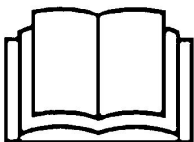




en Operating Manual

ContiSUB-A121 Flat Active Subwoofer



English

3

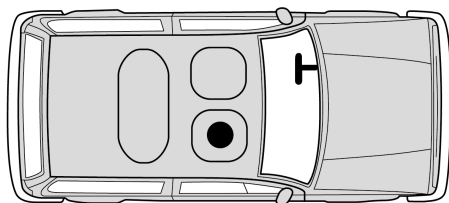
Table of contents

| | | |
|-----------|---|-----------|
| 1 | Installation location..... | 4 |
| 2 | Installation and connection instructions | 5 |
| 3 | Control panel | 6 |
| 4 | Amplifier box connection table | 8 |
| 5 | Low level connection | 9 |
| 6 | Low level connection for radio..... | 11 |
| 7 | High level connection | 12 |
| 8 | Radio connections | 13 |
| 9 | Power Input connection | 14 |
| 10 | Cable Remote Control | 15 |
| 11 | Specifications..... | 16 |
| 12 | Packaging list | 18 |

1 Installation location

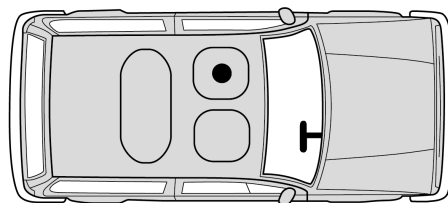
Installation option 1 for left hand vehicles

Install the passive subwoofer under the co-pilot's seat (make sure to fix the product with screws and brackets) which does not take up space and is easy to connect, while also creating a perfect bass sound field.



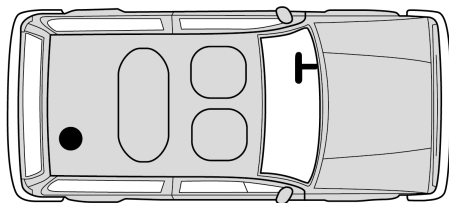
Installation option 1 for right hand vehicles

Install the passive subwoofer under the co-pilot's seat (make sure to fix the product with screws and brackets) which does not take up space and is easy to connect, while also creating a perfect bass sound field.



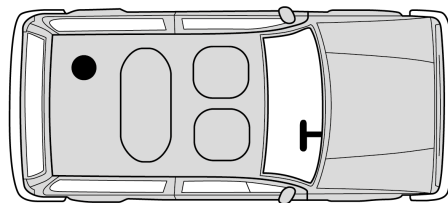
Installation option 2 for left hand vehicles

If you want to enhance the bass effect on the back of the vehicle, it is recommended that you install the subwoofer in the trunk (make sure to fix the product with screws and brackets), and the passive subwoofer are diagonal to the drive place for the best effect.



