

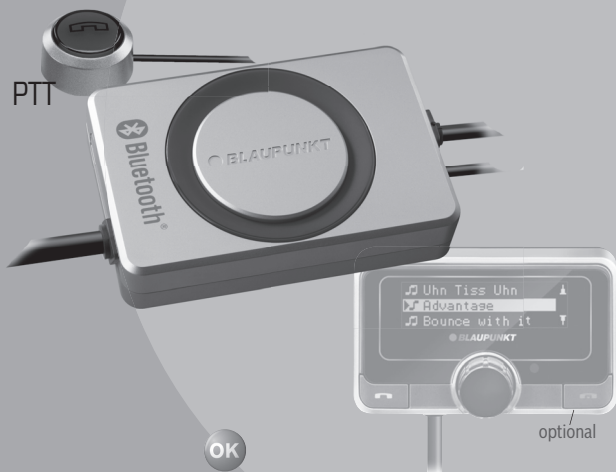
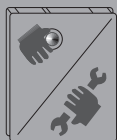


Zubehör / Accessories

Bluetooth-/USB-Interface  
mit / with PTT  
mit / with OLED-Display (optional)

7 607 545 500

7 607 548 500



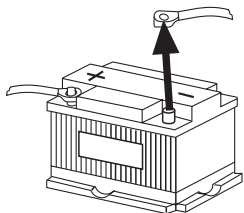
[www.blaupunkt.com](http://www.blaupunkt.com)

**BLAUPUNKT**

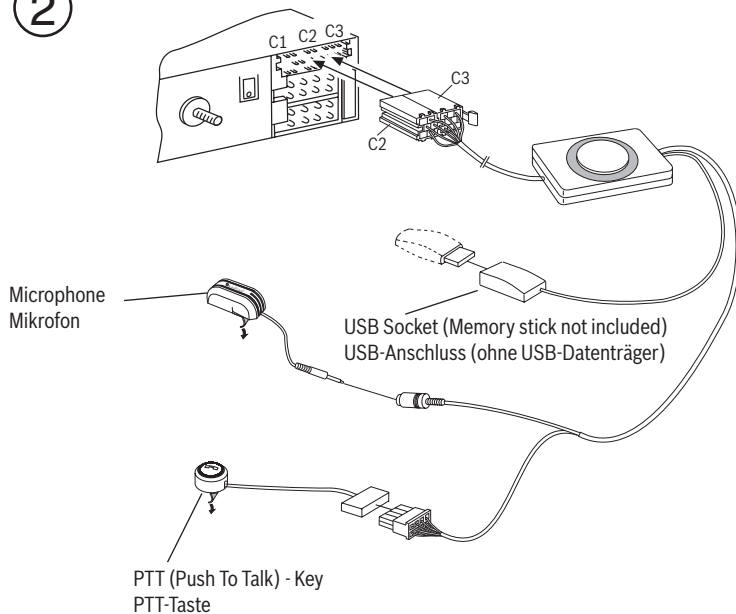
Download from [www.Somanuals.com](http://www.Somanuals.com). All Manuals Search And Download.

