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# CONDUCTOR / PRO

One-Touch Remote Control for ACO DSPs



User Manual

# Table of contents

<b>1. General information</b> .....	25
<b>2. Installation instructions</b> .....	26
2.1 Assembling the CONDUCTOR PRO .....	26
2.2 Assembling the CONDUCTOR .....	27
2.3 Connecting the CONDUCTOR / PRO to a DSP / DSP amplifier .....	28
<b>3. Operating the CONDUCTOR / PRO</b> .....	29
3.1 Volume Control configuration (Volume menu 1 - 4) .....	31
3.2 ToneControl menu .....	32
3.3 Signal Input selection menu .....	32
3.4 Sound Setup selection menu .....	33
3.5 Bluetooth Playback Control menu .....	34
<b>4. Configuration in the DSP PC-Tool software</b> .....	35
4.1 General configuration .....	35
4.1.1 Main menu .....	35
4.1.2 Automatic switch back to main menu .....	35
4.1.3 Menu activation .....	35
4.1.4 LED brightness .....	36
4.1.5 LED Dimming .....	36
4.1.6 Installation orientation .....	36
4.2 Volume Control Configuration .....	36
4.2.1 Volume selection .....	36
4.2.2 Assigned Volume control .....	36
4.2.3 Assigned color .....	36
4.2.4 Volume control range .....	37
4.2.5 Startup Volume .....	37
4.3 ToneControl .....	37
4.4 CONDUCTOR status .....	37
4.5 Loading and resetting CONDUCTOR settings .....	38
<b>5. Default configuration</b> .....	39
<b>6. Troubleshooting</b> .....	40
7. Technical data .....	42
<b>8. Legal information</b> .....	44

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# Congratulations

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Dear Customer,

Congratulations on purchasing this high-quality control unit with RGB-LED feedback.

We developed the CONDUCTOR based on state-of-the-art engineering and this is reflected in its exceptional quality and the impressive use of sophisticated technologies.

We hope you enjoy using this product.

The

AUDIOTEC FISCHER Team

# 1. General information

To make optimal use of all the possibilities afforded by the product, please carefully read through the following installation instructions. We guarantee that the flawless condition of every device has been checked before delivery.

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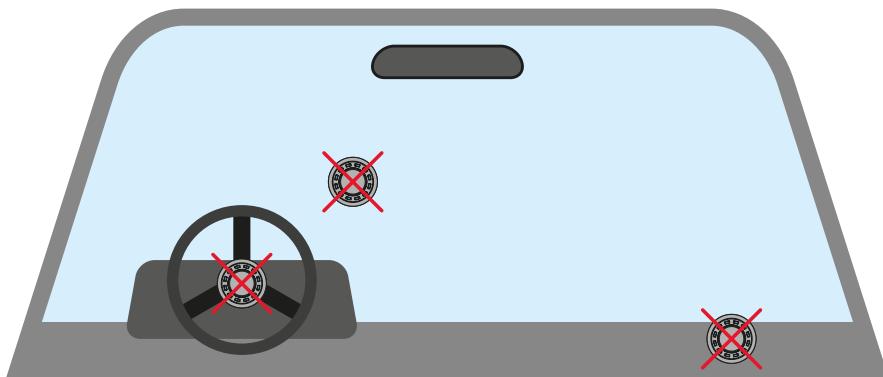
We recommend appointing a specialist to install the product, as the verification of professional installation and connection of the device is a prerequisite for the warranty services.

Install your CONDUCTOR in a dry place in the car. Do not fit the device near parts that radiate heat or near the vehicle's electronic control units.

**To protect against accidents, the CONDUCTOR must be professionally mounted so that the control unit does not pose a danger to passengers and/or the vehicle during a critical driving situation, such as emergency braking.**

Information on professional installation is provided in the "Installation instructions" chapter on the following pages.

**Important:** During assembly, make sure that none of your vehicle's safety systems (e.g. airbag) are negatively affected in their function.



- Do not mount the CONDUCTOR on an airbag cover (e.g. steering wheel, A pillar or dashboard on the passenger side)
- Do not fasten the control unit in the driver's field of vision
- Do not place the CONDUCTOR loose on the dashboard

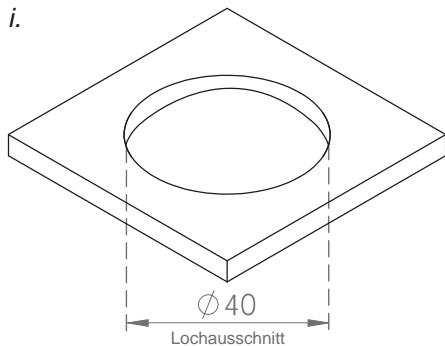
Before cutting the slot to mount the device, make sure that no electrical cables and components, etc., are concealed in the area behind it. Otherwise, these could be damaged. Please be aware that these kinds of parts may also be concealed in double-skin panelling.

The cable connections must be routed so that no risk of clamping, crushing or breakage exists. In case of sharp edges (sheet metal cutouts), all cables must be cushioned against chafing. In addition, the connecting cable must never be routed together with lines / cables for vehicle appliances (fan motors, fire detection modules, fuel lines, etc.).

## 2. Installation instructions

### 2.1 Assembling the CONDUCTOR PRO

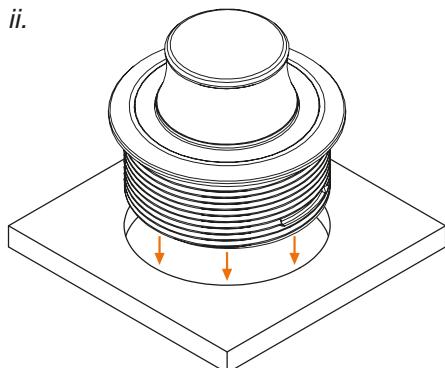
i.



#### Cutting out the mounting slot

To ensure a safe and professional assembly, the cutout must not be more than 40 mm in size. Please make sure that the space between the CONDUCTOR PRO and other parts, such as switches, control elements, etc., is adequate with a sufficient installation depth. This is particularly important if installation slots need to be cut out. All the data on the installation depth and the diameter of the CONDUCTOR PRO is provided in the technical data in these instructions. Please make sure that the contact surface is as level and stable as possible.

ii.



#### Inserting the CONDUCTOR PRO

Insert the housing evenly into the panel cutout.

**IMPORTANT:** To avoid damage, never apply pressure to the rotary knob in the center of the CONDUCTOR PRO during installation. Press only on the surrounding housing.

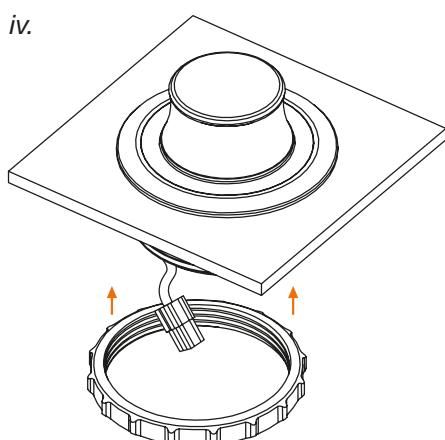
For correct alignment of the CONDUCTOR PRO, use the cable entry on the rear of the housing as a reference (see third figure on the left).