Installation option 2 for right hand vehicles

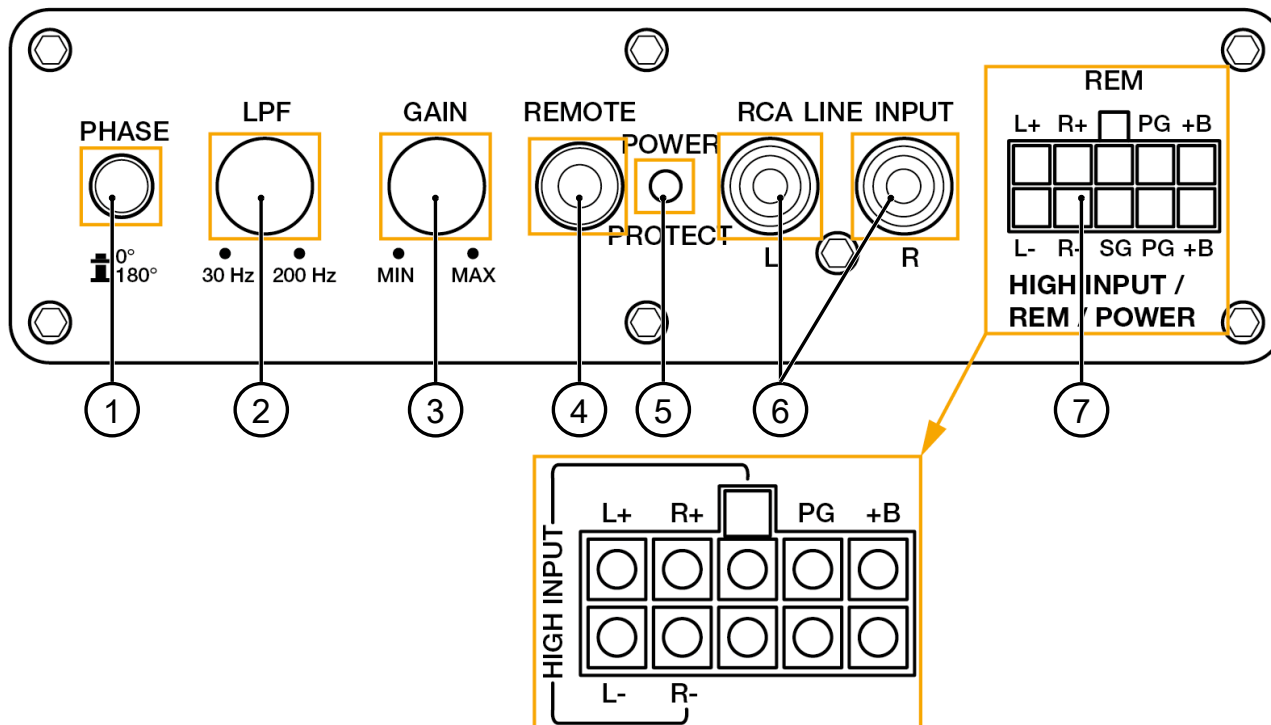
If you want to enhance the bass effect on the back of the vehicle, it is recommended that you install the subwoofer in the trunk (make sure to fix the product with screws and brackets), and the passive subwoofer are diagonal to the drive place for the best effect.



2 Installation and connection instructions

- With respect to accident safety, the equipment must be secured in a professional way.
- When selecting the installation location, select a dry location that offers sufficient air circulation for cooling the amplifier.
- The equipment must not be installed on rear shelves, rear seats or other locations that are open to the front. The installation location must be suitable to accept the accompanying screws and provide a firm support.
- The amplifier power cable must be fitted with a fuse no more than 30 cm from the battery to protect the vehicle battery in case of a short circuit between power amplifier and battery. The fuse of the amplifier protects only the amplifier, not the vehicle battery.

3 Control panel



1. Phase

Maximum bass effect can be achieved by setting the phase to either 0 or 180 degrees.

2. LPF (Low-pass Filtering)

Adjust the frequency range of the low-pass filter to ensure the bass plays within the desired frequency range.

3. Gain

Before turning on the power, set the gain and line control knob to the minimum position. Gradually increase the gain and line control volume after setting the automobile host to the appropriate volume. Adjust the gain and volume incrementally to minimize distortion, continuing until no distortion is present.

4. Remote Control

The product package includes a wired remote control, which can be plugged into this port for gain adjustment.

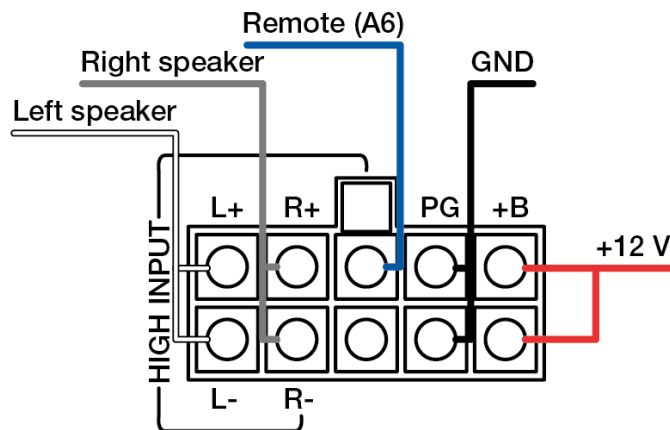
5. Power-on Indicator (Protect/Power)

6. Low-Level Input

The low-level signal from the automobile host can be input into the device via the RCA port using an RCA audio cable.

