

1 Contents

1	Contents.....	1
2	Intended use	3
3	Preliminary notes	4
4	Copyright.....	4
5	Manufacturer's information.....	4
6	Important safety information.....	5
6.1	Notes on operation/connection	6
6.2	General information	7
6.3	Additional information	7
6.4	Children	8
6.5	Persons with disabilities.....	8
6.6	Storage and transport	8
7	Disposal	9
8	Items supplied	10
9	Installation.....	11
9.1	ISO connection	11
9.2	Installing the device	14
9.3	Removing the device	15
10	Overview of the device.....	16
10.1	Front.....	16
10.2	Front (open).....	17
10.3	Display overview	18
10.4	Removing and attaching the operating panel	19
10.5	Button functions.....	20
10.6	Remote control.....	22
11	Basic functions.....	23
11.1	The ON/OFF/MUTE button.....	23
11.2	Volume control	23
11.3	Select button for settings (SEL).....	23
11.4	AS/PS button (Auto Store/Preset Scan).....	25
11.5	DISP button (Display information)	27

CRB-631 - Contents

11.6	Loading and ejecting a CD	27
11.7	Restoring the factory settings	28
12	SD card slot and USB socket	29
12.1	USB socket and iPOD® support	29
12.2	SD card slot	30
12.3	Record function	30
13	Bluetooth function	32
13.1	Pairing the devices	32
13.2	Telephone functions (Bluetooth menu)	34
14	Care and maintenance	36
15	Troubleshooting	37
16	Technical data	39
17	Warranty information	40
18	Declaration of Conformity	41
19	Glossary	42
20	Index	44

2 Intended use

The car radio is an audio device for playing and listening to music (e.g. CD or radio) and features an additional Bluetooth function. This Bluetooth function can be used to connect your mobile phone to the car radio to make and receive calls. The SilverCrest CRB-631 is designed exclusively for private, non-commercial use. Follow the installation instructions in this guide and in the manual of your vehicle. The car radio was only designed for use in a motor vehicle.

Any other use is contrary to its intended purpose. The manufacturer does not assume any liability for improper use of the device. Unauthorised modifications or changes not described in this user guide are not permitted.

3 Preliminary notes

Thank you for selecting our Bluetooth car radio SilverCrest CRB-631. In order for you to use this device and all its features to their full advantage, we recommend that you read the instructions in this guide before using it for the first time, even if you are familiar with handling electronic devices. Please pay particular attention to the chapter **Important safety information**. Store this guide in a safe place for future reference. If you sell or transfer this device, always include this user guide.

We recommend keeping this guide in the glove compartment of your car. It is the most important reference for handling the device.

For all product descriptions and user instructions, the German version is the ultimately valid reference in the event of possible deviations in other languages.

The device should preferably be installed by an experienced person. Inexperienced persons should consult an expert.

4 Copyright

The contents of this guide may not be reproduced, copied or otherwise duplicated in electronic, mechanical, magnetic, optical, chemical, manual, or any other form without the permission of our company, nor may they be stored in a search engine or translated into another language.

5 Manufacturer's information

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www.mysilvercrest.de

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6 Important safety information



Please read and strictly observe the following instructions!

This user guide occasionally contains special highlighted notes. These vary as follows:

Note:

Notes contain special information on economical use

⚠ Caution!!

Notes marked with the word **CAUTION** or the symbol ⚠ draw your attention to potential damage to equipment or the environment.

- The device contains an integrated class 1 laser (CD drive). This is installed at an inaccessible location in the device and does not constitute a health hazard.
- Do not take the car radio apart, make any modifications or attempt to repair it yourself.
- Never open the case of the car radio; it does not contain any serviceable parts! If the case is open, there is a risk of fatality due to electric shock.
- The car radio and the accompanying components should never be exposed to dripping or splashing water. Make sure that no containers filled with liquid, such as bottles or cups, are placed in the vicinity of the device.
- Make sure that the display is not subjected to any knocks. These could damage the display.
- Make sure you are familiar with the different functions of your device before you start driving. Excessively high volumes can pose a risk for you and other road users. Therefore always set the volume to a level at which ambient noises (horns, sirens etc) can still be heard.
- Multimedia CDs also include data files in addition to audio files. If you play such a CD in spite of the warnings, loud noises can occur at a volume level which can constitute a traffic hazard. In addition, power amplifiers and speakers can also be damaged as a result.
- Do not use the car radio at an excessively high volume. This can damage your hearing.
- Only make any adjustments to the settings when your vehicle is parked. Your concentration might otherwise be negatively affected by the changes.

**CLASS 1
LASER PRODUCT**

6.1 Notes on operation/connection

- Only connect the device to a 12V battery; the negative pole must be connected to ground.
- Do not switch on the radio for long periods of time if the vehicle engine is not running. It has a comparatively high power consumption and can drain the battery to such a low level that the engine cannot be started. Such a low charge also has a negative effect on the life of the battery.
- If you do not have sufficient knowledge to install the radio yourself, consult an expert. Please note that any resulting costs will not be borne by JNC.
- Before you install the device in the 1-DIN slot provided in the dashboard, take a look at the wiring and make sure that all functions are in order.
- Only use the accessories supplied with the device to ensure correct installation. The use of parts which are not approved can cause malfunctions.
- Please consult your car dealer if it is necessary to drill holes or make any other modifications to your vehicle to install the device.
- When installing the radio ensure that it does not impede the driver and cannot injure passengers in the event of an accident.
- This radio is designed for installation in vehicles with a 12V battery and with connection of the negative pole to ground. Before installing the radio in RVs, trucks or buses, always check the battery voltage.
- Before starting installation work, disconnect the battery. This will prevent short circuits.
- When connecting the power amplifier and the other devices, comply with the corresponding instructions in this user guide.
- Secure the electric cables with clamps or adhesive tape. Protect cables laid on bare metal surfaces by wrapping them in adhesive tape.
- Lay and secure all cables so that they do not make contact with moving parts such as the gear shift, hand brake or the rails of the seats.
- Do not lay the cables at places which can become hot (e.g. heater outlets), as there is the risk that the insulation could melt and cause a short circuit on the bodywork of the vehicle.
- Do not route the yellow wire of the battery connection into the engine compartment through a drilled hole, as the insulation could be damaged and cause a dangerous short circuit.
- Do not shorten cables, as this could negatively affect the function of the protection circuit.
- Never tap the power supply by cutting into the insulation of the 12V connection cable and connecting another consumer, as this would exceed the capacity of the cable and cause overheating.
- When replacing a fuse always ensure that it is replaced by a fuse of the same type with the same specified amperage.

Important safety information - CRB-631

- This radio may only be connected to high-performance speakers with a minimum rating of 30 W and impedance ranging from 4 to 8 ohm. If speakers with a different rating or impedance values are connected, the speakers can catch fire, start to smoke or suffer damage.
- When the power of this device is switched on, a control signal is output on the blue wire. Connect this to the remote control connection of the external power amplifier or the control relay of the car antenna (maximum of 300 mA 12 V). If the vehicle is equipped with a screen antenna, this wire is connected to the supply terminal of the antenna amplifier.
- If the system is run with an external power amplifier, the blue wire should never be connected to the supply terminal of the power amplifier. Also never connect the wire to the supply terminal of the automatic antenna. Such a connection can cause considerable power losses and malfunctions.
- To prevent short circuits, all disconnected wires should always be wrapped with insulation tape. In particular the supply cables of speakers which are not in use should always be insulated with tape, as there is the risk of short circuits if the cables are not insulated.

6.2 General information

- Dirt or condensate on the lenses inside the device can prevent playback.
- Never expose the device to direct sunlight, high dust concentrations, high temperatures (above 60 °C) or a high air humidity (higher than 90 %). If the case temperature is too high, cool the interior of the vehicle with the ventilation or air conditioning system.
- Do not switch the device on and off in quick succession. After switching the device off, wait for at least 10 seconds before switching it on again.
- Do not insert scratched, bent or broken CDs into the CD player. Never force a CD into the device if it is not drawn in automatically.

