

# GIGA PICCOLO PROTECTOR



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 PICCOLO PROTECTOR Set

CONTROL UNIT

12V Power Supply, cable length 1,5m

3,5mm jack extension cable 5m

Antenna (per unit, plus one big antenna for the master)

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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.

## GIGA PICCOLO PROTECTOR

Utilizing integrated **GIGA-PULSE** technology the **GIGA PICCOLO PROTECTOR** protects its direct environment from losing sound quality due to high frequency interfering fields.

Due to its compact dimensions it offers a very flexible selective assignment at several critical points in the listening room. Via careful selection of the application spots you can sensitively react to the specific spatial circumstances and respect individual sound preferences.

The **GIGA PICCOLO PROTECTOR** is offered as a set of 1 to 6 or 9 units, in each case consisting of one master and several satellites. A **GIGA PICCOLO PROTECTOR** set has to be operated with a master. In case of a single **GIGA PICCOLO PROTECTOR** the single unit is the master.

All individual units of a set will be operated with a small antenna, the master may optionally use a small or big antenna.

## 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).

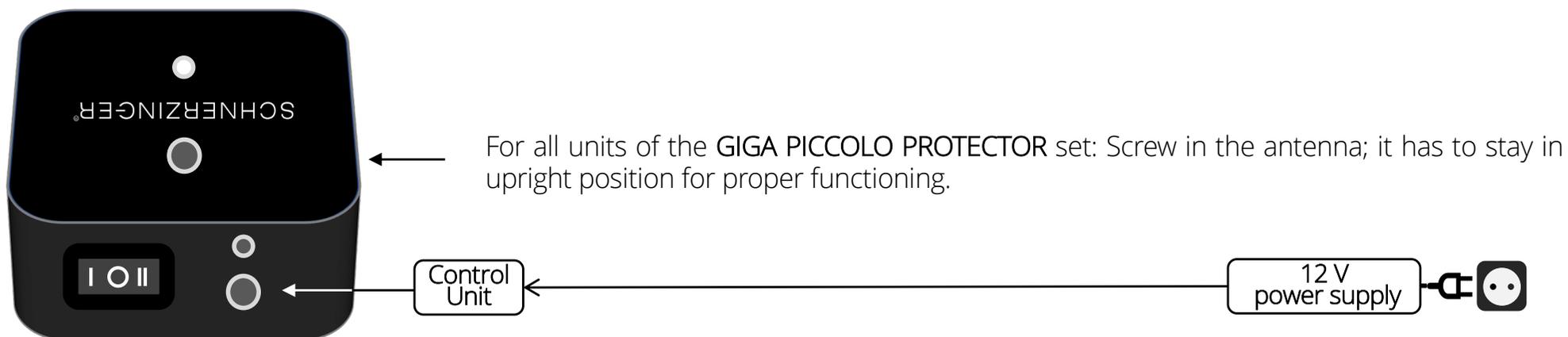
### 3. Step:

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 PICCOLO PROTECTOR MASTER to the power grid



One unit of the GIGA PICCOLO PROTECTOR set is labeled as **MASTER**. The **CONTROL UNIT** will be connected to the GIGA PICCOLO PROTECTOR 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 PICCOLO PROTECTOR 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.

All other units of the GIGA PICCOLO PROTECTOR set should be connected to the grid with CONTROL UNIT and 12V power supply once a year for 15 minutes.

## Optimal Positioning

As the effect is optimized for the near field, the placement of the units of the **GIGA PICCOLO PROTECTOR** set is particularly important.

For maximum impact Schnerzinger recommends to test different variants.