In the installed position, the cable entry must be aligned to the 12 o'clock position. If the installation situation prevents the CONDUCTOR PRO from being installed in the 12 o'clock position, it can also be rotated in 30° steps for installation. The LED display can then be adjusted to the installation position in the DSP PC-Tool software (see page 36, "Installation orientation").

iii.



iv.

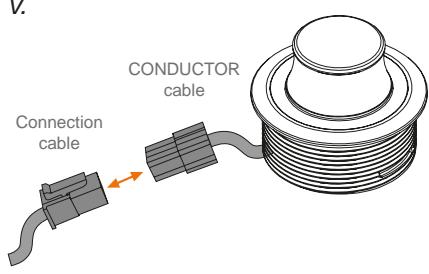


#### Securing the CONDUCTOR PRO

Once the CONDUCTOR PRO is in its final mounting position and the aluminum housing sits flush, route the 20 cm CONDUCTOR PRO cable through the mounting ring and then screw the ring onto the housing. Tighten the ring by hand.

Do not overtighten the ring, as this may cause damage to the CONDUCTOR PRO or the vehicle interior.

v.

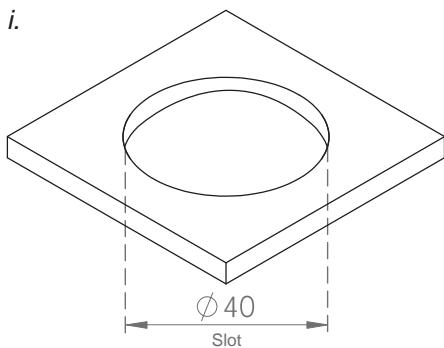


#### Routing and connecting the CONDUCTOR PRO connection cable

Route the 4.8 m connecting cable and connect it to the 20 cm CONDUCTOR PRO cable.

## 2.1 Assembling the CONDUCTOR

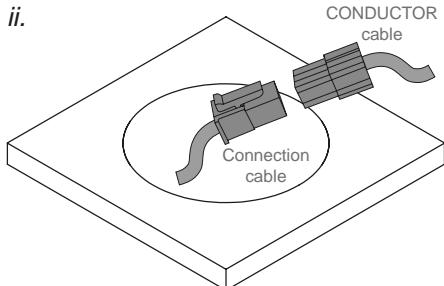
i.



### Cutting out the mounting slot

To ensure a safe and professional assembly, the cutout must not be more than 40 mm in size. Please make sure that the space between the CONDUCTOR and other parts, such as switches, control elements, etc., is adequate with a sufficient installation depth. This is particularly important if installation slots need to be cut out. All the data on the installation depth and the diameter of the CONDUCTOR is provided in the technical data in these instructions. Please make sure that the contact surface is as level and stable as possible.

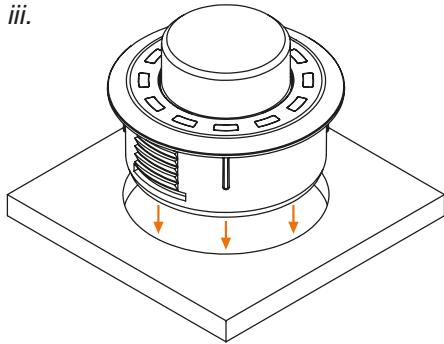
ii.



### Routing and connecting the CONDUCTOR connection cable

Route the 4.8 m connecting cable and guide it through the installation opening from the rear. Then connect the cable to the 20 cm CONDUCTOR cable.

iii.



### Inserting the CONDUCTOR

Press the housing evenly into the panel cutout.

**IMPORTANT:** To avoid damage, never push on the aluminum button in the center of the CONDUCTOR during assembly, only on the surrounding plastic housing.

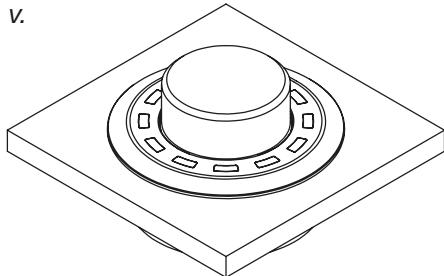
Use the 12 o'clock marking on the housing (see fourth figure on the left) as a guide to align the CONDUCTOR.

If the installation situation prevents the CONDUCTOR from being installed in the 12 o'clock position, it can also be rotated in 30° steps for installation. The LED display can then be adjusted to the installation position in the DSP PC-Tool software (see page 36, "Installation orientation").

iv.



v.



The plastic housing should lie flush once you have moved the CONDUCTOR to its final installation position.

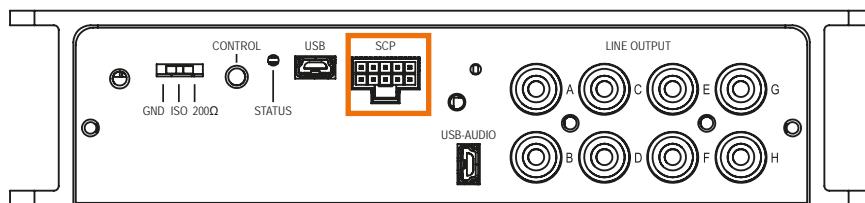
## 2. Installation instructions

### 2.3 Connecting the CONDUCTOR / PRO to a DSP / DSP amplifier

#### 1. Connect the CONDUCTOR connection cable to the DSP / DSP amplifier

##### 1.1 DSP / DSP amplifier with SCP (Smart Control Port)

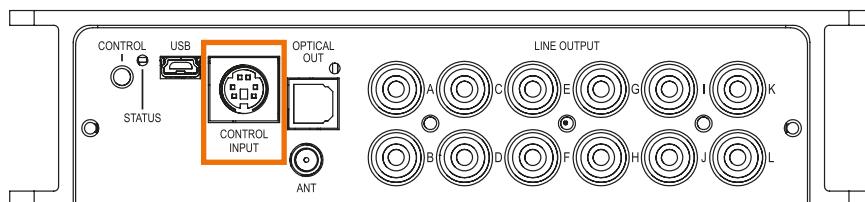
Insert the SCP connector of the CONDUCTOR connection cable into the multifunction port (SCP) of the DSP / DSP amplifier.



Note: If your CONDUCTOR is not equipped with a SCP connector ("for Control Input" version), an SCP-to-Control Input adaptor (art. no. M141313) is optionally available from your authorized dealer.

##### 1.2 DSP / DSP amplifier with Control Input (only CONDUCTOR for Control Input)

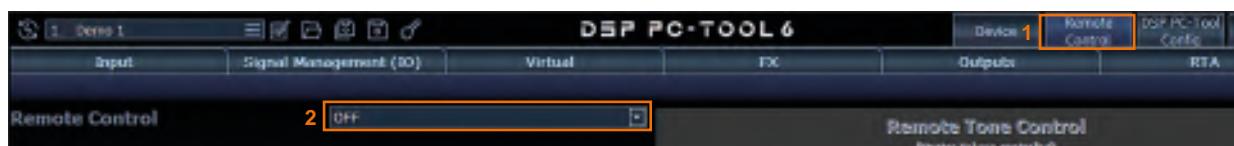
If your DSP device is still equipped with a Control Input, insert the round connector of the CONDUCTOR connection cable into the multifunction port (Control Input) of the DSP / DSP amplifier.



Turn your sound system on and then start the DSP PC-Tool software. You can find the software at [www.audiotec-fischer.de/dsp-pc-tool](http://www.audiotec-fischer.de/dsp-pc-tool) (compatible from DSP PC-Tool software version 5).

