

SCHNERZINGER®

LAN PROTECTOR



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In addition to harmful electrosmog interferences that lie on the power grid, the electrosmog loads that permeate throughout the ethernet network are among the most potential sound killers.

If a device of the audio system (e.g. streamer) is connected to the network, the disturbances within the ethernet permeate unhindered into the connected HiFi-component - and from there on through the connected cables into further connected devices. This vastly degrades the quality of audio playback and music reproduction regardless whether mainly music signals or just additional control/remote commands are sent over the lines.

The LAN PROTECTOR lifts the quality of music playback via digital media to the highest essence only known from pure analog HiFi-realms.

Just as with the GRID PROTECTOR, the Schnerzinger GIGA CANCELING technology operates to full extend within the LAN PROTECTOR.

LAN PROTECTOR → Ethernet / Network

GRID PROTECTOR → Power Grid / Power Lines



Connect to:

Network switch in the HiFi room (recommended)

Network socket in the HiFi room

Network socket in another room
if there is no free socket available in the HiFi room

Router
no matter where it is located in the house

(a commercially available standard network cable is sufficient in all cases)

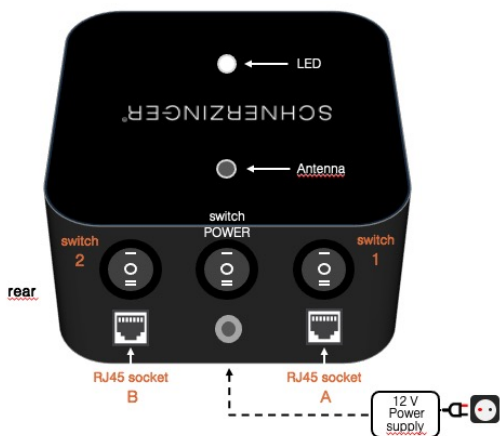
Connection

There are 2 network connection sockets (RJ45) on the back of the device. They operate at different clock rates in order to be able to detect different interference fields.

The use of a network switch is recommended and often yields the best sonic results. Therefore, a switch is included with every LAN-PROTECTOR. In case there is only one network socket in the HiFi room, a switch is necessary anyway.

Furthermore, we recommend the use of a Schnerzinger cable for the connection of the digital Hi-Fi equipment. Thanks to their BIDIRECTIONAL BARRIER technology, interference potentials during playback of digital music media are effectively eliminated.

The LAN PROTECTOR has no signal forwarding function, so it is not connected to a Hi-Fi device.

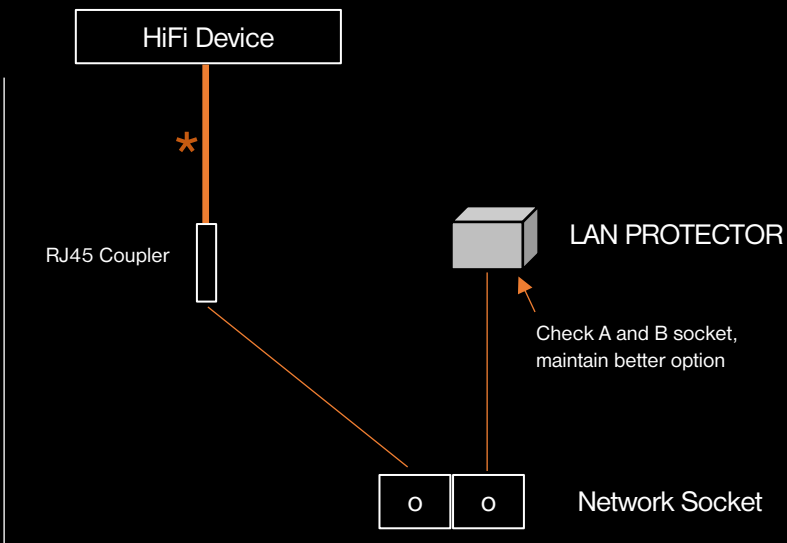
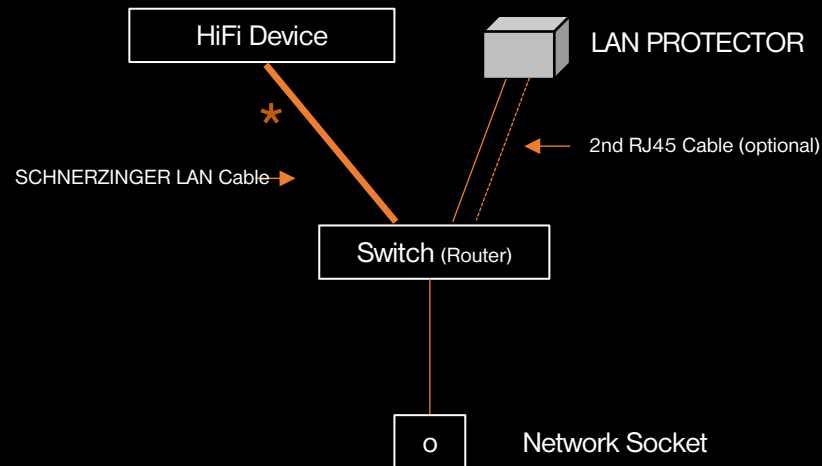
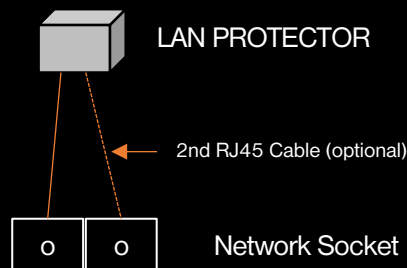


