

## VW Bus T6.1

Sound package 1 Driver's cab 65410

## Installation instructions

Status: 12.03.2024

**Art. No. 69410-82**

**JEHNERT**  
*Sound Design*  
A U T O M O T I V E

### 3-way cab system 65410 Subwoofer for mounting under Passenger seat T6.1 and amplifier

#### Packing list:

2x XE 26 - neodymium tweeter ø 26mm pre-assembled  
2x XE 80 - high-end midrange driver, ø 80mm pre-assembled  
1x mid/high module (right + left) Cover: grey or anthracite artificial leather  
2x XM 165 - Low-midrange driver „Power-Woofer“ ø 165mm  
- incl. pre-mounted adapter rings art. no. 271320-16  
2x 3-way crossover VW T6.1 2-piece - art. no. 65410  
1x Digital 5-channel amplifier High Power incl. 2.2m connection cable  
1x Subwoofer 17022 incl. 1m connection cable  
2x mounting template for A-pillar

1x Subwoofer mounting kit

- 4x mounting bracket 21.5x3x1cm
- 8x Torx 4.8 x 22 self-tapping screw
- 4x countersunk head screw M4 x 16 (hexagon)
- 4x Polystop nut M4
- 4x washer ø 12mm
- 2x felt 4cm x 40cm

1x Mounting kit mid/high module:

- 2x M 4 x 20 screw
- 4x screw M 4 x 30
- 2x screw M 4 x 40
- 2x screw M 4 x 45
- 10x washer ø 12mm
- 12x polystop nut M4
- 2x washer ø 20mm

1x woofer mounting kit:

- 4x M4 x 25 screws
- 4x washer ø 4mm
- 4x M4 polystop nut
- 8x 3.9 x 16 raised countersunk head screws

Optional, to order: Vehicle-specific radio connection cable for factory-fitted VW radio

#### Installation note:

To avoid vibration noise, secure all cable harnesses with insulating tape or similar.

#### Radio setting note:

To achieve the best sound, all settings on the radio (bass, treble, loudness, etc.) should be set to zero or neutral.



## 1. Removing the door panelling

1.1. Lower the window pane completely.



1.2. Clip out the door handle with a plastic wedge



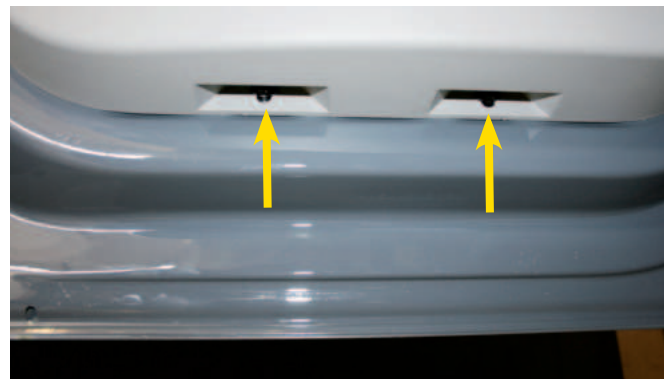
1.2. Remove the two screws from the door handle with a screwdriver



1.3. lever out Switch unit, starting at the door lock switch



1.4. Remove the screw in the centre of the door trim.



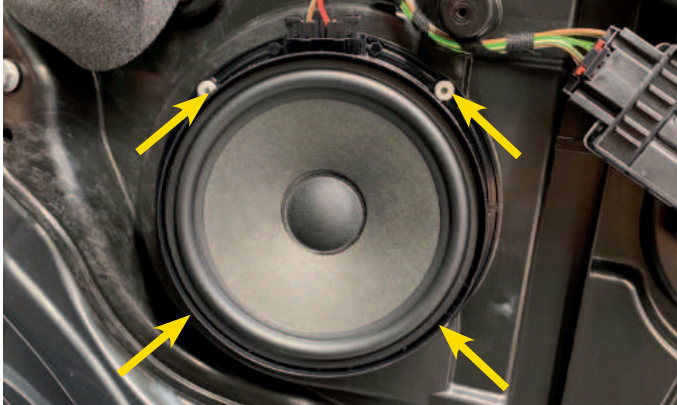
1.5. Lower edge of the door panelling:  
2x Unscrew plastic rivets

1.6. Starting from the bottom, unclip the door panelling by pulling and lifting upwards.  
(Terminal strip on the bottom edge of the window is still attached).