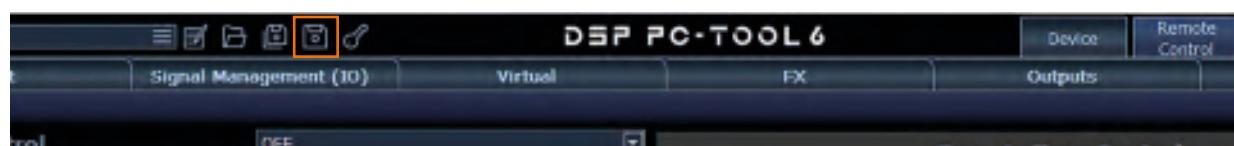
Power is supplied to the CONDUCTOR / PRO via the DSP and it is switched on automatically.

#### 2. Open the „Remote Control“ menu (1) in the DSP PC-Tool. There (2), select the CONDUCTOR / PRO to open its configuration menu.



#### 3. You can now change other CONDUCTOR / PRO settings. More information on the configuration is provided on page 35 et seq., "Configuration in the DSP PC-Tool software".

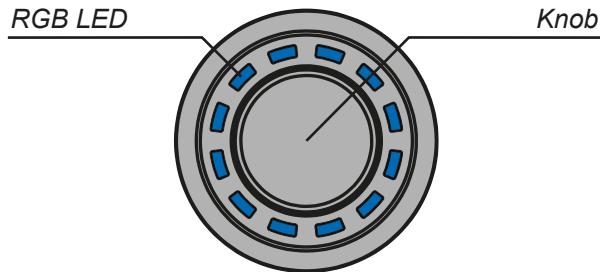
#### 4. To complete the process, save the settings and the activation of the CONDUCTOR / PRO in the DSP / DSP amplifier by clicking on the "Save" button in the DSP PC-Tool.



### 3. Operating the CONDUCTOR / PRO

The CONDUCTOR is operated by turning and pressing the knob. The LED lighting provides feedback on the selected menu and the action performed.

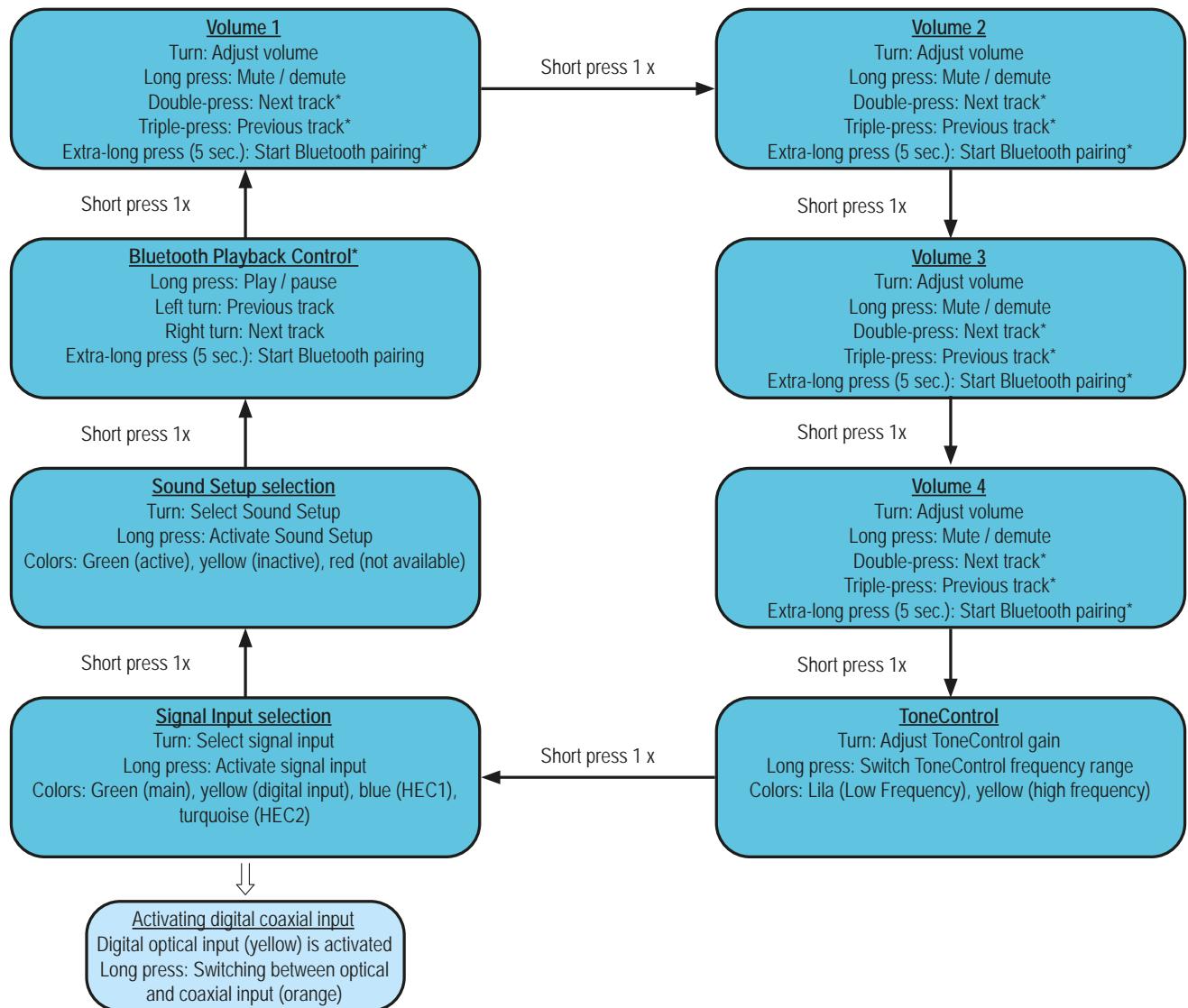
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You can switch between the various menus by briefly pressing the button. The volume and the available menu options are selected by turning the knob. Pressing and holding the button confirms the selection or mutes the selected volume. In addition, if a Bluetooth module (BT Extension Card) is installed, the “Next track” function can be enabled by double-press and the “Previous track” function is enabled by triple-press in every volume menu. Further information on the functions and the LED feedback in a menu is provided on the following pages.

**Note:** If a menu or a volume is not enabled in the DSP PC-Tool, the next active menu or active volume is selected.

### 3. Operating the CONDUCTOR / PRO



**Note:** Menu navigation is cyclic. The menu sequence begins in the present menu.

### 3.1 Volume Control Configuration (Volume menu 1 - 4)

The four volume menus let you separately control up to 4 different volumes (master, digital, HEC/AUX, subwoofer volume, Rear Attenuation, etc.). These can be set as described under point 4.2 "Volume Control Configuration" on page 36.

The volume menus are restored to the most recently set values after restarting the system. If the "Startup volume" option (see page 37, point 4.2.5) has been configured, the volume is switched back on at the maximum set limit level, if this was exceeded when the device was switched off.

If a volume is turned down completely, the volume is muted independent of the set range.