## Connection / Anschluss

1

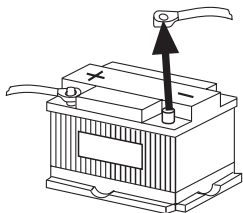


2

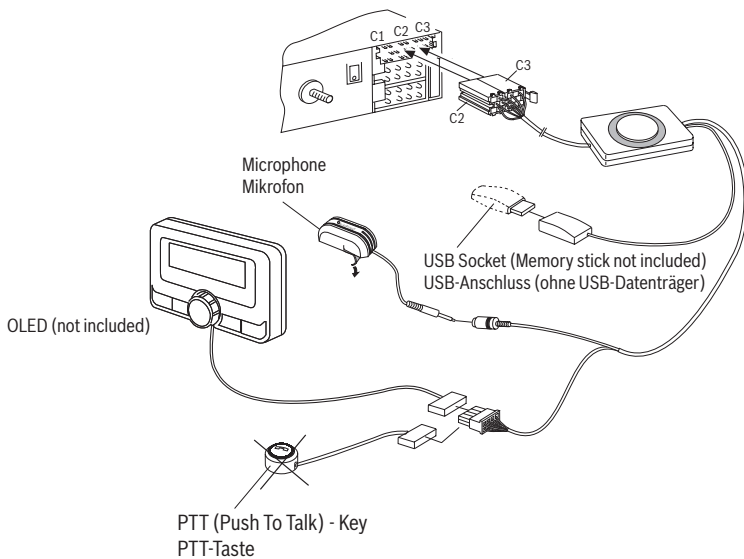


## Connection / Anschluss

1



2



## Technical Data / Technische Daten

|  |   |
|--|---|
| Bluetooth  | 1.2 (compatible with 1.x)   |
| Supported Bluetooth profiles<br>Unterstützte Bluetooth-Profil  | HFP, SPP, GAP, SDAP, AADP (A2DP), AVRCP   |
| Certifications<br>Standards  | e1, CE, FCC, Bluetooth  |
| USB  | Version 2.0 (full speed), (compatible with 1.x)<br>Mass Storage Device Class  |
| MP3-USB-Bitrate  | max. 320 kb/s, max. 48 kHz sample rate  |
| MP3 Meta Data  | ID3 v1, v2 (ISO8859-1 and ASCII), max.32char Title,<br>Album, Artist  |
| WAV Playback   | uncompressed WAV, 8, 11.25, 12, 16, 22.5, 24, 32,<br>44.1, 48 kHz   |
| WAV Meta Data  | Filename, Directoryname   |
| Playlist   | M3U format supported, Latin-1 char set,<br>see e.g. <a href="http://en.wikipedia.org/wiki/M3U">http://en.wikipedia.org/wiki/M3U</a> |
| Data Structure   | max. 64000 files and directories, up to 16 directory levels   |
| Temperature range<br>Temperaturbereich   | - 40° C ... 85° C   |
| USB voltage / current strength<br>USB-Spannung / -Stromstärke  | 5V / 0,5 A (1,0 A short term / kurzzeitig)  |
| Power Supply<br>Spannungsversorgung  | +12 ... 28 V  |
| Dimensions (inch)<br>Abmessungen (mm)  | 1.1 x 3.2 x 4.8 (without cables)<br>28 x 81 x 121 (ohne Kabel)  |
| Weight<br>Gewicht  | 300 g   |
| For all Blaupunkt Aftermarket radios as from 2002 supporting CDC.<br>Für alle Blaupunkt-Autoradios ab 2002, die CD Changer Control unterstützen. |   |

|  |           |
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## ENGLISH

We provide a manufacturer's warranty for our products purchased within the European Union. You can view the warranty terms at [www.blaupunkt.de](http://www.blaupunkt.de) or request them directly from:

Blaupunkt GmbH  
Hotline  
Robert Bosch Str. 200  
D-31139 Hildesheim

### Safety notes

Before drilling holes for mounting, ensure that no routed cables or vehicle components are damaged!

Do not install the USB socket, microphone and PTT button in the deployment area of the airbag, and ensure that the tray is safe and solid so that passengers in the vehicle are not at risk during emergency braking. Use cable glands for holes with sharp edges.



**The negative terminal on the battery must be disconnected while the device is being installed and connected.**

Observe the safety notes from the vehicle manufacturer (airbag, alarm systems, on-board computers, immobilisers).

### Recycling and disposal

Please use the return and collection systems available to dispose of the product.

### Declaration of conformity

The Blaupunkt GmbH declares that the Bluetooth/USB Interface device complies with the basic requirements and the other relevant regulations of the directive 1999/5/EG.

### Dear customer,

the firmware "**SW8B27**" for the Bluetooth USB interface (BT-USB interface, 7607 545 500 001) is now available and provides several new functions that we would like to explain below.

A significant innovation since SW8625 is the **support for the OLED display (7 607 548 500 001)**.

#### Note:

Bluetooth USB interfaces with **hardware version "1"** (index "AC" or higher) can be retrofitted with the OLED display.

**Unfortunately, this is not possible for older interfaces with hardware version "0".**

The hardware version of your interface can be found without uninstalling the interface by using the file "**id.txt**", see the instructions Reading out technical data.

#### Caution:

**Before startup of the OLED display, it is necessary to update the firmware of your BT-USB interface (see the section Software update).**

The following instructions assume that the firmware of your BT-USB interface has already been updated, and the language was set to English (see the section Settings menu).

This firmware can also be used with your PTT like the previous versions. The OLED-specific control and display options listed below are not available in this case.

#### Switch-on

The OLED display switches on **automatically** as soon as you switch on your radio or radio navigation device (RNS).

#### Switch-off

The OLED display switches off **automatically** as soon as you switch off your radio or radio navigation device (RNS).

You can also switch off the display **manually**; to do so, press and hold the **red phone button** for longer than **5 seconds**. The buttons remain illuminated to improve navigation at night.

In the "Display -> Standby" Settings menu (see below), you can **preselect a time** after which the display automatically switches off with switched-on radio, e.g. to reduce a possible distraction of the driver. In the "Display -> Switch-on" menu item, you select how the display will be switched on again.

If a call should be received after manual or automatic switch-off, the display switches on automatically again (provided that the radio is still switched on).

## Displays and controls

The OLED display shows different information depending on the current status of your BT-USB interface. Which control options are available via the green (left) and red (right) phone button as well as the central rotary pushbutton is listed in the following sections.

Pressing the red and green phone button at the same time calls up the **Settings menu**. Here you can adjust many properties to your personal preferences, such as the language (English, French, German) or ID3 tags from MP3 files to be displayed.

### After initial switch-on

After switch-on, the OLED display greets you with a Blaupunkt lettering which gives way for a smaller lettering after a few seconds.

