

EMI PROTECTOR

Welcome to the SCHNERZINGER world.

Thank you very much for purchasing a SCHNERZINGER product.

Please take sufficient time to read the information in this manual. You will find important notes on how to use your product correctly and will hear that the system will demonstrate its full effectiveness accordingly.

We wish you great enjoyment with your new SCHNERZINGER product.

Just like all other PROTECTORS, the EMI PROTECTOR operates with the forward-looking GIGA CANCELING technology.

It focuses its performance on its immediate surroundings and effectively protects them from sound impairments caused by high-frequency interference fields.

This makes it suitable for use in critical locations within the hi-fi room, such as between the loudspeakers, near the hi-fi components, or at the listening position.



Package contents:

EMI PROTECTOR

Antenna

12V Power supply (cable length 1,5 m)

Extension cable for 12V Power supply (3 m)

Certificate

Dimensions:

16,3 x 16,3 x 7,7 mm

Antenna: 11 cm, 39 cm

Weight:

4 kg

Ports:

1x XLR female socket

1x DC socket

1x USB-A port

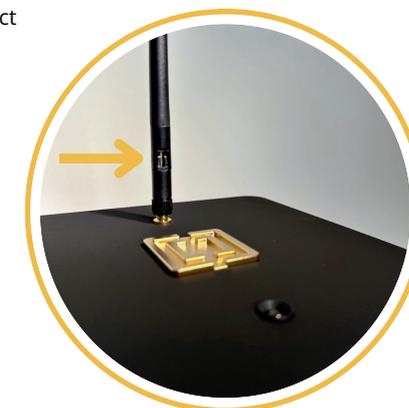
1x SMA 50Ω Antenna socket

Installation of the antenna

All antennas of all PROTECTOR models (including older versions) have a pronounced directional characteristic. Therefore, special attention must be paid to correct installation.

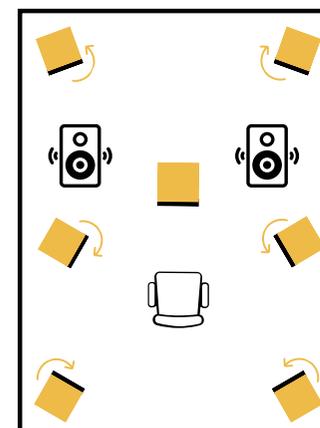
The **open angled joint** of the antenna points directly **forward** toward the LED. For verification: the antenna can be tilted forward toward the LED.

(After the antenna is firmly screwed on, continue turning the upper part clockwise until the angle joint faces forward toward the LED.)



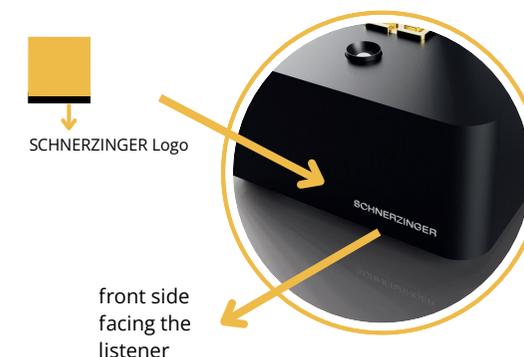
Placement in the room

All SCHNERZINGER PROTECTOR units should have the same orientation: **the front of the device should always face the listening position.**



The PROTECTOR units should always be positioned with the SCHNERZINGER logo or the front of the device facing the listener - even for units placed behind or to the side of the listener.

The orientation of the PROTECTORS can have a noticeable effect on performance.



Setting up step by step

Operation initially without the 12V power supply – the LED will not light up.

In addition to automatic adaptation to changing interference conditions, the system can be individually adjusted via the rear toggle switches to suit the local environment.

default setting

All 3 switches in the default position 0, the LED is off.

The POWER switch usually remains in the default position 0.

switch 1 - bandwidth

default position 0 > listen

change to position I > listen

change to position II > listen

Keep the settings that gives the best result.

switch 2 - clocking

default position 0 > listen

change to position I > listen

change to position II > listen

Keep the settings that gives the best result.

In most cases, the adjustment is now complete.



Function for
internal use only

12V
power
supply

diagnostics
port

Booster:

If the default settings are not sufficient for the present interference spectrum, the 12 V power supply must be permanently connected to the grid.

It should be connected to a power circuit separate from the Hi-Fi system, ideally on a different phase of the household grid.

When connecting to the power outlet, note:

The phase (indicated on the plug by a silver dot) must match the phase of the socket. This can be determined with a phase tester.

Do not change the optimal switch settings for bandwidth and clocking determined in the previous steps.

POWER switch

change to position I (LED remains off) > listen

change to position II (LED lights up) > listen

Keep the settings that gives the best result.



Additional information

The procedure for setting the switches described on the previous pages is a recommendation and, in most cases, the most effective method. All combinations of switch positions are allowed; the device will not be damaged by trying different settings.

If you want to listen to how your system sounds without the EMI PROTECTOR after some time, be sure to account for its buffering effect. A EMI PROTECTOR that is only briefly switched off will continue to have an effect. Disconnect the EMI PROTECTOR from the mains (and also the 12V power supply, if present). Remove the antenna, place the device on the floor (preferably lying on its side), and set the middle POWER switch to position 0. Keep this state for several hours, ideally overnight. This ensures that the EMI PROTECTOR no longer has an effect. Once reconnected, interference will be quickly cleared again.

To maintain its performance, the EMI PROTECTOR should be connected to the mains via the 12V power supply once a year for about 15 minutes. During this procedure, all switches should be set to position II (LED on).

In case of operational issues, please contact your SCHNERZINGER dealer. Do not attempt to repair or open the device yourself; doing so will void your manufacturer's warranty.

Enjoy your listening experience!