#### Actions:

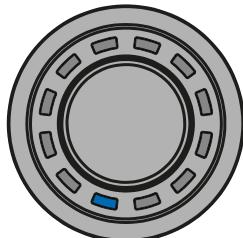
- Turn: Set volume level
- Long press: Mute / demute
- Double-press: Next track\*
- Triple-press: Previous track\*
- Extra-long press (5 sec.): Start Bluetooth pairing\*

#### LED feedback:

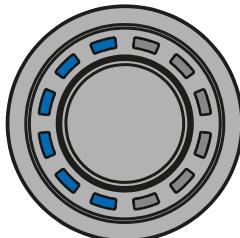
The set volume level is displayed by the bottom-left LEDs in a clockwise direction in the color assigned for the volume.

Muting (long press) is signaled by a single rotating LED.

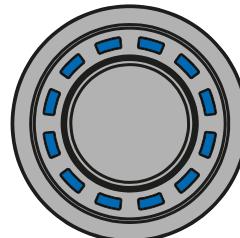
Changing the volume when muted cancels the muting.



Minimum volume



50 % volume



Maximum volume

### 3.2 ToneControl menu

The ToneControl menu allows you to adjust the sound using a high and low shelf filter. The volume can be changed in the range from -6 dB to +6 dB, allowing you to boost or cut the highs and lows as desired.

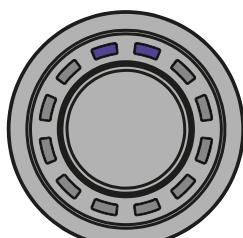
The frequencies for the high and low shelf filters can be defined individually in the DSP PC-Tool software (see page 37, point 4.3).

#### Actions:

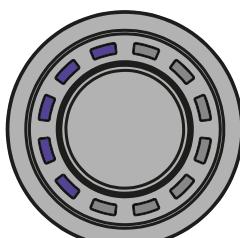
- Turn: Adjust ToneControl gain
- Long press: Switch ToneControl frequency range (High Frequency / Low Frequency)

#### LED feedback:

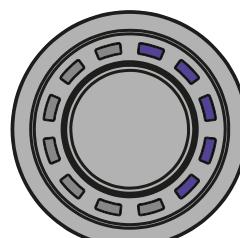
- Lila: Low Frequency
- Yyellow: High Frequency



0 dB



-6 dB



+6 dB

### 3. Operating the CONDUCTOR / PRO

#### 3.3 Signal Input selection menu

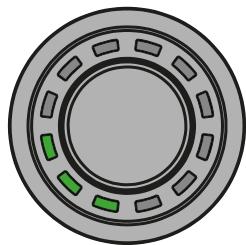
The "Signal Input selection" menu lets you switch between the signal sources connected to the DSP / DSP amplifier. The menu starts with the currently selected or most recently active input.

##### Actions:

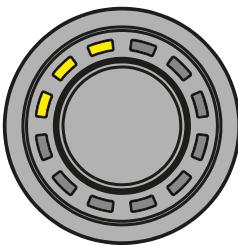
Turn: Select signal input  
Long press: Activate signal input

##### LED feedback:

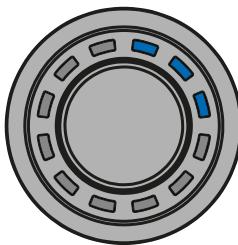
Green: Main input  
Yellow: Digital optical input  
Orange: Digital coaxial input (Input can only be selected when the optical digital input is activated / see below)  
Blue: Extension Card 1 (HEC1)  
Turquoise: Extension Card 2 (HEC2 – only BRAX DSP)



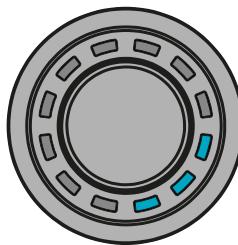
Main input



Digital optical input

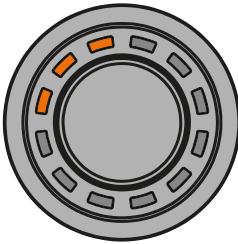


HEC1



HEC2

With digital input activated,  
press long to switch  
between optical and coaxial  
input



Digital coaxial input

**Note:** The CONDUCTOR automatically detects the signal inputs of the connected DSP / DSP amplifier. Only the available signal inputs can be selected. All other inputs are not displayed by LED feedback and cannot be selected.

### 3.4 Sound Setup selection menu

The “Sound Setup selection” menu lets you switch between the DSP’s up to 10 Sound Setups. The menu starts with the currently selected or most recently active Sound Setup.

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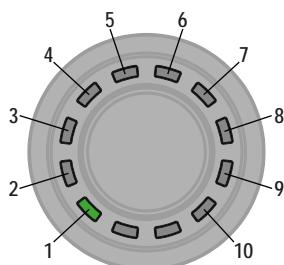
#### Actions:

Turn: Select Sound Setup  
Long press: Activate Sound Setup

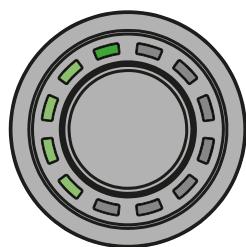
#### LED feedback:

Green: Sound Setup active  
Yellow: Sound Setup memory space occupied, setup inactive  
Red: Sound Setup memory space empty, cannot be selected

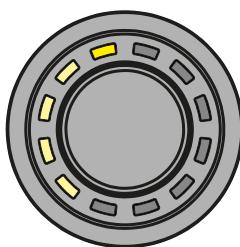
You can use the CONDUCTOR to select and enable the DSP’s 10 Sound Setup memory spaces. The memory spaces are displayed as follows:



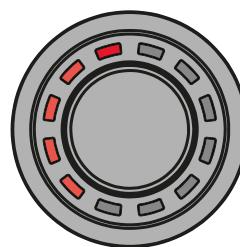
Examples of the LED feedback in the “Sound Setup selection” menu:



Sound Setup no. 5 enabled



Sound Setup no. 5 available – can be enabled by holding down the button



Sound Setup no. 5 not occupied and can also not be selected

### 3. Operating the CONDUCTOR / PRO

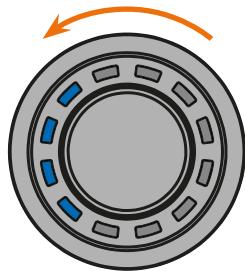
#### 3.5 Bluetooth Playback Control menu\*

The "Bluetooth Playback Control" menu lets you control an optionally installed Bluetooth module (play / pause, next / previous track, enable pairing mode). The menu always starts with the play / pause function (four top LEDs lit).

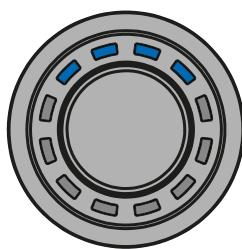
##### Actions:

- |                            |                                   |
|----------------------------|-----------------------------------|
| Turn:                      | Perform action automatically      |
| Left turn:                 | Counter-clockwise: Previous track |
| Right turn:                | Clockwise: Next track             |
| Long press:                | Play / pause                      |
| Extra-long press (5 sec.): | Start Bluetooth pairing           |

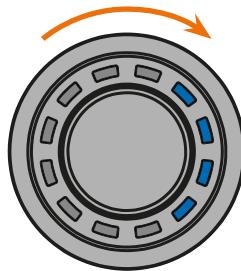
##### LED feedback:



Previous track



Play / pause by a long press of the button



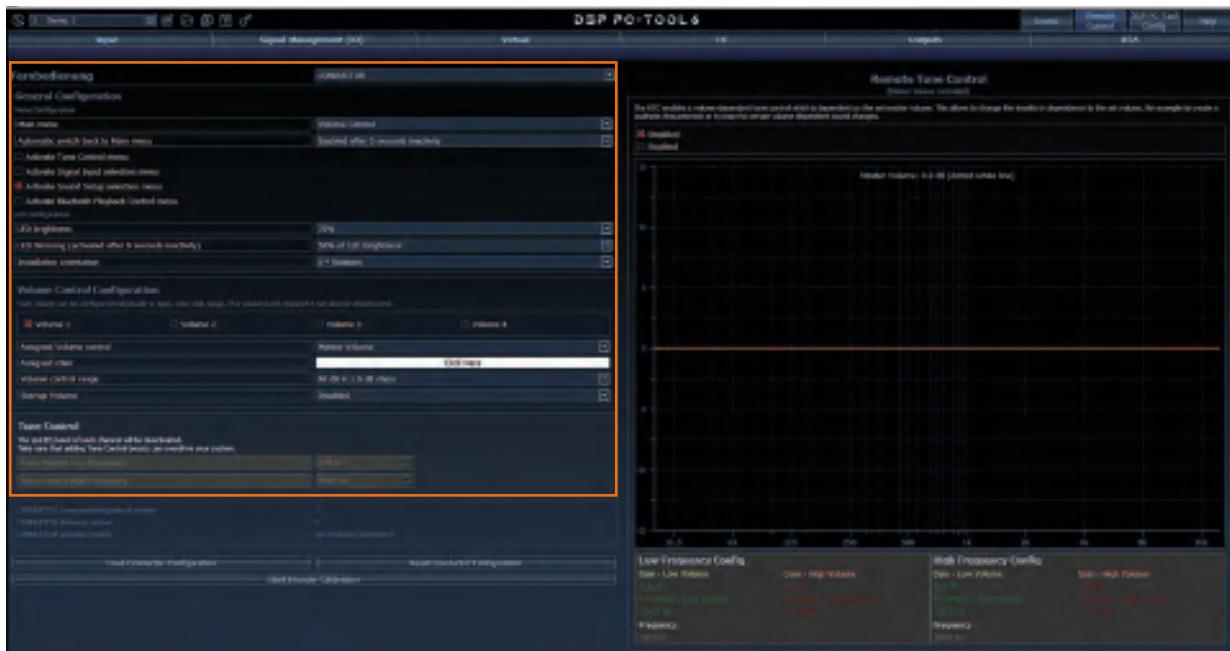
Next track

## 4. Configuration in the DSP PC-Tool software

### Overview of the configuration menu

The configuration menu is located in the “Remote Control” menu of the DSP PC-Tool software. However, the menu is only visible if you have selected the CONDUCTOR / PRO as described on page 28.

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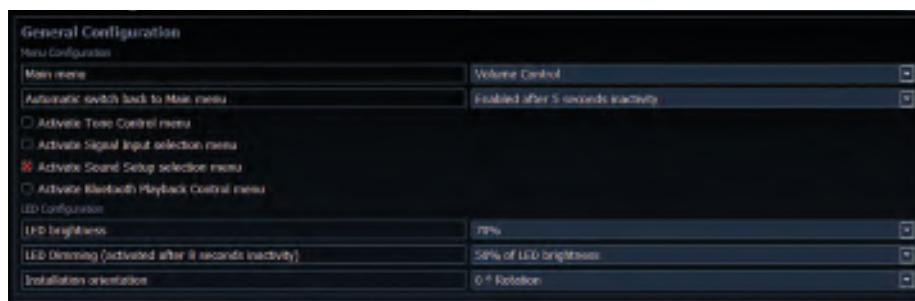


All CONDUCTOR settings are changed in the configuration menu.

The menu is divided into the “General Configuration”, “Volume Control Configuration” and “Status” area.

#### 4.1 General Configuration

The “General Configuration” area is used for all the basic Menu Configuration and LED display (LED Configuration) settings.



##### 4.1.1 Main menu

This is where the CONDUCTOR’s start menu, which is accessed immediately after the DSP is switched on, is defined.

Volume Control, Signal Input selection, Sound Setup selection and Bluetooth Playback Control menu are available for selection.

##### 4.1.2 Automatic switch back to main menu

If the function is enabled, the CONDUCTOR switches back to the set “Main menu” after around 5 seconds, if another menu was previously selected. If the function is disabled, the currently selected menu remains selected until it is manually changed by briefly pressing the button.

##### 4.1.3 Menu activation

This lets you enable and disable the volume controls as well as other menus. If a menu is disabled, it cannot be selected by the CONDUCTOR.

## 4. Configuration in the DSP PC Tool software

**Note:** The “Volume Menu” is always enabled and can only be switched off by disabling all four volumes in the “Volume Control Configuration” (see point 4.2).

An enabled menu can be recognized by a red cross in front of the menu name. 

**Note:** The start menu set in the “Main menu” is automatically enabled.

### 4.1.4 LED brightness

This lets you set the brightness of the LED lighting. This is set to 70 % by default.

### 4.1.5 LED Dimming

This menu lets you configure the optional dimming of the LEDs. When this function is enabled, the LEDs are automatically dimmed by the configured value or switched off completely after 8 seconds of inactivity.

5 % - 75 % of LED brightness: The LEDs are dimmed by the set percentage based on the set LED brightness. A dimming level of 50 % is set by default. The selection range may be restricted depending on the set brightness of the LED lighting (LED brightness).

Example: LED brightness 50 %, LED dimming 50 %

The set LED brightness of 50 % is now dimmed by an additional 50 %.

Disabled: Switches the “LED dimming” off.

LEDs off: Switches the LED lighting off completely.

### 4.1.6 Installation orientation

If the installation situation prevents the CONDUCTOR from being installed in the 12 o'clock position, it can also be rotated in 30° steps for installation. The LED display can then be adapted to the installation position in the DSP PC-Tool software (see page 26 - 27, “Assembling the CONDUCTOR”).

## 4.2 Volume Control Configuration

This lets you individually configure up to four selectable volumes. Any volume that is not required can also be disabled.

**Note:** If all four volumes are disabled, the entire “Volume Control” menu is disabled.



### 4.2.1 Volume selection

This is where the volume to be configured can be selected. The red cross indicates which of the four volumes is being configured. 

### 4.2.2 Assigned Volume control

This is where a volume control can be assigned to the previously selected volume. The selection may vary depending on the DSP product.

Disabled: Switches the selected volume off

Master Volume: Volume control for the global master volume

Subwoofer Volume: Volume control for the subwoofer

Digital Input Volume: Volume for the digital input (optical and electric)

HEC/AUX 1 Volume: Volume for an optionally installed Extension Card or an AUX input

HEC/AUX 2 Volume: Volume for an optionally installed Extension Card or an AUX input (only BRAK DSP)

Rear Attenuation Volume: For DSP products with VCP, the volume of the virtual channels “Rear L Full” and “Rear R Full” can be controlled separately when Virtual Channel Processing is enabled.

### 4.2.3 Assigned color

This is where an individual color can be assigned to every volume in order to quickly and easily distinguish between different volumes.

All other menus have fixed color concepts.

#### 4.2.4 Volume control range

For each of the four volumes, the gradation of the volume control can be set separately for the relevant application.

**60 dB in 1.0 dB steps:** This is the optimal setting for most applications. The large control range and good gradation makes it particularly suitable for the master and source volumes (HEC / AUX / Digital Input).