## Registering (pairing) your cell phone with the interface

Use your cell phone to search for Bluetooth devices (see the instructions of the cell phone -> Pairing). The telephone finds "Blaupunkt IF" and asks for a PIN. Enter **PIN 1234** on your cell phone. An existing BT handsfree connection is shown on

your OLED display by a non-flashing BT symbol in the top left corner.

If your telephone does not request a PIN, please check by means of the compatibility list for cell phones ([www.blaupunkt.com](http://www.blaupunkt.com)) whether a different configuration should be set for operation with your type of telephone.

You can couple up to 5 cell phones with the interface. If additional phones are coupled, the data of the phone coupled first are deleted from the list.

The **automatic reconnect** for handsfree registering is started by the interface under the following conditions:

1. After **switch-on** of the interface, every one of the last up to 5 pairings is checked for up to 15 seconds whether a pairing can be re-established. During this time, the BT symbol flashes. With active pairing, the BT symbol is displayed constantly. If no pairing is accomplished, the BT symbol goes out. As long as the BT symbol flashes, acoustic interference's are possible in an existing audio stream connection, since all BT radio channels (including those in which an audio stream already exists) are checked for the pairing.
2. An automatic pairing attempt (flashing BT symbol) starts if an **existing pairing is dissolved** with switching off BT in the cell phone or removing it from the BT radio range.
3. Press on the **green phone button** (as long as no telephone is registered).

### Note:

To initiate a pairing, it is NO LONGER required to hold the PTT button pressed for 5 seconds. The interface is always visible in the BT radio range and ready for pairing.

Without any preparation at the interface of your BT device, start the function **"Find other BT devices"** (may be called differently, see the instructions of your BT device) and select your "Blaupunkt interface".

## Connecting two BT devices with the interface at the same time

The use of the services **"Hands-Free Calling"** and **"Audio Streaming"** can now (new) be performed by **different BT devices** that are **connected with the interface at the same time**.

For example: cell phone for hands-free calling and Music Player with Bluetooth transmitter (BT-TX) for audio streaming.

Until now, it has only been possible to perform both functions with the same BT device. The following illustrations (overview of functions) display the existing and the newly made possible connections:

Each of the offered services **"Hands-Free Calling"** (BT profile HFP) and **"Audio Streaming"** (BT profile A2DP and AVRCP) **can only be used by no more than one BT device at the same time**.

### Notes:

A simultaneous hands-free connection with two cell phones is NOT possible. Only after disconnecting a hands-free connection is it possible to activate the second one.

For audio streaming connections, there is no list of the devices used last.

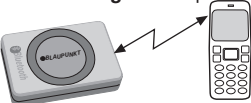
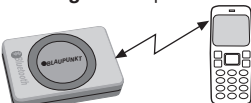

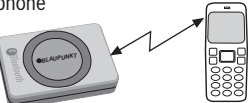
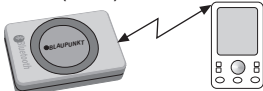
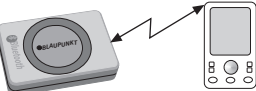

A Bluetooth Audio streaming transmitter (BT-TX) connects itself only if the connection is actually requested.

An interface that is switched on is always ready for pairing with a BT-TX.

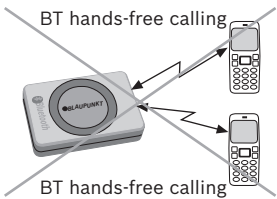

The pairing of a BT streaming device is NOT saved in the interface, some streaming devices may request the PIN after every restart.



## Overview of functions

| Mode | Previously possible  | Possible with SW8205 or higher   |
|------|--|--|
| 1    | <p><b>Hands-free calling with cell phone</b></p>  <p>BT hands-free calling</p>  | <p><b>Hands-free calling with cell phone</b></p>  <p>BT hands-free calling</p>  |
| 2    | <p><b>Hands-free calling and audio streaming with cell phone</b></p>  <p>BT audio streaming<br/>BT hands-free calling</p> | <p><b>Hands-free calling and audio streaming with cell phone</b></p>  <p>BT audio streaming<br/>BT hands-free calling</p>   |
| 3    | <p><b>Audio streaming with BT transmitter (BT-TX)</b></p>  <p>BT audio streaming</p>                                      | <p><b>Audio streaming with BT transmitter (BT-TX)</b></p>  <p>BT audio streaming</p>  |
| 4    | <p>Function not available!</p>   | <p><b>Hands-free calling with cell phone and audio streaming (connected at the same time) with BT transmitter (BT-TX)</b></p>  <p>BT hands-free calling</p> <p>BT audio streaming</p> |

## Overview of functions

| Mode                       | Previously possible  | Technically not possible   |
|----------------------------|--|--|
| <p><b>Not possible</b></p> | <p><b>Hands-free calling with 2 cell phones</b><br/>Function not available!</p>          | <p><b>Hands-free calling with 2 cell phones</b><br/>Function not available!</p>  <p>BT hands-free calling</p> <p>BT hands-free calling</p>    |
| <p><b>Not possible</b></p> | <p><b>Audio streaming with 2 BT transmitters (BT-TX)</b><br/>Function not available!</p> | <p><b>Audio streaming with 2 BT transmitters (BT-TX)</b><br/>Function not available!</p>  <p>BT audio streaming</p> <p>BT audio streaming</p> |

## Telephone: incoming call

An incoming call is shown on the OLED display by a vibrating telephone, the note "Call" and (if transmitted) name or phone number of the call as well as a flashing rotary button.