1.7. Unclip the door release bowden cable - pull the cable sheathing on the opening lever by 1 cm - then unhook it.

1.8. Disconnect the „alarm light, window regulator and mirror adjustment“ plug connection.

## 2. Dismantling the original woofer



1.9. Unplug the original loudspeaker connection and remove the factory-fitted woofer

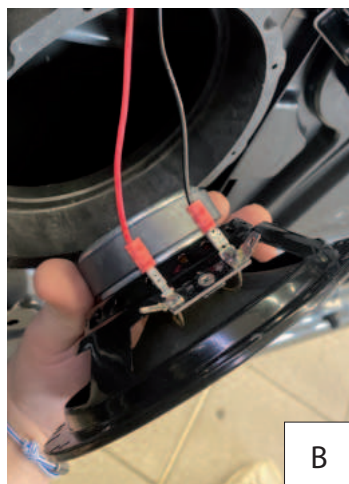
(Drill out and remove the fastening rivets

->> make absolutely sure that the pieces of metal do not fall into the inner area of the door.

Tip: Stick adhesive tape behind the rivet).

Alternatively, loosen original screws and keep for later assembly.

## 3. Woofer installation - original installation location in the vehicle doors



3.1 Fasten the mounting ring with 4x M4 x 25 screws, 4mm washers and M4 polystop nuts (Fig. A) and connect the JEHNERT loudspeaker connector to the JEHNERT loudspeaker (Fig. B)

3.2 Fasten the speaker to the mounting ring with 8x 3.9 x 16 pan-head screws and connect the original speaker connector plug to the JEHNERT speaker connector plug (Fig. C).

**ATTENTION!!!!** the cable connections of the woofer must not come into contact with the inner door panel  
--> insulate if necessary.

**To avoid vibration noise, secure all cable harnesses with insulating tape or similar.**



## 4. Insulation of vehicle doors and door panelling

### Important recommendation:

The use of woofers in the door panelling causes vibrations due to the oscillation of the bass, which can lead to rattling noises in the vehicle door:

### Measures against vibration noise:

#### 4.1. Insulation of the vehicle doors

- Cover the back of the door panelling with insulating fleece (order no. 27000) or foam or
- Stabilise the back of the door trim with stiffening compound (GRP fibre filler or similar)  
**IMPORTANT: Always leave the cut-outs for the door airbag and loudspeakers free!**
- Apply self-adhesive bitumen mats / tar mats to the \*rear side of the inside door panel (= outer door skin) bitumen mats / tar mats (example see illustration below).
- by knocking on the vehicle door, vibration noises from door mechanism parts (e.g. Bowden cables etc.) and cable harnesses and wrap them with foam / felt, foam rubber or similar.
- Cut off protruding cable ties (rattling noises!)
- Glue felt or foam under the original wiring harness

#### 4.2. Insulation on the back of the door panelling

- Cover the back of the door panelling with insulating fleece (order no. 27000) or foam or
- Stabilise the back of the door trim with stiffening compound (GRP fibre filler or similar)