6.3 Additional information

- Playback of CDs which have been burned on a PC with the right format is generally possible. It is, however, possible that the application software, the ambient settings or other factors prevent playback (contact the software vendor for details.)
- CD extra discs can be played back just like audio CDs.
- Tracks recorded on CD-R/CD-RW discs (ID3TAG) and other text information recorded on CD-R/CD-RW discs (ID3TAG) can be played back on this device.
- If you play an CD-RW disc on this device, the time it takes for playback to start is longer than for a conventional CD or a CD-R disc. Before using CD-R/CD-RW discs always read the applicable operating instructions.
- It is possible that not all functions are fully available when using some USB storage devices.

6.4 Children

- Do not give your car radio and especially its accessories to children.
- Never allow children to use electrical devices unsupervised. Children cannot always recognise possible hazards.
- Keep plastic packaging away from children as it poses a suffocation risk.
- Keep the battery of the remote control away from children as it poses a suffocation risk.
- Children should always be supervised to ensure that they do not play with the device.

6.5 Persons with disabilities



- Persons with physical, sensory or mental disabilities are not permitted to use this device without adequate supervision or corresponding instruction and safety training.

6.6 Storage and transport

- Keep the packaging for subsequent transport or sale at a place which is inaccessible to children.
- When storing the device, observe the storage temperature range of -30 °C to +80 °C.
- To transport the device safely, fit the transport screws in the openings provided on the top of the device.

7 Disposal

Bear in mind that this consumer electronic device is subject to the Waste Electrical and Electronic Equipment Directive (WEEE) 2002/96/EC regarding the reduction of electronic waste.

<p>Disposal of the device</p> 	<ul style="list-style-type: none"> ▪ It is therefore not permitted to dispose of this device with normal household waste. ▪ Information and advice regarding the disposal of old devices can be obtained from your local authority, the waste disposal authorities or the retailer from which you purchased this product. ▪ You can dispose of your device free of charge at municipal collection points. ▪ By disposing of old devices correctly you prevent environmental damage and do not endanger your health.
<p>Disposal of the packaging</p>	<ul style="list-style-type: none"> ▪ The packaging for this product consists of 100% environmentally friendly materials that can be disposed of via your local recycling facilities.
<p>Disposal of the battery</p> 	<p>The remote control contains a lithium battery.</p> <ul style="list-style-type: none"> ▪ Information on correct disposal of batteries can be obtained from the competent department of your local municipal authority, the local waste disposal company or the shop in which you bought them. ▪ Batteries should not be disposed of with household waste. Batteries and rechargeable batteries must be returned to retail outlets or disposed of at a municipal collection point.

8 Items supplied

1. Bluetooth car radio



2. Case for the operating panel



3. Installation frame



4. External microphone



5. Installation fittings



6. Remote control (including battery)



7. User guide



Note:

Illustrations are not to scale.

9 Installation

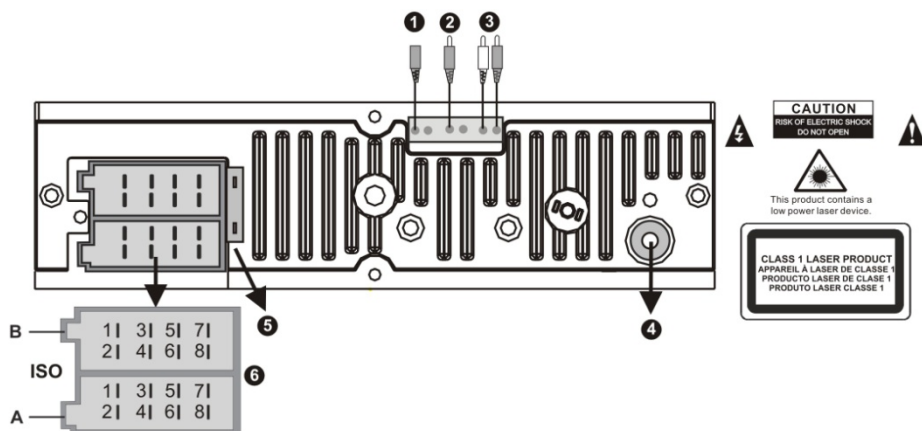
9.1 ISO connection

Power supply

The car radio has a built-in ISO connection and is supplied with the installation brackets. It can be easily fitted into your vehicle. The diagram for the ISO connection with which the majority of vehicles is equipped is shown below. If your vehicle does not have an ISO connection, you can use an ISO adapter with free wires which is available as an accessory to connect the radio. The wires can then be connected as shown below.

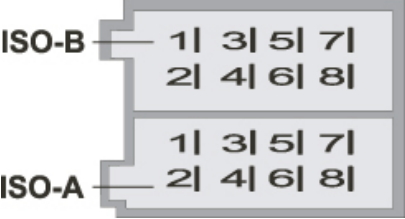
⚠ Caution!!

- Never connect cables to the system as long as it is connected to the battery. Whenever the battery is disconnected, the memory is erased and the factory settings are restored.



1	External microphone socket
2	Subwoofer OUT socket
3	LINE-OUT socket red/white (e.g. for amplifier)
4	Antenna socket
5	Fuse (15A)
6	ISO connections for the power supply (ISO-A) and speakers (ISO-B) (refer to diagram on the next page)

CRB-631 - Installation

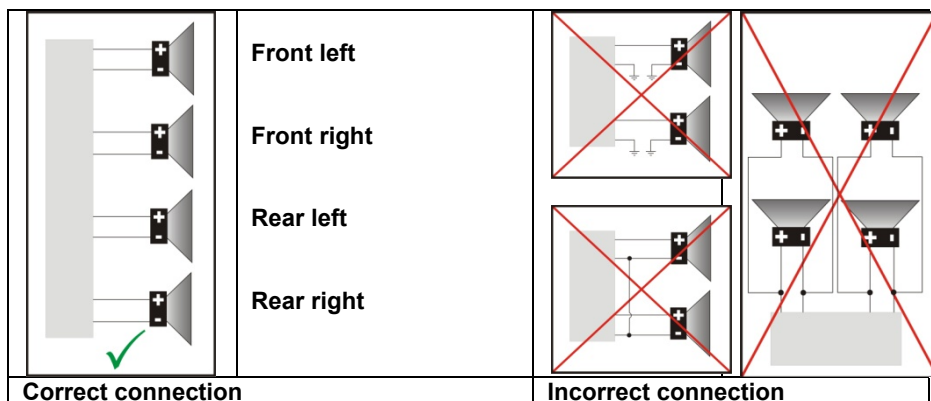
	
ISO-A	ISO-B
A4 Yellow B+ 12 V, direct battery connection.	Front speakers
A5 Blue For the control input of an external amplifier or to the automatic antenna (max. 100 mA / 12 V).	B3 Right + (grey)
	B4 Right – (grey/black)
	B5 Left + (white)
	B6 Left – (white/black)
A6 Orange For dimmer control terminal. (If the headlights are switched on, the display lighting is dimmed)	Rear speakers
	B1 Right + (purple)
	B2 Right – (purple/black)
A7 Red ACC. Connection of the positive pole controlled by the ignition key/switch (12 V).	B7 Left + (green)
	B8 Left – (green/black)
A8 GND (ground) For an effective ground connection to the vehicle	

Note on the assignment of the ISO-A connector

- The diagram shows the most common pin assignment. Several car manufacturers such as VW, Audi, Opel and Vauxhall reverse pins A7 and A4, and the preset channels and other programmed settings are lost when the ignition is switched off. For this reason follow the instructions given in your vehicle manual.

Speakers

Connect the speakers in accordance with the following diagram; incorrect connection can cause damage to your radio or speakers.



⚠ Caution!!

