



PORSCHE



# CDR-31

Driver's manual

Printed in Germany.

Reproduction in any form, either in whole or in part, is prohibited without written permission from Dr. Ing. h.c. F. Porsche AG.

© Dr. Ing. h.c. F. Porsche AG  
Porscheplatz 1  
D-70435 Stuttgart, Germany



# Contents

<b>General instructions .....</b>	<b>3</b>	<b>CD mode .....</b>	<b>25</b>
<b>Introduction to operation .....</b>	<b>4</b>	Starting CD mode .....	26
Operating functions using the touchscreen .....	4	Single CD mode .....	26
Operating functions with the right knob .....	4	CD changer mode (optional) .....	26
Controls and their functions .....	5	Playback functions .....	28
Using the menus .....	8	Track list .....	29
<b>Basic functions.....</b>	<b>11</b>	<b>AUX (optional) .....</b>	<b>30</b>
Switching ON.....	11	Connecting external sources.....	30
Switching OFF .....	11	<b>Telephone mode (optional).....</b>	<b>31</b>
Volume settings .....	11	Bluetooth® .....	31
Sound off (MUTE).....	11	Switching on telephone mode .....	32
Sound settings .....	11	Connecting a mobile telephone .....	32
Advanced sound settings.....	13	Telephone calls.....	34
<b>CAR</b> menu .....	15	Phonebook .....	37
<b>INFO</b> menu .....	18	Extended telephone functions .....	39
<b>FM mode .....</b>	<b>19</b>	<b>Troubleshooting .....</b>	<b>42</b>
Switching on FM mode .....	19	<b>Index .....</b>	<b>44</b>
Searching for a station and setting manually ...	19	<b>Appendix.....</b>	<b>47</b>
Storing and retrieving stations .....	19		
Station list.....	20		
Extended radio functions (FM) .....	21		
<b>AM mode.....</b>	<b>22</b>		
Switching on AM mode .....	22		
Searching for a station and setting manually ...	23		
Storing and retrieving stations .....	23		
Station list.....	24		

# General instructions

## WARNING

**The CDR-31 can distract your attention from the traffic conditions. You could cause an accident and place yourself and others in danger.**

- ▷ Always devote your complete attention to the traffic situation.
  - ▷ Only operate the CDR-31 when traffic and driving conditions are appropriate.
  - ▷ Only change discs while the vehicle is stationary.
  - ▷ Set the volume to a level that allows you to hear important sounds outside the vehicle e.g. horns, sirens and alarms.
- 

## WARNING

**The CDR-31 is a Class 1 laser product. There is a risk of damage to the eyes from invisible laser radiation if the housing is opened or if it is faulty or damaged.**

- ▷ Do not open the housing.
  - ▷ Do not remove any covers.
  - ▷ Do not carry out any repairs to the device. If necessary, have the device repaired at a suitably qualified repair shop.
- 

## Protective circuits

The CDR-31 includes protective circuits that prevent damage to the device as far as possible:

- If the supply voltage is too low or too high, or if the CDR-31 becomes too hot, the CDR-31 will switch off automatically.
- CD mode will be switched off if the CD drive overheats. It is possible to switch to another sound source until the CD drive has cooled down.

## Theft protection

The CDR-31 cannot be switched on if the theft warning system on the vehicle is active.

# Introduction to operation

## Operating functions using the touchscreen

The screen of the CDR-31 is a colour touchscreen which allows you to operate the menus easily and comfortably.

You can operate all menu functions, list entries and text input fields, as well as the arrow symbols by gently touching the appropriate place on the screen.

## Operating functions with the right knob

In addition to touchscreen operation, you can operate all menu functions, list entries and input fields using the knob on the right:

- ▷ Turn the right knob to mark the menu item.
- ▷ Press the right knob to select the menu item.

### CAUTION

**Risk of damage. The CDR-31 contains high quality electronic components which require careful maintenance and care.**

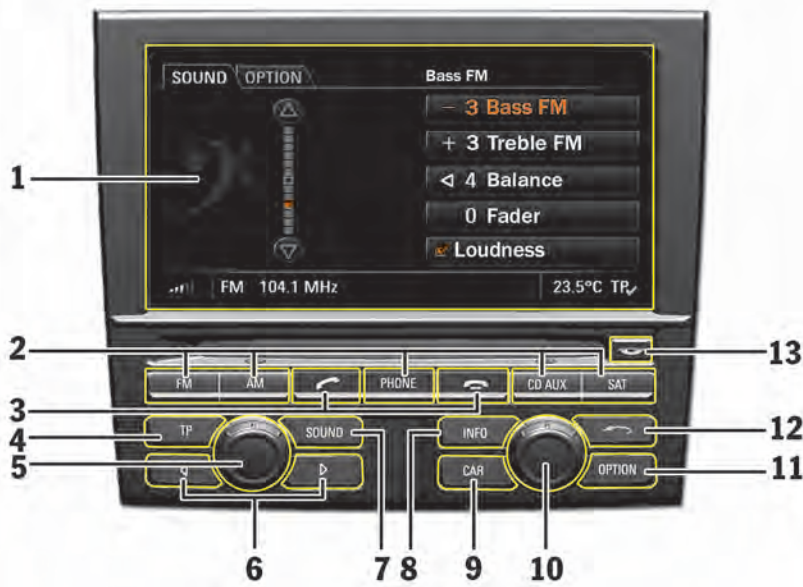
Please note the following:

- The screen is easily scratched.
- Do not spray liquid onto the appliance. If liquids get inside the appliance they could destroy it.
- ▷ Carefully clean your CDR-31 from time to time using a soft, dry and clean cloth (microfibre cloth) or a cleaning brush.
- ▷ Do not lean heavily on the surface when cleaning the appliance.
- ▷ Never use cleaning solutions such as methylated spirit, white spirit, benzene, acetone or alcohol (ethanol, methanol or isopropanol) or any abrasive.
- ▷ Wipe away fingerprints using a slightly damp cloth or a mild cleaning agent.




- ▷ Never spray cleaning agents or other liquids directly onto the screen. Dampen a cloth and then carefully wipe the screen.
- ▷ Never open the CDR-31 yourself in the event of a fault! Take the faulty appliance to be repaired at a competent service centre. We recommend that you use a Porsche Partner for this work as this will ensure that trained workshop staff and the necessary parts and tools will be available.

If it is extremely cold, it will take a few minutes for the screen to reach maximum brightness.

---



## Controls and their functions

- |    |  |
|----|--|
| 1  | Touchscreen  |
| 2  | Main menu buttons<br>FM button<br>AM button<br>PHONE button<br>CD AUX button<br>SAT button (no function)                       |
| 3  | "Lift receiver" button<br>"Hang up" button  |
| 4  | Traffic Announcement button TP   |
| 5  | Left knob: adjust volume<br>Press briefly: switch on appliance or mute<br>Hold down: switch appliance on or off                |
| 6  | Arrow buttons  |
| 7  | SOUND button   |
| 8  | INFO button  |
| 9  | CAR button   |
| 10 | Right knob<br>Turn: mark menu item<br>Press: select menu item  |
| 11 | OPTION button  |
| 12 | Back button                                 |
| 13 | Insert and eject button for CDs             |

## 1 - Touchscreen

You can operate all menu functions, list entries and text input fields, as well as the arrow symbols by gently touching the appropriate place on the screen.


## 2 - FM, AM, PHONE and CD AUX buttons

If you press these buttons the following main menus will appear

- **FM:** FM radio main menu
- **AM:** AM radio main menu
- **PHONE:** phone main menu
- **CD AUX:** press once CD main menu, press again AUX main menu

You can switch from one main menu to another at any time.


## 3 - "Lift receiver" button and "Hang up" button

Pressing the "Lift receiver" button  allows you to:

- take an incoming call

or

- open the list of selected calls.

Pressing the "Hang up" button  allows you to:

- reject an incoming call

or

- end an existing call

or

- go to the phone main menu.

If a phone is not connected to the CDR-31, these buttons have no function.



## 4 - Traffic Announcement button (TP)

Pressing the Traffic Announcement button TP switches reception of FM traffic announcements ON or OFF.



## 5 - Right knob

Besides the touchscreen the right knob is the main control. Turning the knob highlights the desired menu item. Pressing it selects a marked menu item.

## 6 - Arrow buttons

Briefly pressing the  and  arrow buttons allows you to:

- skip to the previous or next track in CD mode,
- start a station search in Radio mode.