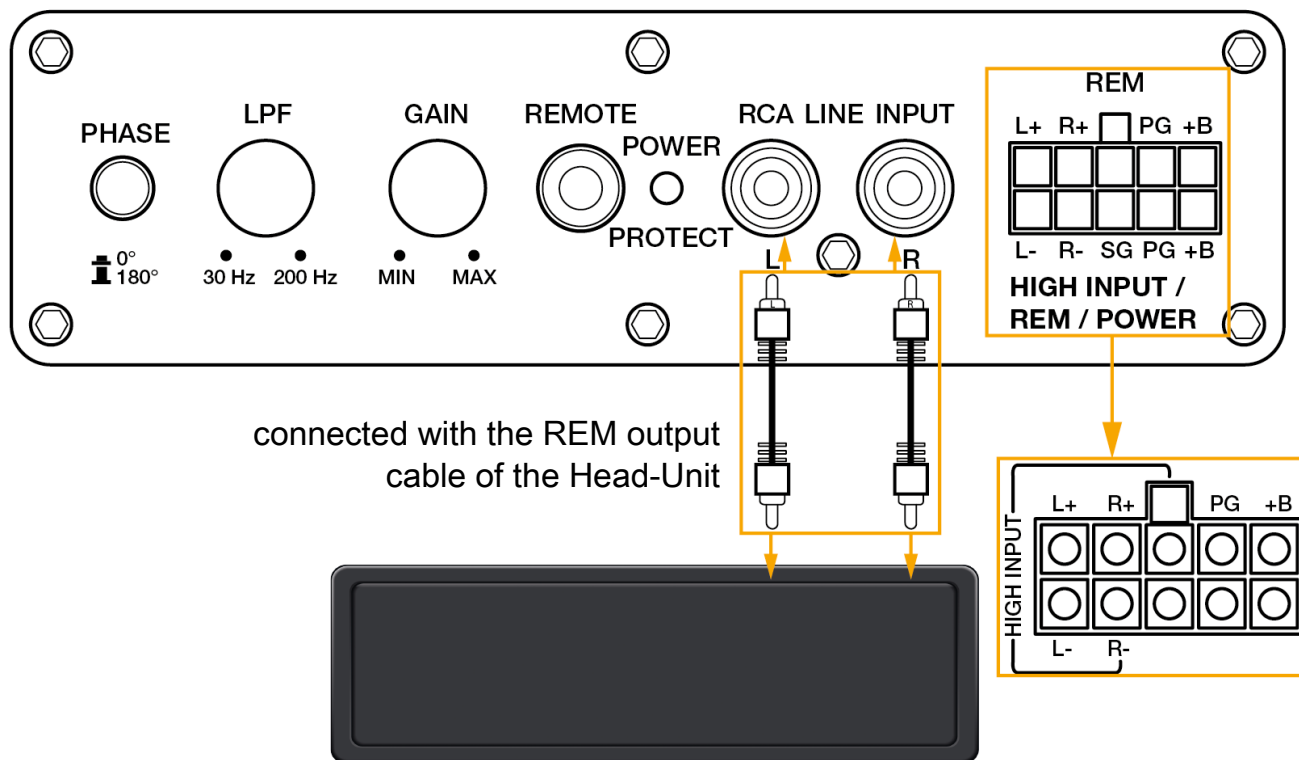
7. Power & High-Level Input:

4 Amplifier box connection table



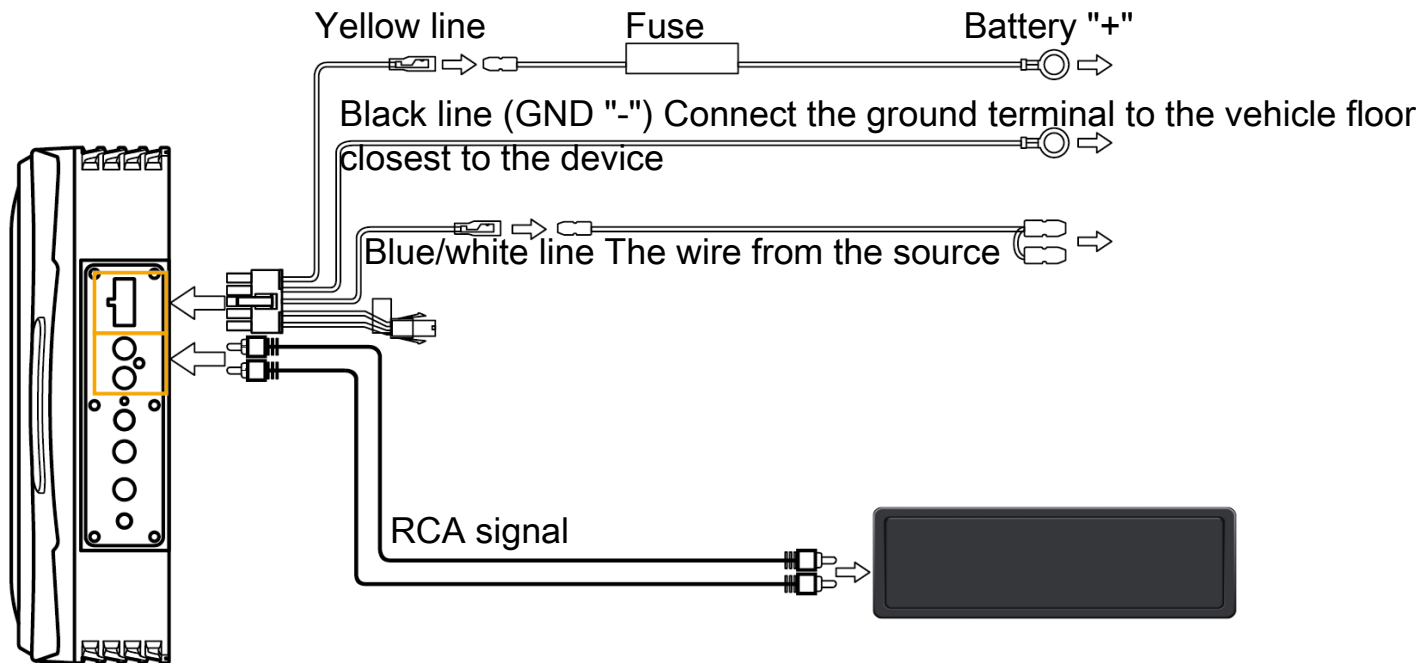
| | |
|----|------------------|
| L+ | Left speaker + |
| L- | Left speaker - |
| R+ | Right speaker + |
| R- | Right speaker - |
| SG | A6 (Remote) / NC |
| PG | GND |
| B+ | Battery +12 V |

