

# DIRECTIONAL AUDIO



## Focus audio to a specific zone with Sound Shower® directional audio speakers.

*Banks, museum displays, exhibits, product promotion displays, digital signage, information systems, etc., all share the common need to have a focused audio message delivered to a specific area. Here, the best solution is Sound Shower® by Panphonics. Install it directly above the targeted area to create a precise audio footprint or horizontally to create a long audio corridor.*

**P**anphonics Sound Shower® is the premiere directional audio solution. Based on Panphonics Plane Wave technology, Sound Shower® creates a highly focused and directional audio footprint that delivers the message to the intended target without disturbing people in the surrounding environment.

Sound Shower® is so directional that several can be placed close together, each playing a different message, without disturbing each other.

Sound Shower® is a real shower of sound and has been used to create audio hotspots for museums, banks, retail shelves, digital signage displays, CD/DVD listening areas, etc. It reproduces audio clearly, even at very low volumes.

Sound Shower® has ambient volume control which automatically adjusts the volume level higher or lower depending on the environment. This ensures that increased noise levels do not drown the audio level out—even when things are busy the message can be clearly understood. Other features include a virtual base function for an improved listening experience as well as a USB port power out for portable media devices.

The speakers have a sleek look and slim structure and are easy to install in any environment. Architectural challenges are easy to overcome with Sound Shower® directional audio speakers from Panphonics.

**SOUND  
SHOWER®**

Sound Shower® directional audio speakers by Panphonics are available in a variety of sizes to meet any audio requirement. All product units include ready-to-go speaker with amplifier and fixture points for both horizontal and vertical installation.

# Technical Description

MODEL	SIZE (LxWxH), +/- 2 mm		WEIGHT		AUDIO FOOTPRINT (LxW)	
	mm	Inch	kg	lbs	m	Ft
60 x 60 (Square)	601 x 601 x 34	23.6 x 23.6 x 1.3	3	6.6	1.5 x 1.5	5 x 5
60 x 20	601 x 204 x 34	23.6 x 8.0 x 1.3	1.4	3.1	15 x 5 horiz.	50 x 15 horiz.
100 x 20	995 x 204 x 34	39.4 x 8.0 x 1.3	2.1	4.6	25 x 5 horiz.	80 x 15 horiz.
120 x 20	1195 x 204 x 34	47.0 x 8.0 x 1.3	2.7	6	1.5 x 2.0	5 x 7
180 x 20	1790 x 204 x 34	70.5 x 8.0 x 1.3	3.6	7.9	2.0 x 2.0	7 x 7
240 x 20	2385 x 204 x 34	93.9 x 8.0 x 1.3	4.8	10.6	2.5 x 2.0	8 x 7
300 x 20	2980 x 204 x 34	117.3 x 8.0 x 1.3	6	13.2	3.0 x 2.0	10 x 7



**MIC**   **POWER LED CLIP LED**   **VOL-**   **VOL+**   **DIPS**   **POWER OUT 5V / 100mA DC**   **AUDIO IN**   **GAIN**   **POWER IN**

**PANPHONICS SoundShower AA-100 amplifier**  
Serial No:

**Power Supply:** 24V ---  
**Audio input:** 2V max; 3,5mm st.plug,adjustable gain  
**Power rating:** 30W  
**Volume control:** Volume level is automatically controlled and adjusted according to ambient noise level. Please read the manual.  
[www.panphonics.com/downloads](http://www.panphonics.com/downloads)

SWITCH	UP	DOWN
1	LOW INPUT SIGNAL LEVEL (portable players etc.)	HIGH INPUT SIGNAL LEVEL (pro devices etc.)
2	AMBIENT CTRL OFF	AMBIENT CTRL ON
3	VIRTUAL BASS OFF	VIRTUAL BASS ON
4	STEREO SUM L+R	BALANCED MONO L-R

DO NOT OPEN COVER. NO USER SERVICEABLE PARTS INSIDE. USE FOR INTENDED PURPOSE ONLY. ONLY TO BE INSTALLED BY A SKILLED PERSON. ONLY USE WITH POWER SUPPLY MODELS SPECIFIED IN THE PRODUCT MANUAL. READ THE PRODUCT MANUAL!

CAUTION! RISK OF ELECTRIC SHOCK! DO NOT OPEN!

RoHS compliant

patent US6483924

## Installation:

Adjustable metal wire hanging system (included).  
VESA 100, 4 mm threads

## Audio properties:

Maximum output sound pressure level > 95 dBA (@5kHz)  
Frequency range 250 Hz - 17,4 kHz (-3 dB/oct.)

## Operation principle:

Bridged mono (internal stereo to mono conversion)

## Options:

(available upon request)

- Frame: other custom colors
- Cover canvas: RAL colors (absolute tone not guaranteed) and custom prints
- Installation threads on rear plate with customer specific pattern
- External amplifier

## Electrical properties:

Power supply: external 24 V DC power supply (US, UK or Europlug)

Output plug diameter 2,1mm / 5,5mm (center +).  
Use only power units supplied by Panphonics Oy.

Input impedance (audio IN) 10 kΩ

Input voltage (audio IN) 50 mV - 2 V, adjustable gain

Input (audio IN) 3,5mm stereo jack, type unbalanced stereo  
Adjustable input gain  
Power indicator LED (green)  
Audio input overdrive indicator (clip) LED (red)

Output for external device: 5V DC / 100mA , USB A type connector

Automatic volume control relative to changes in ambient noise level (can be disabled)  
Virtual bass, a low frequency enhancement (can be disabled)