- Only use speakers which are not connected to ground.
- Only use speakers with a minimum rating of 30 W; weaker speakers could be damaged at a high volume.
- Only use speakers with an impedance of 4 ~ 8 Ω (ohm). Speakers with a higher or lower impedance could cause damage to your car radio.
- Do not use speakers with a 3-wire connection and never connect the negative pole of the speaker to the vehicle ground (GND). The car radio CRB-631 is equipped with a BTL circuit (bridging circuit) and each speaker must therefore be connected with insulated wires as shown in the wiring diagram.
- The speaker cables and/or an optional external power amplifier must always be at least 30 cm away from the antenna and/or all antenna extensions.

9.2 Installing the device

If you do not have sufficient knowledge to install the radio yourself, consult an expert. Please note that any resulting costs will not be borne by JNC.

⚠ Caution!!

Always observe the following safety instructions for connection of the device:

- Read the entire installation section before connecting the device.
- Disconnect the negative pole of the vehicle battery for the duration of the installation.
- Observe the vehicle manufacturer's safety instructions during installation.
- The cross-section of the positive and negative cables must not be less than 2.5mm².
- Do **not** connect any of the vehicle's plugs and cables to the radio unless you have the necessary specialised knowledge!
- Depending on the design of your vehicle, installation may deviate from this description.
- JNC does not assume any liability for damage caused by faulty installation or connection or for any resulting damage.
- The device must be fitted in a horizontal position at an angle of less than 30°.
- **Before fitting the radio remove both transport screws on the top of the device (attached with a red information label).**

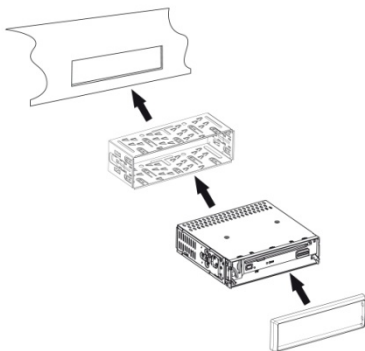


Fig. 1

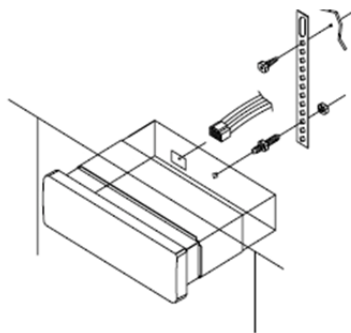


Fig. 2

- 1) Place the installation frame into the 1-DIN installation slot in the dashboard (Fig. 1).
- 2) Bend the securing tabs for fixing the installation frame outwards with a screwdriver.
- 3) Screw the M5 bolt into the corresponding thread on the rear of the car radio.
- 4) Check the electrical connections as described above (either ISO connection or single wires).

- 5) Connect the ISO connectors A and B to the corresponding connections of the radio.
- 6) Push the radio into the installation frame until it clicks into place (Fig. 1).
- 7) Then finish installation by placing the front trim frame onto the front of the car radio (Fig. 1).

Note:

- Only fit the operating panel when the car radio has been fully fitted. The operating panel could otherwise be damaged when you push the car radio into the slot when the panel is already fitted.
- Steps 8 and 9 are only possible when the rear of the radio is accessible inside the dashboard or console.

- 8) Push the assembly rail (perforated metal strip) onto the M5 bolt and secure it with the M5 nut (Fig. 2).
- 9) Secure the other end of the assembly rail to the vehicle bodywork with a Bt5x16 screw (Fig. 2).

9.3 Removing the device

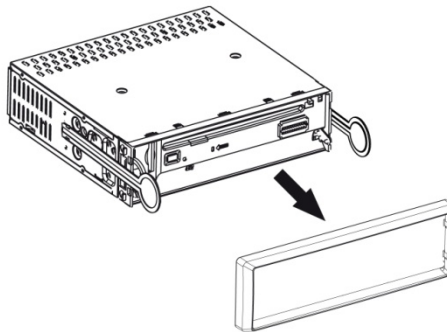
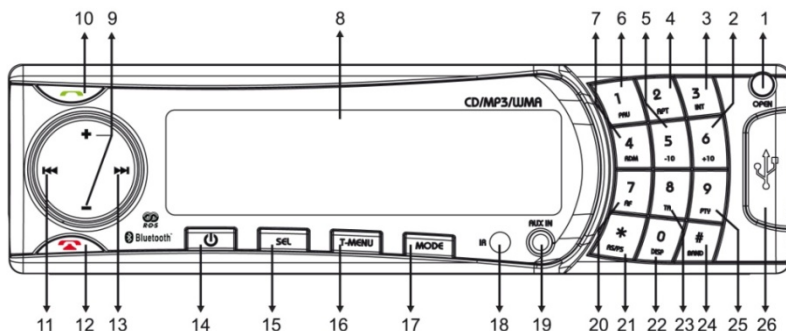


Fig. 3

To remove the device **CAREFULLY** remove the trim frame from the radio (without using force, as the connecting pins could snap). Then insert both removal tools on the left and right of the radio until they engage. Then carefully remove the device from the dashboard.

10 Overview of the device

10.1 Front



- | | |
|---|--|
| 1. Open | 17. Mode (Radio, CD, SD, USB, AUX) |
| 2. Button 6 / Track + 10 | 18. IR receiver |
| 3. Button 3 / Intro | 19. AUX-IN (3.5 mm) |
| 4. Button 2 / Repeat | 20. Button 7 / AF |
| 5. Button 5 / Track - 10 | 21. Telephone button * / AS / PS |
| 6. Button 1 / Pause | 22. Button 0 / Display / REC |
| 7. Button 4 / Random | 23. Button 8 / TA / TP |
| 8. LCD display | 24. Telephone button # / Band button (FM / AM) |
| 9. Volume control + / - | 25. Numeric button 9 / PTY |
| 10. Telephone button: Accept call (Pick-up) | 26. USB connection |
| 11. Previous track / Tune down | |
| 12. Telephone button: Reject/Hang up | |
| 13. Next track / Tune up | |
| 14. On/Off/Mute | |
| 15. Select | |
| 16. Telephone menu | |

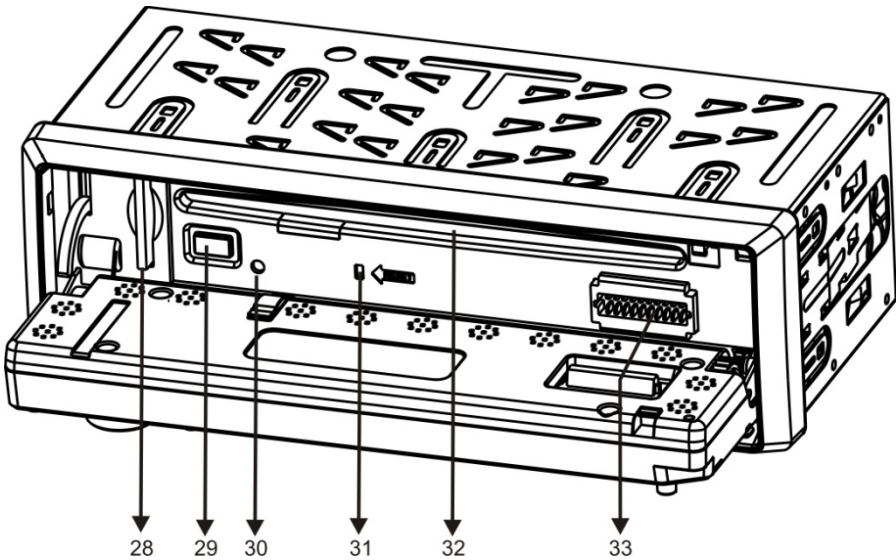
Note on no. 19 - AUX-IN (3.5 mm):

External audio devices (such as MP3/MP4 players, cassette recorders, mini-disc players etc.) can be connected to the 3.5 AUX-IN socket with the earphone output or AUX-OUT. A connection cable (not included in the scope of supply) is required to connect the audio devices (3.5 mm mini-jack to mini-jack).