5 Low level connection

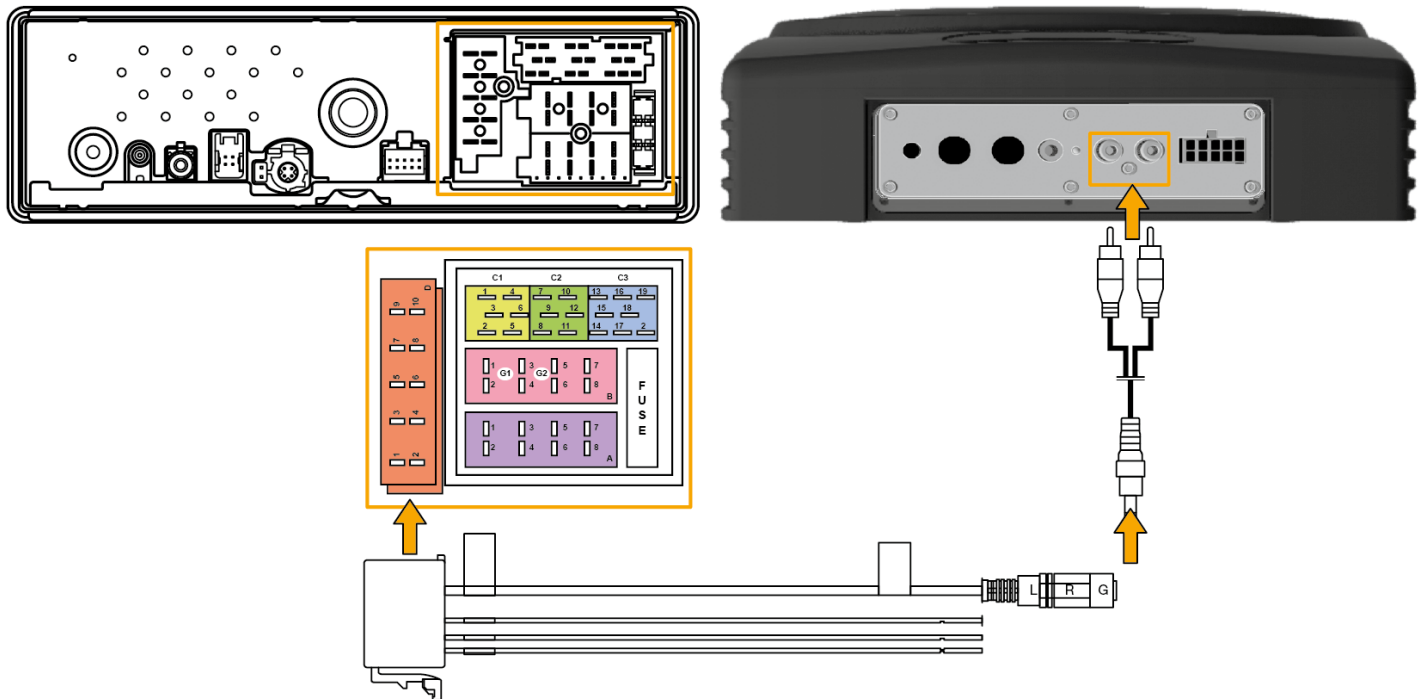


For improved bass effects, it's advisable to use the low-level input. To minimize distortion and interference, we recommend purchasing a high-

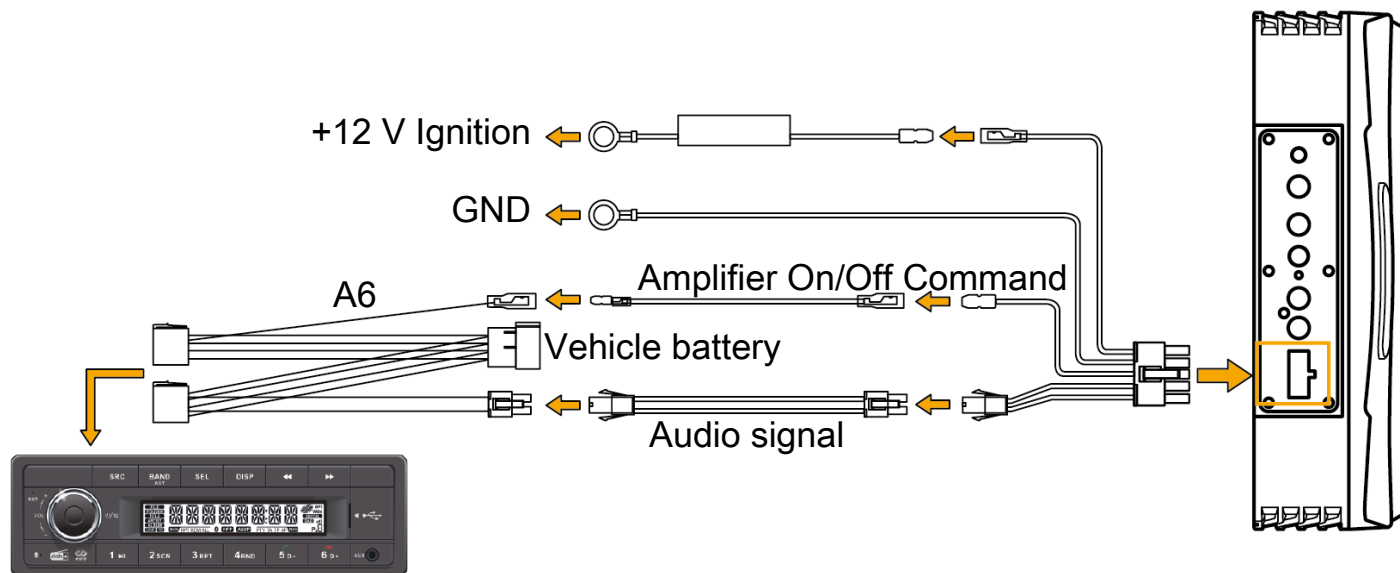
quality RCA cable. When using the low-level input, REM Output cable is connected (blue wire) to pin A6 of the car radio.