**IMPORTANT: Always leave the cut-outs for the door airbag and loudspeakers free!**



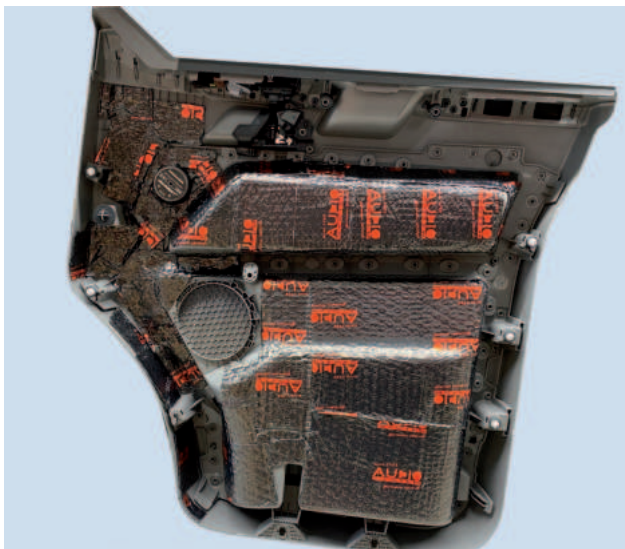
**ATTENTION / Danger !!!**

**No insulating material behind side airbags**



**IMPORTANT:**

**No insulating material behind speakers and door releases.  
Leave out the fastening clips**



*First insulation layer with aluminium butyl mats*

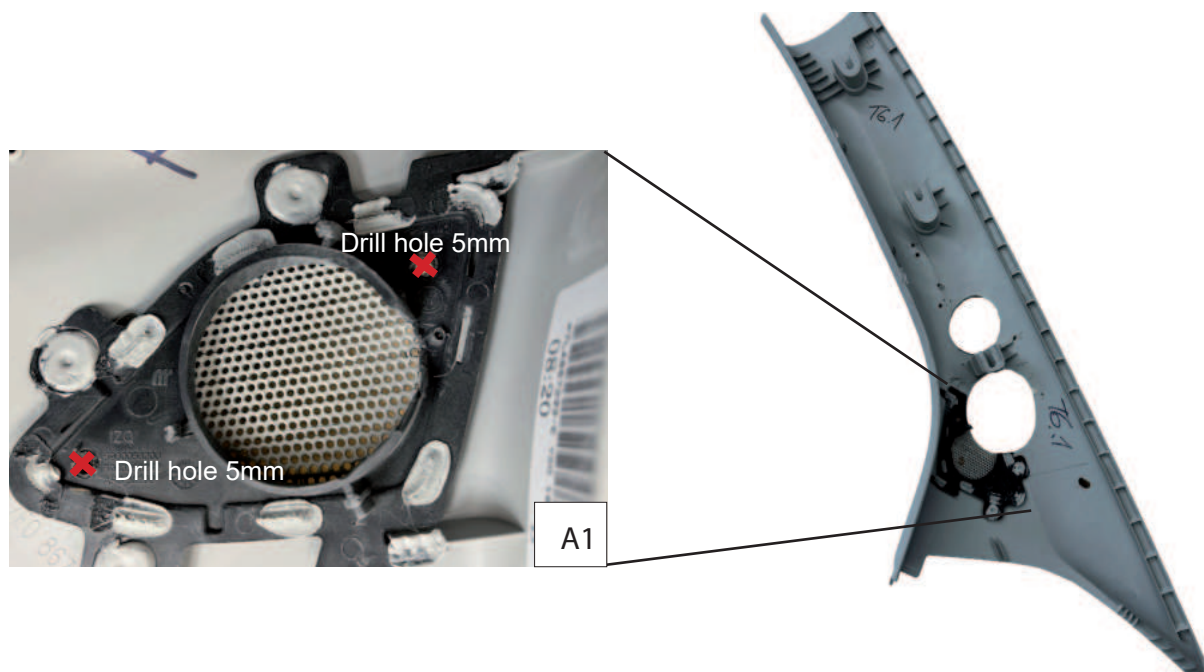


*Second insulation layer with insulating fleece mats*

## 5. Mounting the mid-high module on the A-pillar

### 5.1. Dismantling the A-pillar.

**Tip:** To protect the A-pillar against scratches, mask the surface all round with adhesive tape



6.2. Drill holes (5mm Ø) on the rear of the A-pillar as shown in Figure A1. The drilling points are on the centre of gravity of the factory tweeter attachment



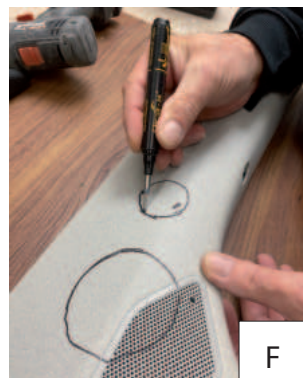
6.3. Guide the longest screw stubs through the lower holes of the moulded part and use them to align the moulded part on the A-pillar using the drill holes (see figure B). Mark the drill hole for the threaded rod (see figure C) (screws serve as a guide for the time being)



D



E



F

6.4. Pre-drill the hole for the threaded rod with a 10 mm drill bit. (see figure D)

6.5. Centre the moulded part on the A-pillar using the threaded rod and the guide screws and mark the holes for the speakers and the last screws. (see illustration E/F)



G



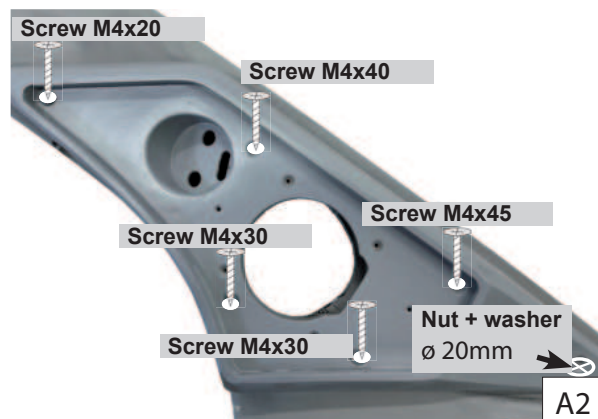
H



I

6.6. Cut out the holes for the speakers using a jigsaw, a multitool or a hole saw. (see illustration G)

6.7. Replace the moulded part; it may be necessary to make improvements to the cut-out around the tweeter cut-out. (see illustration H/I) Repeat this step until the moulded part is flush with the A-pillar.



