

# ROOM 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 non-scratching dry duster only. Avoid using cleaning agents.

A potting compound in the devices protects the innovative GIGA CANCELLING technology with its particular electrical components specially manufactured for SCHNERZINGER against direct access and screening via X-ray or magnetic field applications. A slight rustling caused by this potting compound is normal and does not result in any functional impairment. There are no informed crystals in the devices.

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

### ROOM GUARD Set (4 units)

ROOM GUARD MASTER

12V power supply, cable length 1,5 m

3,5 mm jack extension cable 5m

4 ROOM GUARD units

Antenna (per unit + master)

### Dimensions and weight (l x w x h in cm, weight in kg)

ROOM GUARD MASTER      7 x 7 x 3.5 (without antenna), 0.3

ROOM GUARD units each      10 x 4 x 4 (without antenna), 0.16

Antennas are 11 cm long.

## Contents

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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 CANCELLING** 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 CANCELLING 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.

## ROOM GUARD

The **ROOM GUARD** offers a cost-effective, area-covering basic interference suppression to clear medium to strong high frequency interfering fields radiating into the room.

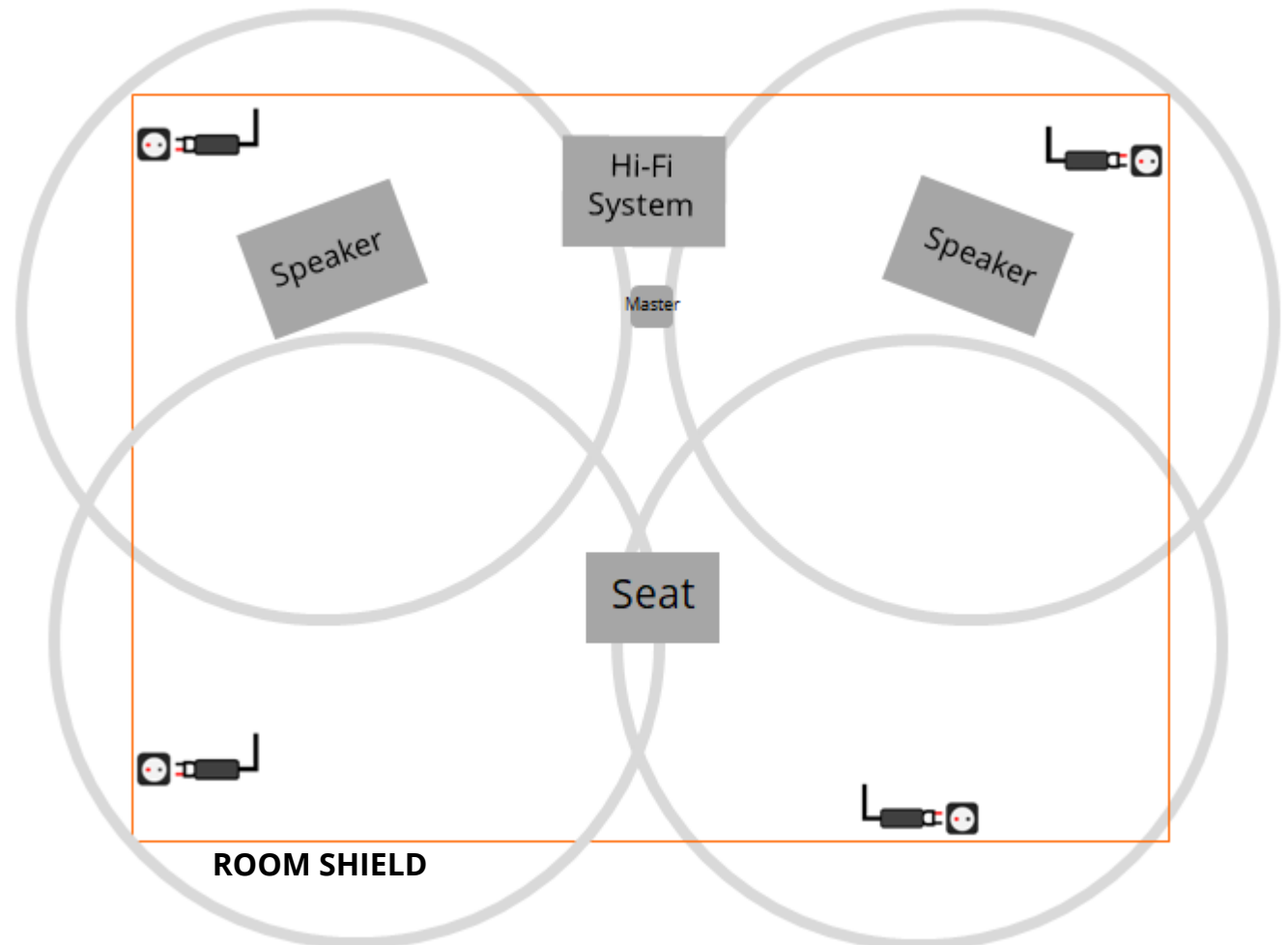
Due to GIGA CANCELLING technology the ROOM GUARD can do without problematic filters and passive components like capacitors, as even the fastest of these components tend to slow down electrons and delay transmission, significantly reducing the possible effectiveness, especially in the “ultra-fast” high frequency range.