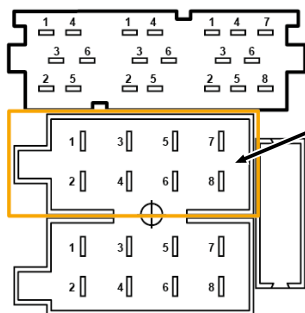
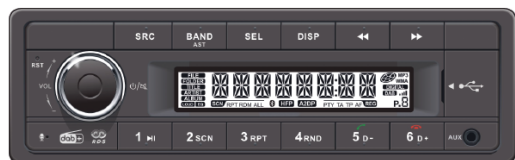
6 Low level connection for radio



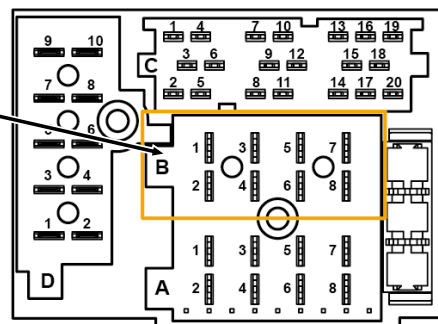
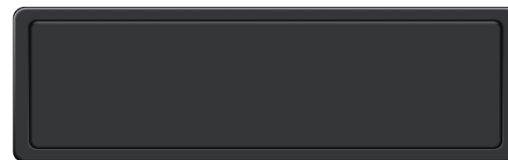
7 High level connection



8 Radio connections



Connector B

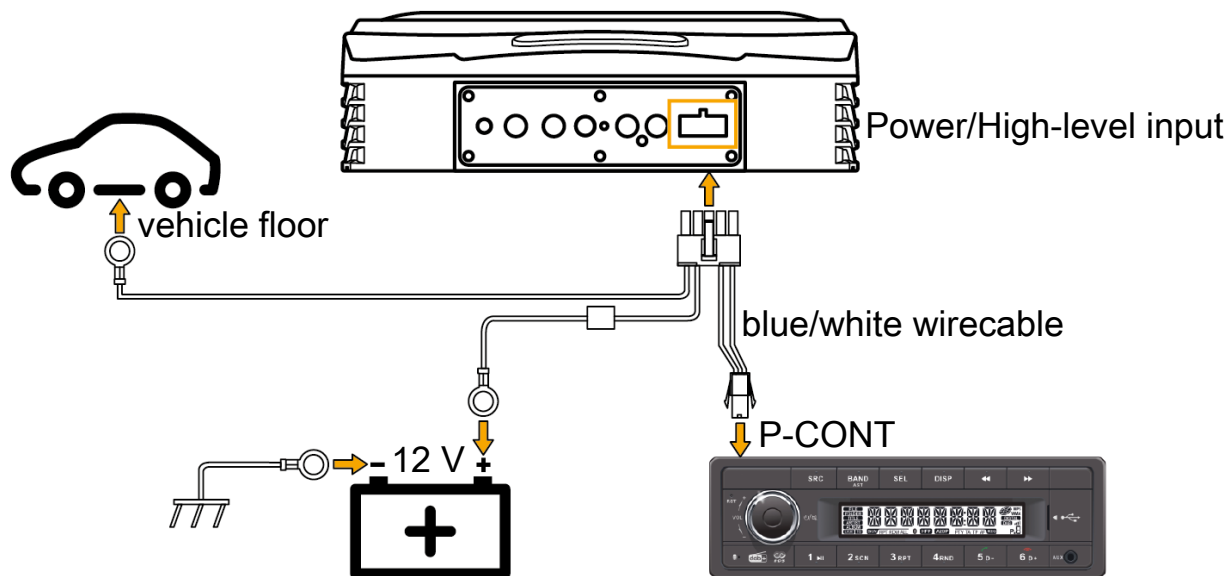


Use the 3 m cable and insert the terminal pins in the B speaker connector (Pins 1, 2, 7 and 8).

ISO B Signal

| | |
|----|----------------------------|
| B1 | Rear Right + / Subwoofer + |
| B2 | Rear Right - / Subwoofer - |
| B3 | Front Right + |
| B4 | Front Right - |
| B5 | Front Left + |
| B6 | Front Left - |
| B7 | Rear Left + / Subwoofer + |
| B8 | Rear Left - / Subwoofer - |

