Installation

Paraphonic recommends that the Privacy Solution is installed by han- ging it from the ceiling utilizing the hanging connection items included. Measure the needed length for the metal wire. Cut the required two lengths from the 5m (16.4 ft) metal wire.

One end of the wires should be twisted through the holes in the acrylic wire locks that are placed e.g. on top of a suspended ceiling. The wire is then taken through the ceiling tile to the underside where the Privacy Solution will be attached.

Insert the metal hangers to the other end of both lengths of wire. To insert the hanger unscrew the lock on the other end of the hanger. First, insert the wire through the lock, then through the hanger. Finally tighten the lock so the wire won't slip.

To adjust the wire length, unscrew the lock on the hangers and press down the threads on the hanger to allow moving the hanger up or down on the wire

Always fix the loudspeaker securely so that it can not fall on anyone! Installation should be carried out by a skilled person. Not suitable for in-wall mounting.

Using the Sound Shower

in-wall mounting.

When gain is correctly set the Paraphonic Sound Shower will not clip even when driven with maximum volume setting of the driving device. Correct gain setting will give out maximum SPL without distortion.

In daily use it is not necessary to adjust gain on the Sound Shower. Volume level is adjusted either by the audio source or with the volume adjustment on the Sound Shower. Adjusting volume level all the time will affect all the Sound Showers driven with that source. Adjusting volume locally with the volume level buttons on the Sound Shower will only affect that particular loudspeaker.

The Sound Shower is turned off by disconnecting mains power by removing the power supply unit from the mains socket. Notice that disconnecting the power plug from the loudspeaker does not disconnect mains power from the power supply unit.

Using the Sound Shower

with mic input

To avoid pumping the volume level up and down, the volume level stays at this higher level for over 30 seconds Sound Shower will

In case the ambient noise level increases very quickly, the change is

If the ambient noise level changes. The automatic ambient noise level monitoring

Automatic volume adjustment

The volume level may be automatically adjusted to compensate ambient noise level changes. The automatic ambient noise level monitoring enables keeping the perceived volume at a desired level. This option may be enabled or disabled by using the right hand dip switch on the Sound Shower. When enabled the Sound Shower will monitor the ambient volume level and adjust the volume level automatically to compensate.

After the desired volume level is set with the volume level buttons on the Sound Shower, the Sound Shower will measure the ambient noise level during the next pause in the media and use these values as reference. The ambient noise reference will be measured during a 12s period, best results are obtained when the ambient noise is static during the reference measurement period. The ambient noise reference level will be measured every time after the volume level is adjusted. After the reference ambient noise level has been measured the volume level will be automatically adjusted if the ambient noise level changes. The ambient noise level is only measured when there is no media played. This is to avoid mixing the audio signal with the ambient noise.

If the used media has no pauses (a few second silences), it is advisable to stop the media for a while after setting the volume level in order for the loudspeaker to be able to measure the reference ambient noise level.

In case the ambient noise level increases very quickly, the change is
discounted by the Sound Shower. This is to prevent raising the volume level during announcements or other short events that suddenly raise the ambient noise level very high for a moment. If the ambient noise level stays at this higher level for over 30 seconds Sound Shower will interpret it as a non-temporary change and will adjust the volume accordingly.

To avoid pumping the volume level up and down, the volume level change is restricted to approximately 1,5dB at one measurement point (which corresponds to two adjustment steps (equivalent to two volume button presses).

Trouble shooting

- Green power led is not lit -> Check that the power unit is properly inserted into a wall socket and the plug is fully inserted into the amplifier power input.
- No sound, power led on -> Make sure audio is playing and that the audio source is properly connected to the Sound Shower. Also check that the volume is not on "mute".
- Weak sound -> check the gain dip switch position, input sensitivity setting and volume setting (press volume up repeatedly)

Sound Shower technical description

Physical dimensions and properties

Dimensions

Sound Shower 600: 200mm x 300mm x 34mm (h x l x w)
(23,6” x 23,6” x 1,3”)
Sound Shower 1200: 479mm x 304mm x 34mm (h x l x w)
(18,8” x 1,3”)

Weight

Sound Shower 600: 2,5kg (5,5lbs)
Sound Shower 1200: 2kg (4,4lbs)

Colour

White, black or aluminium grey.
Covering canvas changeable.

Installation

with adjustable metal wire hanging system (included).

Audio properties

Maximum output sound pressure level> 80dB

Operation principle

Bridged mono
(Internal stereo to mono conversion)

Frequency range

40Hz - 16kHz (6dB/oct.)

Audio footprint

Sound Shower 600: 1,5 m by 1,5 m (5 ft by 5 ft)
Sound Shower 1200: 1,5 m by 2 m (5 ft by 7 ft)

Automatic volume control relative to changes in ambient noise level (can be disabled)

Electrical properties

External power supply

24V / 400mA AC power supply
(US, UK or Europlug)

Use only Nordic Power models A32464C, A32464BC, A32464GBC or A32464JAC. Output plug diameter 2,1mm / 5,5mm (center / out).