**60 dB in 0.5 dB steps:** The fine individual steps enables a very precise volume setting.

**24 dB in 0.5 dB steps:** This setting provides a smaller control range, making it particularly suitable for the Rear Attenuation volume, as this volume often only requires a minor adjustment to the rendition.

**12 dB in 0.5 dB steps:** This setting provides a smaller control range, making it particularly suitable for the subwoofer volume, as this volume often only require a minor adjustment to the rendition.

#### 4.2.5 Startup Volume

This lets you limit the startup volume. If this option is “Disabled”, the most recently set volume is always restored when the system is switched on. To prevent the system from being switched on at an excessive volume, this area lets you limit the maximum “Startup Volume”. This limitation only applies for the startup process and has no influence on the maximum adjustable volume during operation.

*Example:* If the sound system is switched off while the master volume is turned all the way up, the system will also use this volume when it is next switched on if “Startup Volume” is not activated. Using “Startup Volume” lowers the volume to the set value when switching the system back on, if the volume previously set was higher. If the system is switched off at a lower level, the lower volume is used when the system is switched back on regardless of which option is selected here.

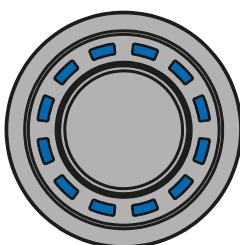
**Disabled:** The volume is always set to the most recently used value when the system is switched back on.

**Limited to -15 dB:** The volume is set to maximum -15 dB (max. 3/4 of the total volume range) when the system is switched back on, if the volume exceeded the value when it was switched off.

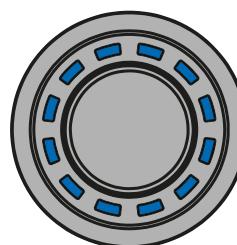
**Limited to -30 dB:** The volume is set to maximum -30 dB (max. half of the total volume range) when the system is switched back on, if the volume exceeded the value when it was switched off.

**Limited to -45 dB:** The volume is set to maximum -45 dB (max. 1/4 of the total volume range) when the system is switched back on, if the volume exceeded the value when it was switched off.

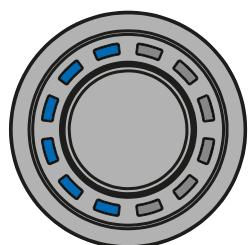
*Application example at 100 % volume level:*



Volume level before  
switch off (100 %)



Disabled –  
Volume after switch  
back on (100 %)



Limited to -30 dB –  
Volume after switch  
back on (50 %)

#### 4.3 ToneControl

In this menu, the frequency ranges in which the volume boost or attenuation is applied can be defined. The gain control range is from -6 dB to +6 dB and cannot be changed.

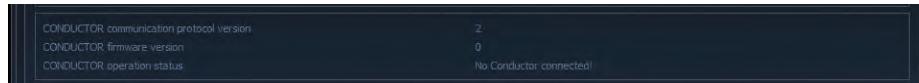
To make adjustments, the menu must first be enabled in the Menu Activation section (see page 35, section 4.1.3).



## 4. Configuration in the DSP PC Tool software

### 4.4 CONDUCTOR status

This is where all important information on the CONDUCTOR's status can be found.



CONDUCTOR communication protocol version: Shows the current version of the communication protocol.

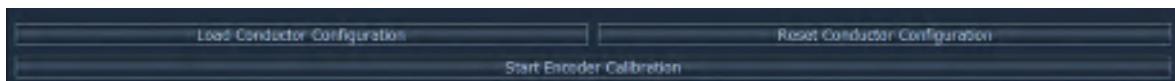
CONDUCTOR firmware version: Shows the currently installed CONDUCTOR firmware. The firmware is automatically updated when opening the DSP PC-Tool software.

CONDUCTOR operation status: Shows the CONDUCTOR's operation status.

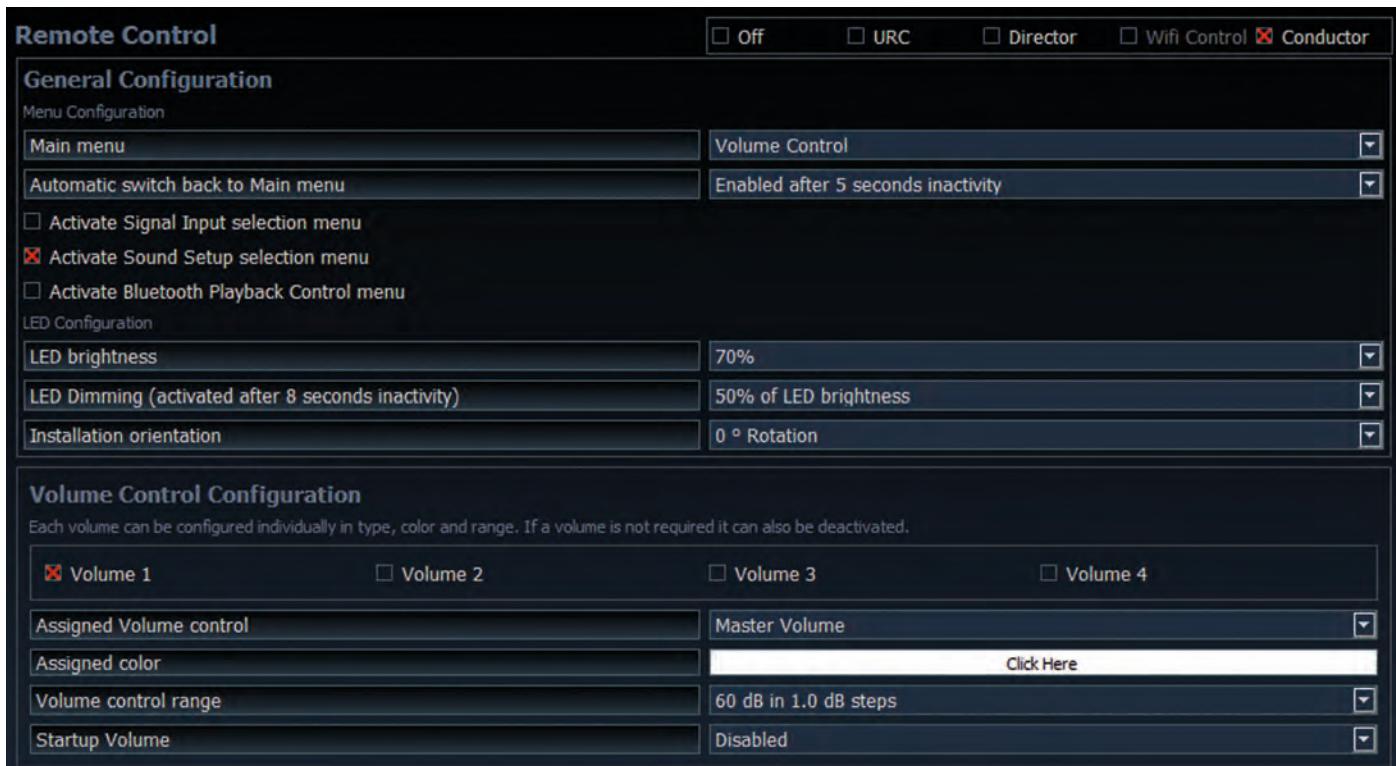
### 4.5 Loading and resetting CONDUCTOR settings

At this point, configuration settings of a CONDUCTOR can be imported into DSP PC-Tool 6 from older DSP PC-Tool versions (4.75a to 5) using a CONDUCTOR configuration file ("afcc" file).