You can **reject** the call by pressing the **red telephone button** or pressing the PTT button for a longer time.

You can **answer** the call by pressing the **green telephone button**, the **rotary button** or briefly pressing the PTT button.

"**Call Active**" indicates that the phone connection (GSM) is active. At the same time, the car sound system is muted (Tel. Mute) and the voice of the caller is played via the car loudspeakers.

You can **end** the call by pressing the **red telephone button** or the **rotary button** or pressing the PTT button.

## Telephone: outgoing call

To make a phone call, press the **green telephone button** or the PTT button.

The **voice recognition** of the cell phone is activated (if available and activated).

The OLED display shows "**Phone Book**". Push the rotary button to confirm your selection and select the **first letter** of the desired contact by turning the button clockwise or counterclockwise. Pressing the rotary button again displays a 3-line segment from the list of all contacts whose name starts with this letter. "No Phone Book" indicates that no phone book could be loaded by your cell phone. "Loading Phone Book" indicates that the download by the cell phone has not been completed yet; please repeat your attempt at a later time.

Select the desired contact from the phone list by turning the rotary button clockwise or counterclockwise. In addition to the contact name, the phone number is also displayed now. You start the dialing process with the green telephone button. The OLED display shows a phone icon and the text

"Dialing ..." with the selected phone number. You can cancel by pressing the red phone button.

As soon as the contact you are calling has answered the call, the OLED display shows "Call Active" again. You can end the call by pressing the red phone button.

If you turn the button during the "Phone book" display, "**Dial Number**" appears as an alternate input option, which you can select by pressing the rotary button.

From the displayed list, select the first digit of the desired phone number and copy it to the 2nd line containing your selected number by pressing the button. If you inadvertently selected a wrong digit, you can delete it by briefly pressing once on the red phone button. If you want to completely cancel the number entry, hold the red button pressed for at least 2 seconds, and you are returned to "Dial Number".

After completely entering the number, start dialing by pressing the green phone button.

You can cancel or end by pressing the red phone button.

## Phone list control (PTT)

The **car sound system** must be in the CD changer mode and support the CDC text.

The TXT or MD configuration (device-dependent) must have been loaded by the **interface**, see [www.blaupunkt.com](http://www.blaupunkt.com).

The **cell phone** must also support phone list control.

- ➔ Briefly press the PTT button to change to the phone book. If you did not select any specific entry, press the PTT button again to redial the last phone number.
- ➔ To be able to select a first letter from the phone list in the phone book, press the button for changing a CD on the radio (up/down, see the instructions of your radio).

- CD1: All phone book entries
- CD2: ABC
- CD3: DEF
- CD4: GHI
- CD5: JKL
- CD6: MNO
- CD7: PQRS
- CD8: TUV
- CD9: WXYZ

→ Press the up/down track button of your radio to change the individual entries.

→ Select the desired entry with the PTT button, and press the PTT button a second time to make the call.

The call starts and you can hear the contact person over the loudspeakers of the car sound system.

You can cancel or end by pressing the PTT button again.

## Audio streaming via BT

Activate the audio streaming on your cell phone or BT streaming transmitter. Use **PIN 1234**. If the PIN of your BT streaming transmitter is permanently set to "0000", you can also adjust the interface to this PIN, see the Settings menu.

During the audio streaming, the OLED display shows **"STREAM"**.

For some BT streaming transmitters with **remote control option** (BT AVRCP, Audio Video Remote Control Profile), it is possible to jump to the previous/next track by turning the rotary button to the left or right or pressing the left/right radio button.

## MP3 or WAV playback via USB

You can connect a USB removable media drive with MP3 and/or WAV files to the interface to play the MP3 or WAV files via the car sound system. The car sound system must be switched on. During a hands-free telephone call and with active audio streaming, the USB playback is interrupted.

By turning the button left or pressing the radio button <, you jump to the start of the track currently playing (playback time > 3 sec.) or to the previous track.

By turning the button right or pressing the radio button >, you jump to the next track.

Forward and reverse can be done as before with a long press on the Right or Left button of your radio.

Mix, Repeat and Scan settings should also be performed on your radio.

Playback lists (M3U playlists) are recognised in all directories and processed, not only in the BLAUPUNKT directory. They are handled similar to directories. Sorting is done by memory sequence.

During the **MP3 playback**, the OLED display shows **additional information** from the MP3 files ("ID3 tags"). In the **Settings menu**, you can select **different views and configurations** for this purpose. If ID3 tags to be displayed should not be filled out in MP3 files (e.g. no track), the note "No Track" is displayed.