**General Information to positioning – always the speakers are the point of reference:**

front (in front or on top of the speakers):	A more direct sound
lateral (beside the speakers):	Width of sound expands
back (behind the speakers):	Depth of sound expands
At the listening position :	The sound surrounds the listener

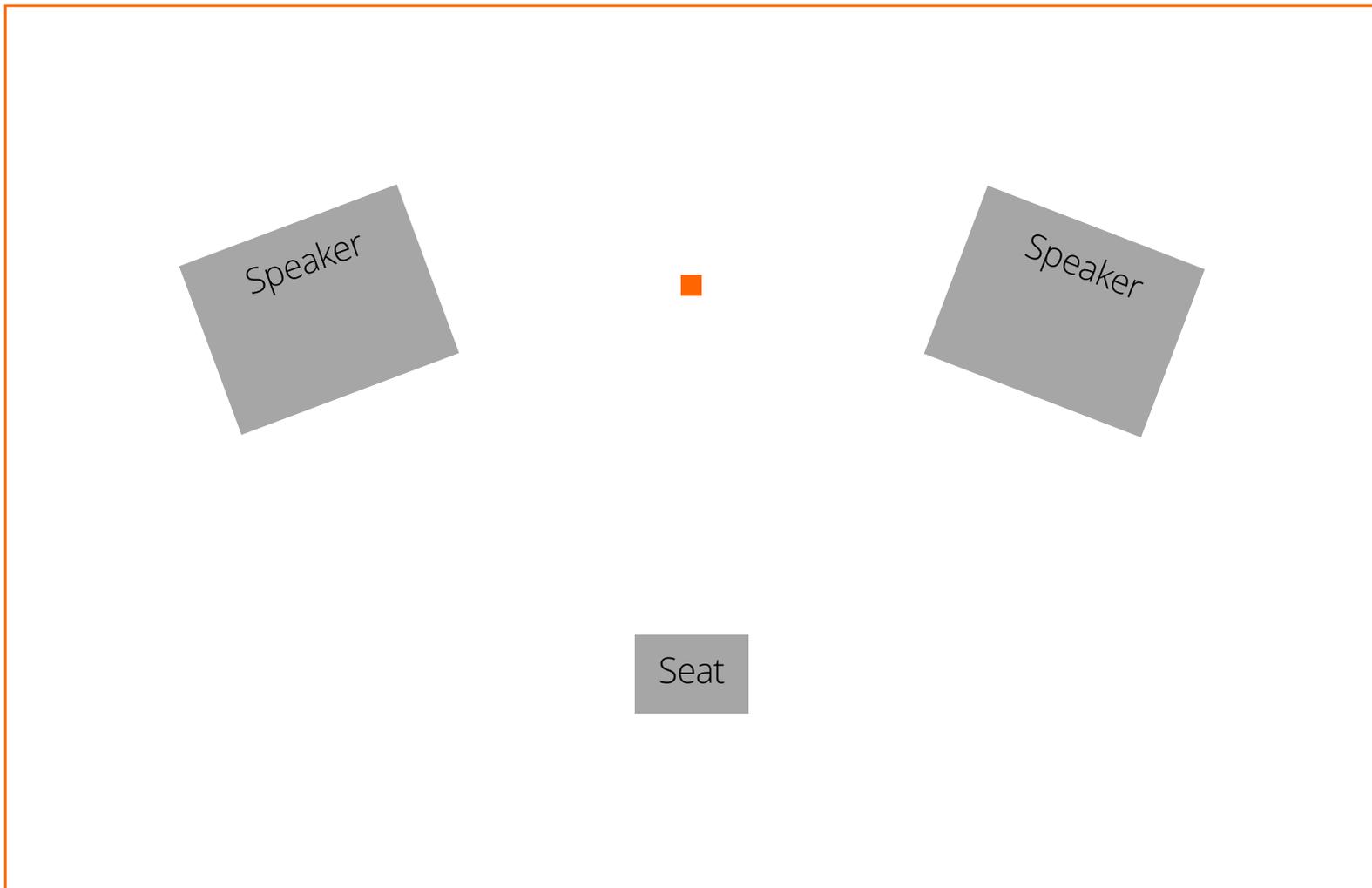
GIGA PICCOLO units may be placed **on a Hi-Fi device**.