Input impedance

50Ω

Input voltage

50mV - 2V, adjustable gain
3.5mm stereo jack, unbalanced

Adjustable input gain

Power indicator led (green)
Audio input overdrive indicator (clip) led (red)

IMPORTANT SAFETY INFORMATION

1. The active Paraphonic Sound Shower loudspeaker is designed to be used with supplied power source only. Power source models listed in technical description.
2. Disconnect unit from mains voltage before making any connections.
3. Read all documentation before operating your equipment.
4. Follow all instructions.
5. Do not remove the rear cover. No user serviceable parts inside.
6. Make sure power outlets conform to the power requirements.
7. Do not use the unit near high heat producing devices.
8. Do not use liquid or a liquid type cleaner that may impede the normal flow of air around the unit.
9. Do not use any other than the supplied AC power plug.
10. Do not plug into the wall outlet if the plug is damaged.
11. EQUIPMENT SHOULD BE INSTALLED AND SERVICED BY A SKILLED PERSON ONLY.
12. The product label is located on the loudspeaker rear plate.

For further information or any questions, please contact Panphonics service.
Panphonics Oy +358 9 8193 8950
Olamurmia 16 info@panphonics.fi
02206 Espoo, Finland / www.panphonics.fi

Dip switches

The two dip switches are used to choose between low and high input gain and ambient volume control on or off.

Maintenance

The Paraphonic Sound Shower does not need periodical maintenance. If needed the cover can be changed by gently pulling the covers out and placing a new one to its place. The canvas is gently put behind the frame. It is held in place by springs under the frame elements. If the canvas is moved during shipping it can be easily straightened out by pressing down gently with your hand fingers out and pulling the cover towards the edges and back under the edge.
Panphonics Oy

Manufacturer

PANPHONICS OY

Product names


We, Panphonics Oy, affirm that the products manufactured by us fulfill the relevant EU directives:

DECLARATION OF COMPLIANCE

The Sound Shower is equipped with an ambient monitoring audio footprint which continuously monitors the ambient noise level and adjusts the volume level if necessary. This feature may be turned off if wanted.

The Sound Shower is ideal for applications where a certain audio footprint is needed. The Sound Shower can create a clearly focused audio footprint without spreading the sound even in quiet spaces.

The Panphonics Sound Shower is a mono loudspeaker equipped with a Panphonics AA-40a amplifier and Panphonics audio elements. The AA-40a is designed to produce the needed 40Vrms to ... Panphonics audio elements. The Sound Shower can be connected directly to a program source, preamplifier or mixing systems.

Product Description

The defective Product must be shipped to Panphonics Oy on the purchaser's expense and risk. The purchaser is responsible for proper packaging of the Product to avoid damage during transportation. Panphonics Oy will not be held responsible for any damage caused to the Product during transportation to Panphonics Oy.

Terms of Warranty

Panphonics Oy supplies a limited warranty on its products. The period of warranty is twelve (12) months from the date the original purchaser took possession of the Product, or should have taken possession of the Product if the receipt of the Product was delayed due to circumstances beyond the control of Panphonics Oy. The period of warranty will continue unaltered until the end of the original period of warranty.

This Limited Warranty does not include defects caused by normal tear and wear, lack of proper maintenance, damage through corrosion or oxidation, war, rebellion, or other acts of war, seizure, or fire or other natural catastrophe, or any other act of God, or any other events beyond the scope of this Limited Warranty.

This Limited Warranty will not apply if the Product has been subject to any unauthorized alteration, repair, or installation.

Panphonics Oy will either repair the defective Product or replace it with a new Product, at Panphonics Oy's option. All replaced parts and equipment will become the property of Panphonics Oy.

It is a prerequisite for invoking the terms of this Limited Warranty that the purchaser provides a readable and unaltered original sales receipt or warranty card, which clearly sets out the name and address of the purchaser and the sale date. The purchaser must also provide proof of purchase in the form of a readable and unaltered original receipt or warranty card, which clearly sets out the name and address of the seller/supplier of the Product. The purchaser must provide Panphonics Oy with the serial number of the Product and the purchase date within thirty (30) days from the occurrence of the defect during the period of warranty.

Panphonics Oy will either repair the defective Product or replace it with a new Product, at Panphonics Oy's option. All replaced parts and equipment will become the property of Panphonics Oy.

Panphonics Oy's products are sensitive to mechanical and environmental damage. Panphonics Oy's Audio Elements have been tested at the place of manufacture in accordance with the quality control of Panphonics Oy.

Each notice of defects in the Product will be compared to the performance and technical data of the Product. However, Panphonics Oy reserves the right to have the Product examined by independent experts at the place of manufacture. Panphonics Oy will not be held responsible for any damage caused to the Product during transportation to Panphonics Oy.

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