By pressing and holding the arrow buttons  and  for several seconds, you can:

- start fast-forward or rewind in CD mode,
- start the **SCAN** function in Radio mode.

## 7 - SOUND button

If you press the **SOUND** button a menu will open allowing you to adjust the sound settings for the CDR-31.



## 8 - INFO button

Pressing the **INFO** button displays information about the current audio source, the phone status and the system.

## 9 - CAR button

Pressing the **CAR** button opens a menu which allows you to switch on the ParkAssistant display and adjust system settings.

## 10 - Left knob

Holding down the left knob switches the appliance ON or OFF.

Pressing the left knob allows you to change the following settings:

- Volume of the active audio source
- Volume of a traffic announcement
- Volume when making a call using the handsfree unit
- Ring tone volume of phone for an incoming call
- Cancel mute (turn the knob to the right).

Briefly pressing the left knob performs the following functions:

- Cancel traffic announcements
- Mute the appliance
- Switch on the system.


## 11 - OPTION button

Pressing the **OPTION** button takes you into the options menu of the main menu you are currently in.

## 12 - Back button

Pressing the back button allows you to reverse an operating selection.

## 13 - Eject button

Pressing the  button performs the following functions depending on the features of your CDR-31:

### CDR-31 without a CD changer


- If there is a CD in the device, it will be ejected for you to remove.

### CDR-31 with CD changer

- The CD changer menu will open.
- Pressing the button again will eject the CD that was just played for you to remove.
- If you hold the button down for several seconds and there are no CDs in the compartments, you will be prompted to insert CDs into the compartments one after the other.
- If you hold the button down for several seconds and there are CDs in at least some of the compartments, all the CDs will be ejected one after the other.

## Using the menus

### Main menus and submenus

You can use the touchscreen **or** the right knob or the  button to operate the menu.

### Activating/selecting menu items


- ▷ Touch the menu item on the screen.

- or -

- ▷ Mark the menu item by turning the right button and then activate it by pressing the knob.

The process of marking and activating using the right knob **or** touching the menu item on the screen will be referred to from now on as "**Selecting**".

### Exiting the menu

- ▷ Press the  button to move up one level of the menu.

- or -

- ▷ Press a main menu button to return to a main menu.

## Settings

Each of the FM, SOUND, PHONE modes and the CAR menu has an associated settings menu. To go to the settings menu first press the main function button and then the **OPTION** button or touch "**OPTION**" on the touchscreen.





## Using lists

Some menu items give access to lists.

### Navigating within lists

You can mark list entries as follows:

- ▷ Touch the  and  symbols on the screen
- ▷ Turn the right knob.

A marked list entry will appear in an orange frame.



## Using checkboxes

Some menu items have a box beside them. These menu items represent a function which can be activated by selecting it.

- Function ON/activated.
- Function OFF/deactivated.



## Using option fields (radio buttons)

If the menu item has a circle beside it instead of a box, it is known as an option field.

Unlike checkbox functions which can be combined any way you like, only one menu item can be active in option fields.

Like checkboxes, option fields are activated or deactivated by selecting them.

If the circle is filled in, the option field is active.



## Using the input menu

The **PHONE** menu allows you to search for names in the phonebook.

- ▷ To enter data in an input menu, gently tap the character on the screen.

**- or -**

- ▷ Mark the character by turning the right knob and insert it by pressing the right knob.
- ▷ To confirm and use the data entered select the **OK** field.

Characters appearing in grey cannot be selected.

As well as letter fields, the input menu also contain certain function fields to change the range of characters displayed

Function field	Meaning
ABC	Switch to alphabet
123	Switch to numbers and punctuation marks
ÅËÑ	Switch to additional characters
SPACE	Inserting spaces

# Basic functions

## Switching ON

- ▶ Press the volume control knob briefly.  
The most recently selected main menu will be displayed and the most recently selected sound source will be activated.

## Switching OFF

- ▶ Press and hold the volume control knob.

### Note

If the CDR-31 is switched ON, then it will be switched ON and OFF automatically with the ignition.


## Volume settings

The left knob can be used to adjust the volume of the sound source (AM, FM, CD and AUX), as well as the volume of the hands-free telephone system. The volume levels set for the sound sources and the hands-free telephone are stored independently of each other.


- ▶ Turn the left knob to the right to increase the volume.
- ▶ Turn the left knob to the left to reduce the volume.

## Sound off (MUTE)

### Activating

- ▶ Press the left knob briefly.  
The MUTE symbol  will be shown in the status bar.

### Deactivating



- ▶ Press the left knob briefly or turn the left knob to the right.  
The MUTE symbol  will disappear.



## Sound settings\*



The bass, treble, balance, fader and loudness settings can be used to adjust the CDR-31 to provide a sound optimised to your requirements. The setting options depend on your audio system amplifier (e.g. Bose® or Burmester®). The sound settings for bass and treble can be **individually set for each sound source**.

### Adjusting the bass

1. Press the **SOUND** button.
2. Select "**Bass**".
3. Adjust the desired setting using the  and  symbols or by turning the right knob.



\*) The fader function is available for specific models only

## Setting the treble

1. Press the **SOUND** button.
2. Select "Treble".
3. Adjust the desired setting using the  and  symbols or by turning the right knob.



## Setting the balance

The balance settings can be used to adjust the volume distribution between the left and right speakers.

1. Press the **SOUND** button.
2. Select "Balance".
3. Adjust the desired setting using the  and  symbols or by turning the right knob.

## Setting the fader\*

The fader settings can be used to adjust the volume distribution between the front and rear speakers.

1. Press the **SOUND** button.
2. Select "Fader".
3. Adjust the desired setting using the  and  symbols or by turning the right knob.

\*) The fader function is available for specific models only

## Setting the Loudness\*

The Loudness setting increases the sound capacity by accentuating the low frequencies (bass). This has the most noticeable effect at lower volume levels.

1. Press the **SOUND** button.
2. Select "Loudness".

Loudness is switched ON  or OFF .

## Surround (Bose® Sound System)

The **Centerpoint® signal processing system** generates multi-channel surround sound from standard stereo sources such as CDs, radio and MP3s. To achieve this, the stereo signal is continuously analysed and converted into multi-channel surround sound using Bose's patented algorithm. **SurroundStage® signal processing**, a Bose technology, sends the surround sound signals generated in this way to the appropriate speaker, thus offering the listener a well-balanced 360° listening experience

1. Press the **SOUND** button.
  2. Select "Surround".
- Surround is switched ON  or OFF .

\*) not with BOSE® Sound System and Burmester Audio System

## Position (Burmester® Audio System only)

Use the "Position" setting to optimise the sound for the seating position of the listener.

1. Press the **SOUND** button.
2. Select "Position".

You can choose from the following options:

- "Front"  
The sound is optimised for the driver and passenger.
  - "Symmetric"  
The sound is optimised for the driver and passengers both in the front and in the back.
  - "Rear"  
The sound is optimised for the passengers in the back.
3. Select to set the desired option.



## Advanced sound settings

1. Press the **SOUND** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.

### Traffic Announcement volume

The "Traffic Announcement" setting allows you to adjust the minimum volume of traffic announcements.



1. Press the **SOUND** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "Traffic Announcement".

You can set a value between 0 and 11. The values have the following meaning:

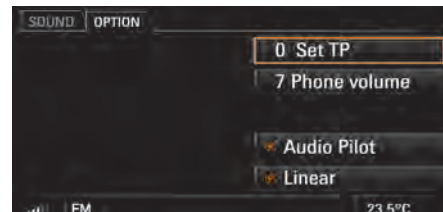
- 0: Traffic Announcement OFF
- 6: Standard setting

### Speed-dependent volume\*

The **SDVC (Speed Dependent Volume Control)** is a feature that controls the volume automatically according to the speed of the vehicle. At higher speeds, the volume is increased. This compensates for the increase in driving noise that occurs as the speed increases.

1. Press the **SOUND** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "SDVC level".
4. Adjust the desired setting using the  and  symbols or by turning the right knob.

\*) not with **BOSE® Sound System** and **Burmester Audio System**



### Bose® Sound System settings

#### AudioPilot® "BOSE Sound System"

Wind, vehicle noise and rain can all negatively affect the enjoyment of music in a vehicle. AudioPilot® uses a microphone to detect all the noises that occur inside the vehicle. A digital filter is then used to distinguish between music, which is intended to be heard, and unwanted background noise. Finally, the system continuously adjusts the tone and volume of the music playback in order to compensate for the effects of any background noise. This means that manual readjustment of the tone and volume settings is not necessary.