Note:

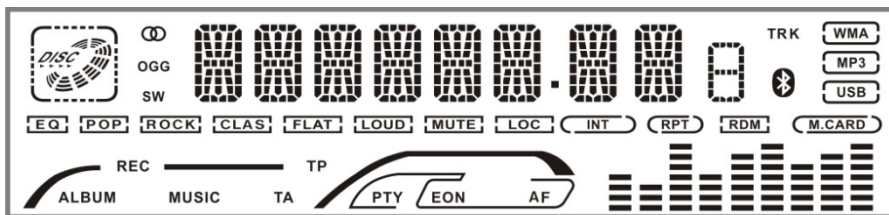
- The corresponding button numbers are used in the following text for easier location (e.g. for button 1 -> **(1)**, for button 2 -> **(2)**). Unfold the cover of the user guide with the overview of the device. This shows the respective button numbers.

10.2 Front (open)





- 28. SD card slot
- 29. Eject
- 30. Anti-theft LED
- 31. Reset (restore factory settings)
- 32. CD loader
- 33. Contacts

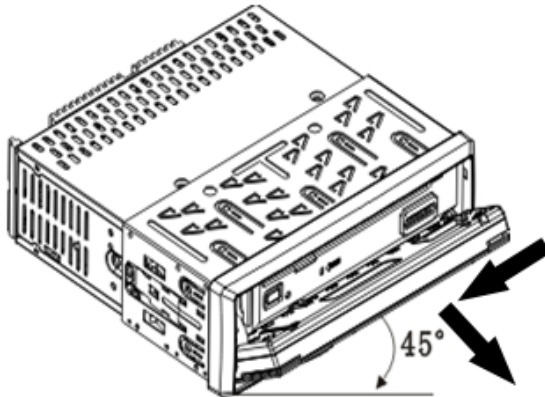
10.3 Display overview



An overview of the display is given here. Different symbols light up depending on the operating mode, settings and the media used.

Symbol	Description
DISC	Lights up when a CD is inserted and read.
EQ (POP, ROCK, CLAS, FLAT)	Lights up when one of the preset equalisers is switched on.
LOUD	Lights up when the LOUD function is switched on.
MUTE	Lights up when the mute function is activated.
LOC	Lights up when local mode is switched on.
INT	Lights up when Intro is switched on.
RPT	Lights up when Repeat is switched on.
RDM	Lights up when Random is switched on.
OGG, WMA, MP3	OGG lights up when Ogg Vorbis audio files are played, WMA lights up when WMA audio files are played and MP3 lights up when MP3 audio files are played.
USB, M.CARD	Lights up when a USB device or memory card are used.
	Lights up if a station is broadcast in stereo.
TA, TP	Lights up when TA or TP is switched on.
EON	Lights up when EON is switched on.
AF	Lights up when AF is switched on.
PTY	Lights up when programme information is received.
	Lights up when the Bluetooth functions are used.

10.4 Removing and attaching the operating panel



Attachment

Carefully place the left-hand side of the operating panel onto the locking pin. Then gently push the right-hand side onto the locking pin and carefully push the operating panel upwards until it clicks into place.

Removal

Tilt the operating panel outwards by 45° (1). Carefully push the operating panel to the left and pull it out towards you.




Caution!!

- Never exert force on the buttons or display when removing or attaching the operating panel. Protect the operating panel against knocks and theft. Always place the operating panel in the case provided when it has been removed.

Note:

- Never tilt the operating panel outwards completely (90°), as the frame would then impede its removal.

10.5 Button functions

Button	Function
Every button	Switch on the device
	<ul style="list-style-type: none"> Switch off the device (press for longer than 2 seconds) Press briefly to activate MUTE
Plus (+)	Volume / Increase
Minus (-)	Volume / Decrease
	Accept call (Pick-up)
	Reject call (Hang up)
Mode	Switch between the functions (TUNER → CD → A2DP → SD → USB → AUX → TUNER) (CD/A2DP/SD/USB are only displayed if corresponding media are inserted/connected)
T-MENU	
SEL	Selection button for standard settings

Button	TUNER mode	CD/SD/USB mode
Tune up button (▶▶)	<ul style="list-style-type: none"> Automatic station search (press briefly) Manual station search (press for longer than 2 seconds) 	<ul style="list-style-type: none"> Next track (press briefly) Fast forward (press for longer than 2 seconds)
Tune down button (◀◀)		<ul style="list-style-type: none"> Previous track (press briefly) Fast reverse (press for longer than 2 seconds)
0 (DISP)		
1 (PAU)	<ul style="list-style-type: none"> Select preset stations (press briefly) Save current station (press for longer than 2 seconds) 	Activate/deactivate Pause
2 (RPT)		Activate/deactivate "Repeat"
3 (INT)		Activate/deactivate "Intro (10 secs.)"
4 (RDM)		Activate/deactivate "Random"
5 (-10)		Go back 10 tracks
6 (+10)		Go forward 10 tracks
7 (AF)	Activate/deactivate "Alternative frequency" (<i>refer to the following pages</i>)	
8 (TA)	Activate/deactivate "Traffic announcement" (<i>refer to the following pages</i>)	
9 (PTY)	Activate/deactivate "Programme type" (<i>refer to the following pages</i>)	
* (AS/PS)	Auto Store and Preset Scan	
# (Band)	Selection of the frequency band (FM 1 → FM 2 → FM 3 → MW1 → MW2 → FM 1)	

Traffic announcement (TA)

The **TA** button is used in TUNER mode to switch the "Traffic announcement" function on and off. The default setting is OFF. Press the TA button to switch the function on and press it again to switch it off. If the "Traffic announcement" function is active, the device automatically tunes into a station with traffic announcements (TA appears on the screen). If the "Traffic announcement" function is switched on but no traffic news is currently available, the TA symbol flashes on the display. If the device cannot receive a station with traffic announcements, it returns to the previously set station. If the TA function is switched on, but no RDS signal is received, the symbol TP flashes on the display.

If the device is run in another mode when the TA function is active (such as CD, USB, SD or AUX-IN), the device automatically switches to TUNER mode if a traffic announcement is received and the traffic announcement is transmitted. After the traffic announcement the device automatically returns to its previous mode. When a traffic announcement is being made, the buttons **AS/PS**, (preset) buttons **[1-6] / PTY / MODE / Tune up / Tune down** and the **Band** button are locked. When the TA button is pressed briefly once, the received traffic announcement is ignored. The "Traffic announcement" function is switched off by pressing the **TA** button twice.

Programme type (PTY)

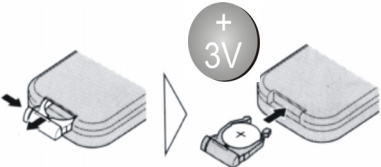
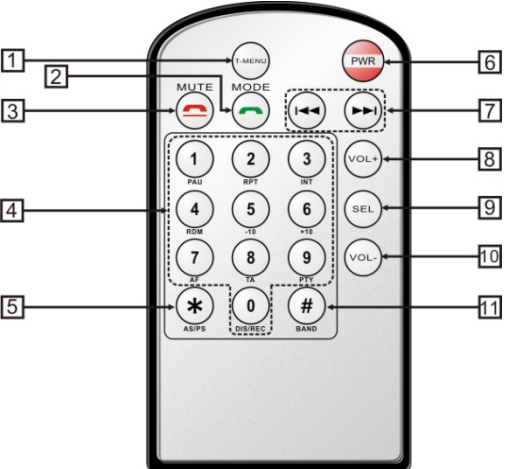
The "Programme type" function is switched on and off by pressing the **PTY** button in TUNER mode. The default setting is OFF. If the "Programme type" function is switched on and a corresponding station is received, the PTY information is shown on the display. If the "Programme type" function is switched on, the last selected PTY programme can be searched for by pressing the buttons **Tune up/Tune down**. The PTY genre of your choice can be selected by pressing and holding the **PTY** button and afterwards pressing the **plus (+)** or **minus (-)** buttons. If you press the **PTY** button again, the device searches for a station which corresponds to this PTY genre. If no corresponding station is found, the message "NOT FND" (not found) is shown on the display and the PTY symbol flashes. The PTY search is cancelled by pressing the PTY button again.