6.8. Fix the moulded part with the screws shown in Figure A2.

ATTENTION: Screws that were used as guides are required elsewhere!



6.9. Connect the midrange and tweeter to the cross-over (red or labelled cable =)



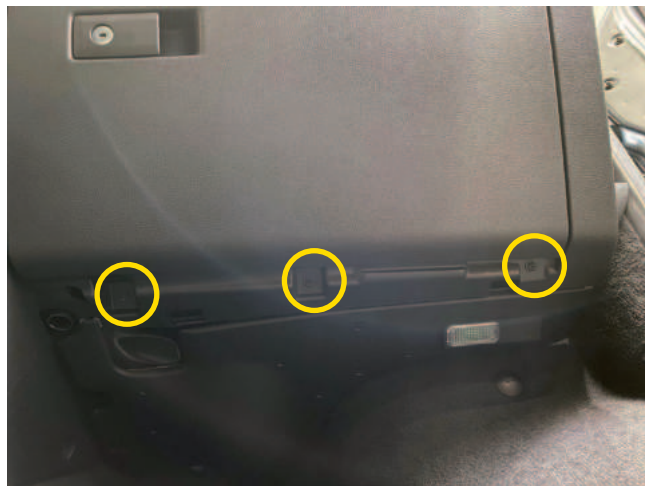
6.10. Refit the A-pillar panelling and Attach the cover panel



## 6. Dismantling the glove compartment and wiring the radio



6.1. Remove the plastic cover with a wedge and remove the panels on the sides so that the glove compartment can be removed.



6.2. Remove the lower screws from the glove compartment with a screwdriver and carefully remove the glove compartment.



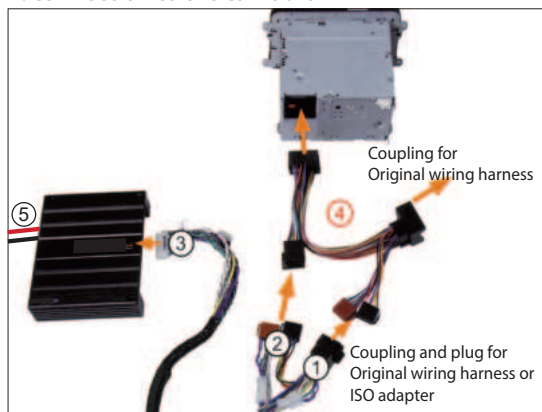
6.3. Pull the ISO cable from the amplifier to the radio and connect it.  
**You will need a radio removal kit to complete the installation!**

👉 To avoid vibration noise, secure all cable harnesses with insulating tape or similar.

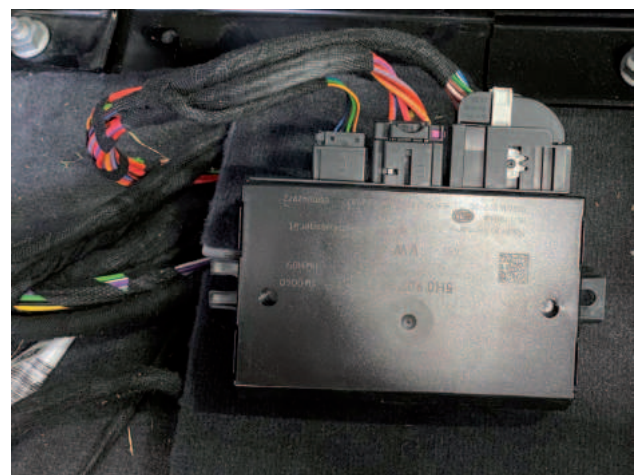
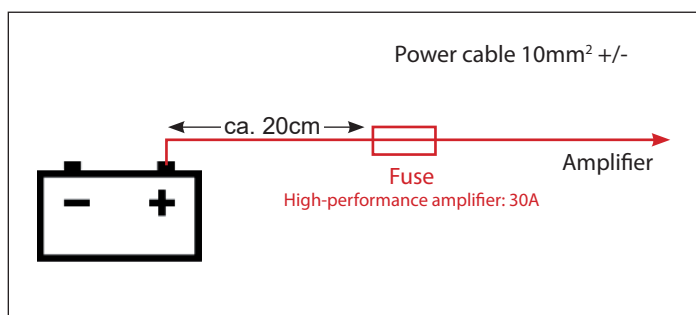
## 7. Amplifier connection