## Use of ROOM GUARD

ROOM GUARDS must be operated with their associated **MASTER**. Preferably the **MASTER** should have an elevated central position within the listening room. The ROOM GUARDS unfolds their effect in their close environment (radius app. 3 meters) and thus enable a flexible modular use at critical points of the listening room power grid.

ROOM GUARDS can be connected to free sockets, ideally close to the room corners.

Several ROOM GUARDS, appropriately distributed in the room, form an area-covering **ROOM SHIELD** thanks to the coupling function controlled by the master unit.

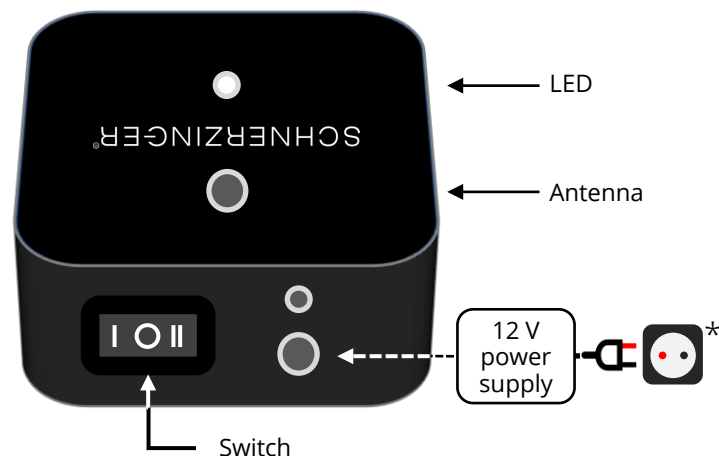


## Setting up the ROOM GUARD

The ROOM GUARD MASTER has three power levels to simply adjust the GIGA CANCELLING technology via a toggle switch. This makes it possible to adapt to any interference field spectrum.

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.



### 1. Step: Base setting master

Preferably the master should have an elevated central position within the listening room. Usually (power level 1), it will be operated without the 12V power supply. To maintain its performance, it should be connected to the grid with its 12V power supply once a year for 15 minutes.

**Connect antenna** (upright position) to the master, without 12V power supply.

Set the switch of the master to base setting 0.

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

## Setting up the ROOM GUARD

### 2. Step: ROOM GUARD ROOM

Connect the first ROOM GUARD\*. By turning and bending at the hinge the antenna has to be brought to upright position for proper functioning.

Different slots in the listening room are tested and the option with the best effect is retained.

The best slots for further ROOM GUARDS are iteratively tested and each time the option with the best effect is retained.

The best effect is usually achieved when the ROOM GUARD units used in the listening room cover all room walls, e. g. by placing the units near all 4 room corners, and form a high-performance ROOM SHIELD.



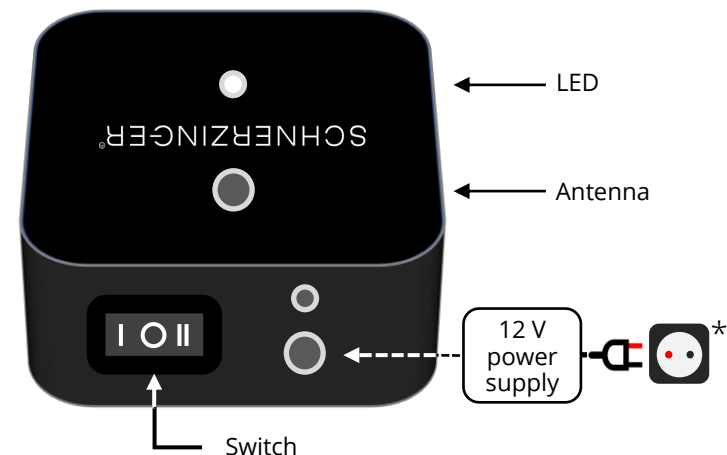
### 3. Step: Switch at the master - adjustment of the power level:

If power level 1 is not sufficient for the present interference field spectrum, 2 additional power levels can be activated. This requires the permanent connection of the 12V power supply\* to the master and the grid. 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.

0 = Power Level 1 – **without 12V power supply**

1 = Power Level 2 – **with 12V power supply**, LEDs on

2 = Power Level 3 – **with 12V power supply**, LEDs high



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

## Lasting Effect of the ROOM GUARD

The **ROOM 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 ROOM GUARD, the buffering effect absolutely has to be considered.

If the ROOM 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 the ROOM GUARD MASTER and all ROOM GUARD units from the power grid and set all antennas to a horizontal position. Keep these conditions for several hours, preferably overnight. This way you achieve that the ROOM GUARD has no effect any more.

Upon recommissioning the interfering fields will be cleared again fast.

### Contact

sales@schnerzinger.com  
Phone +49 (231) 13 38 50 15

### Imprint

Schnerzinger UG (limited) & Co. KG  
Klüsenerskamp 14 | 44225 Dortmund | Germany  
Registry Court : Amtsgericht Dortmund | HRA 17290 | VAT ID: DE276913602  
Pers. liable partner: SCHNERZINGER Verwaltungs UG (limited)  
Registry Court: Amtsgericht Dortmund | HRB 23752  
WEEE-Reg.-No. DE68142962  
Managing Director: Sandra Austerschulte  
Phone +49 (231) 13 38 50 15 | sales@schnerzinger.com