Alternative frequency (re-tuning if the signal is weak) (AF / REG)

The "AF" function is switched on or off by pressing the **AF** button in TUNER mode. The default setting is OFF. If the AF function is switched on and available on the selected station, the AF symbol is shown on the display. If the function is not available, the symbol flashes.

If the **AF** button is pressed in TUNER mode for longer than 2 seconds, the "REGIONAL" function is switched on or off. The default setting is OFF. If the REG function is switched on, the device searches for the station with the same station ID on another frequency. If the function is switched off, the station ID is ignored.

10.6 Remote control

<p>Using the remote control for the first time</p>	<p>Before using the remote control for the first time, remove the transparent protective plastic foil.</p> <ul style="list-style-type: none"> ▪ Pull the tab to remove the foil.
	<ul style="list-style-type: none"> ▪ Open the battery compartment to insert the battery. ▪ Insert a 3V battery type CR2025. <p>Ensure correct polarity (+ and – are marked in the compartment).</p>
	<ol style="list-style-type: none"> 1. T-Menu (telephone menu) (Bluetooth function) 2. Pick-up button / Mode button 3. Red hang-up button / MUTE 4. Button 1 / Pause Button 2 / Repeat Button 3 / Intro Button 4 / Random Button 5 / Track - 10 Button 6 / Track + 10 Button 7 / AF Button 8 / TA Button 9 / PTY Button 0 / DISC (Rec) 5. Star key / AS/PS 6. On/Off 7. Tune up and tune down button 8. Increase volume (VOL+) 9. Select button SEL 10. Lower volume (VOL-) 11. Hash key / BAND

11 Basic functions

11.1 The ON/OFF/MUTE button

The device is switched on by pressing the **ON/OFF** button **(14)** or any other button on the operating panel. The device is switched to MUTE by pressing the ON/OFF button **(14)** briefly. Please note that all audio outputs are switched to mute as a result. The MUTE symbol is shown on the display. The MUTE function is cancelled by pressing the button **(14)** briefly again. If the **ON/OFF** button **(14)** is pressed for longer than 2 seconds, the device switches off.

11.2 Volume control

The volume can be increased or decreased by pressing the **plus (+)** and **minus (-)** buttons **(9)**. The volume can be adjusted over a range of 0 and 45. If the radio is switched off at a volume which is below the default start-up volume, the device stores this volume. The next time the device is switched on, the volume is automatically set at this level. If the volume is higher than the default start-up volume when the device is switched off, the default start-up volume level is automatically selected when it is switched on again.

11.3 Select button for settings (SEL)

Audio settings Bass/Treble/Balance/Fader:

The audio functions can be selected in the following sequence by **briefly pressing the SEL button (15)**:

VOLUME → BASS → TREBLE → BALANCE → FADER → EXIT

Explanation of the functions:	
Bass or Treble	Press the plus (+) or minus (-) (9) buttons to increase or decrease bass or treble.
Balance	Press the plus (+) or minus (-) buttons (9) to adjust the balance between the right-hand channel (R) and the left-hand channel (L). The position 0 means that both channels are balanced.
Fader	Press the plus (+) or minus (-) button (9) to increase and decrease the output from either the front or rear speakers. Position 0 means that the front and rear speakers are balanced.

CRB-631 - Basic functions

Default settings:

If the **selection button (SEL) (15)** is pressed for longer than 2 seconds, the default settings menu is opened in the following sequence:

INVOL → ADJ → TAVOL → EON → REC → TELVOL → DSP → LOUD → LOC → STEREO → EXIT

As soon as one of these items is selected, the setting can be modified by pressing the **plus (+)** or **minus (-) buttons (9)**.

Explanation of the functions:
INVOL (start-up volume) Change the default start-up volume at which the device is switched on.
ADJ (clock) Increase the hours (plus (+) button) or the minutes (minus (-) (9) button) of the clock time.
TAVOL (volume of the traffic announcements) Change the volume of the traffic announcements.
EON Switch the function EON ON or OFF (the standard setting is ON).
REC (format for recording) Select either the MP3 or WMA format for recording.
TELVOL (telephone volume) selected Select the start-up volume of a call. The default setting is 25. We recommend selecting a volume of below 35 for the best sound quality.
DSP (DIGITAL SOUND PROCESSOR) Select one of the preset sound settings of the equaliser: NONE → CLASSIC → ROCK → POP → FLAT → NONE
LOUD (permanent bass and treble boost) Switch the function LOUD ON or OFF (the standard setting is OFF).
LOC Switch the function LOC ON or OFF. ON is selected for reception of a local station and OFF for the reception of more distant stations.
STEREO Select either MONO or STEREO for playback.

Note:

- If no entries are made for 5 seconds, the display returns to the default setting in the selected mode.

11.4 AS/PS button (Auto Store/Preset Scan)

In TUNER mode:

It is possible to control two different functions by pressing the **AS/PS** button **(21)** either briefly or for longer than two seconds.

Press briefly

All stations saved on the preset buttons in the selected frequency band are scanned. The preset stations are switched on for a short time (5 seconds). This procedure is cancelled by pressing any button.

Press and hold (longer than 2 seconds)

Automatic station search is started by pressing the button for longer than 2 seconds. The device then searches for stations in the selected frequency range and saves the six stations with the strongest signal in the preset station memory.

The search is cancelled automatically when the end of the frequency range has been reached, six stations are saved or if the **AS/PS** button **(21)** is pressed again.

In CD/MP3/SD/USB mode:

The search function is activated by pressing the **AS/PS** button **(21)**.

Press the button again to select the following search criteria:

→ **TRACK NUMBER** → **TRACK NAME** → **FOLDER**

Track number search

If the track number search is selected, three digits "001- - - -" are shown on the display.

Tune up button (▶▶) (13) / Tune down button (◀◀) (11)	Select the number of the track.
Select button (SEL) (15)	Confirm the selected number.
Band button (24)	The track with the entered number is played.

Note:

- If the track cannot be found, the last track is played again and the search function is cancelled.

CRB-631 - Basic functions

Alphabetical search (Track name)

If the alphabetic search function is selected, the three characters "A**- - - -" are shown on the display.

Plus (+) button / minus (-) button (9)	Enter the character.
Tune up button (▶▶) (13) / Tune down button (◀◀)(11)	Select the next or previous character.
Select button (SEL) (15)	The flashing character is confirmed.
Band button (24)	Press the Band button twice . Playback of the entered track is started.

Note:

- Characters from "A" to "Z" and the digits "0" to "9" can be entered.
- Repeat this procedure until the required characters are displayed.
- If several files are found, the files can be opened by pressing the **Tune up** (▶▶|) (13) or **Tune down** buttons (|◀◀)(11) and the desired track can be confirmed by pressing the select button (**SEL**) (15) .
- If the track is not found, the message "**NO MATCH**" is displayed, followed by "A ** - - - -". The alphabetical search can then be repeated.

Folder search (only in MP3/SD/USB mode)

When the folder search is selected, "ROOT" is shown on the display.

Tune up button (▶▶) (13) / Tune down button (◀◀)(11)	You can navigate through sub-folders if these are available.
Band button (24)	Open the sub-folder or confirm playback of the first file of the selected folder. The device then starts playback of the track of the selected (sub)folder.

Note:

- If no entries are made for 5 seconds, the display returns to the default setting in the selected mode. If the clock display is enabled, the device displays the clock in standby mode.

11.5 DISP button (Display information)

You can navigate through the available display information by pressing the **DISP** button (22).

In TUNER mode the default setting is the **station name**, and if this is not available, the **frequency** is shown.