1. Press the **SOUND** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "AudioPilot".

AudioPilot is switched ON  or OFF .

## Linear

When the "Linear" feature is activated, the CDR-31 switches from an accentuated-bass sound mode ("Linear OFF") to a more audiophilic sound ("Linear ON").

1. Press the **SOUND** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "Linear".

The "Linear" feature is now switched ON  or OFF .



## Burmester® sound settings

1. Press the **SOUND** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "Burmester".

You can choose from the following options:

- "Smooth"
  - "Sound conditioner"
  - "Surround"
  - "Life"
4. Select to set the desired option.



## CAR menu

In the CAR menu you can switch on the ParkAssistant display and adjust various system settings.

### ParkAssistant

The ParkAssistant indicates to the driver both visually and acoustically the distance between the vehicle and an obstacle when parking.

The ParkAssistant visual parking aid is displayed on the screen of the CDR-31. Obstacles located in front of and behind the vehicle are displayed with the help of different coloured fields. These fields show the contours of the obstacles as well as their distance from the vehicle.

#### Note

Please also refer to the relevant section in your vehicle instruction manual.



The following coloured fields are used to display the obstacles and their distances from the vehicle.

Colour of the field	Distance <b>in front of</b> the vehicle	Distance <b>behind</b> the vehicle
green	< 120 cm	< 180 cm
yellow	< 80 cm	< 80 cm
red	< 40 cm	< 45 cm
red with continuous tone	< 30 cm	< 35 cm

#### Note

If the ParkAssistant detects a trailer, it will not display any distance information behind the vehicle.

#### WARNING

**Potential accident.** Despite having the ParkAssistant, it is the driver who is responsible when parking and estimating the distance from obstacles. When the continuous tone is heard, collision is imminent.

- ▷ Ensure that there are no people, animals or obstacles within manoeuvring range.
- ▷ When you hear the continuous tone, do not continue to approach an obstacle.

Once the ignition has been turned on, the ParkAssistant display is automatically active up to a speed of approx. 15 km/h.

### Deactivating ParkAssistant

You can deactivate the ParkAssistant by pressing the button in the overhead control panel. When the ParkAssistant is deactivated, the control lamp in the button lights up. In this case, there is **no** automatic display on the screen of the CDR-31. Nor is it possible to manually activate the display.

## Switching the ParkAssistant display ON/OFF

### Automatic display

When the feature is switched ON, the visual parking aid is displayed on the screen of the CDR-31 in the following circumstances

- when put into reverse,
- when rolling in reverse is detected or
- when there is a distance of less than 80 cm in front.

If the feature is switched off, proceed as follows to switch it on:

1. Press the **CAR** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "ParkAssistant".

The ParkAssistant's automatic display is switched on .

### Note

The acoustic alarm feature is always switched on.

### Switch display on manually

Displaying ParkAssistant if it was switched off by pressing a main function button:

1. Press the **CAR** button.


Displaying ParkAssistant even if the requirements for automatic activation have not been met:

1. Press the **CAR** button.
2. Select "ParkAssistant".

The visual parking aid is displayed on the screen of the CDR-31.

### Exiting the ParkAssistant display

The display is ended once again as soon as you

- take the vehicle out of reverse (after 30s or a speed of > 15km/h),
- press one of the main menu buttons,
- press the  back button,
- activate the electrical parking brake or
- put the gear shift in the P position.



### Switching off the screen

You can turn off the screen of the CDR-31.



1. Press the **CAR** button.
2. Select "Screen".
3. Select "Switch off display".

4. Select "Confirm".

The screen will come back on again when you touch the touchscreen or press any button.

### Adjusting the brightness

You can adjust the brightness of the screen from -6 to +6.

1. Press the "CAR" button.
2. Select "Screen".
3. Select "Brightness".
4. Set the brightness as desired using the  and  symbols.



## Advanced CAR menu

You can adjust the settings of the CDR-31 in the options menu in the **CAR** menu.

1. Press the **CAR** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.

### Setting the language

1. Press the "CAR" button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "Language".
4. Select the desired language.

## Vehicle handover

It is possible to delete all data saved in the CDR-31. This deletes all personal information (e.g. telephone numbers) and all of the settings will be restored to the factory settings (e.g. sound settings). The Device list will also be deleted.

1. Press the **CAR** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "Vehicle handover".
4. The following prompt will appear: "Data loss! All your data (e.g. telephone numbers) will be deleted. Would you like to reset?" .
5. Select "Yes" or "No".  
If you select "Yes", the following prompt appears: "Are you sure you want to reset or delete all settings and data?"
6. Select "Yes" or "No".

## Restoring factory settings

The CDR-31 can be reset to factory default settings. This will restore all settings to their original values (e.g. sound settings).

1. Press the **CAR** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.
3. Select "Factory settings".

The following prompt appears: "Restore factory settings? Data (e.g. phonebook ) will not be deleted".

4. Select "Yes" or "No".

## Switching the ParkAssistant display ON or OFF

Please refer to Section "SWITCHING THE PARKASSISTANT DISPLAY ON/OFF" on page 16.



## INFO menu

The **INFO** menu displays detailed information about the CDR-31.

1. Press the **INFO** button.

### Displaying details about the audio source

1. Press the **INFO** button.
2. Select "**Details SOURCE**".

Details about the active audio source e.g. radio or CD text are displayed.

### Displaying details about the system version

1. Press the **INFO** button.
2. Select "**System version**".

The software version of the CDR-31 is displayed.



## FM mode

### Switching on FM mode

- ▷ Press the FM button.

### Searching for a station and setting manually

#### Setting the frequency manually

1. Select "Frequency".
2. Set the desired frequency using the right knob.

### Starting station search

The station search can be used to search for the station closest to the one currently set in the frequency band.

- ▷ Press the **▷** button briefly to search for a station above the frequency currently set.

- or -

- ▷ Press the **◀** button briefly to search for a station below the frequency currently set.

The station search will be activated and will stop as soon as the CDR-31 has found another station.

### SCAN

The SCAN function searches for all stations in the frequency band and plays each of these for a short period.

#### Starting SCAN

- ▷ Press and hold the **◀** or **▷** button.

#### Stopping SCAN

- ▷ Press the **◀** or **▷** button briefly.
- The last station found will be played.

## Storing and retrieving stations

### Memory levels and memory locations

The CDR-31 has three memory levels for FM mode (FM1, FM2 and FM3). Six stations can be stored on each memory level.

#### Selecting a memory level

- ▷ Press the FM button repeatedly until the desired memory level is selected (FM1, FM2, FM3).

#### Storing the station

- ▷ Select and hold the desired memory location.

An audible confirmation signal will be heard. The station will be stored at the selected memory location and will be played.

## Retrieving a station

- ▷ Select the desired station.


The CDR-31 will play the selected station. The central area of the screen will show up-to-date information from the station.

## Automatically searching for and storing stations (Autostore)

The Autostore function automatically stores the six stations with the best reception quality on one of the memory levels (FM1, FM2 or FM3).

- ▷ Select "**Autostore FM**" and hold down for more than one second.

The CDR-31 will search the entire frequency band and will store the six strongest stations in the current memory level.

- ▷ To cancel: press the  button.



## Best FM

Best FM continuously stores the six stations with the best reception quality on a separate memory level. The order of the stations depends on changes in reception conditions and does not relate to the broadcast station strength.

Stations cannot be stored manually on the Best FM level. Autostore is not possible here either.

- ▷ Press the **FM** button repeatedly until "**Best FM**" is selected.

## Station list

The station list shows all stations that are currently being received by the CDR-31. The station name is shown on the left and the program type (PTY) is shown on the right. Where reception is weak or the station does not broadcast RDS information, only the transmission frequency will be shown.

## Accessing the station list

- ▷ Select "**Station list**".

## Selecting a station from the list

- ▷ Select the desired station.

## Exiting the station list

- ▷ Press the  button or the **FM** button.



## Extended radio functions (FM)

- ▷ Press the FM button.
- ▷ Press the **OPTION** button or tap "OPTION" on the touchscreen.

The submenu will be opened and the values currently set for the extended radio functions will be displayed.

### What is RDS?

RDS is a system that allows additional, non-audible information to be received. RDS can only operate if it is supported by the station and if the RDS data can be received. The type of information transmitted over RDS may include:

- The station name (PS)
- The program type of the station (PTY)
- A list of alternative transmission frequencies (AF) that allows the radio to be switched to an alternative frequency if reception becomes weak.