During the **WAV playback**, the file name (display = 1 line) or file name in line 1 and directory name in line 2 (display = 2 lines) is automatically shown.

### The following scan rates are supported:

8 kHz, 11.025 kHz, 12 kHz, 16 kHz, 22.05 kHz, 24 kHz, 44.1 kHz, 48 kHz

The control of the playback is identical to that of MP3 files.

In TXT or MD mode, ID3 text display in radio display. Setting via config.txt, see Loading a configuration file.

## Browsing (OLED)

During the MP3 or WAV playback from the USB medium, **press the rotary button** to reach the **Browsing mode**. It allows you a convenient navigation through the directories of your music collection on the USB medium. While selecting a new song, the currently played song continues being played. Only after confirmation does the new song begin to be played.

"**Please wait**" indicates that new list entries are being searched.

The displayed 3-line list contains all the subdirectories, playlists and MP3/WAV files in the currently used directory of your USB memory.

The **currently played MP3/WAV file** is preselected and identified with "->".

You scroll through the list entries by turning the rotary button left or right.

A list entry is a **subdirectory** or a **playlist**:

- Pressing on the rotary button opens the subdirectory or the playlist.

The display corresponds to the aforementioned one.

List entry is **MP3 or WAV file**:

Pressing on the rotary button end the current playback and starts the playback of the selected file. The display corresponds to the aforementioned one.

Pressing on the **red phone button** calls up the **higher-level directory**.

With the up/down radio buttons, you reach the next/previous directory or playlist according to the memory order on the USB memory device.

### Note:

The browsing mode is exited automatically 30 seconds after the last button or rotary button activation or manually with a long press on the red phone button.

## Tip: (OLED or PTT)

The convenient navigation through your USB file structure allows you to clearly organise your music data and quickly access the data.

However, a large number of directories, particularly on large USB hard disks, slow down access to your music data. As an alternative, try to organise your music collection via playlists (M3U playlists, for format see <http://de.wikipedia.org/wiki/M3U>).

## Settings menu (OLED only)

To call up the Settings menu, press the **green or red phone button at the same time**. The OLED display shows "Settings Bluetooth".

The individual menu items can be reached by turning the rotary button left or right.

Briefly pressing on the rotary button opens the selected menu. Additional settings can be made by turning and pressing on the rotary button. OK on the display confirms your selection, and the successful storing of your defined values.

Briefly pressing on the red phone button calls up the previous/higher-level menu item.

### Notes:

- To avoid possible setting conflicts, you should **delete** or **rename** the **config.txt** file from your Blaupunkt directory when using an OLED display.
- The following overview shows which settings you can perform in your interface. The **basic factory settings** are marked in **grey**.

## Which settings are active?

In the Settings menu under **Settings -> Info -> BT-USB-IF -> Config**, the OLED display indicates which configuration settings are currently active.

This information can also be found in the **id.txt** file, see the section Instructions for reading out technical data.

## Operation with PTT

Adjust the desired configuration by loading a config.txt file. See the section Instructions for configuration changes

The following table shows the displayed configurations in square brackets [...].

| <b>Settings</b><br><b>[Config display]</b> | <b>Function</b>   |
|--|---|
| <b>Bluetooth</b>                           | Settings of various Bluetooth functions   |
| <b>Delete pairing</b>                      | Deleting the pairings between interface and Bluetooth devices   |
| <b>All</b>                                 | All pairings saved in the interface are deleted.  |
| <b>Start pairing</b>                       |   |
| <b>On</b>                                  | Opens the time window in which interface and Bluetooth devices can be paired.   |
| <b>PIN</b>                                 |   |
| <b>1234</b>                                | Standard setting "1234"   |
| <b>0000</b>                                | For streaming devices with fixed setting of the PIN to "0000"   |
| <b>Comp. mode</b>                          | Bluetooth compatibility mode  |
| <b>Off</b>                                 | Basic setting for all Bluetooth cell phones that do not have the following specific feature.  |
| <b>On</b><br>[BT_COMP_MODE]                | This setting should be activated if your cell phone does not request the PIN for the "Blaupunkt IF" after the pairing during the Bluetooth connection attempt. For example, this applies to Nokia 6210, Motorola V300 |
| <b>Phone book</b>                          | Which phone book should be loaded from the cell phone?  |
| <b>All</b><br>[CFG_PB_ALL]                 | All available phone books (SIM card, inside cell phone) are loaded into the interface (max. total entries: 200)   |
| <b>SIM</b><br>[CFG_PB_SIM]                 | Only the phone book of the SIM card is being loaded (max. total entries: 200)   |
| <b>internal</b><br>[CGF_PB_INT]            | Only the internal phone book of the cell phone is being loaded (max. total entries: 200)  |
| <b>No download</b><br>[CFG_PB_NONE]        | No phone book is being loaded into the interface.   |
| <b>BT On / Off</b><br>[BT_ON_OFF]          | Turns the Bluetooth function of the interfaces on or off.   |
| <b>HFP On / Off</b><br>[BT_HFP_ON_OFF]     | Turns the Bluetooth hands-free function on (BT On/Off must be On!) or off.  |
| <b>A2DP On / Off</b><br>[BT_A2DP_ON_OFF]   | Turns the Bluetooth streaming receiver in the interface on (BT On/Off must be On!) or off.  |