In addition, the entire configuration can be reset to the factory default settings.



## 5. Default configuration



The screenshot shows the 'Remote Control' configuration interface. At the top, there are checkboxes for Off, URC, Director, Wifi Control, and Conductor, with 'Conductor' checked. The 'General Configuration' section includes settings for Main menu (Volume Control, Enabled after 5 seconds inactivity), Signal Input selection menu (disabled), Sound Setup selection menu (enabled), and Bluetooth Playback Control menu (disabled). The 'LED Configuration' section shows LED brightness at 70%, LED Dimming (50% of LED brightness, activated after 8 seconds inactivity), and Installation orientation at 0 ° Rotation. The 'Volume Control Configuration' section shows Volume 1 (Master Volume, Click Here, 60 dB in 1.0 dB steps, Enabled) as the active volume, while Volume 2 is inactive.

The following options are configured in the as-delivered condition:

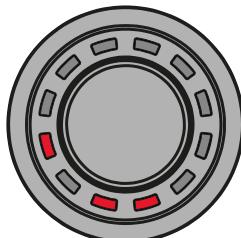
- Main menu: Volume Control → The CONDUCTOR always starts with the selected Master Volume.
- Automatic switch back to main menu: Enabled → The CONDUCTOR automatically switches back to the Master Volume menu after 5 seconds of inactivity.
- Only the “Sound Setup selection” menu is enabled by default, which lets you switch between the different DSP memory spaces. The “Signal Input selection” menu as well as the “Bluetooth Playback Control” menu are disabled by default. This means that two “Volume Control” menus (master and subwoofer volume) as well as the “Sound Setup selection” menu are active in the as-delivered condition.
- LED brightness: 70 % → The default brightness is 70% of the maximum brightness.
- LED dimming: 50 % of LED brightness → The brightness is reduced by 50 % after 8 seconds of inactivity.
- Installation orientation: 0 ° rotation → The rotation is set to off by default, so the conductor's locking notch is in the 12 o'clock position.
- Volume 1 → This volume is configured as the “Master Volume” by default. The volume is white and has a control range of 60 dB, which can be controlled in 1 dB steps. The “Startup Volume” is disabled by default, meaning that the previously set volume is used whenever the system is restarted.
- Volume 2 → This volume is configured as the “Subwoofer Volume” by default. The volume is red and has a control range of 24 dB, which can be controlled in 0.5 dB steps. The “Startup Volume” is disabled by default, since this function is not needed for the “Subwoofer Volume”.

## 6. Troubleshooting

### Problem: CONDUCTOR is displaying an error code

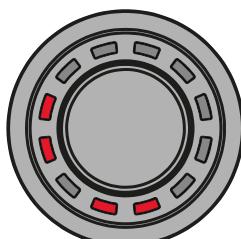
If a problem occurs when establishing a connection, the CONDUCTOR displays various error codes.

#### Error code 1:



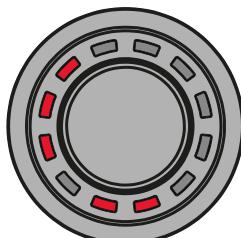
- Cause: The connected device is not supported. The CONDUCTOR is only compatible with devices that are equipped with the ACO platform.  
There may also be an interruption in the supply line, which prevents a connection between the DSP and CONDUCTOR.
- Solution: Please check the cable and the plug connection to ensure that everything is connected correctly.

#### Error code 2:



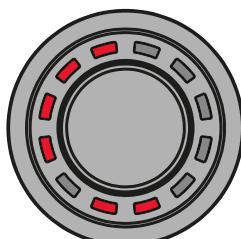
- Cause: The CONDUCTOR software is not current and requires an update.
- Solution: Connect your DSP / DSP amplifier to a PC and start the latest DSP PC-Tool software. The CONDUCTOR is then updated automatically.

#### Error code 3:



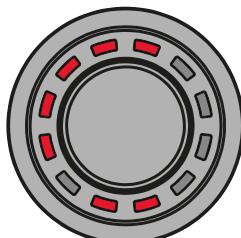
- Cause: The ACO platform of the DSP / DSP amplifier is not current and requires an update.
- Solution: Connect your DSP / DSP amplifier to a PC and start the latest DSP PC-Tool software. The ACO update then starts automatically.

#### Error code 4:

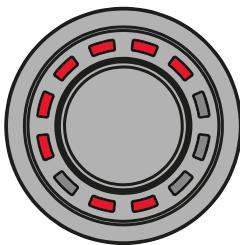


- Cause: The CONDUCTOR is not enabled in the DSP / DSP amplifier.
- Solution: Enable the CONDUCTOR as described on page 28 in the Chapter 2.3 "Connecting the CONDUCTOR to a DSP / DSP amplifier".

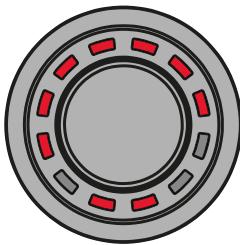
#### Error code 5:



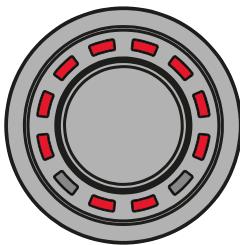
- Cause: Repeated transmission errors have occurred between the CONDUCTOR and the DSP / DSP amplifier's ACO platform.
- Solution: Check the cable for damage and tight fit of the plug connector.

**Error code 6:**

Cause: DSP in the signal processor / DSP amplifier is not started.  
 Solution: Connect your DSP / DSP amplifier to a PC and start the latest DSP PC-Tool software. Update the software of the DSP with the latest DSP PC-Tool.

**Fehlercode 7:**

Cause: The connected device is in Protection Mode.  
 Solution: Fix the cause of the Protection Mode. Further information can be found in the respective manual of the DSP / DSP amplifier under the point "Satuts LED".

**Error code 8:**

Cause: An unknown error has occurred.  
 Solution: Check all plug connections and use the latest version of the DSP PC-Tool.

**Problem: CONDUCTOR does not turn on**

Possible cause: Faulty plug connection.  
 Solution: Check the tight fit of the plug connector.

**Problem: LED lighting off**

Possible cause: The "LED Dimming" setting is configured to "LEDs off", which will turn off the illumination after 8 seconds of inactivity. If this is not the case, check the wiring.  
 Solution: Enable the LED feedback rendition as described on page 36 in point 4.1.5 "LED Dimming".