The sequence is:

→ **Clock** → **PTY** → **Station name** → **Frequency**

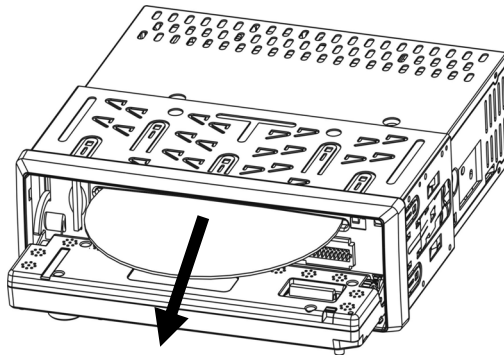
11.6 Loading and ejecting a CD

Insert **one** CD with the label side facing upwards and ensure that you do not touch the data side with your fingers.

To open the operating panel press the corresponding button (**OPEN**). You can then insert or eject a CD.

If there is still a CD in the device, first press the **EJECT** button.

Insert the CD carefully into the device without using force. It is automatically drawn inside. As soon as the CD is loaded in the device, you can close the operating panel.



The device automatically reads a CD as soon as it is inserted. This takes a few seconds and the device then starts playback of the CD.

Note:

- If the device is in standby mode and a CD is either loaded or ejected, the device automatically switches on.

11.7 Restoring the factory settings

Ensure that there is no CD in the device. Press the button to open the operating panel (**OPEN**) and then the **EJECT** button. Eject any loaded CD. To restore the factory settings of the device, press the small reset button with a bent paper clip or a similar pointed object.

12 SD card slot and USB socket

12.1 USB socket and iPOD® support

Connect a USB stick, a USB MP3 player, an Apple iPOD® (Shuffle, Mini, Nano, Video etc.) or an external 2.5 or 1.8 inch USB Hard Disk Drive to play MP3, WMA or Ogg Vorbis files. Only FAT16 and FAT32 formatted hard disks are recognised. NTFS or Linux formatted disks are **not** supported by the device. If one of these devices is connected, the USB symbol is shown on the display.

Please note: There is a wide range of memory sticks available on the market, both with and without an integrated MP3 player. A number of these sticks are not compatible with this car radio and can therefore not be used with this device.

The battery of an Apple iPOD® connected to the USB socket is only automatically charged if it is already at least 50 % charged.

Caution!!

- Several external hard disks or MP4 players and iPOD® devices with a battery which is not charged by at least 50 % have such a high power consumption that these can cause failure or malfunction of the car radio or even damage to the device which is not covered by the guarantee. Such external hard disks or MP4 players must be connected to a suitable separate power supply.

Note on iPOD® support:

iPOD® devices have two separate storage areas, the so-called mass storage area and the iTUNES® area. If the iPOD® is connected with its original USB cable, the car radio only recognises the mass storage area. The MP3, WMA or Ogg Vorbis files saved here can be played. The iTUNES® area and the file format AAC are not supported.

Caution!!

- Only connect an iPOD® with its original USB cable and **not** with the USB cable and the earphones connector of the iPOD®, or only with the earphones connector of the iPOD® to the 3.5 mm AUX input of the radio, as otherwise the iPOD® could be damaged and its warranty could be void.

Note:

- When an iPOD® is connected, the tracks are played according to the file names. The tracks are not sorted in accordance with the sequence of the iTUNES® programme.

12.2 SD card slot

The device can play MP3/WMA tracks stored on an SD card, an SDHC card or an MMC card which is inserted in the SD card slot (cards with a memory of up to 8 GB are supported). The SD card symbol is then shown on the display.

The tracks are controlled in the same way as an inserted CD (CD mode).

Note:

- It can sometimes take several seconds for the device to read the data of a card. If the device returns to TUNER mode when the **Mode** button (17) is pressed and the SD card is selected, this means that it was not yet possible to read the data on the card. Wait for several seconds before pressing the **Mode** button (17) again and selecting the SD card.

12.3 Record function

The record function is used to record from the tuner and CDs as well as from AUX IN by simple selection with the **Mode** button (17).

Insert an SD-/SDHC card (refer to SD card slot) and/or a USB stick (refer to USB socket).

If neither a USB stick nor a memory card is connected, the message "**NO MEDIA**" appears on the display when the record function is selected.

Record mode

If the button (0/DISP) (22) is pressed for longer than 2 seconds when a CD is being played, the record menu is opened.

The following appears on the display:

→**MMC ALL** (*All tracks on the card*) →**USB ALL** (*All tracks on the USB stick*) →**MMC ONE** (*Current track on the card*) →**USB ONE** (*Current track on the USB stick*)

If only a SD card is inserted, only the card messages are shown. If only a USB stick is connected, only the USB messages are shown. **ALL** means that all tracks of the CD are recorded. **ONE** means that the current track is recorded.

If the button (0/DISP) (22) is pressed in AUX or TUNER mode for longer than 2 seconds, the message "**REC MMC**" (*Record card*) or "**REC USB**" (*Record USB*) is displayed.

SD card slot and USB socket - CRB-631

Record mode	TUNER	CD	AUX	USB	SD
SD	✓	✓	✓	✗	✗
USB	✓	✓	✓	✗	✗
Delete	✗	✗	✗	✓	✓

Note:

- If no entries are made for 5 seconds, the display returns to the default setting in the selected mode.

Start/stop recording

When you have selected the required recording mode, start recording by pressing the **Band** button (24). Recording is indicated on the display by a flashing "R". The symbol of the medium used for recording flashes (**USB/M.Card**).

Press the **Band** button (24) to stop recording. When recording is finished, the device resumes playing from the selected data source.

Important!! Note on copy protection:

- Always comply with the valid legal regulations for making copies of copyright-protected media. In case of doubt contact a local expert.

Delete track (from the card/USB stick)

You can also delete tracks during playback from a USB or SD source.

To do this, select the track you wish to delete and press the (0/DISP) (22) button for at least 2 seconds to activate the **DELETE** function.

Press the **Band** button (24) to delete the selected track.


13 Bluetooth function

The car radio is equipped with a Bluetooth function. You can use this function to connect your mobile phone to the car radio and control all functions from the car radio. You can listen to the caller on the car speakers and use the external microphone without needing your hands. You can use the integrated dialling buttons on the operating panel of the car radio to dial a number directly without having to use your mobile phone while driving.

13.1 Pairing the devices

Start searching for a new Bluetooth device as described in the manual of your mobile phone.

As soon as your phone finds **"CAR RADIO"**, select **"CAR RADIO"**, enter the code **"0000"** and confirm with OK. Then enter the code on your mobile phone and confirm to finish pairing.

The mobile phone is then paired with the car radio. To connect both devices confirm pairing on your mobile phone. When the Bluetooth connection has been established between your mobile phone and the car radio, the BTi icon  is on or flashes on the display.

Note:

- The first time you use Bluetooth with your mobile phone and the car radio, you have to pair the devices. When the devices have been paired once, it is not necessary to repeat this procedure unless the car radio is fully disconnected from the power supply.

The meaning of the Bluetooth BTi icon shown on the display

Flashes slowly (every 5 seconds): Standby

Flashes quickly (once per second): Connecting

Symbol on: Connected.

Suggestions:

1. Set "My phone's visibility" to "Show to all".
2. Confirm the setting with "Yes".

Note:

- This device supports most mobile phones with a Bluetooth function such as SAMSUNG, NOKIA, PANASONIC, SHARP, MOTOROLA, PHILIPS, SONY ERICSSON, SAGEM etc. Please refer to your mobile phone's user manual for Bluetooth setup and operation.

Auto Connect

When the car radio is switched on, a connection is automatically made to the last

paired phone via Bluetooth after a search time of around one minute. If the radio cannot find the paired phone, the search is stopped. If the device is in standby mode (not connected), press and hold the **T-MENU** button **(16)** to activate the **Auto Connect** function and start the search for the last paired mobile phone.

Streaming audio with A2DP (Advanced Audio Distribution Profile)

Music which you have stored on your mobile phone can be played wirelessly on the car radio with the A2DP function and a mobile phone which supports the Bluetooth A2DP protocol.