## Switching on the RDS function

When the RDS function is active, the CDR-31 will automatically switch to the strongest alternative frequency for the station in order to provide optimal radio reception.

- ▷ Select "RDS".

RDS is now switched ON  or OFF .

## Switching on the regional function

Some broadcasters transmit programme content on alternative frequencies that varies according to the region (referred to as regionalisation). If the regional function is deactivated, you may hear another programme whilst the radio is switching to an alternative frequency. When the regional function is activated, the system will only switch to alternative frequencies that have the same program content.

1. Press "RDS" to switch on RDS (.
2. Select "Regional (FM)".

The regional function is now switched ON  or OFF .

## Switching on radio text

Some broadcasters use RDS to transmit short text messages known as radio text e.g. to display the current track title. Radio text only works when reception is good.

- ▷ Select "Radio text".

Radio text is now switched ON  or OFF .

## Setting sort preferences for the station list

In FM mode you can sort the station list according to the following criteria:

- Station name ("Alphabetical"),
  - Reception quality ("Station strength"),
  - Programme type of the station ("Genre/PTY").
- ▷ Select "Sort criteria".
  - ▷ Select the criterion by which you would like to sort the stations.

## Switching on traffic announcement (TP)

Many FM radio stations provide traffic announcements (TP). When the traffic announcement function is switched on, the CDR-31 will automatically switch to FM mode when an announcement is broadcast.

- ▷ Press the TP button.

The symbol at the right hand side of the status bar also indicates whether the traffic announcement function is switched on:

### Traffic announcement symbol in the status bar



Traffic announcement ON. The CDR-31 is receiving a station that supports traffic announcements.



Traffic announcement ON. The CDR-31 is not currently receiving any stations that support traffic announcements.

### Note

The volume used for traffic announcements can be adjusted. Please refer to Section “TRAFFIC ANNOUNCEMENT VOLUME” on page 13.

## Traffic announcement

A message will appear on the display when a traffic announcement is broadcast.

### Cancelling a traffic announcement

- ▷ Press the right knob or select "Cancel".

The traffic announcement will be cancelled and the CDR-31 will switch back to the previously active sound source (e.g. CD).



## AM mode

### Switching on AM mode

- ▷ Press the AM button.



## Searching for a station and setting manually

### Setting the frequency manually

1. Select "Frequency".
2. Set the desired frequency using the right knob.

### Starting station search

The station search can be used to search for the station closest to the one currently set in the frequency band.

- ▷ Press the **▶** button briefly to search for a station above the frequency currently set.

- or -

- ▷ Press the **◀** button briefly to search for a station below the frequency currently set.

The station search will be activated and will stop as soon as the CDR-31 has found another station.

## SCAN

The SCAN function searches for all stations in the frequency band and plays each of these for a short period.

### Starting SCAN

- ▷ Press and hold the **◀** or **▶** button.

### Stopping SCAN

- ▷ Press the **◀** or **▶** button briefly.  
The last station found will be played.

## Storing and retrieving stations

### Memory levels and memory locations

The CDR-31 has three memory levels for AM mode (AM1, AM2 and AM3). Six stations can be stored on each memory level.

### Selecting a memory level

- ▷ Press the **AM** button repeatedly until the desired memory level is selected (AM1, AM2, AM3).

### Storing the station

- ▷ Select and hold the desired memory location.  
An audible confirmation signal will be heard.  
The station will be stored at the selected memory location and will be played.

## Retrieving a station

- ▷ Select the desired station.


The CDR-31 will play the selected station. The central area of the screen will show up-to-date information from the station.

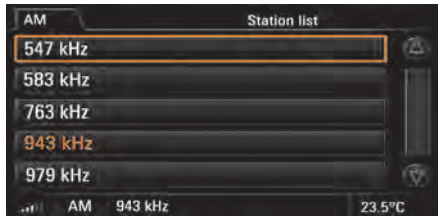
## Automatically searching for and storing stations (Autostore)

The autostore function automatically stores the six stations with the best reception quality on one of the memory levels (AM1, AM2 or AM3).

- ▷ Select "Autostore AM" and hold down for more than one second.

The CDR-31 will search the entire frequency band and will store the six strongest stations in the memory.

- ▷ To cancel: press the  button.



## Station list

The station list shows all stations that are currently being received by the CDR-31.

## Accessing the station list

- ▷ Select "Station list".

The station list will be updated. This may take a moment.

## Selecting a station from the list

- ▷ Select the desired station.

## Exiting the station list

- ▷ Press the  button.

# CD mode

## General instructions for CD operation

- Never insert any type of object other than a CD into the CD player. Never insert more than one CD at a time into the CD slot.
- Never try to oil or dismantle the CD player.
- Only use CDs that conform to the EN60908 standard.
- Never use CDs with stickers attached. Stickers may become loose and damage the CDR-31.
- Uneven road surfaces and other sources of vibration may cause interruptions during operation of the CD player.

## Supported formats

The CDR-31 supports the following audio formats:

- MP3 (MPEG1 Audio Layer 3)\*
- WMA (Windows Media Audio)
- AAC-LC (low complexity Advanced Audio Coding)
- DTS (Digital Theatre Systems)\*\*
- Dolby® Digital\*\*\*

General playback of all MP3, WMA and AAC formats cannot be guaranteed because of the number of various audio programs (encoders) available.

\*) MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

\*\*) Produced under licence according to U.S. patent numbers 5,451,942, 5,956,674, 5,974,380, 5,978,762, 6,487,535 and other patents granted and pending in the USA and the rest of the world. DTS and DTS Digital Surround are registered trademarks, and the DTS logos and the DTS symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All rights reserved.

\*\*\*) The double-D symbol is a registered trademark of Dolby Laboratories.

## Tips for use of compact discs (CD)

Dirty or scratched CDs may cause audible gaps during playback. Please observe the following advice to ensure optimal sound reproduction:

- Always hold the CD at the edge. Never touch the surface of the CD and ensure it remains clean.
- Do not attach anything to the CD.
- Protect CDs from sources of heat such as radiators.
- Clean CDs before use with a generally available specialist cleaning cloth, working from the centre outwards. Cleaning solutions such as benzene, white spirit or other commercially available cleaning products and antistatic sprays should not be used.

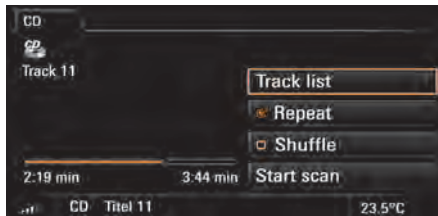
## Tips for use of CD-ROMs and MP3 CDs

- The CDR-31 can be used to play back audio CDs and MP3 CDs. MP3 CDs are data CDs that can also include folders.
- Acceptable bit rates for MP3 mode: fixed and variable bit rates up to 320 kBit/s.
- Acceptable sampling rates for MP3 mode: 24 kHz to 48 kHz.

- A delay may occur when reading MP3 discs, depending on the format used and amount of data stored.
- ID3 tags are not supported, instead the filename is displayed in MP3 mode.
- The CDR-31 can also read copy-protected audio CDs, provided that the copy protection method was known at the time of manufacture. It may not be possible to read CDs protected with newer copy protection algorithms.
- CDs with parts of the CD-ROM that do not correspond to the audio CD standard may not play on the system.
- CDs with more than 700 MB data volume can also cause playback problems.
- For multisession CDs, the content of the first session will determine how the CDR-31 processes the CD. All other sessions will be ignored.

## Starting CD mode

- ▷ Press the CD AUX button.




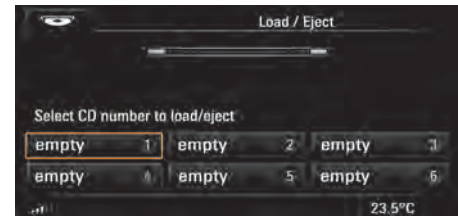
## Single CD mode

### Loading a CD

- ▷ Insert the CD into the CD slot with the printed side upwards, pushing as far as necessary for the automatic loading mechanism to engage.  
The CD will be read and played back.


### Ejecting a CD

- ▷ Press the  button.  
The CD will slide out of the slot and can then be removed.




## CD changer mode (optional)

You must **always** open the "Load & Eject" menu before inserting a CD when using CD-changer mode. The CD slot will otherwise remain blocked.

- ▷ Press the  button.  
The "Load & Eject" menu will appear.