**Problem: No sound**

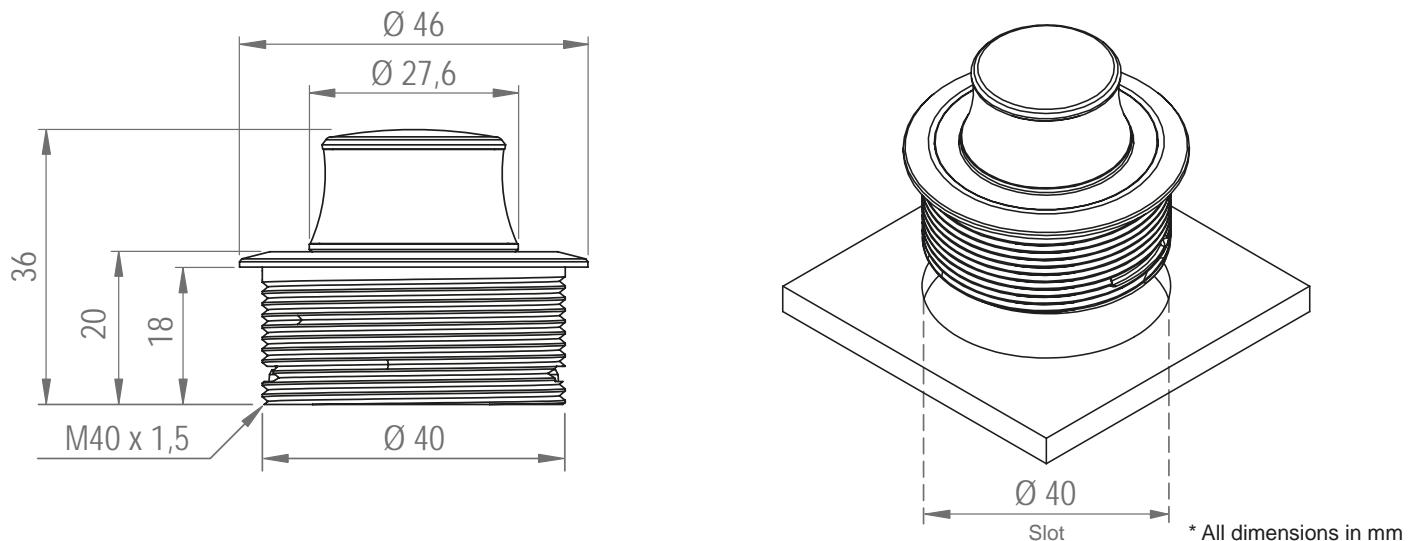
Possible cause: Volume set too low; mute activated; incorrect input source.  
 Solution: Check volume level of Volumes 1 - 4 and whether they have been activated in the DSP PC-Tool; disable mute (muting is signalled by a single rotating LED / demuting: The knob must be pressed for a long time or turned when the volume menu is selected); change input source.

**Problem: No connection with compatible device possible**

Possible cause: Transmission problem to the DSP; incompatible software versions.  
 Solution: Check the tight fit of the CONDUCTOR plug connector; update the CONDUCTOR and ACO software with the current DSP PC-Tool.

## 7. Technical data

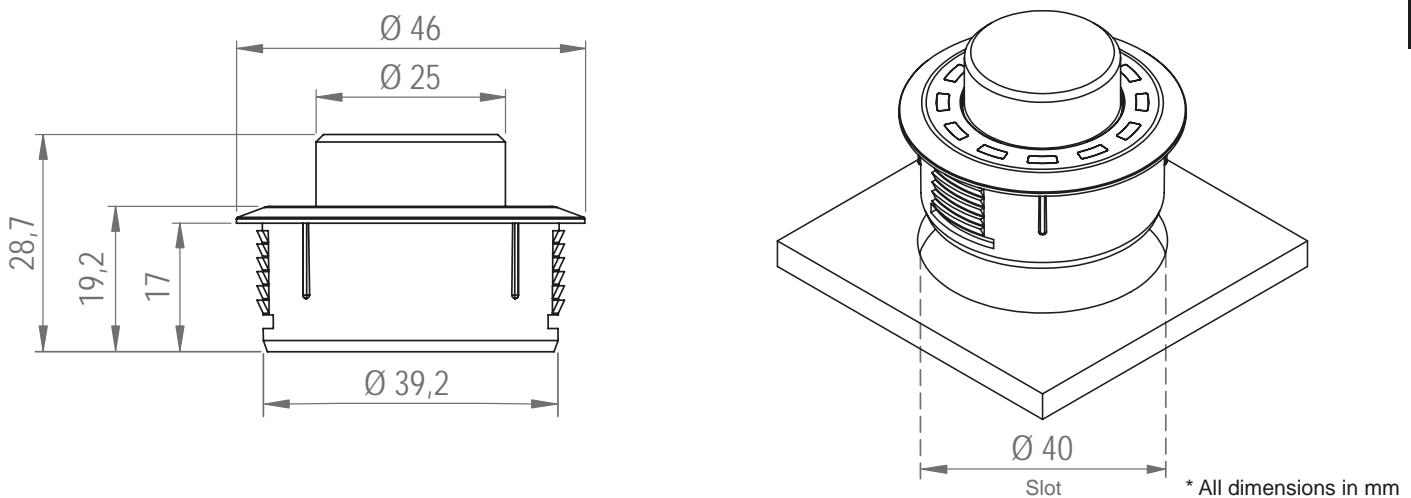
### CONDUCTOR PRO



<b>Housing</b>	Aluminum housing with ergonomic rotary knob with rubber-touch surface on the side
<b>Hardware</b>	Rotary encoder, 12x RGB LEDs and 48 MHz ARM processor
<b>Connection</b>	SCP (Smart Control Port) / no separate power supply required
<b>Cable length</b>	5 m – disconnectable, 4.8 m connecting cable + 0.2 m CONDUCTOR PRO cable
<b>Dimensions (Ø x H)</b>	Ø 46 x 36 mm
<b>Installation depth</b>	18 mm / 0.71"
<b>Compatibility</b>	The CONDUCTOR is exclusively intended for BRAX, HELIX and MATCH DSPs / DSP amplifiers with ACO (Advanced CoProcessor) and SCP (Smart Control Port). A current compatibility overview is available at <a href="http://www.audiotec-fischer.de/conductor-pro">www.audiotec-fischer.de/conductor-pro</a>
<b>DSP PC Tool compatibility</b>	Version 5 and higher

## CONDUCTOR

en



<b>Housing</b>	ABS housing with brushed aluminum button
<b>Hardware</b>	Rotary encoder, 12x RGB LEDs and 48 MHz ARM processor
<b>Connection</b>	SCP (Smart Control Port) or Control Input / no separate power supply required
<b>Cable length</b>	5 m – disconnectable, 4.8 m connecting cable + 0.2 m CONDUCTOR cable
<b>Dimensions (Ø x H)</b>	Ø 46 x 28.7 mm
<b>Installation depth</b>	17 mm / 0.67"
<b>Compatibility</b>	The CONDUCTOR is exclusively intended for BRAK, HELIX and MATCH DSPs / DSP amplifiers with ACO (Advanced CoProcessor). A current compatibility overview is available at <a href="http://www.audiotec-fischer.de/conductor">www.audiotec-fischer.de/conductor</a>
<b>DSP PC Tool compatibility</b>	Version 4.75a and higher

## 8. Legal information

### Warranty disclaimer

The warranty service is based on the statutory regulations. Defects and damage caused by overload or improper handling are excluded from the warranty service. Any return can only take place following prior consultation, in the original packaging together with a detailed description of the error and a valid proof of purchase.

Technical modifications, misprints and errors excepted! For damages on the vehicle and the device, caused by handling errors of the device, we can't assume liability.

### Trademarks



The *Bluetooth*<sup>®</sup> word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Audiotec Fischer GmbH is under license. Other trademarks and trade names are those of their respective owners

### Correct disposal of this product



This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Follow local rules and never dispose of the product with normal household waste. Correct disposal of old products helps prevent negative consequences for the environment and human health.

### Regular notes



This product has been issued a CE marking. This means that the device is certified for use in vehicles within the European Union (EU).



This product has been issued an UKCA marking. This means that the device is certified for use in vehicles within the United Kingdom.



This product has been issued an EAC marking. This means that the device is certified for use in vehicles within the Eurasian Customs Union.

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