

GIGA 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.

Package Contents

GIGA GUARD MASTER

CONTROL UNIT

12V Power Supply, cable length 1,5m

3,5mm jack extension cable 5m

Antenna

1 GIGA GUARD module incl. antenna

Contents

PROTECTOR SYSTEM

GIGA GUARD

Setting up a SCHNERZINGER system

Connecting the GIGA GUARD MASTER to the power grid

Connecting the Hi-Fi Components

Setting up the GIGA GUARD

Lasting effect of the GIGA GUARD

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.

GIGA GUARD

Protection of Hi-Fi - components via direct plug-in

Wireless controlled GIGA GUARDs use GIGA-PULSE technology to clear up internal interfering fields, originating in the devices. From the master unit they receive a dejamming signal, actively penetrating the entire device.

In order to protect the sensitive signal inside the devices against impairment, developers of high grade devices try hard to keep interfering fields low inside of the devices by use of very low stray field components or by shielding enclosures. Problematic power filter or conditioner may help keep external field loads away from the device, but the inner interfering fields, caused by the equipment itself and close to the audio signal, cannot be cleared up this way.

In contrast the GIGA GUARDs actively operate right in the equipment, in the immediate vicinity of the signal-transmitting components. This makes them an unrivaled solution on the market.

The product line comprises several specific GIGA GUARD modules for the respective application: **RCA, XLR, BNC, USB.**

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).

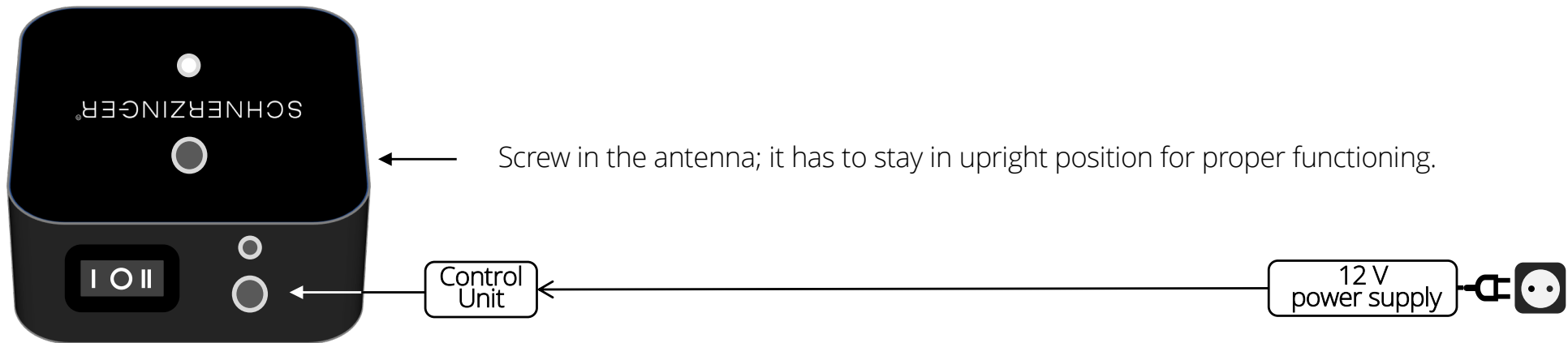
3. Step:

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.

Connecting the GIGA GUARD Master to the power grid



The GIGA GUARD MASTER should be placed close to the Hi-Fi devices.

The **CONTROL UNIT** will be connected to the MASTER and the **12V power supply** will be connected to the CONTROL UNIT.

The 12 Volt power supply should be connected to a power circuit separate from the Hi-Fi system – ideally even to a different power phase.

The GIGA GUARD MASTER may be used without the 12V power supply. This supports a flexible placement of the unit. But in this case it should be connected to the grid with CONTROL UNIT and 12V power supply once a year for 15 minutes.

Mostly a better result will be achieved, when the 12V power supply is permanently connected.

Connecting the Hi-Fi Components

The **GIGA GUARD MASTER** may control several GIGA GUARDS. Hi-Fi Components are connected through the individual GIGA GUARDS. The particular Hi-Fi component should be switched off* during installation.



Via the GIGA GUARD modules RCA, XLR/W, XLR/M, BNC, USB Type A and Type B first the free inputs of the Hi-Fi components (but no speakers*) are available to connect to the GIGA GUARD.

For each single component please test the optimal input; primary digital inputs, alternatively analog inputs. Per component more than one GIGA GUARD may be connected, this results in an increased effect for this component.

If no digital or analog input is available, the effect of a GIGA GUARD may also be tested at an output (digital or analog).

Screw in the antenna for each individual GIGA GUARD; by turning and bending at the hinge it has to be moved and stay in upright position for proper functioning.

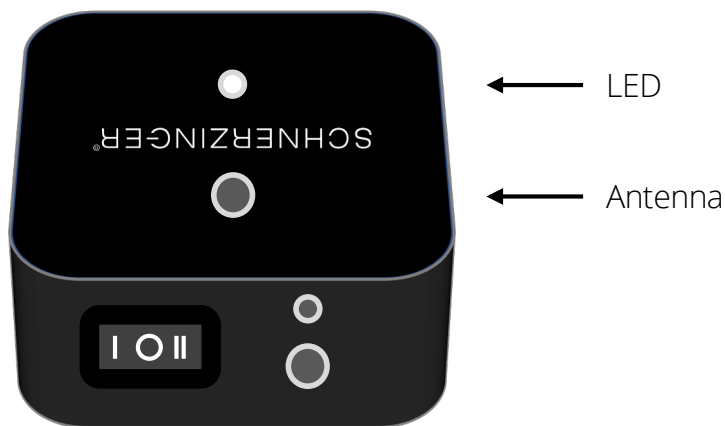
* Caution – risk of damage

Setting up the GIGA PICCOLO PROTECTOR

The **GIGA GUARD MASTER** has an additional GIGA-PULSE amplifier, allowing to optimally calibrate the unit to the respective interference field spectrum of the environment (e. g. WLAN, mobile communication, DECT, Bluetooth, radio waves and other interfering sources).

Changes need some time to take effect mostly. Therefore at each of the following steps you should wait for app. two minutes before judging.

Do not change the results as determined from the previous steps when you do the subsequent steps.



Switch at the back:

Activating a **GIGA-PULSE** amplifier.

0 = Power Level 1

(without CONTROL UNIT and 12V power supply)

0 = Power Level 2

(with CONTROL UNIT, without 12V power supply)

1 = Power Level 3

(with CONTROL UNIT and 12V power supply, LEDs low)

2 = Power Level 4

(with CONTROL UNIT and 12V power supply, LEDs high)

Lasting Effect of the GIGA GUARD

The **GIGA 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 GIGA PICCOLO PROTECTOR, the buffering effect absolutely has to be considered.

If the GIGA GUARD is switched off for a short time only, it still takes effect because of the buffering of the power supply unit.

Disconnect the 12V power supply and the CONTROL UNIT from the power grid and the GIGA GUARD MASTER resp. Disconnect all GIGA GUARD units from the devices. Additionally bend the antennas of all units at the hinge into a horizontal position and place the MASTER and the GIGA GUARD units on the floor. Keep these conditions for several hours, preferably overnight. This way you achieve that the GIGA GUARD has no effect any more.

Upon recommissioning the interfering fields will be cleared again fast.

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