Establish a connection to your mobile phone via Bluetooth as previously described in the section **"Pairing the devices"**.

You can then play the track stored on your phone in the normal manner with the playback function. The track is played on the speakers connected to the car radio. **"A2DP"** is shown on the display.

AVRCP (Audio/Video Remote Control Profile)

With AVRCP it is possible to use your mobile phone as a remote control for audio functions. The functions include pause, start and stop playback.



Note:

- Please note that some functions may not be available depending on the manufacturer and model.

Key assignment of the AVRCP functions:

- First press "Play" on your mobile phone to start playing the selected track.
- Press the preset **1 (PAUSE) (6)** button on your car radio to pause or resume playback of a track.
- Press the **Tune down** button (**| ◀ ◀**) **(11)** to go back to the previous track.
- Press the **Tune up** button (**▶ ▶ |**) **(13)** to go to the next track.
- To stop playback, switch the music player of your mobile phone off.

13.2 Telephone functions (Bluetooth menu)

Press the green call button  (10) to accept a call. Press the red reject/hang up button  (12) to reject or finish a call.

When the car radio is paired and connected with a mobile phone, press the **T-MENU** button (16) to open the telephone menu. This menu features several options.

One of the following functions can be selected from the following sequence with the **plus** (+) and **minus** (-) (9) buttons:

D-DIAL → CALL LIST → L-DIAL.

Press the **T-MENU** button (16) again to open the selected menu.

- D-Dial is the direct dial menu.
- Call List is the list of the last dialled numbers.
- L-Dial is used to redial the last number.


Note:

- The call list and the redial numbers are only available if numbers have been saved.

Direct dial (D-DIAL)

In the direct dial menu (**D-Dial** appears on the display), numbers can be entered directly with the **numeric buttons 0 – 9**. Use the buttons **# (24)** or *** (21)** (for any entries) during the call.


If you enter a wrong digit, press the **T-MENU** button (16) to delete the last digit.

After entering a number manually, it can be dialled by pressing the green call button  (10) .


List of last dialled numbers (CALL LIST)

After selecting the call list (**CALL LIST** appears on the display), **briefly** press the **T-MENU** button (16) to open the menu.

The previously dialled numbers appear on the display. Navigate through the list with the **plus** (+) or **minus** (-) (9) buttons.

Press the green call button  (10) to dial the displayed number. Press the **T-MENU** button (16) again to exit the menu and return to the previous mode.

Redialling the last number (L-DIAL)

After selecting this menu ("**L-DIAL**" appears on the display), press the **T-MENU** button (16) briefly to open the menu ("**REDIAL**" appears on the display). Press the green call button  (10) to redial the last number dialled.

Voice dialling

Voice dialling can be used to dial a phone number by speaking a command.

Note:

- Please note that the voice dialling function is only available if it is supported by your mobile phone.
- The voice dialling function must be activated and set up on your mobile phone. Voice dialling may need configuring on some mobile phones before it can be used. Read the user manual of your mobile phone for more information.

Press the **T-MENU** button **(16)** for 2 seconds. The connected mobile phone then starts voice dialling ("**Voice DL**" appears on the display).


Speak the name of the person you wish to call loudly and clearly and the device starts dialling the corresponding number (if it was understood correctly). Press the **T-MENU** button **(16)** briefly to cancel dialling.

Note:

- Please note that some mobile phones may offer a selection of various names if your voice command is not clearly assigned.

Call transferring (from the hands-free system to the mobile phone)

During a call press the green call button  **(10)** for two seconds to transfer the call from the hands-free system to the mobile phone.


Press the green call button  **(10)** again to resume hands-free mode.

Delete paired phone

To delete a paired phone, briefly press the **T-MENU** button **(16)** in standby mode (when no mobile phone is connected to the car radio via Bluetooth). "**DEL PAIR**" is shown on the display.

Press the **T-MENU** button **(16)** again briefly to delete all paired mobile phones.

Call waiting

If a second call arrives while you are talking, you can accept this call by pressing the green call button briefly  **(10)**.

Press the **Mode** button **(17)** to switch between both callers.

Press the red reject/hang up button  **(12)** to reject the second call.

If for **8 seconds no button** is pressed, a second caller is put on hold. Press the **Mode** button **(17)** to switch between both callers.

14 Care and maintenance

Your device is a product of high-quality design manufactured to stringent standards and should be treated with care. Compliance with the following recommendations will ensure that all warranty obligations are met.

- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the device. If it requires cleaning, use a soft, clean and dry cloth.
- Never use a rough cloth to wipe the operating panel. Only use a special microfibre cloth.
- If the car radio does not work correctly, please call the hotline for assistance.
- Servicing is normally not necessary. If, however, the device should require maintenance, **ONLY** have this done by authorised JNC technicians. Otherwise the warranty will be void.

Care of CDs

- Fingerprints and dust on the surface of the CD can negatively affect the sound quality. Clean the CD regularly with a soft cotton cloth, starting in the centre and moving outwards. Never use a circular motion when cleaning the CD.



Note:

- Keep CDs away from direct sunlight and heat sources.
- Never attach any labels or stickers to the CD.
- Only use round CDs with a diameter of 12 cm. Never insert any other CD size or type.
- If a 12 cm CD is not removed within 15 seconds after it has been ejected, it is automatically reloaded, but playback is not automatically started.

15 Troubleshooting

If a fault occurs, please first consult these instructions before you send the device in for repair. If you are unable to solve a problem despite these instructions, please contact our hotline. Do not try repairing the device yourself under any circumstances. This would mean that the warranty would be void.

Problem	Cause	Solution
The frame cannot be slid off the device towards the rear.	The securing screws have not been removed.	Remove the securing screws and try again.
	The release key was not inserted correctly.	Reinsert the key. Make sure that the protrusion on the release key points away from the device during insertion.
The device does not play back any music.	The connection cables have not been attached correctly.	Check that all cables have been attached correctly.
	The "MUTE" or "Pause" button has been pressed.	Press the "MUTE" (14) or "Pause" (6) button again.
The device cannot be turned on.	The operating panel is not inserted correctly.	Reinsert the operating panel.
	The ignition is turned off.	Turn on the ignition.
	The connection cables have not been attached correctly.	Check that all cables have been attached correctly.
	The fuse is blown.	Replace the fuse.
The device does not store the preset stations.	The radio has not been connected correctly.	Check that all cables have been attached correctly.
	The device temperature is too high.	Lower the volume of the device.
	Contacts A4 and A7 have not been connected properly or the vehicle manufacturer has reversed these.	Check the pin assignment. Reverse the connections of the cables on pins A4 and A7.
The CD is not drawn in completely.	The two securing screws have not been removed or only partially.	Remove the securing screws and try again.

CRB-631 - Troubleshooting

Problem	Cause	Solution
The inserted CD cannot be played.	The CD was inserted with the printed side facing downwards.	Flip the CD over and try again.
	The CD has too many scratches.	Create another CD from the original or have the CD repaired.
	The CD is dirty.	Clean the CD (without cleaning agents, just a lint-free cloth).
	The device temperature is too high.	Lower the volume of the device.
	The CD contains incorrect or faulty data.	The CD cannot be used with this device. Burn your audio data onto a separate data carrier and try again.
Poor radio reception.	Reception conditions are poor.	Change your location to achieve better reception.
The radio reception is choppy or frequently interrupted.	The AF function is activated.	Deactivate the AF function.
The radio only receives a few stations	The REG function is activated.	Deactivate the REG function.
The music is only played back by one speaker group.	The BALANCE and/or FADER settings are faulty.	Check the BALANCE or FADER settings.
NO FILE	The CD does not meet the CompactDisc standard or does not contain any MP3 / WMA files.	Create a CD that meets the CompactDisc standard.
Not all MP3/WMA tracks are played back.	Wrong coding of the files that are not being played back.	Recode the files.
	Too many files are stored on the CD.	A maximum of 1,000 tracks can be handled per CD. Create a CD with fewer than 1,000 tracks.