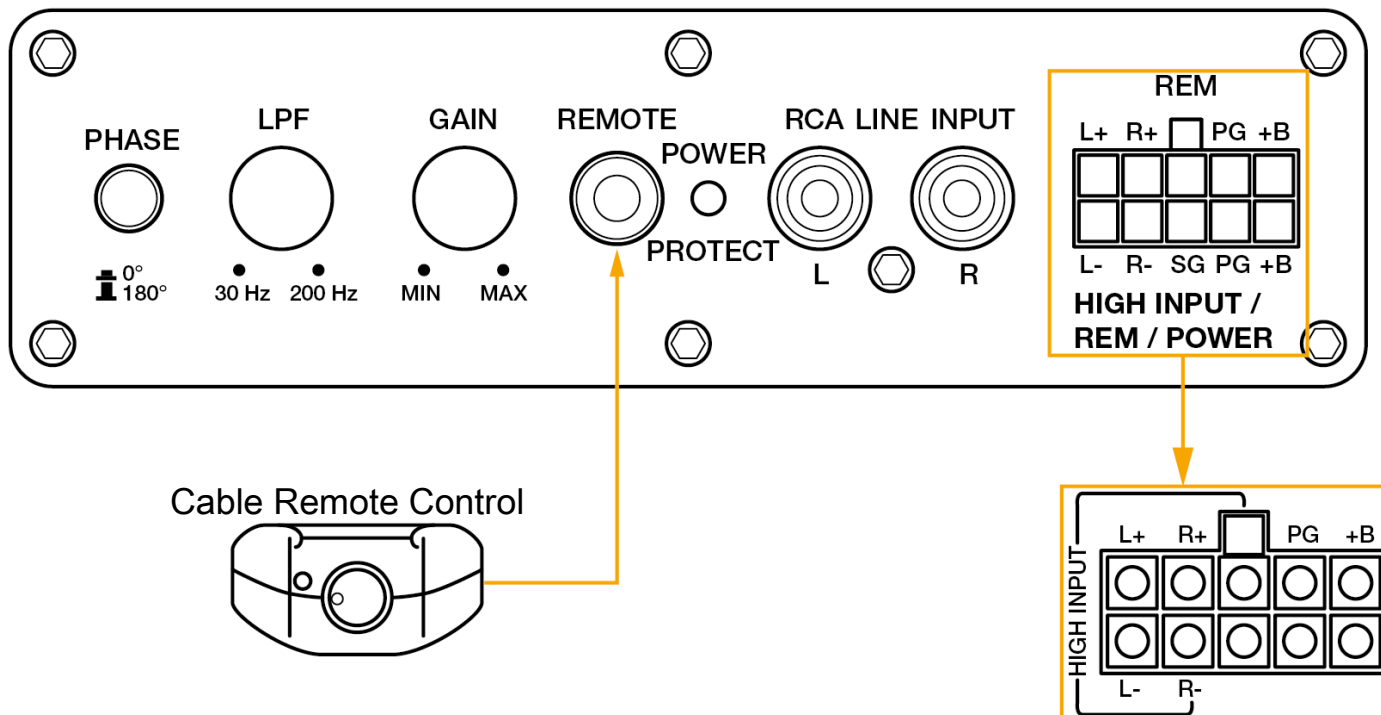
9 Power input connection



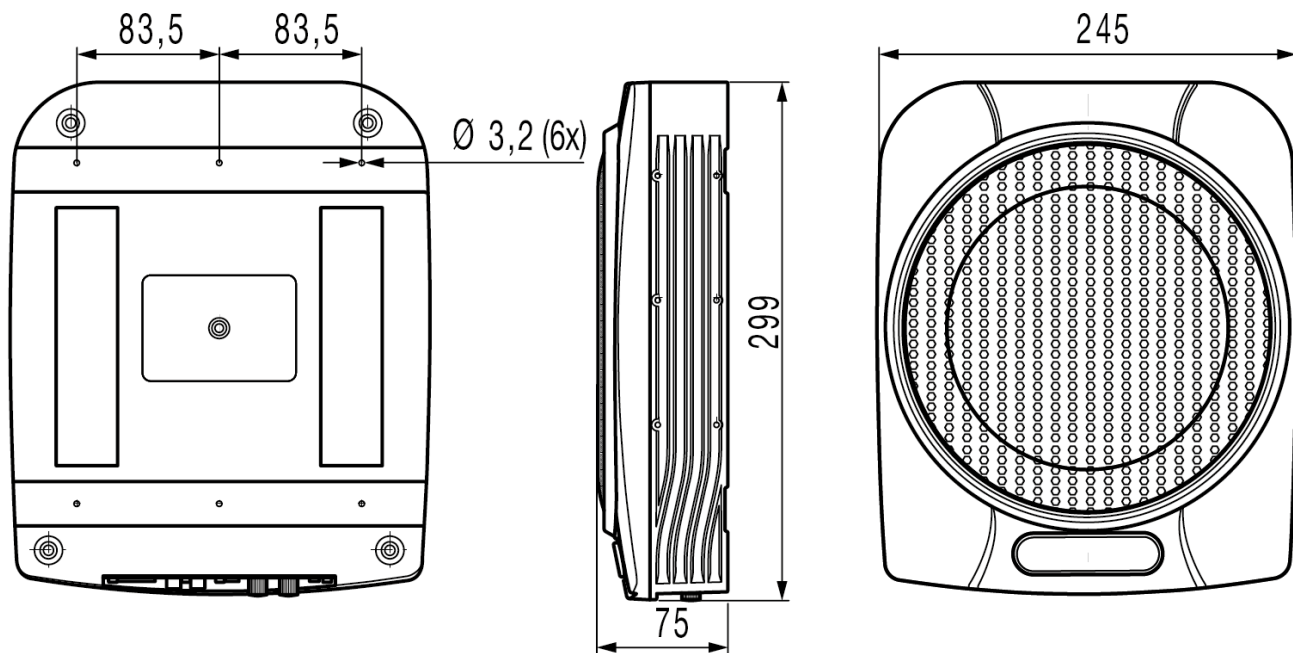
- Ground Terminal: Connect the ground terminal to the vehicle floor at the closest point to the device. Use a ground wire that is 12 AWG or thicker.
- Control Cable Terminal: The control terminal should be connected to the REM control cable of the head unit using a 20 AWG wire or thicker.
- +12 V Terminal: First, connect the fuse box to the vehicle's positive terminal using a 12 AWG or thicker cable of less than 30 cm in length

(please note, the fuse box is not provided). On the other side of the fuse box, use a 12 AWG or thicker cable to connect to the +12 V input terminal of the device. After verifying the connections, insert the fuse of the specified rating into the fuse holder.

10 Cable Remote Control



11 Specifications





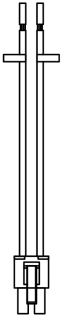

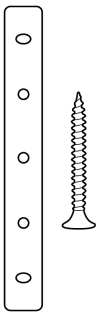
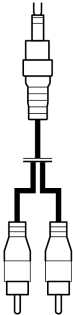

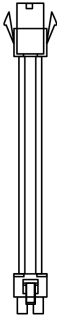

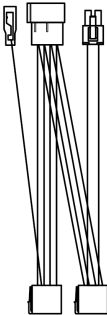
| | |
|------------------------|--------------------------------|
| Operating temperature | -20 °C up to +70 °C |
| Storage temperature | -20 °C up to +70 °C |
| Protection class | IPX2 |
| Sensitivity | 82 dB |