| <b>Settings<br/>[Config display]</b> |                                      | <b>Function</b>  |
|--------------------------------------|--------------------------------------|--|
| <b>Display</b>                       |                                      | Settings of various display functions  |
| <b>Brightness</b>                    |                                      | Brightness setting   |
|                                      | <b>Auto (Sensor)</b>                 | The brightness of the display adjusts automatically to the ambient light conditions.   |
|                                      | <b>Fix 20% ... Fix 100%</b>          | The brightness value is permanently set to xx% (xx = 20   40   60   80   100)  |
| <b>Standby</b>                       |                                      | Activation of the Standby mode   |
|                                      | <b>Off</b>                           | The display always remains active and is not switched off  |
|                                      | <b>10 sec. ... 120 sec.</b>          | After xx seconds, the display switches to Standby mode (xx = 10   20   ...   110   120), display dark, button illumination switched on, switches on again with a phone call or the event selected in "Switch-on" |
| <b>Switch-on</b>                     |                                      | Criteria for switching on the display again from Standby mode  |
|                                      | <b>Press button + display update</b> | Display switches on after pressing the button or changing the display content, e.g. playback of next track   |
|                                      | <b>Press button</b>                  | Display switches on after pressing the button or turning the rotary button   |
| <b>Scroll mode</b>                   |                                      | Display of texts that are longer than one line   |
|                                      | <b>Continuous</b>                    | Text is being fed through continuously   |
|                                      | <b>Once</b>                          | Text is fed through once, then the first part of the text is permanently displayed   |
|                                      | <b>Off</b>                           | First part of text is permanently displayed  |



| <b>Settings</b><br><b>[Config display]</b> | <b>Function</b>   |
|--|---|
| <b>ID3 Config</b>                          | Display of data from MP3 files (ID3 tags)   |
| <b>Display</b>                             | Selection of display form   |
| <b>1 line</b>                              | The data selected in "Info 1" are displayed on one line (display height).                                     |
| <b>2 lines</b>                             | The data selected in "Info 1" / "Info 2" are displayed on the top and bottom line (half display height each). |
| <b>Info 1</b>                              | Selection of data displayed on line 1   |
| <b>Track</b>                               | track data from ID3 tags  |
| <b>Album</b>                               | Album data from ID3 tags  |
| <b>Artist</b>                              | Artist data from ID3 tags   |
| <b>File name</b>                           | File name   |
| <b>Directory or playlist name</b>          | Name of current directory or current playlist   |
| <b>Info 2</b>                              |   |
| <b>Track</b>                               | Track data from ID3 tags  |
| <b>Album</b>                               | Album data from ID3 tags  |
| <b>Artist</b>                              | Artist data from ID3 tags   |
| <b>File name</b>                           | File name   |
| <b>Directory or playlist name</b>          | Name of current directory or current playlist   |

| Settings  | Function   |
|---|--|
| <b>Info</b>   | Display of technical data  |
| <b>BT USB IF</b>  | The displayed technical data of the Bluetooth USB interface correspond to the data listed in "id.txt"  |
| <b>Bluetooth USB interface</b><br><b>7 607 545 500 001</b><br><b>BT ID: &lt;0-19-61-xx-yy-zz&gt;</b><br><b>HW ver: 1</b><br><b>SW ver: 8424</b><br><b>P.Date 7113 P.Code: CN</b><br><b>Config:</b><br><b>[CDC_...]  [CFG_PB_...]  ...</b> | Product name of the interface<br>Blaupunkt product no<br>Bluetooth address (serial number of the interface)<br>Hardware version, here "1"<br>Software version, here "8424"<br>Production date and code (coded)<br>Configurations defined in the interface<br>Details see below |
| <b>Display module</b>   | technical data of the OLED display module  |
| <b>Blaupunkt display</b><br><b>7 607 548 500 001</b><br><b>SW ver: 02.05</b><br><b>HW ver: 0E.00</b>  | Product name of OLED display<br>Blaupunkt product number<br>Software version, here "02.05"<br>Hardware version, here "0E.00"   |