All GIGA PICCOLO units are aligned uniformly and parallel to each other as follows: The back (on which the switch is located) points to the wall behind the speakers, the front (the LED is located near the front) points to the opposite wall.

The GIGA PICCOLO units on the loudspeakers may be aligned to the listening position to improve the focus of the sound.

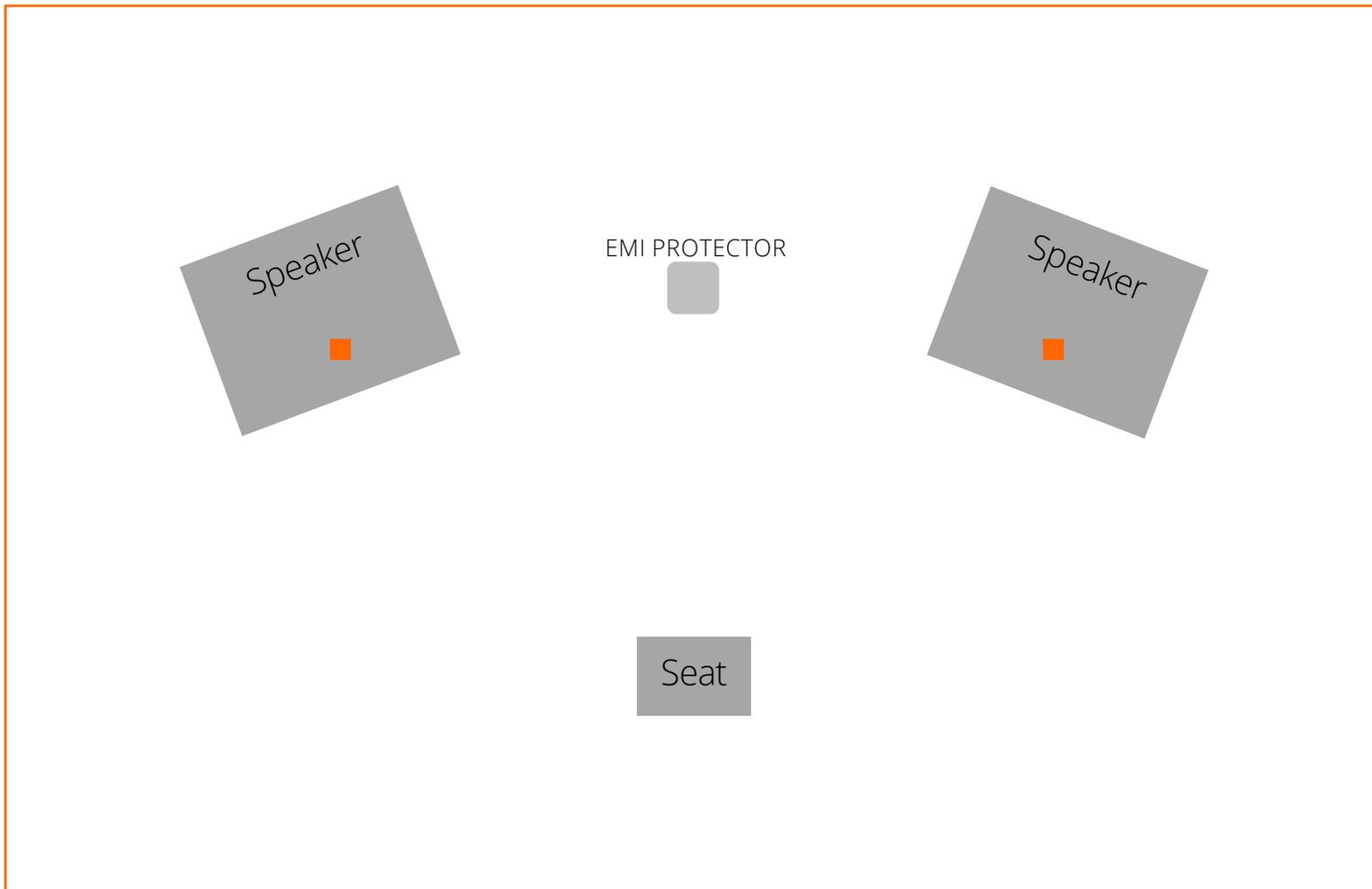
Optimal positioning height proved to be in the area of 1,10 – 1,80 m.

