

SPEAKER AMP PROTECTOR PLUS



SPEAKER AMP PROTECTOR PLUS

2 Unit dimensions

Unit dimensions (including feet):
90 x 90 x 45 mm

Unit dimensions (including antenna):
90 x 90 x 265 mm

Connections:
2x 3.5 mm jack sockets
1x SMA 50Ω antenna connector

Package Contents:
2 units
12 V special power supply
(for system calibration only; see page 2)
2x high-gain antennas
4x SCHNERZINGER connection cables
(3.5 mm jack to 4 mm banana plug)
4x screw-on spade adapters

Welcome to the SCHNERZINGER World

Thank you very much for purchasing a SCHNERZINGER product.

Please take your time to read through the information in this manual. It contains important advice on how to get the most out of your product.

We hope you enjoy using your new SCHNERZINGER product.

USE OF THE DEVICE

Generally speaking, the SPEAKER AMP PROTECTOR PLUS can be used on the loudspeaker (speaker) or, alternatively, on the amplifier (amp).

INSTALLATION OF THE ANTENNA

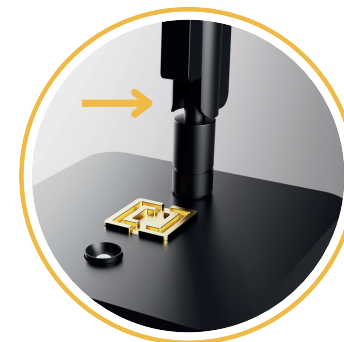
Screw the supplied SCHNERZINGER antennas firmly onto the antenna sockets and position them vertically.

Continue turning the upper section clockwise until the swivel joint points forwards towards the LED.

To check: the antenna can be tilted forwards towards the LED.

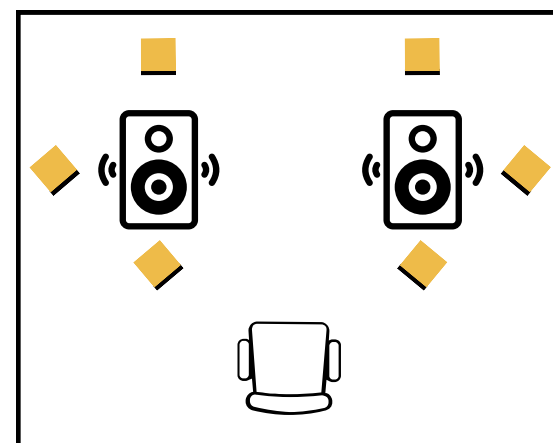
The antennas have a pronounced directional characteristic. Therefore, particular care must be taken to ensure correct installation.

 SCHNERZINGER



POSITIONING OF THE UNITS

The SPEAKER AMP PROTECTOR PLUS units should always be positioned with the SCHNERZINGER lettering/logo facing the listening position.



SCHNERZINGER
Logo facing the
listening area

The units can be placed behind, next to or in front of the loudspeaker.

BANANA / SPADE

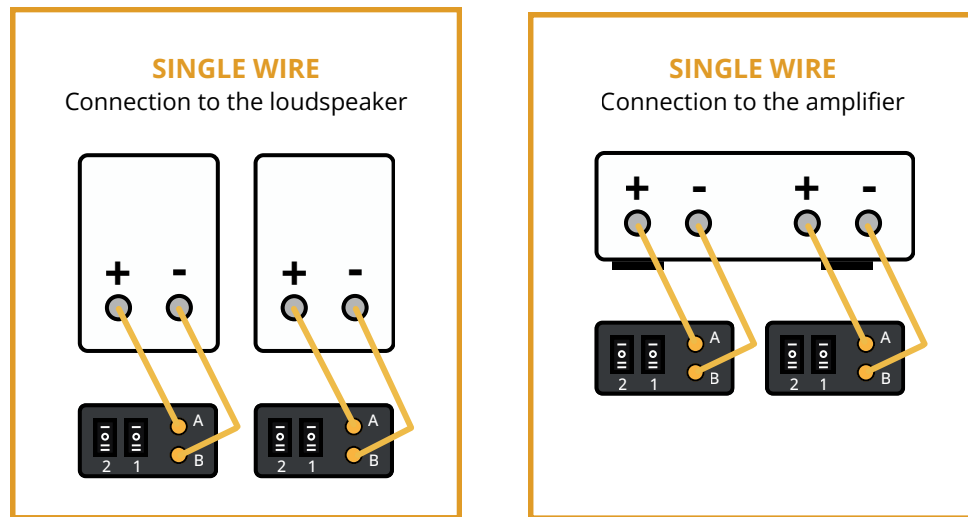
The SCHNERZINGER connection cable is fitted with banana plugs as standard. If connection is only possible via spade terminals, the enclosed spade adaptors must be screwed onto the banana plugs of the connection cable.