| <b>Settings</b><br><b>[Config display]</b> | <b>Function</b>   |
|--|---|
| <b>Radio Config.</b>                       | Setting of the interface to the radio / RNS, <b>no change for the OLED display use.</b><br>Please note the <b>Commercial radios compatibility list</b> and delete existing config.txt files from the Blaupunkt directory of your USB stick or USB hard disk |
| <b>MD mode</b><br>[MD_TEXT]                | Radio display: max. 999 own playlists and directories, max. 999 tracks per playlist or directory as well as the phone lists and track display   |
| <b>TXT mode</b><br>[CDC_TEXT]              | Radio display: max. 9 own playlists and directories, max. 99 tracks per playlist or directory, phone lists and track display  |
| <b>Basic mode</b><br>[CDC_BASIC]           | Radio display: max. 9 own playlists and directories, max. 99 tracks per playlist or directory, no phone lists and track display   |
| <b>DX-R70/DX-R4</b><br>[RADIO_TYPE_DX_R70] | Select this setting if you are operating the Bluetooth USB interface at a DX-R70 or DX-R4.  |
|  |   |
| <b>Startup</b>                             | Basic settings  |
| <b>Mic. Test</b>                           | This allows you to check the installation of your interface.  |
| <b>On</b>                                  | Switches the hands-free microphone to the loudspeaker   |
| <b>Mic. Test</b> (flashes)                 | Microphone test is active. End with red phone button.   |
| <b>Mic. amplification</b>                  | Adjusting the microphone volume. The effect of this setting is reduced by the automatic echo compensation during hand-free calling.   |
| <b>Standard value</b>                      | Factory setting   |
| <b>Mic. 2 ... 14</b>                       | Softer (2) or louder (14) than standard value   |
| <b>Factory setting</b>                     | Resetting of all settings to factory setting  |
| <b>Sure ?</b>                              | Confirmation dialogue<br>Yes = press the rotary button<br>No = cancel = red phone button  |
| <b>Language</b>                            | Selection of the language for the operating menu  |
| <b>English</b>                             |   |
| <b>German</b>                              |   |
| <b>French</b>                              |   |

| Settings                | Function  |
|-------------------------|---|
| <b>Play Mode</b>        | MIX / RPT / SCAN setting without CDC control<br>(Operation via AUX interface - Attention: Menu item appears only if there is no CDC connection to the radio!) |
| <b>Normal</b>           | Standard playback order   |
| <b>MIX Directory</b>    | Music files from the current directory or play lists are reproduced in random order.  |
| <b>MIX Medium</b>       | Music files are played in random order.<br>Note: The entire medium will be checked, which might result in a longer access time (SEEK USB or SEEK Medium).     |
| <b>Repeat Track</b>     | The music file currently played will be repeated until this function is turned off.   |
| <b>Repeat Directory</b> | All music files in the current directory or play lists will be repeated until this function is turned off.  |
| <b>Repeat Medium</b>    | All music files of the entire medium will be repeated until this function is turned off.  |
| <b>Scan Directory</b>   | Music files of the current directory / play list will be played briefly for approx. 18 seconds.<br>Press the red phone key to stop this function.             |
| <b>Scan Medium</b>      | Music files of the entire medium will be played briefly for approx. 18 seconds.<br>Press the red phone key to stop this function.                             |

## Software update

You can update the software of the interface yourself to render the interface compatible with newer cell phones.

### Note:

When you update the software, it is possible that these operating instructions are no longer up-to-date. Please download a current version of the instructions from [www.blaupunkt.de](http://www.blaupunkt.de).

The following are required to update the software:

- USB data carrier (e.g. USB stick) with FAT16 or FAT32 formatting and at least 4 MB free memory capacity
- Computer with Internet access
- ZIP software

### Updating

- On the USB device, create the "Blaupunkt" directory at the top level. Example: "W:\Blaupunkt"
- Load the software of the Bluetooth/USB interface from [www.blaupunkt.de](http://www.blaupunkt.de) and store it in a directory of your computer.
- Unzip the ZIP file and copy the unzipped files to the Blaupunkt directory on the USB device.
- Deactivate the USB device at the computer.
- Connect the USB device with the USB cable of the interface.
- Turn on the car sound system.
- Press and hold the PTT button or the green phone button while switching the car sound system off and on again.
- Release the PTT button or the green phone button.

The loading process starts.

- Select CD Changer (CDC) at the car sound system as the audio source.

The display shows the progress of the load process. At the same time, the title numbers "1" through "5" are shown in ascending order and the current time for every title number. After the load process has completed, the display shows the track number "99" and the time "59:59".

### Notes:

- If the progress indicator stops before the end of the loading process, disconnect the USB data carrier and reconnect it to the USB cable of the interface. If this is not successful, repeat the update process.
- If the time "00:00" is displayed at the end of the loading process, an error occurred. In this case, repeat the update process.
- Switch the car sound system off and on again.

The new software is now activated.

## Reading out technical data

During the update, two files with information about the interface and the update process are created in the "Blaupunkt" directory of the USB data carrier. Both files can be opened and read on a computer using a plain text editor:

- The "**id.txt**" file contains information about the status of the interface, e.g. the current hardware and software version as well as the Bluetooth ID of the interface.
- The "**setup.log**" file contains information about the process of the update, e.g. the message about a successful installation or any errors that occurred.

| id.txt:   | Display of technical data   |
|---|---|
| <b>Bluetooth USB interface</b><br><b>7 607 545 500 001</b><br><b>BT ID: &lt;0-19-61-xx-yy-zz&gt;</b><br><b>HW ver: 1</b><br><b>SW ver: 8424</b><br><b>P.Date 7113 P.Code: CN</b><br><b>Config:[CDC_..][CFG_PB_..]</b> | Product name of the interface<br>Blaupunkt product no<br>Bluetooth address (serial number of the interface)<br>Hardware version, here "1"<br>Software version, here "8424"<br>Production date and code (coded)<br>Configurations defined in the interface |

## Changing the configuration (PTT)

### This requires:

- PC with Internet connection
- Removable USB device with at least 4 MB memory (FAT16 or FAT32 formatting)
- ZIP software to unzip the configuration files

### Loading a configuration file\*

The Bluetooth USB interface features a factory set standard configuration that allows safe operation with as many commercial Blaupunkt radios and radio navigation systems as possible. For compatibility reasons, advanced functions and setting options had to be deactivated for this purpose.

