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 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:**

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

**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:**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SIZE (LxWxH)</th>
<th>WEIGHT</th>
<th>mm</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSCP 60x60 Speaker</td>
<td>596X596X20</td>
<td>1.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AA-160e/AA-160MM Amplifier</td>
<td>161X163X48</td>
<td>0.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.