



## SOUND SHOWER COMPACT LOUDSPEAKER & AUDIO AMPLIFIER AA-160e/AA-160MM

*Panphonics' revolutionary SoundShower® Compact speakers and AA-160 Audio Amplifiers mark a new era of directional audio products with unseen features and functionalities behind a multitude of audio solutions.*

*SoundShower® Compact speakers are highly stylish and produce much better audio quality than any other directional speaker in the market - enabling a large variety of completely new applications.*

*AA-160e is a universal audio amplifier and AA-160MM is optimized for music applications.*

### PRODUCT FEATURES:

- Highly directional audio using plane wave technology
- Clean and crisp audio with excellent clarity
- Light and easy to install
- High reliability
- Automatic Volume Control
- Remote Control (TCP/IP)
- Recyclable and natural raw materials used in manufacturing

# TECHNICAL DESCRIPTION

## Technical Highlights:

- Self-supporting speaker component with ultrathin (2 cm) form factor
- Extremely narrow audio footprint in vertical installations
- Extremely low attenuation allowing audio to reach long distance along tight corridors within horizontal installations
- Automatic calibration procedure and ready-made presets for any particular installation environment
- High reliability with MTBF above 70 years
- Extremely rapid Automatic Volume Control function
- Integrated equalizer optimizing lower frequencies for audio amplifier AA-160MM
- One Audio Amplifier can feed up to 9 speakers
- Both RCA and XLR audio input connectors



## Specifications:

	AA-160e	AA-160mm
<b>ELECTRICAL PROPERTIES</b>		
External Power Supply	+24 V DC, 2.5 A	
Input impedance, XLR	10 kOhm	
Input impedance, RCA	200 kOhm	
Input voltage, XLR	1.60 Vp-p	
Input voltage, RCA	1.32 Vp-p	
<b>AUDIO PROPERTIES</b>		
Max. sound pressure level with AA-160 amplifier	106 dBA, 1 kHz	
Frequency response	250 Hz - 16 kHz	Below 100 Hz - 16kHz
<b>OPERATIONAL PRINCIPLE</b>		
	Bridged Mono (internal stereo to mono conversion)	

*Panphonic is the world's leading provider of directional audio speakers. Founded in 1997 and headquartered in Finland, Panphonic delivers targeted audio solutions for acoustically demanding applications. Panphonic Sound Shower® directional audio speakers can be found in banks, retail stores, digital signage projects, museums, information kiosks, service stations, theaters, and offices throughout the world.*

## Installation:

**SSC 60x60:** Requires VESA 100-compatible brackets: 4XM4 5mm + bracket thickness  
**SSCP 60x60:** Compatible with VESA 100, 200, 400: 4XM4 12mm + bracket thickness

## Color options for speaker surface:

White / Black / Cloud-image (blue - white)

## Operational conditions:

**Temperature:** 0-40°C

**Humidity:** Maximum 60% (non-condensing)

## Product packaging:

### SSC 60x60 includes:

AA160e / SSC speaker / Attachment brackets / Speaker cable / Ambient Microphone / Power Supply Unit

### SSCP 60x60 includes:

SSC Speaker / Speaker cable

### AA-160e/AA-160MM includes:

AA-160e or AA-160MM / Power Supply Unit / Ambient Microphone

## Options:

- Y-cables for multiple speakers
- Extension cables for speakers

## Dimensions:

MODEL	SIZE (LxWxH)	WEIGHT
		mm
SSC 60X60 Speaker	596X596X73	2.9
SSCP 60X60 Speaker	596X596X20	1.8
AA-160e/AA-160MM Amplifier	161X163X48	0.8

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