## Proven Positioning Variants



**1 x PICCOLO PROTECTOR:**  
1 unit on a Hi-Fi  
component or between the  
speakers

## Proven Positioning Variants

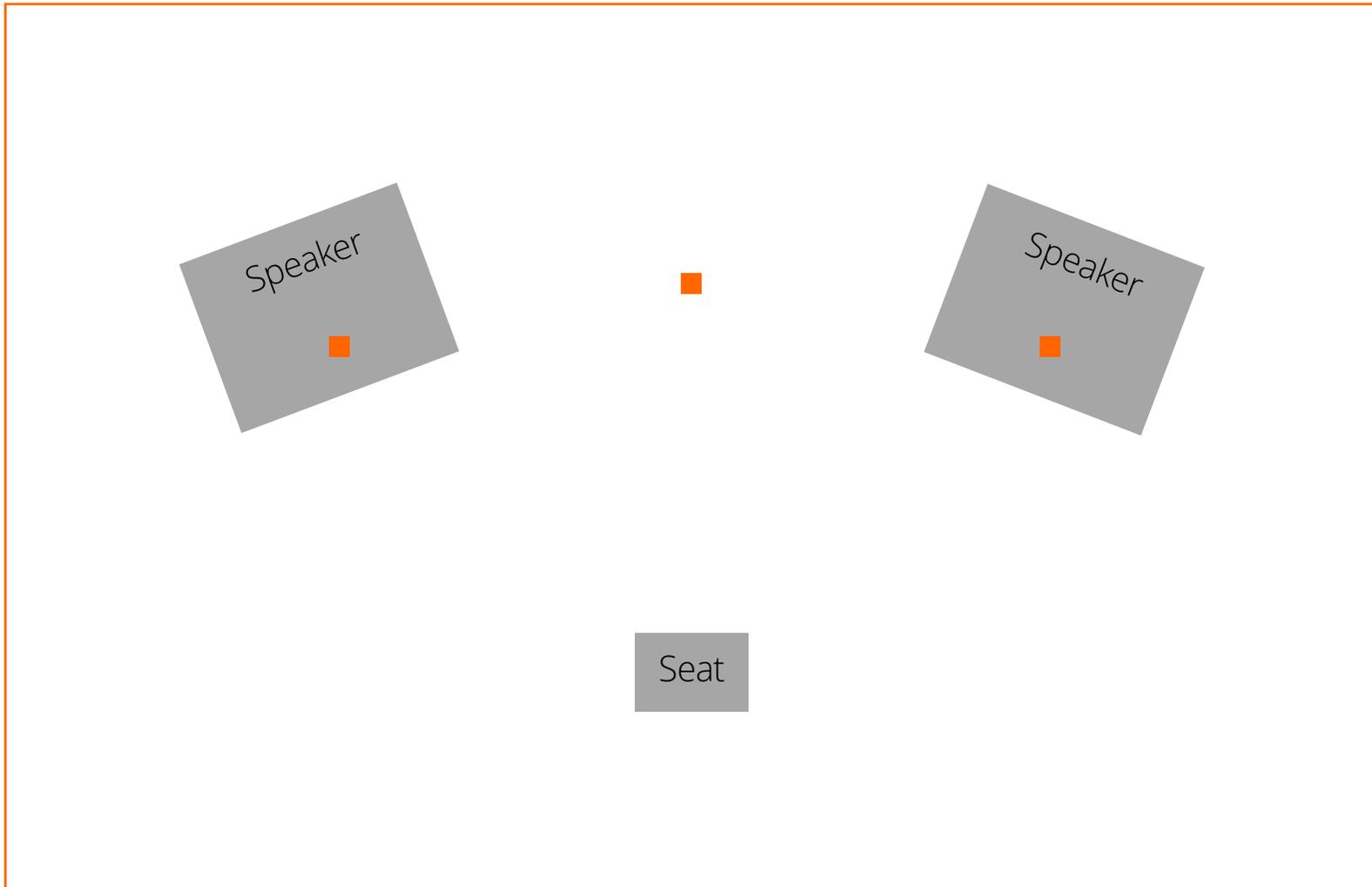


If an EMI-PROTECTOR  
is available:

2 x PICCOLO PROTECTOR:

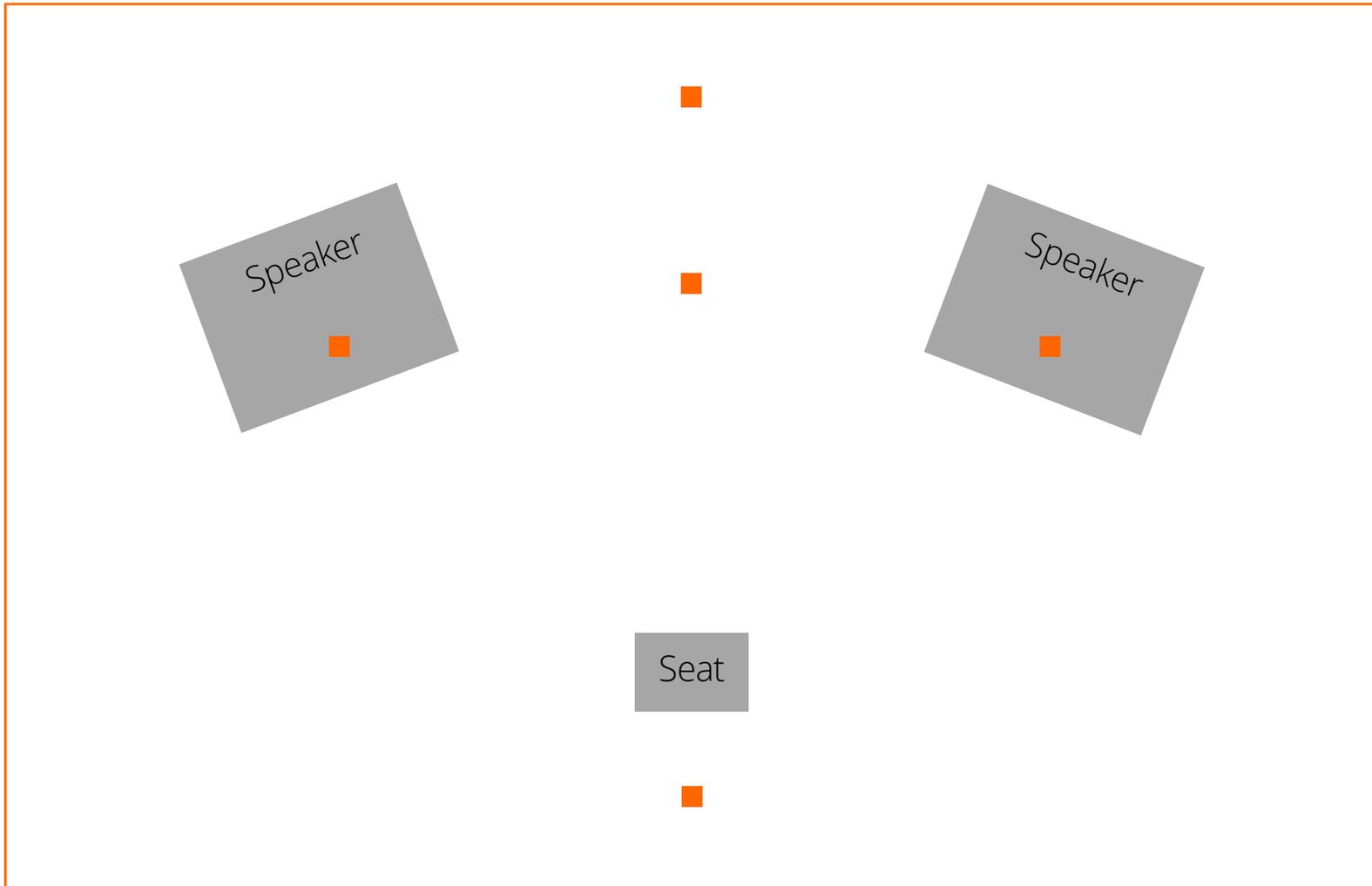
1 unit on each speaker

## Proven Positioning Variants



**3 x PICCOLO PROTECTOR:**  
1 unit on a Hi-Fi component or between the speakers  
1 unit on each speaker