## Loading a single CD

1. Press the  button.
2. Select the empty CD slot to be loaded with a CD.

The message "Please insert CD" will appear.


3. Insert the CD into the CD slot with the printed side upwards, pushing as far as necessary for the automatic loading mechanism to engage.

## Ejecting a single CD

1. Press the  button.
2. Select the CD slot from which the CD is to be ejected.
3. Remove the CD.

## Loading multiple CDs


If all the CD trays are empty, you can insert several CDs one after the other.

1. Press and hold the  button.
2. Insert the CDs one after another into the CD slot with the printed side facing upwards.

The last CD to be loaded will be read and played back.

## Ejecting all CDs

All CDs loaded in the CDR-31 can be ejected one after the other in a single operation.

1. Press and hold the  button.
2. Remove the CDs one after another.



## Selecting CDs

In the display you will see the name of the CD (Audio CDs with CD text) or the filename (MP3 CD) of the CD that is currently playing. Below this display you will see the number of the track (e.g. 11) and the name of the track (Audio CDs with CD text) or the filename (MP3 CD).

1. Select "Disc selection".

The CD list will be displayed.

2. Select the desired CD.

The selected CD will be loaded and played back.


## Playback functions

### Playback

CD playback will start automatically as soon as CD mode is selected.

### Stopping playback

- ▷ Briefly press the left knob.


Playback will be stopped. The MUTE symbol  will be shown in the status bar on the display.

### Continue playback

- ▷ Briefly press the left knob.

### Next/previous track

#### Play next track

- ▷ Briefly press the  button.

#### Restart track


- ▷ Briefly press the  button.

#### Play previous track


- ▷ Briefly press the  button twice.

### Fast-forward/rewind

#### Fast-forward

- ▷ Press and hold the  button until the desired position is reached.

#### Rewind

- ▷ Press and hold the  button until the desired position is reached.

### Scan

The "Scan" function can be used to play the first few seconds of each track on a CD. For MP3 CDs, all tracks in all folders will be scanned.

#### Start scan

- ▷ Select "Start scan".

#### End scan

- ▷ Select "Stop scan".

### Shuffle mode

When Shuffle mode is selected, the tracks will be played back one after another in random order. Tracks will only be played again after they have all been played once. When the CD changer is used, only the tracks on the selected CD will be played; the system will not swap to another CD in the changer.

### Switching Shuffle ON/OFF

- ▷ Select "Shuffle".

Shuffle mode will be switched ON  or OFF .

### Repeating a track

The Repeat function allows a single track to be repeated. The track will be repeated until the function is deactivated.

### Repeat ON/OFF

- ▷ Select "Repeat".

Repeat mode will be switched ON  or OFF .



## Track list

The Track list displays the tracks on a CD. This allows a specific track to be selected from the list, or the folders of an MP3 CD to be navigated.



### Note

For MP3 CDs, the file and folder names will be displayed. The tracks on audio CDs will only be displayed if this information is on the CD (CD Text).

## Displaying the track list

- ▷ Select "Track list".
- ▷ The track list will be displayed.

### Track list symbols

-  Switch to parent folder (MP3 CD)
-  Switch to subfolder (MP3 CD)

## Selecting a track

- ▷ Select the desired track from the list.

### Note

Track numbers will be displayed if no track names are stored on the CD.

## Exiting the track list

- ▷ Press the  button.

## AUX (optional)

Depending on the equipment fitted in the vehicle, a 3.5mm stereo jack socket may be located in the storage compartment in the centre tunnel. This can be used to connect an external sound source.

### NOTE

**Using the headphone output can lead to undesirably high volumes.**

Headphone outputs from external sound sources have a very low volume level. If the CDR-31 is therefore set to a very high volume to compensate, this may lead to unintentionally loud volume if another sound source is activated, or if a traffic announcement is broadcast.

- ▷ Therefore, the LINE-OUT output on the external source should be used instead of using the headphone output, as this will ensure an appropriate volume level.

If the device does not have a LINE-OUT output:

1. Switch off Traffic Announcements.
  2. Switch off the mobile telephone system.
  3. Reduce the volume on the CDR-31 before activating another sound source.
- 



## Connecting external sources

If applicable, refer to the instruction manual for the external sound source on how to connect the sound source.

1. Press the **CD AUX** button repeatedly until AUX mode is activated.
2. Set the CDR-31 volume to the minimum setting.
3. Connect the external sound source using the AUX socket.
4. Set the volume on the external sound source to a medium level.
5. Start playback on the external sound source.
6. Carefully adjust the volume of the CDR-31 in small steps until the desired volume is reached. If necessary, increase the volume on the external sound source.



## Telephone mode (optional)

### WARNING

**Operating the telephone whilst driving can distract your attention from the traffic conditions. You could cause an accident resulting in injury to yourself and others.**

- ▷ Always follow the traffic regulations of the country you are in when using mobile communication devices whilst driving.
- ▷ Where the use of communications devices whilst driving is permitted, these should only be operated when traffic conditions are appropriate.

---

## Bluetooth®

Bluetooth® is a standard for wireless transmission of data over short distances using radio signals. The CDR-31 provides two Bluetooth® functions that can be used in conjunction with your mobile telephone:

- Handsfree unit
- Receipt of electronic business cards (vCards) for storage in the CDR-31 phonebook

## Mobile telephone requirements

Not all mobile telephones are equally well suited for use with the Bluetooth® CDR-31 interface.

- The mobile telephone must be Bluetooth® enabled.
- The mobile telephone must support Handsfree Profile 1.0 or higher.
- The mobile telephone must be switched on.
- Bluetooth® must be activated.
- With some mobile telephones, it is also necessary to make the telephone "visible" to other Bluetooth® devices.
- Every device that supports Bluetooth® has a corresponding device name. It is advisable to assign a personalised name to the mobile telephone so that it can be easily recognised.

Please refer to the mobile telephone instruction manual for further information on the settings available and how to use them.

### Note

Some mobile telephones may behave differently when using Bluetooth® or may not support Bluetooth® fully. A list of compatible mobile telephones can be found online at <http://www.porsche.com>. Please consult your mobile telephone dealer and, if necessary, ensure that you have the latest software loaded on your handset.

Please refer to Section "TROUBLESHOOTING" on page 42.

Please contact your Porsche Partner if you experience recurrent problems with your mobile telephone.

## Handsfree sound quality

The sound quality of the handsfree unit may be affected by the following:

- Blower fans or open windows
- Wind and road noise
- Poor mobile telephone connection to the network
- High speed

## Interruptions to calls whilst driving

Interruptions to calls may occur whilst driving in the following situations:

- There is insufficient GSM network coverage in a particular area
- The vehicle moves from the area covered by one GSM transmitter/receiver station (GSM cell) to another where there is no voice channel available
- A SIM card is used that is not compatible with the available networks
- The mobile telephone is used with one of two SIM cards with the same mobile telephone number, and the second SIM card is logged onto the network at the same time.



## Switching on telephone mode

▷ Press the **PHONE** button.

If *Bluetooth*<sup>®</sup> is deactivated then *Bluetooth*<sup>®</sup> must first be switched on (> Page 39).

## Connecting a mobile telephone

### Authorising a mobile telephone

Each mobile telephone must be authorised the first time it is connected with the CDR-31. This involves entering the same *Bluetooth*<sup>®</sup> code in both devices to prevent unauthorised access to the CDR-31.

Up to three mobile telephones can be authorised for use with the CDR-31. Once authorised, a mobile telephone can be connected to the CDR-31 in order to make use of the telephone functions that it provides.



1. Activating *Bluetooth*<sup>®</sup> on your mobile telephone. If necessary, make the mobile telephone visible to other devices.
2. Press the **PHONE** button.
3. Select "**Find telephone**".

The CDR-31 will search for devices that support the *Bluetooth*<sup>®</sup> handsfree profile and will display a maximum of 15 devices found in the device list.

4. Select the desired mobile phone from the list.



5. The CDR-31 will suggest a four-digit *Bluetooth*<sup>®</sup> code ("4789" in this example). If applicable enter a user-defined code.
  6. Select "**Ok**".
  7. Enter the *Bluetooth*<sup>®</sup> code in the mobile telephone and confirm. Follow the prompts displayed on the mobile telephone.
- The mobile telephone is now authorised and will be connected to the CDR-31. The following items will be seen on the display if the authorisation was successful:



### Note

If the CDR-31 display shows the message "Error during authorisation process" then the process may have timed out or a different code may have been entered in the mobile telephone. Repeat the procedure in this case.