If you should own one of the devices featured in the list "Which configuration fits my device combination" (see [www.blaupunkt.com](http://www.blaupunkt.com)), you can activate the hidden functions and setting options of the Bluetooth USB interface and to adjust more closely to your personal needs.

You can change this and other settings also in a personal configuration file, see Chapter "Configuniversal.txt".

## The following configurations are available

### Basic = factory setting

This file resets your Bluetooth USB interface to the basic setting. The configuration of the interface then corresponds to the factory setting at the time of delivery (max. 9 playlists and directories + playlist no. 10 with all the remaining MP3 songs, max. 99 tracks per playlist or directory, no phone lists and track display on the radio).

### TXT = Basic + TextMode\*

This configuration expands the factory setting of the interface by the display of tracks on the display of the radio (max. 9 playlists and directories + playlist or directory no. 10 with all the remaining MP3 songs, max. 99 tracks per playlist or directory, phone lists and track display on the radio).

### MD = MicroDriveMode\*

This configuration file expands the options of your Bluetooth USB interface to max. 999 own playlists and directories, max. 999 tracks per playlist or directory as well as the phone lists and track display on the radio. However, it does not offer a direct selection of the playlists via the station buttons. Changing the playlists is possible only by pressing the CD-Up/CD-Down buttons. The Display on the car sound system is limited to max. 10 CDs and max. 99 tracks and cannot be expanded by the interface.

\* Radio-dependent, see [www.blaupunkt.com](http://www.blaupunkt.com)

## Config\_universal.txt

In the download archive you will find the file "config\_universal.txt". This file includes all possible configuration settings. You can select your favorite configuration by activating (remove # in the first column) or deactivating (add # in the first column) the desired parameters.

For this, proceed as follows:

- Copy the file "config\_universal.txt" from the unpacked download archive into the Blaupunkt directory of your USB data medium.
- Rename the file in "config.txt".
- Open the "config.txt" file with a text editor, e.g. Windows Notepad.
- (De) activate the desired parameters. Remove/add # in the first column, see notes in the file.
- Store the file and close the editor.
- Deactivate the USB data medium on your PC.
- Carry out the operating steps on "Changing the configuration of your interface" described in the following.

## Preparations on your PC:

- Create a new "BLAUPUNKT" directory on the USB removable media drive.
- Load the desired Bluetooth software configuration from the download archive into the Blaupunkt directory on the USB data medium.
- Rename the file "config\_xxx.txt" in "config.txt".
- Deactivate the USB device at your computer.

## Changing the configuration in your vehicle:

- Connect the USB device with the USB cable of the interface.
- Turn on your car sound system.
- After a few seconds (max. one minute), the interface recognises the file, analyses it and stores the modified configuration in the interface.
- Switch the car sound system off and on again.
- The new configuration is now activated.

If you have **any questions**, please take a look at the **FAQ** (Frequently Asked Questions) under

[http://blaupunkt.com/de/infoservices\\_3.asp](http://blaupunkt.com/de/infoservices_3.asp)

or contact the **Blaupunkt Hotline +49 (180) 5000 225** (0.14 EUR/min from the German PSTN; for cell phone rates, please contact your provider)

**Additional notes about the USB interface are located at:**

[www.blaupunkt.de](http://www.blaupunkt.de)

Subject to change!

## FCC-Statements

All following FCC statements are valid for the Industry Canada Standard (IC) as well.

### 1. General

**Interference Warning:** (according to FCC part 15.19)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1.(1) this device may not cause harmful interference, and
- 2.(2) this device must accept any interference received, including interference that may cause undesired operation

**Caution:** (pertaining to FCC part 15.21)

Modifications not expressly approved by this company could void the user's authority to operate the equipment

### 2. Specific Part 15.105

**Information to the user:**

#### 2.1 For Class A digital device

(A digital device that is marketed for use in a commercial, industrial or business environment, exclusive of a device which is marketed for use by the general public or is intended to be used in the home.)

**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a resi-

dential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### RF Radiation Exposure

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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



## Service numbers, Service-Nummern

| <b>Country:</b>            |       | <b>Phone:</b>   | <b>Fax:</b>      |
|----------------------------|-------|-----------------|------------------|
| Germany                    | (D)   | 0180-5000225    | 05121-49 4002    |
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