## Proven Positioning Variants



### 4 or 5 x PICCOLO PROTECTOR:

1 unit on a Hi-Fi component or between the speakers

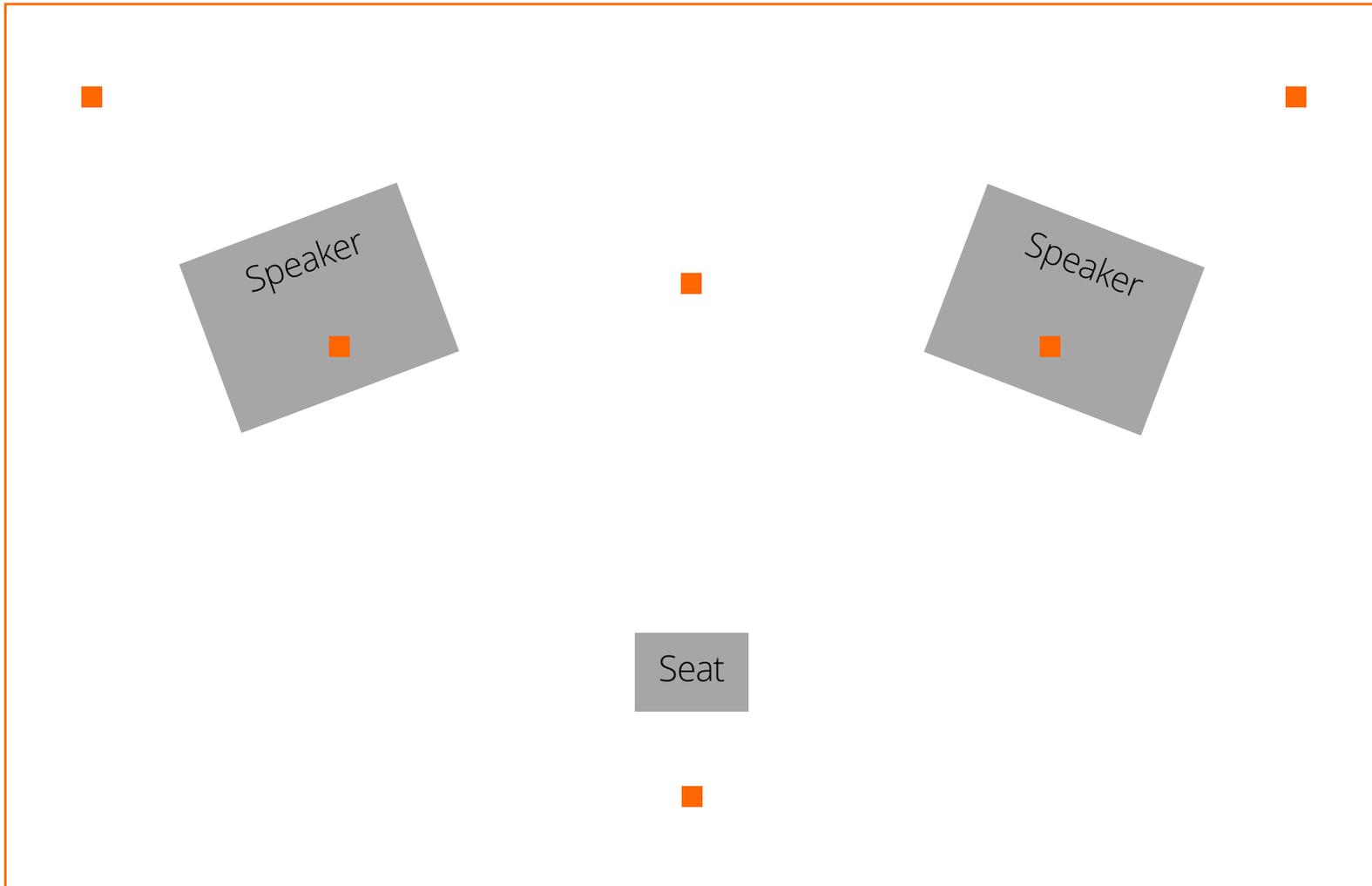
1 unit on each speaker

1 unit centrally at the front wall

