



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
ELECTRICAL PROPERTIES		
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	
AUDIO PROPERTIES		
Max. sound pressure level with AA-160 amplifier	106 dBA, 1 kHz	
Frequency response	250 Hz - 16 kHz	Below 100 Hz - 16kHz
OPERATIONAL PRINCIPLE		
	Bridged Mono (internal stereo to mono conversion)	

Panphonics is the world's leading provider of directional audio speakers. Founded in 1997 and headquartered in Finland, Panphonics delivers targeted audio solutions for acoustically demanding applications. Panphonics 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:

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:

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	kg
SSCP 60X60 Speaker	596X596X20	1.8
AA-160e/AA-160MM Amplifier	161X163X48	0.8

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