caller list in the mobile phone.


Voice control (VOICE)

Depending on the mobile phone coupled, the voice control of the phone can also be used in hands-free mode. The quality of the voice command detection depends on the mobile telephone that is being used. The voice control is started in the BLUETOOTH menu by pressing the **(VOICE)** function button.




Bluetooth audio

With the wireless communication interface Bluetooth audio, the music that has been saved in your mobile phone or Bluetooth playback device is played back via the radio (audio streaming).

To be able to use the Bluetooth device, the Bluetooth device must support the A2DP profile. This Bluetooth profile is used for wireless transferring of Stereo-Audio-Signals in a high quality.


If a Bluetooth device is connected to the radio that is suitable for Bluetooth audio, this is shown in the display by the symbol .


If the Bluetooth device supports the AVRCP protocol, it can also be controlled via the radio:

Control element	Function
	Changes between Play and Pause
	Press <i>briefly</i> for skip track forwards, keep pressed for fast forwards
	Press <i>briefly</i> for skip track backwards, keep pressed for fast return

When an incoming call is received, the music playback is interrupted for the period of the call and continued after ending the call.

 For Bluetooth devices that do not support the AVRCP protocol, the audio playback may have to be started on the mobile phone.

 Fast forward / return is not supported on all mobile phones with AVRCP protocol.

 The Bluetooth audio function of many Bluetooth devices is not supported at all or has limited support.

Voice memos

In order to be able to use the voice memo function, a USB data carrier must be inserted in the USB socket or an SD card in the SD card slot of the radio. The USB data carrier or the SD card must have memory available and must not have a write protection.

When inserting a USB data carrier or an SD card, a new directory is created, RECORD. In this directory, voice memos are saved as mp3-files and can be played back on the radio or on a computer.

Recording a voice memo

- Keep the **(MENU)** button pressed in order to open the voice memo note (VOICE REC).
- Press the **(REC)** function button to start recording. Using the **(STOP)** function button, the current recording is ended and stored.

The maximum duration of a recording is 2 minutes. After ending the recording, the file name automatically assigned is shown on the display briefly. The file name VORC001.mp3 is assigned for the first recording and all successive recording are numbered successively.

Listen to voice memos

- Keep the **(MENU)** button pressed in order to open the voice memo note (VOICE REC).
- Press the function button **(▶)** to start the playback. The playback of a voice memo can be interrupted temporarily by pressing the **(||)** function button.

The playback starts with the last voice memo saved.

If several voice memos have been saved then these can be selected using the buttons **(◀)** and **(▶)**. The respective file name of the voice memo is shown in the display during the selection and playback can be started using the function button **(▶)**.