and/or

1 unit at the wall behind the seat

## Proven Positioning Variants



### 6 x PICCOLO PROTECTOR:

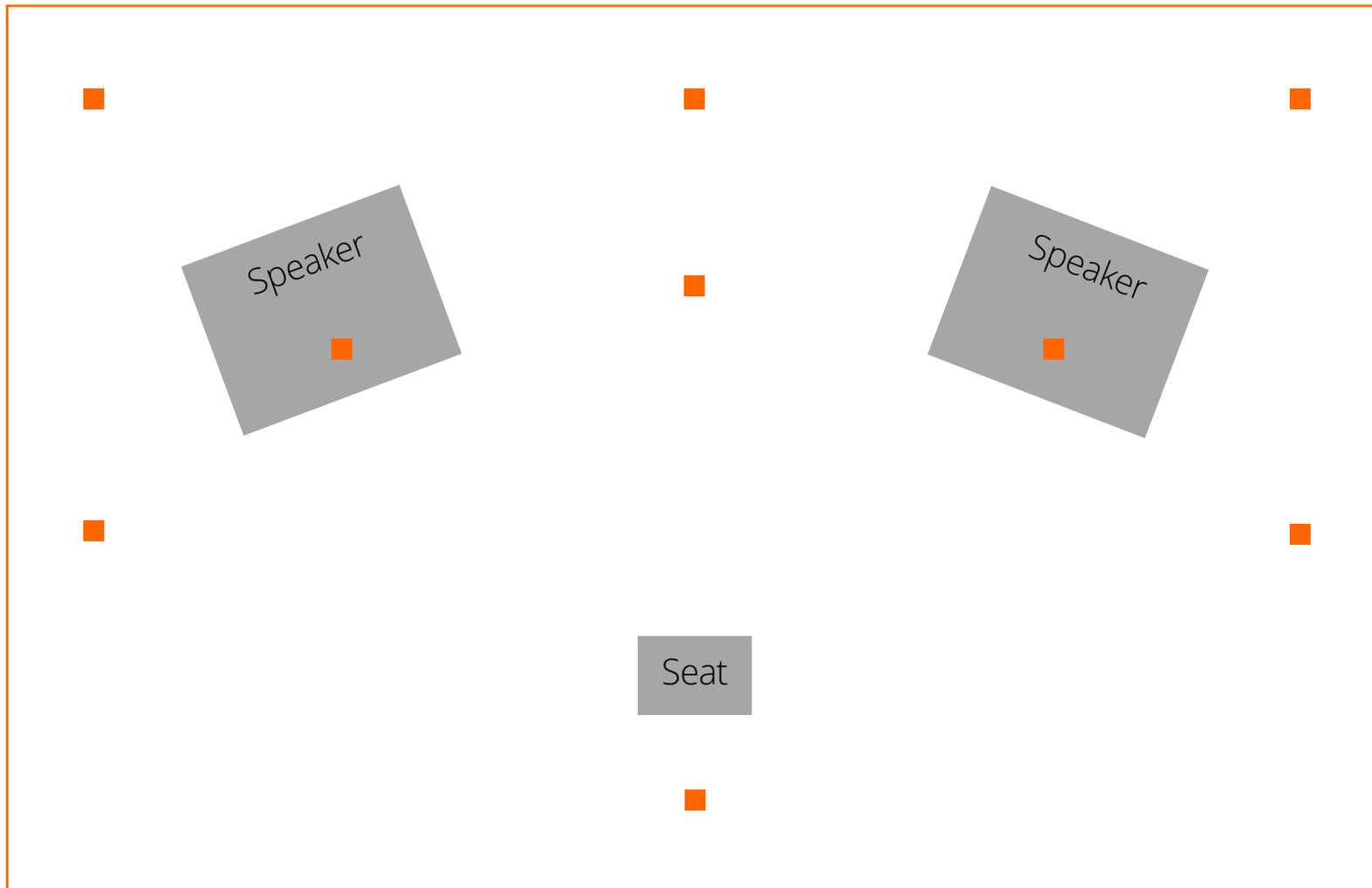
1 unit on a Hi-Fi component or between the speakers