If the authorisation still fails, then external authorisation should be used. Please refer to Section "EXTERNAL AUTHORISATION" on page 33.

### Symbols in the status bar (symbols seen depend on the mobile telephone used)

	Mobile telephone connected (signal strength displayed)
	Mobile telephone connected (signal strength not displayed)
	No mobile telephone connected

## Connecting an authorised mobile telephone

The CDR-31 will detect when a previously authorised mobile telephone is in range and will send a connection request to the mobile telephone. If several authorised mobile telephones are in range, then the CDR-31 will connect with the most recently connected mobile telephone. If it is not possible to connect to this mobile telephone, then the previously connected mobile telephone will be searched for.

- ▷ Accept the connection request on the mobile telephone. Follow the prompts displayed on the mobile telephone (refer to the instruction manual for the mobile telephone).

### Note

With certain mobile phones the connection request has to be confirmed by the CDR-31 on the mobile telephone. This may even have to be done several times, e.g. before transferring the phonebook. To avoid these prompts you can authorise the CDR-31 in the device list on your mobile phone. On your next attempts the connection will be established automatically without query. Please refer to the mobile telephone instruction manual for further information.

## External authorisation

If the CDR-31 cannot find your mobile telephone, or the authorisation process repeatedly fails when initiated by the CDR-31, then the authorisation can be initiated from the mobile telephone.

1. If another mobile telephone is connected to the CDR-31, switch off *Bluetooth*<sup>®</sup> on the other mobile telephone in order to close the connection with the CDR-31.
2. Press the **PHONE** button.
3. Press the **OPTION** button or tap "OPTION" on the touchscreen.
4. Select "Device list".

The CDR-31 is now visible to external devices.

5. Use the mobile telephone to search for devices that support *Bluetooth*<sup>®</sup> (refer to the instruction manual for the mobile telephone).
6. Send a connection request from the mobile telephone (refer to the instruction manual for the mobile telephone).
7. Enter any *Bluetooth*<sup>®</sup> code on the mobile telephone (e.g. "1234") and confirm.

A connection request will appear on the CDR-31.

8. Select "Yes" to accept the connection request.

9. Enter the *Bluetooth*<sup>®</sup> code in the CDR-31 and confirm with "Ok".

The CDR-31 should connect automatically to the mobile telephone.

### Note

- With some mobile telephones, the connection to the CDR-31 must then be established from the mobile telephone. Please refer to the mobile telephone instruction manual for further information.
- Carry out the authorisation process again if the mobile telephone cannot be connected. In this case enter the *Bluetooth*<sup>®</sup> code in the CDR-31 first.

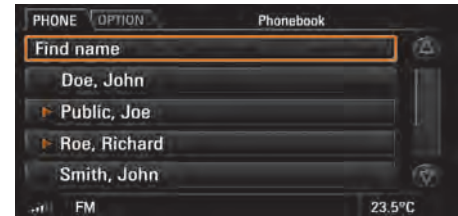


## Telephone calls

### Making a call

#### Entering a number directly

1. Select "Dial number".
2. Enter the desired number one digit at a time. Tap the ↵ on the touchscreen to delete single digits. Press and hold ↵ to delete the entire entry.
3. Select "Call number" or press the 📞 button to dial.



### Dialling a number from the phonebook

1. Select "Phonebook".  
Entries with the symbol ► contain more than one telephone number. Select the entry to display all of the telephone numbers.
2. Select the desired entry or a telephone number from the list.  
The details will be displayed (> Page 37).
3. Select "Call number".

## Dialling a number from the Call lists



The CDR-31 displays the calls made and received using the CDR-31. If supported by the mobile phone, both these call lists are transferred from the mobile phone to the CDR-31 when the system is started.

### Note


The CDR-31 stores separate Call lists for every authorised mobile telephone.

1. Select "Previous calls" or "Received calls".
2. Select the desired contact from the list.

### Call list symbols

	Incoming call, accepted
	Missed call
no symbol	Dialled number

### Note

- You can also access the "Previous calls" list using the  button. When the call list is empty, the CDR-31 shows the display for direct entry of the phone number.
- Only the calls that were initiated or received by the CDR-31 are stored.

## Deleting entries from the Call lists

If the call lists are not synchronised with your mobile phone, you can delete individual entries from the "Incoming calls" or "Previous calls" lists. The entry will not be deleted from the phonebook if it has been stored there.

1. Press the PHONE button.
2. Select "Previous calls" or "Received calls".
3. Select the desired contact from the list.
4. Select "Delete".



## Calls in

When a call is received by the CDR-31 a ring tone will be heard and a message will appear on the display. Depending on the type of mobile telephone used, the ring tone heard may differ from the one set on the mobile telephone.

The caller's name and number will be displayed if these are stored in the phonebook and the caller has allowed their telephone number to be visible. Otherwise, you will only see the telephone number or "Unknown caller".

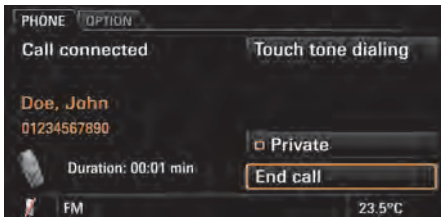
It is possible to accept calls regardless of operating mode. The relevant audio source will be put on mute during the call.

### Accepting a call

- ▷ Press the  button or select "Answer".

### Rejecting a call

- ▷ Press the  button or select "Reject".



## Continuing a call on the mobile telephone ("Private Mode")

1. Select "Private" during a call.

This will either transfer the call to the mobile telephone  or reconnect a call to the CDR-31.

## Functions available during a call

### Adjusting the volume

The left control dial can be used to adjust the volume of the other person's voice during a conversation.

### Sending DTMF tones

Some answering machines and other devices can be controlled using DTMF tones e. g. for remote request functions.

- ▷ Select "Touchtone dialling" whilst a connection is active.
- ▷ Select the desired number.

Each character is sent immediately.

### Accepting another call

It is possible to accept another incoming call during a conversation. This will cause the first call to be terminated.






## Phonebook

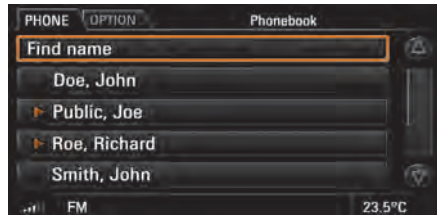
Once a *Bluetooth*<sup>®</sup> connection has been established, the CDR-31 attempts to transfer the phonebook from the mobile phone. Not all mobile telephones support this feature. Up to 600 entries can be transferred.

If the mobile telephone does not support the automatic transfer of the phonebook, the CDR-31 allows you to create a dedicated phonebook for each authorised mobile phone. The respective phonebook can then only be used when the CDR-31 is connected to that mobile telephone.

The CDR-31 can store a maximum of 100 entries in each phonebook, which can be added by sending electronic business cards (vCards) from the mobile telephone to the CDR-31. Please refer to Section "RECEIVING ELECTRONIC BUSINESS CARDS (VCARDS)" on page 40.

### Phonebook symbols

	Details available
	Home
	Office
	Mobile telephone
	Pager

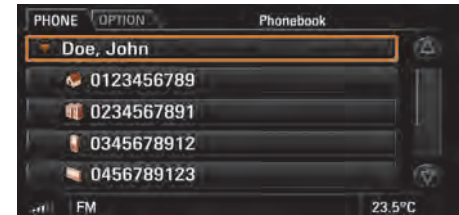


### Displaying phonebook

The CDR-31 must be connected to a mobile telephone before the phonebook can be displayed.

1. Press the **PHONE** button.
2. Select "**Phonebook**".

The phonebook will appear. Entries in the list will either be sorted by number or alphabetically by name.



Entries that are marked with the ► symbol have additional details that can be displayed.

- ▷ Select an entry with the ► symbol from the list.

### Searching for a contact in the phonebook


The search function is only available if the phonebook contains more than five entries.

1. Press the **PHONE** button.
2. Select "**Phonebook**".
3. Select "**Find name**" (top entry).



4. Select the first letters of the name you wish to search for.

The CDR-31 will only display those letters for which there is a corresponding entry in the phonebook. The CDR-31 will select the entry automatically as soon as there is a unique match.

5. Select "Dial number" to call the displayed number.
6. Press the  button to begin the call.

### Further options for phonebook

Further options are available for the individual entries in the phonebook.

- ▷ Select an entry from the phonebook.