The SPEAKER AMP PROTECTOR PLUS can then be operated in parallel with your speaker cables of choice.

CONNECTION TO THE LOUDSPEAKER OR AMPLIFIER

As a general rule: **CABLE 1** → **SOCKET A** → **+** **TERMINAL**

CABLE 2 → **SOCKET B** → **-** **TERMINAL**

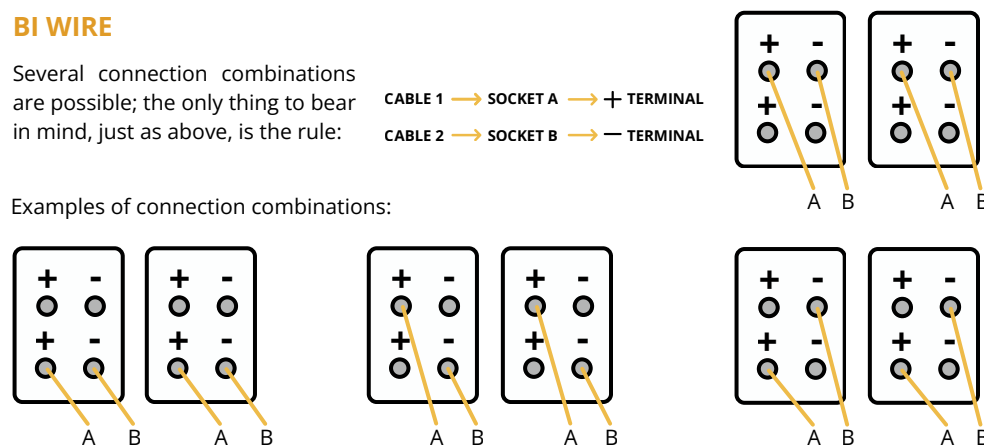


BI WIRE

Several connection combinations are possible; the only thing to bear in mind, just as above, is the rule:

CABLE 1 → **SOCKET A** → **+** **TERMINAL**
CABLE 2 → **SOCKET B** → **-** **TERMINAL**

Examples of connection combinations:



COMMISSIONING

The SPEAKER AMP PROTECTOR PLUS units are designed to be operated without a power supply unit.

They fulfil their main function even in position 0. Positions I and II are used for fine-tuning.

FINE-TUNING

Adjust both SPEAKER AMP PROTECTOR PLUS units in **parallel**, first switch 1 (+ terminal), then switch 2 (- terminal):

Switch 1 / + terminal, socket A:

Position 0 > listen
Switch to Position I > listen
Switch to Position II > listen
Keep the best result.

Switch 2 / - terminal, socket B:

Position 0 > listen
Switch to Position I > listen
Switch to Position II > listen
Keep the best result.

ADDITIONAL INFORMATION

To ensure the SPEAKER AMP PROTECTOR PLUS system continues to perform at its best over the long term, we recommend an annual system calibration. To do this, please connect the devices to the mains exclusively via jack socket B using the supplied special 12V mains adaptor.

Step-by-step procedure:

1. Connect one unit to the mains using the supplied special power supply and set both switches to position II.
2. Calibration will take place (the LEDs will light up).
3. 20 minutes is sufficient.
4. Disconnect the unit from the mains and remove the 12V power supply.
5. Then carry out the same steps for the other unit in the system.