1 unit on each speaker

1 unit each in the front corners of the listening room, left and right

1 unit at the wall behind the seat

## Proven Positioning Variants



### 9 x PICCOLO PROTECTOR:

1 unit on a Hi-Fi component or between the speakers

1 unit on each speaker

1 unit each in the front corners of the listening room, left and right

1 unit at the wall behind the seat

1 unit each left and right at the side walls above the seat

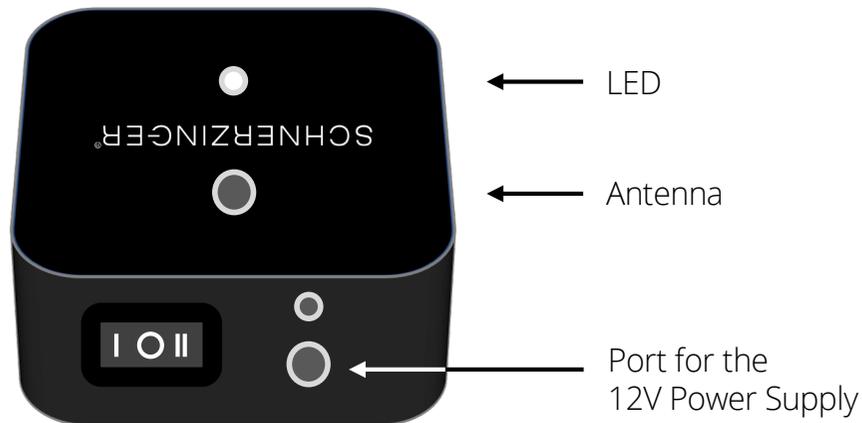
1 unit centrally at the front wall

## Setting up the GIGA PICCOLO PROTECTOR

The **GIGA PICCOLO PROTECTOR** 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 PICCOLO PROTECTOR

The **GIGA PICCOLO PROTECTOR** 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 PICCOLO PROTECTOR 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 MASTER resp. Additionally bend the antennas of all units at the hinge into a horizontal position and place the units on the floor. Keep these conditions for several hours, preferably overnight. This way you achieve that the GIGA PICCOLO PROTECTOR has no effect any more.

Upon recommissioning the interfering fields will be cleared again fast.

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