Note:

- If you do not have sufficient knowledge to install the radio yourself, consult an expert. Please note that any resulting costs will not be borne by JNC.

16 Technical data

Operating voltage	12 V DC (10.5 – 16 V DC)
Maximum power consumption	<10 amps
Dimensions	1x DIN (W x D x H) (178 mm x 175 mm x 50 mm)
Weight	1600 g
Laser	Semiconductor laser, wavelength 650 nm, 780 nm
Frequency range (CD)	48 kHz pulse modulation 20 Hz – 20 kHz
Signal-to-noise ratio (CD)	60 dB
Total harmonic distortion THD (CD)	<0,5 %
Signal-to-noise ratio and dynamic range (audio)	≥80dB
Total harmonic distortion THD	0,1%
Amplifier output	4 x 40 Watts (max.)
Speaker impedance	4 - 8 Ω
FM frequency range	87.5 - 108 MHz
Sensitivity (FM) (Signal-to-noise ratio: 30dB)	15 dBμV
Frequency response (FM)	55 Hz - 10 kHz
Signal-to-noise ratio (FM)	50 dB
MW frequency range	522 – 1,620 kHz
Sensitivity (MW) (signal-to-noise ratio: 20dB)	28 dBμV
Signal-to-noise ratio (MW)	40 dB
Antenna impedance	50 Ω
Frequency response (AUX IN)	20 – 20,000 Hz
Input impedance (AUX IN)	47 kΩ
Signal-to-noise ratio (AUX IN)	70 dB
Input level (AUX IN)	200 mV (2 V max.)
RCA output (audio)	2.0 V (1 kHz. 0 dB) ± 0.2V
Operating temperature range	-20 °C – +60 °C
Storage temperature range	-30 °C – +80 °C
USB memory capacity	No limit
SD/SD-HC/MMC card capacity	Up to 8 GB

17 Warranty information

This product has a three year guarantee from the date of purchase. For information on our after sales service, please visit www.jnc-digital.de or call our hotline:

Country	Hotline No.
Belgium	0800 72 178
Denmark	8088 6906
Germany	01805 06 79 00
England	0844 385 0222
Finland	0800 11 66 99
France	0826 109 988
Greece	00800 49 12 91 51
Holland	08000 22 90 67
Ireland	1890 944 848
Italy	800 788 035
Croatia	0800 222 823
Austria	0820 901 113
Poland	00800 49 11 487
Portugal	800 84 91 46
Sweden	020 79 59 45
Switzerland	0844 220 330
Slovakia	0800 00 49 97
Slovenia	0800 80 182
Spain	902 886 189
Czech Republic	800 14 28 43
Hungary	06800 133 97

18 Declaration of Conformity



Conformity declaration

This declaration is applicable for the following products:

Device type: Bluetooth car radio

Type designation: CRB-631

We hereby confirm that the products meet the essential protection requirements stipulated in the directives of the Council for harmonisation of the statutory provisions of the Member States in accordance with the Radio Equipment and Telecommunications Terminal Equipment Directive 1999/5/EC and the Automotive EMC Directive 2004/104/EC.

This declaration is made by:

JNC Datum Tech GmbH

Benzstrasse 33

D-71083 Herrenberg

The respective tests were executed by accredited test laboratories.
The following standards were applied for assessment of the products in accordance with the Radio and Telecommunications Terminal Equipment Act:

EN 300328: V1.7.1

EN 301 489-2: V1.8.1 / EN 301489-17: 1.3.2

EN 60065: 2002 + A1: 2006

EN 50371: 2002



Herrenberg, 12 February 2010

Date, place

Legally valid signature of the distributor

19 Glossary

PTY (Programme type)

Many radio stations send signals which identify the type of programme they are broadcasting. You can therefore select a programme type on your radio and the device will search for a station with this programme. The following programme types can be selected: Speech, News, Current Affairs, Information, Sport, Education, Drama, Culture, Science, Varied Speech (Quizzes/Comedy), Pop Music, Rock Music, M.O.R.M. Easy Listening, Classical, Other Music Types, Weather, Finance, Children, Social, Religion, Phone in, Travel, Leisure, Jazz, Country, National, Oldies, Folk Music and Documentations.

RDS (Radio Data System)

The RDS enables best possible use of your RDS-equipped radio device. The RDS enables stations to send data which help you use your radio (e.g. short messages, programme information, weather reports, general information, traffic news, music tracks or phone numbers at which the station can be contacted etc.). RDS information is sent by a large number of stations which broadcast on FM.

AF (Alternative frequencies)

The radio contains information on the frequencies of the nearest stations. This enables it to use the strongest FM signal of the selected station. This is particularly useful and convenient for you as a driver, as it is not necessary to readjust the radio when travelling through the different transmission areas.

REG (Regional mode)

Many local stations only have a few frequencies and their transmission area is limited. Several local stations have networked their stations which are spread over the entire transmission area so that your radio can switch to another transmission point of the same station if the signal becomes weak. If you wish to continue listening to the same station irrespective of the strength and quality of the signal, leave the REG function switched on as described on the previous pages.

TA and TP (Traffic Announcement and Traffic Programme)

If a local station broadcasts traffic announcements, the radio receives a corresponding signal. This information can also be used without having to listen to the entire programme of this station. If a traffic announcement is made, the radio automatically interrupts the operation of the functions AUX / CD / USB / SD, transmits the announcement and shows TRAFFIC on the display. After the announcement the device returns to the previous mode, i.e. it switches over to AUX, CD, USB or SD.

EON (Enhanced Other Networks)

Your car radio is equipped with the EON (Enhanced Other Networks) function. It can therefore switch over from a national station (e.g. RADIO ONE) to the traffic

announcement of a local station and return to the national station after the announcement has been made. Example: You are listening to RADIO FOUR with the traffic announcement (TA) function switched on or you are listening to a CD, or have the volume turned down low. If the local station sends a traffic announcement, RADIO FOUR sends an RDS signal that lets your radio transmit the traffic announcement of the local station. The device already knows the frequency of the local station in this area. The device first checks whether the signal of the local station is strong enough and then switches over from RADIO FOUR, interrupts playback of other audio sources for the duration of the announcement and increases the volume to the level set for traffic announcements. At the end of the announcement the device switches back to its previous setting. With the EON function the device already knows the frequencies of the other local and national stations which can be received in this area. If you change stations, the device already knows which frequencies it can select.

20 Index

Additional information	7	iPOD© support	29
Alphabetical search	26	ISO connection	11
Alternative frequency (AF/REG)	21	Items supplied	10
AS/PS button	25	Loading / ejecting a CD	27
Audio settings	23	Manufacturer's information	4
Auto Connect	32	Mode button	20
AVRCP	33	Notes on connection	6
Basic functions	23	Notes on operation	6
Bluetooth function	32	ON/OFF/MUTE	23
Bluetooth menu	34	Overview of the device	16
Button functions	20	Pairing the devices	32
CALL LIST	34	Persons with disabilities	8
Call transferring	35	Power supply	11
Call waiting	35	Preliminary notes	4
Care and maintenance	36	Programme type (PTY)	21
Care of CDs	36	Record function	30
Children	8	Record mode	30
Contents	1	Redial (L-DIAL)	34
Copyright	4	Remote control	22
Declaration of Conformity	41	Removing the device	15
Delete paired phone	35	SD card slot	30
Delete track	31	SEL button	23
Direct dial (D-DIAL)	34	Speakers	13
DISP button	27	Start/stop recording	31
Display	18	Storage and transport	8
Disposal	9	Streaming audio with A2DP	33
EON	42	Technical data	39
Factory settings	28	Telephone functions	34
Folder search	26	Track number search	25
General information	7	Traffic announcement (TA)	21
Glossary	42	Troubleshooting	37
Hotline No.	40	USB socket	29
Important safety information	5	Voice dialling	34
Installation	11	Volume control	23
Installing the device	14	Warranty information	40
Intended use	3		