

# POWER GUARD



Dear customer,

Thank you for your purchase of a SCHNERZINGER product.

Please take the time to precisely read the information in this guide. You will find important instructions to use your product and hints for the optimal integration into your Hi-Fi system.

This guide facilitates your use of the product, promotes understanding its functional characteristics and helps you to obtain the full efficiency of the product.

We hope you enjoy your new SCHNERZINGER product.

Please clean the product with a nonscratching dry duster only. Avoid using cleaning agents.

In case of malfunctions contact your SCHNERZINGER dealer. Please do not attempt to service the device yourself or to open it, in that case you will lose your entitlement for our manufacturer warranty.

In the case of damages at the power plug or power cable please initiate an exchange at SCHNERZINGER via your dealer.

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## PROTECTOR SYSTEM

The music reproduction quality of an audio system is highly affected by low and high frequency electrical interfering fields, caused by Wi-Fi, cellular radio, power lines etc. With the **PROTECTORS** and their integrated trendsetting **GIGA-PULSE** technology, SCHNERZINGER has developed a product category that actively eliminates the sonic effects of low and high frequency interfering fields.

The **PROTECTORS** significantly enhance the transmission quality of audio systems. The sonic effects include an astonishingly higher spatial depth and resolution as well as increased broad and fine dynamics in music reproduction.

Utilizing the operating principle and efficiency of the GIGA-PULSE technology, the SCHNERZINGER **PROTECTORS** represent a unique solution in the market.

An important health aspect: protector technology does not increase radiation exposure within the room.

## POWER GUARD / POWER GUARD BOOSTER

The GIGA-PULSE technology of the **POWER GUARD** and **POWER GUARD BOOSTER** clears up electrical interfering fields, resulting from the domestic power grid, radiating into the direct environment.

Application of multiple **POWER GUARDS** offers a flexible modular assignment at several critical points of the domestic power grid, e. g. at different phases or close to significant interfering sources such as computer, refrigerator, cooktop, router, etc.

Due to GIGA-PULSE technology the **POWER GUARD** can do without problematic filters and passive components like capacitors, which are responsible for loss of dynamics, resolution and naturalness; especially at high power requirements of the power grid.

## Setting up a SCHNERZINGER system

Recommendation for the first setting resp. resetting of several SCHNERZINGER components:

### 1. Step:

Connect all components

- with the power circuit, if required (see manual)
- with the Hi-Fi devices (GROUND, SPEAKER AMP)

### 2. Step:

Set all switches at all components to basic setting (switches to position 0).

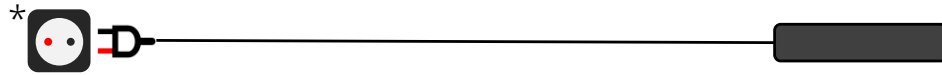
### 3. Step:

Test each component **one after the other** for its optimal setting according to the manual, with the following configuration sequence:  
CABLES, GROUND PROTECTOR, GRID PROTECTOR, POWER GUARD, OPERATOR/NEW INNOVATOR, SPEAKER AMP PROTECTOR, EMI PROTECTOR, GIGA PICCOLO PROTECTOR, GIGA GUARD, GIGA PROTECTOR

If you add your device to an already existing SCHNERZINGER chain, outstanding results will be obtained mostly when all devices will keep their former settings and just the additional product will be installed and configured as described in its manual.

If this does not provide satisfactory results, we recommend a complete system resetting.

## Use of POWER GUARD



\* note the correct phase (marked with a silver dot) – measure the phase of your socket.

To use a POWER GUARD, a master is required. The master offers the full POWER GUARD functionality and can therefore be used individually or together with one or more POWER GUARD in the same room.

If a POWER GUARD is to be used in another room or on another floor, a master is required for this room again.

For each individual POWER GUARD unit, the normal or the alternatively available power level MAX can be tested; any mixed operation of the power levels is possible.

The POWER GUARD BOOSTER works as an enhancer. For each individual application can be tested whether a POWER GUARD or a POWER GUARD BOOSTER or both together achieve the best effect. The POWER GUARD BOOSTER can also be used autonomously and independently of a POWER GUARD.

Mostly the use of one POWER BOOSTER is sufficient. If a POWER GUARD BOOSTER or POWER BOOSTER is already in use, the POWER GUARD will generally achieve the better effect for the other applications in the domestic power grid.

POWER GUARDS can be connected\* to free sockets.

## Recommended applications of POWER GUARD

POWER GUARD and GRID PROTECTOR basically fulfill the same function. The GRID PROTECTOR is an extreme powerful central unit and is especially recommended for the HI-FI room, the POWER GUARD unfolds its effect in its close environment and thus enables a flexible modular use at other critical points of the domestic power grid.

The SCHNERZINGER GROUND PROTECTOR also includes a POWER GUARD function. If there is no GROUND PROTECTOR, a POWER GUARD should be tried at the first slot of the HI-FI power strip, where appropriate also a second at the last slot. Additional POWER GUARD should cover the other phases of the domestic power distribution and be connected as close as possible to significant interfering sources of the grid such as computer, refrigerator, cooktop, router, etc., which are often located in other rooms or even in other floors or in the Basement. It is recommended to equip all phases of the domestic power distribution with a POWER GUARD.

To reach the best possible effect, SCHNERZINGER recommends testing different variants.

Example of a house with three phases, the Hi-Fi system uses phase 1:

- POWER GUARD in phase 1 (in the first slot of the Hi-Fi power strip, if no GROUND PROTECTOR is available)
- GRID PROTECTOR (if available, otherwise another POWER GUARD) in phase 2
- POWER GUARD in phase 3 (directly at the computer, cooktop, router, refrigerator for example)
- additional POWER GUARD for other interfering sources, where appropriate

## Lasting Effect of the POWER GUARD

The **POWER GUARD** constantly operates to clear up interfering fields effectively and comprehensively.

If after a while you once want to hear the performance of your system without your POWER GUARD, the buffering effect absolutely has to be considered.

If the POWER GUARD is switched off for a short time only, it still takes effect. But it only requires up to 15 minutes to reach its maximum performance.

Remove all POWER GUARD units from the power grid. Keep these conditions for several hours, preferably overnight. This way you achieve that the POWER GUARD has no effect any more.

Upon recommissioning the interfering fields will be cleared again fast.

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