The illustrations show examples of installation.

The variant, LAN PROTECTOR to the switch, has proven itself, but various variants are conceivable. Trying always decides on the best sound.

All connections are generally feasible with commercially available network cables.

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For this connection, however, we strongly recommend a dedicated SCHNERZINGER LAN cable. Due to its bidirectional barrier, no additional interference enters into the streamer and the further course of interference is stopped.



Step by step adjustment

1. Power connection and antenna

Operation initially without 12V power supply.
Connection of the antenna (vertical position).

2. Basic Setup

All three switches in basic setting 0 (LED off).
POWER switch usually remains in basic setting 0, (LED off).

3. Comparison

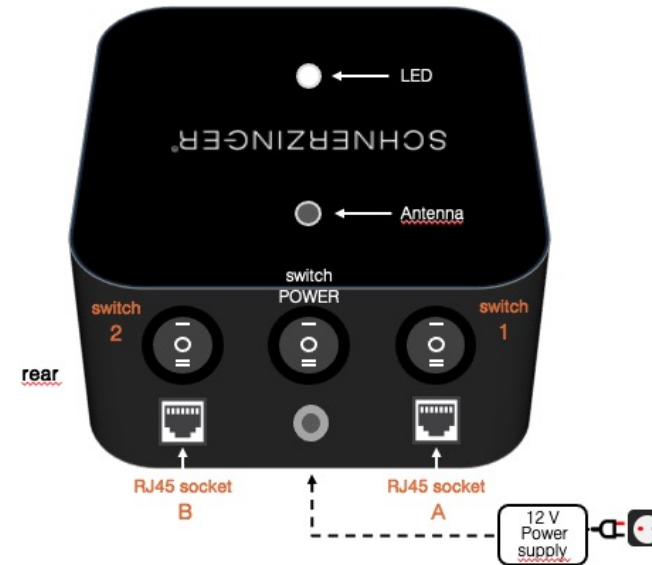
First connect socket A and listen. Remove cable.
Connect socket B and listen.
Then connect both jacks and listen.
Compare everything and keep the best variant.

4. Switch 1 and 2

Set switch 1 to I, listen, then to II, listen.
Keep best setting.

Switch 2 to I, listen, then to II, listen.
Keep best setting.

Please note: if socket A or B is not connected, the corresponding switch on top remains at 0.



5. Increasing the power (POWER switch)

In most cases, setting is now done.

However, if the basic setting is not sufficient for the present interference field spectrum, it is necessary to permanently connect the 12V power supply unit to the mains (observe correct plugging into the socket, current phase is marked).

The 12V power supply should be connected to a separate circuit from the HiFi-system - ideally to a different phase of the house mains. .

Do not change the optimal setting determined in steps 3 and 4.

Listening comparison of the power levels:
starting with switch setting I (LED on), then switch setting II (LED bright).

If there is no improvement, return to the basic POWER setting:
Remove 12V power supply again, switch position POWER to 0, LED remains off.

Please note: To maintain its performance, the LAN PROTECTOR it should be connected to the grid with the 12V power supply once a year for approx. 15 minutes.

IMPRESSUM

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