### Dialling a number

- ▷ Select "Dial number" to call the displayed number.

### Deleting an entry

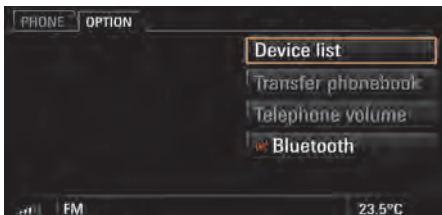
It is not possible to delete entries if the phonebook has been automatically transferred from the mobile phone.

1. Select "Delete" to delete the entry.
2. At the prompt, confirm with "Yes" or cancel with "No".

### Deleting all entries

1. Press "Delete all" to delete all entries in the phonebook.
2. At the prompt, confirm with "Yes" or cancel with "No".



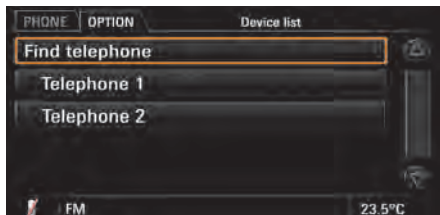


## Extended telephone functions

### Switching *Bluetooth*® ON and OFF

1. Press the PHONE button.
2. Press the OPTION button or select "OPTION".
3. Select "Bluetooth".

*Bluetooth*® is now switched ON  or OFF .






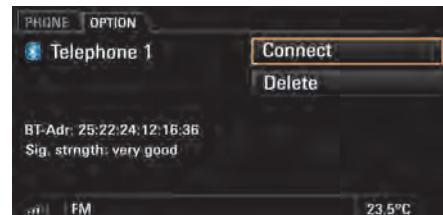
### Device list

1. Press the PHONE button.
2. Press the OPTION button or select "OPTION".
3. Select "Device list".

A list of authorised mobile telephones will be displayed as soon as the Device list is opened. Mobile telephones that have not been authorised will only be displayed if you activate the "Find telephone" function (top entry).

#### Device list symbols

	Authorised and connected
	Authorised and in range
	Authorised and not in range



Further options are available for each mobile telephone in the Device list.

- ▷ Select a mobile phone from the device list.

### Deleting a mobile telephone

1. Select "Delete".

### Connecting a mobile telephone

- ▷ Select "Connect" or select and hold the desired mobile telephone in the list on the touch-screen.

The CDR-31 will automatically connect to the selected mobile telephone, provided that it is in range.



## Volume settings

The microphone and loudspeaker settings are factory set, and do not usually need changing. It may be necessary to change the settings when using certain mobile telephones in the following situations:

- If the person you are talking to cannot hear you loudly enough (increase value for "Mic volume").
- The person you are speaking to hears his voice echoing (decrease the CDR-31 volume or decrease the "Mic volume" value).
- The handsfree unit produces a distorted sound (decrease the "Call volume" value).

## Recommendation

Only ever increase or decrease one of the two values at a time, and only by one level.

1. Press the **PHONE** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.

## Adjusting the microphone volume

1. Select "Mic volume".
2. Adjust to the desired value.

## Adjusting the speaker volume

1. Select "Call volume".
2. Adjust to the desired value.



## Receiving electronic business cards (vCards)

If supported by your mobile phone, the phonebook and the call lists will be automatically transferred to the CDR-31. (> Page 37) In this case the "Transfer phonebook" function described below will not be available.

The CDR-31 must be connected to a mobile telephone in order to receive electronic business cards (vCards).

1. Press the **PHONE** button.
2. Press the **OPTION** button or tap "OPTION" on the touchscreen.

3. Select "Transfer phonebook".

The *Bluetooth*<sup>®</sup> connection to the mobile telephone will be suspended and the CDR-31 is ready to receive business cards. No telephone calls can be received during this time.

4. Use the mobile telephone to send one or more electronic business cards from the mobile telephone's contacts list to the CDR-31. The procedure depends on the type of mobile telephone. Please refer to the mobile telephone instruction manual for further information.

The CDR-31 will indicate the number of electronic business cards received.

5. When the transfer is complete or you wish to cancel the transfer, select "Stop".

The transferred vCards can be used. Please refer to Section "PHONEBOOK" on page 37.

# Troubleshooting

Problem	Cause	Solution
The CDR-31 switches to a different program from the same broadcaster whilst driving.	Some broadcasters transmit programs where the content varies according to the region (referred to as regional programming).	▷ Switch on the Regional function. Please refer to Section "SWITCHING ON THE REGIONAL FUNCTION" on page 21.
It is not possible to connect a mobile telephone.	Bluetooth® is not activated on the mobile telephone.	▷ Activate Bluetooth® on the mobile telephone (refer to the instruction manual for the mobile telephone for further information).
The CDR-31 cannot find the mobile telephone.	The mobile telephone is not visible to other Bluetooth devices.	▷ Activate visibility for Bluetooth devices on the mobile telephone (refer to the instruction manual for the mobile telephone for further information).
It is not possible to continue a call using the mobile telephone directly ("Private Mode") because the CDR-31 retrieves the call after a short time.	The mobile telephone does not support "Private Mode" correctly.	<ol style="list-style-type: none"> <li>1. Select "Private".</li> <li>2. Switch off the CDR-31 as soon as the call has been transferred to the mobile telephone.</li> </ol>
The phone number is displayed instead of the name (e.g. incoming call), even though the phone number is stored in the phonebook.	The phonebook entry for the phone number does not include the country calling code (e.g. "+49"). Phone numbers are generally transferred with the country calling code.	▷ Save all phone numbers in the phonebook with the country calling code included.
A previously authorised mobile telephone can no longer be connected.		<ol style="list-style-type: none"> <li>1. The mobile telephone has a list of coupled devices. The CDR-31 is also included in this list. Delete the entry for the CDR-31 from this list (refer to the instruction manual for the mobile telephone).</li> <li>2. Delete the authorisation for the CDR-31. Please refer to Section "DELETING A MOBILE TELEPHONE" on page 39.</li> <li>3. Reauthorize the mobile telephone. Please refer to Section "AUTHORISING A MOBILE TELEPHONE" on page 32.</li> </ol>
The person you are speaking to only hears you very quietly.	The microphone setting for the handsfree unit is not sensitive enough.	▷ Increase the output (microphone) level. Please refer to Section "ADJUSTING THE MICROPHONE VOLUME" on page 40.

Problem	Cause	Solution
The person you are speaking to can hear an echo of his voice.	The CDR-31 volume is too high or the microphone setting for the handsfree unit is too sensitive.	<ul style="list-style-type: none"> <li data-bbox="890 95 1503 159">▷ Decrease the volume of the CDR-31 or</li> <li data-bbox="890 171 1503 254">▷ Decrease the output (microphone) level. Please refer to Section "ADJUSTING THE MICROPHONE VOLUME" on page 40.</li> </ul>
The handsfree unit produces a distorted sound.	The volume for the handsfree unit is too high.	<ul style="list-style-type: none"> <li data-bbox="890 265 1503 339">▷ Reduce the volume set for the input (loudspeaker). Please refer to Section "ADJUSTING THE SPEAKER VOLUME" on page 40.</li> </ul>

Please contact your Porsche Partner if you experience recurrent problems with your mobile telephone.