Ideally, the amplifier can be mounted on the subwoofer in the passenger seat console, see step 8.  
(However, the installation location may vary depending on the vehicle equipment and space available).

### 1. connection to the car radio



- ① ISO coupling - the wiring harness of the original radio or an ISO adapter is plugged in here.
- ② ISO plugs - these are plugged into the original radio or into the ISO adapter.
- ③ This 20-pin connector is plugged into the amplifier.
- ④ **Optional:** ISO adapter - if the ISO plugs of the supplied wiring harness do not fit the original radio, a vehicle-specific ISO adapter must be used.
- ⑤ The power connection is connected directly to the battery using a 10mm<sup>2</sup> cable - the positive lead must be fused just before the battery (30A).

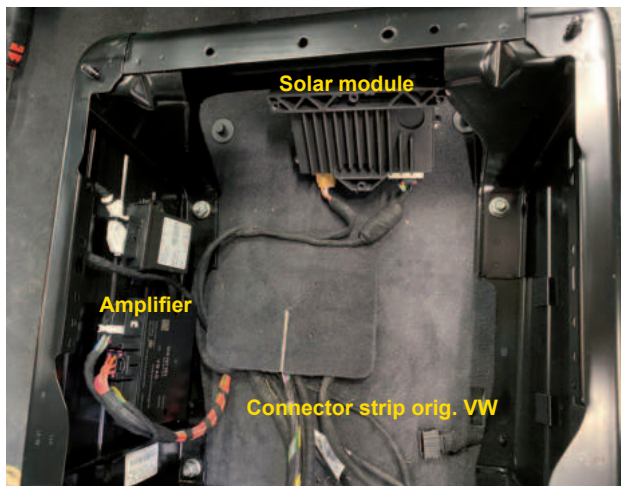




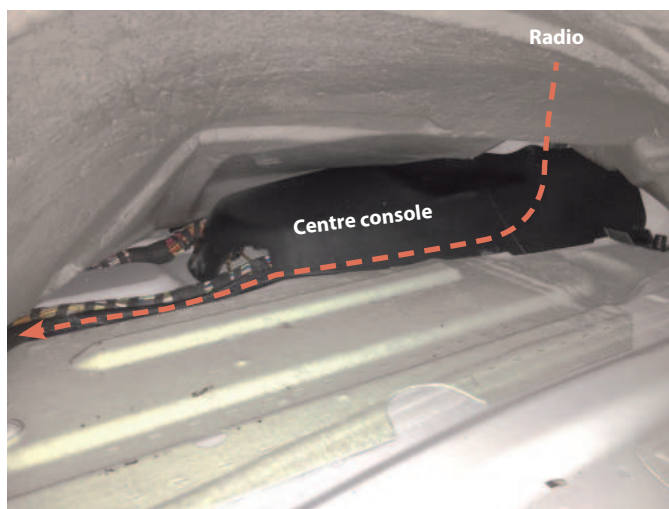
## 8. Amplifier and subwoofer installation



Optimum installation location for subwoofer and amplifier:  
Under the front passenger seat (depending on vehicle equipment)



Remove the front passenger seat and route the cables through the opening on the floor to the amplifier and solar module (if fitted) and wire them up



Route the ISO cable from the radio, under the carpet and under the centre console cover to the front passenger seat console.



Undo the screw on the seat console and feed the ISO cable underneath.