| System frequency range | From 30 Hz up to 200 Hz: -3 dB |

| | |
|----------------------------|----------------------|
| Rated power | 150 W |
| Peak power | 300 W |
| Drive unit (1. PC.) | |
| Cone | Wool fiber and paper |
| Size | 8.0 inch / 203.2 mm |
| Impedance | 10K Ohm |

| | |
|---------------------------|------------------|
| Resonance frequency F_s | 40 Hz |
| Housing design | |
| Type | Sealed |
| Material | Aluminium |
| Finish | Painting Process |

- Class AB Power Amplifier with Microprocessor Control Technology
- Overheat, overload, and short-circuit protection
- Automatic switch-on
- Adjustable input gain control
- Variable low-pass filtering
- Phase switch: $0^{\circ}/180^{\circ}$
- LED protection indicator
- GAIN and LPF controls

12 Packaging list

| Subwoofer (1 pc) | Remote control (1 pc) | Molex Connector (1 pc) | +12V Cable (1 pc) | Mounting Kit (2 Brackets 6 screws DIA 3.5 mm x 16 mm) | RCA male Red and White cable (1 pc) | Remote Cable 5 m (1 pc) | Speaker cable (1 pc) | Power speaker harness (1 pc) | Power Cable (1 pc) |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |

Continental Aftermarket & Services GmbH
Sodener Strasse 9
65824 Schwalbach/Ts.
Germany
Tel: +49 (0) 6196 87-0
Fax: +49 (0) 6196 865 71
www.continental-aftermarket.com