# Index

- A**
  - AM mode ..... 22
  - Authorisation
    - External ..... 34
    - Mobile telephone ..... 32
  - AUX ..... 30
- B**
  - Balance ..... 12
  - Bass ..... 11
  - Best FM ..... 20
  - Bluetooth
    - Authorising mobile telephones ..... 32
    - General information ..... 31
    - Requirements ..... 31
- C**
  - Call
    - Accepting ..... 36
    - Lists ..... 35
    - Rejecting ..... 36
  - Call lists ..... 35
  - Call waiting ..... 36
  - Calling ..... 34
  - Calls in ..... 36
  - Calls out ..... 35
  - CAR ..... 15
  - CD
    - Changer ..... 26
    - Ejecting ..... 27
    - Fast-forward/rewind ..... 28
    - Mode ..... 26
    - Next/previous track ..... 28
    - Pause ..... 28
    - Repeat ..... 28
    - Repeat track ..... 28
    - Scan ..... 28
    - Scan function ..... 28
    - Shuffle mode ..... 28
    - Start ..... 28
    - Track list ..... 29
  - Connecting
    - External source (AUX) ..... 30
    - Mobile telephone ..... 32
  - Controls ..... 5
- D**
  - Deleting
    - Entries (phonebook) ..... 38
    - Entry (Call lists) ..... 35
    - Mobile telephone ..... 39
  - Device list ..... 39
    - Symbols ..... 39
  - Display ..... 4
    - List view ..... 9
  - DTMF tones ..... 36
- E**
  - External authorisation ..... 34
  - External source (AUX) ..... 30
- F**
  - Factory settings ..... 17
  - Fader ..... 12
  - Fast-forward/rewind ..... 28
  - FM Mode ..... 19
  - FM mode ..... 19
- I**
  - In-call functions ..... 36
  - Info ..... 18
- L**
  - Language ..... 17
  - List
    - Calls ..... 35
    - Devices ..... 39
    - Station ..... 19
  - Loudness ..... 12
- M**
  - Main menu ..... 8
  - Making calls ..... 34
  - Memory level ..... 19, 23
  - Memory location ..... 19, 23
  - Mobile telephone
    - Authorisation ..... 32
    - Connecting ..... 32
    - External authorisation ..... 34
  - Mobile telephones
    - Connecting ..... 33
  - Mode
    - FM ..... 19
    - Radio ..... 19
  - MP3
    - Folder ..... 29
    - Scan ..... 28
    - Scan function ..... 28
    - Track list ..... 29
  - MUTE ..... 11
- N**
  - Notes
    - Telephone mode ..... 31

## O

Operating mode	
AM	22
AUX (optional)	30
CD	26
FM	19
Telephone	31

### Overview

Controls	5
Display	4
User interface	4
Using the menus	8

## P

ParkAssistant	15
Pause (CD)	28
PHONE	31
Phonebook	37
Options	38
Phonebook	37
Playback	
Continuing (CD)	28
Functions	28
Stopping (CD)	28
Private mode	36
Protective circuits	3

## R

Radio	19
AM mode	22
Best FM	20
Best station	20
FM mode	19
Retrieving a station	20, 24
Station list	19
Station sort	21
Storing a station manually	19, 23
TP	22
Traffic announcement	22
Radio Data System (RDS)	21
Radio text	21
RDS	21
Redial	35
Repeat (CD)	28
Repeat track (CD)	28
Reset (factory settings)	17

## S

Scan	28
Scan function	28
SDVC	13
Settings	
Balance	12
Bass	11
CAR	15
CD playback	28
Fader	12
Loudness	12
SDVC	13
System settings	15
Traffic Announcement volume	13
Treble	12
Shuffle mode (CD)	28
Silent (MUTE)	11
Sort	21
Sound off (MUTE)	11
Sound settings	
Balance	12
Bass	11
Fader	12
Loudness	12
Traffic Announcement volume	13
Treble	12
Speed Dependent Volume Control (SDVC)	13
Start (CD)	28
Station	
List	19
Retrieving	20, 24
Search	19
Sort	21
Storing	19, 23
Station memory	19, 23
Stop (CD)	28
Submenu	8
Switching OFF	11

### Switching ON

AM mode	22
CDR-31	11
FM mode	19
Radio text	21
RDS function	21
Regional function	21
Telephone mode	32
Traffic Announcement	22

### Symbols

Device list	39
Quick dial	35
Telephone mode	33
Track list	29
Traffic announcement	22

### System settings

Factory settings	17
Language	17

### System version

18

## T

Telephone mode	31
Advanced telephone functions	39
Call waiting	36
Calling	34
Device list	39
DTMF tones	36
Making calls	34
Switching ON	32
Theft protection	3

### Tips

CD mode	25
Compact Disc (CD)	25
Operating the CDR-31	3

### TP

Track list	22
------------	----

### Traffic Announcement

Setting the volume	13
Symbols	22

### Traffic announcement

Switching ON	22
--------------	----

### Treble

12

## U

User interface	4
Using the menus	8

## V

vCards .....	40
Volume	
In-call .....	36
SDVC (Speed Dependent Volume Control) .....	13
Sound sources .....	11
Telephone .....	40
Traffic Announcement .....	13
Volume settings	
SDVC .....	13



# Appendix

## CE 0682

### Declaration of Conformity (DoC)

Hereby, Panasonic Automotive Systems Europe GmbH declares that this car radio system is in compliance with the essential requirements and other provisions of the directive 1999/5/EC

Hint: The declaration of conformity may be consulted at [www.doc.panasonic.de](http://www.doc.panasonic.de)

This equipment may be operated in the EC and EFTA countries.

### FCC declaration

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.


### NOTICE:

Changes or modifications made to this equipment not expressly approved by Panasonic Automotive Systems Europe GmbH may void the FCC authorization to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

<b>TCB</b>	<b>GRANT OF EQUIPMENT AUTHORIZATION</b>	<b>TCB</b>			
Certification Issued Under the Authority of the Federal Communications Commission By:					
CETECOM ICT Services GmbH Untermarktlinde Strasse 9-10 D-68117 Saarbrücken, Germany		Date of Grant: 01/21/2009 Application Date: 01/21/2009			
Panasonic Automotive Systems Europe GmbH Rohren-Busch Str. 27-29 63225 Langen, Germany					
Attention: Dai Kimura					
<b>NOT TRANSFERABLE</b>					
<small>EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified herein for use under the Commission's Rules and Regulations listed below.</small>					
<b>FCC IDENTIFIER: WJ0-CDR31</b>					
Name of Grantee: <b>Panasonic Automotive Systems Europe GmbH</b>					
Equipment Class: <b>Part 15 Spread Spectrum Transmitter</b>					
Notes: <b>Car Radio System with BT</b>					
<b>Grant Notes</b>	<b>FCC Rule Parts</b>	<b>Range (MHz)</b>	<b>Power</b>	<b>Output Frequency</b>	<b>Emission Designator</b>
	15C	2402.0 - 2480.0	0.0014		
Output Power listed is conducted.					
					



The Bluetooth word mark and logo are registered of Bluetooth SIG, INC.  
QD ID: B013195



0321-09-5179



(01) 07898915959932

Complies with  
IDA Standards  
N0241-09



經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電流輻射性電機設備之干擾。

■ 備註

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率，加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信，經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指一電信法規定作業之無線電通信。低功率射頻電機應忍受合法通信或工業、科學及醫療用電流輻射性電機設備之干擾。

해당 무선설비는 전파환경신 가용성이 있으므로 인명  
안전과 관련된 서비스는 받을 수 없습니다

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.



Ovlašten(a) od Vijeća Hrvatske agencije za telekomunikacije sukladno članku 35. Zakona o telekomunikacijama za ocjenjivanje sukladnosti električnih i drugih tehničkih proizvoda sa zahtjevima elektromagnetske kompatibilnosti (EMC) po Rješenju: Klasa: UPI-I-344-01/06-01/119, Ur. Broj: 376-06-02-03, od datuma: 23.02.2006.g.

POTVRDA O SUKLADNOSTI  
CERTIFICATE OF CONFORMITY

Broj: 0907036  
No.

Opis proizvoda: Product description:	AUDIO SUSTAV ZA VOZILO "Panasonic"
Tipiska oznaka, model: Type Designation, Model:	CDR31 1CD, CDR31 6CD
Podnositelj zahtjeva: Applicant:	Panasonic South-East Europe Ltd.
Proizvođač: Manufacturer:	Panasonic Corporation
Vrednovana dokumentacija: Evaluated Documentation:	EN 55013:2001+A1:2003+A2:2005 EN 55020:2002+A1:2003+A2:2005
Broj ispitnog izvještaja: Test Report No.	4-3012-01-03/08
Izdao od: Issued by:	DETECOM ICT Services Ombit
Na temelju gore navedene dokumentacije utvrđeno je da gore navedeni proizvod udovoljava zahtjevima Pravilnika o elektromagnetskoj kompatibilnosti-EMC (Narodne Novine br. 112/2008). On the basis of the above mentioned documentation it is found that above mentioned product fulfills the requirements of the Regulation of electromagnetic compatibility-EMC (Official Gazette No. 112/2008). Navedene propisane u specifikaciji: ispravnošću ispunjenosti, uzimajući u obzir sve značajke proizvoda koje utječu na elektromagnetsku kompatibilnost uređaja moraju se provesti uvažavajući prvenstvo sigurne na odobrenje. Any omissions occur in the specification, applicable components or the design technical specification which may influence on EMC of the product, shall be forward to certification body.	

Zagreb, 12.02.2009  
Mjesto i datum  
Place and Date



Dalibor Šoljan dipl.ing  
Zig i potpis  
Seal and Sign