## VW Bus T6.1

Sound package 1 Driver's cab 65410

## Installation instructions

Status: 12.03.2024

**Art. No. 69410-82**

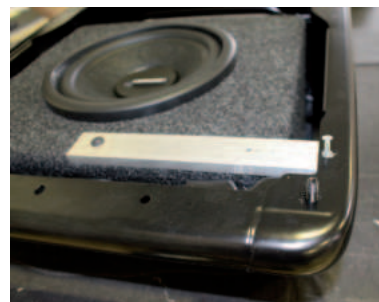
**JEHNERT**  
*Sound Design*  
A U T O M O T I V E



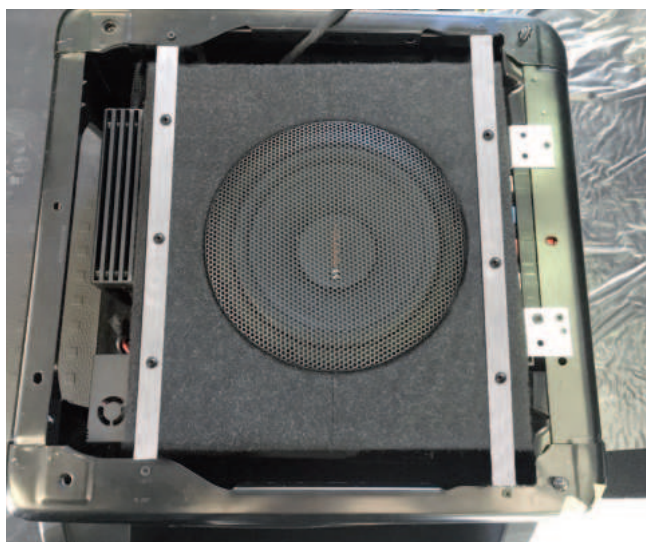
Attach the mounting bracket and secure with 4.8 x 22.



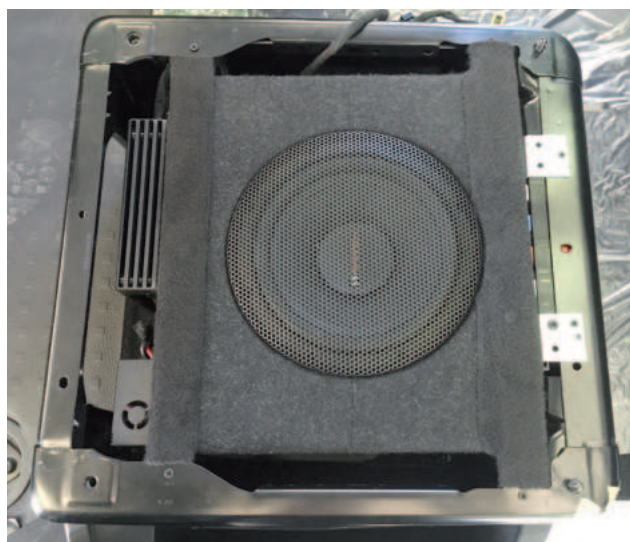
Pre-drill the screw holes for fastening to the seat bracket (countersink the drill hole slightly).



Fasten the mounting bracket with the supplied M4x16 screws and secure with washers and nuts



Mount the amplifier on the subwoofer and connect it with a „plug & play“ cable, insert it into the seat console and screw it to the frame of the seat console, e.g. using mouldings.



Subwoofer fully assembled and mouldings covered with felt fabric.

**VW Bus T6.1**

**Sound package 1 Driver's cab 65410**

**Installation instructions**

Status: 12.03.2024

**Art. No. 69410-82**

**JEHNERT**  
*Sound Design*  
A U T O M O T I V E

**Notes:**



**VW Bus T6.1**

**Sound package 1 Driver's cab 65410**

**Installation instructions**

Status: 12.03.2024

**Art. No. 69410-82**

**JEHNERT**  
*Sound Design*  
A U T O M O T I V E

**Notes:**

**Guarantee:**

As the manufacturer, we guarantee these sound systems for 2 years from the date of purchase from the specialist dealer. Within this warranty period, we will, at our discretion, repair or replace free of charge all defects that are due to material or manufacturing faults. The guarantee does not cover damage caused by improper use or installation, wear and tear or tampering by third parties. The guarantee does not cover consequential damage or defects that only insignificantly impair the value or usability of the sound systems. A warranty obligation is not triggered in the event of damage caused by external influences. Systems with additional or incorrect mounting holes are excluded from exchange. These are damages to the components that cannot be repaired.

If you have any questions, our team in Pliezhausen will be happy to help you at any time:

**JEHNERT SOUND DESIGN**

»Development and production of car audio systems«

Inh. Hans-Peter Jehnert  
Im Michelreis 14  
72124 Pliezhausen  
Tel.: 07127-93457-0  
sounddesign@jehnert.de  
www.jehnert.de



Share your Sound Experience  
with #JehnertSoundDesign



facebook.com/jehnertsounddesign



Subscribe to us on Youtube

