IS column speakers are a cost-effective way to provide precise vertical dispersion, and consistent sound levels front-to-back of a venue... especially when combined with Ashly amps and processors that incorporate Protea or AquaControl™ software (see page 4).

They fit perfectly next to flat-screens in conference rooms. Combined with an SP 12.1P sub, you can create an effective “system on a stick” for churches, wedding receptions and corporate events.

Both models ship with flush-mount brackets. Two IS speakers can be joined with an optional joining bracket. Pole and tripod mounts are also available.

Available in Black and White.
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Data Sheet begins on the next page.

*Done so that those fortunate to have printers with 2-sided printing capabilities can print out the Data Sheet on one sheet of paper.
IS Series are slim column array speakers designed to deliver high-quality speech and music in venues that require high intelligibility, low physical profile and wide, yet consistent coverage.

They are a cost-effective way to provide vertical pattern control, and consistent sound levels front-to-back of a venue... especially when combined with Ashly amps and processors that incorporate Protēa or AquaControl™ software (see next page).

IS columns fit perfectly next to flat-screens in conference rooms; combined with an SP 12.1P sub, you can create an effective "system on a stick" for churches, wedding receptions and corporate events.

Their durable all metal enclosures will withstand the rigors of portable use, as well as installation and an impedance switch (8 Ω/32 Ω) allows use for both 2/4 speaker or multiple speakers per channel (i.e. distributed) configurations, without loading down the amplifier and without the need for transformers.

Available in two configurations: IS 2.8P 2” x 8 Column and IS 3.8P 3” x 8 Column, they are designed to provide optimum performance when used with Ashly's Protea or AquaControl-based DSP.

Two speakers may be stacked (using the optional plate) for additional throw where needed.

Add the SP-12.1P 12” Subwoofer for a kicking low-frequency response.

Flush wall brackets are supplied. Other mount options are also available. Available in Black or White.

Eight IS columns • 320 setting @ 50W each

Ashly nXp 4004, 8004, or ne4250 4-channel amplifier with Protēa

4 x 400 W @ 4 Ω

Eight IS columns • 320 setting @ 50W each

8 Ω/32 Ω switch allows use for multiple speakers per channel (i.e. -distributed) configurations, without loading down the amplifier and without the need for transformers.
Further sonic enhancement with Protēa and AquaControl™ software presets for selected Ashy amplifiers and processors.

IS speakers will please you with their performance and price. But specify...

- nXp series multi-mode amps with Protēa
- Péma series Protēa-enabled amps
- ne2450pe and ne8250pe network-enabled amp with Protēa
- ne series processors with Protēa
- or nXa-1502 mix amp with AquaControl and get:

- Directivity-weighted, optimized linear frequency response
- Universal crossover implementation for use with subwoofer and full-range speakers
- FIR-corrected linear phase response above about ~300 Hz

Optimized linear frequency response and universal crossover implementation only are available on ne24.24m.

### IS 2.8P IS 3.8P

<table>
<thead>
<tr>
<th>Transducer</th>
<th>8 x 2-inch (51 mm) Neodymium</th>
<th>8 x 3-inch (76 mm) Neodymium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response</td>
<td>115 Hz – 20 kHz</td>
<td>105 Hz – 19 kHz</td>
</tr>
<tr>
<td>Sensitivity (ref 2.83V)</td>
<td>88 dB</td>
<td>95 dB</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>8 Ω / 32 Ω switchable</td>
<td>8 Ω / 32 Ω switchable</td>
</tr>
<tr>
<td>Maximum Continuous SPL, @ a MIV (continuous / peak)</td>
<td>104 dB / 115 dB</td>
<td>113 dB / 124 dB</td>
</tr>
<tr>
<td>Maximum Continuous SPL, calculated from power handling (continuous / peak)</td>
<td>109 dB / 115 dB</td>
<td>119 dB / 125 dB</td>
</tr>
<tr>
<td>Maximum Input Voltage (MIV)</td>
<td>28 dBV, 25.1 V (equivalent to 80 W into rated impedance)</td>
<td>30 dBV, 31.6 V (equivalent to 125 W into rated impedance)</td>
</tr>
<tr>
<td>Power Handling</td>
<td>120 W</td>
<td>240 W</td>
</tr>
<tr>
<td>Beamwidth</td>
<td>Horizontal: 190° Vertical: 30°</td>
<td>Horizontal: 170° Vertical: 25°</td>
</tr>
<tr>
<td>Directivity Index (DI)</td>
<td>14.4 dB</td>
<td>11.8 dB</td>
</tr>
<tr>
<td>Directivity Factor (Q)</td>
<td>27.4</td>
<td>15.2</td>
</tr>
<tr>
<td>Input Connectors</td>
<td>2 x ¼-inch (6.3 mm) phone jack 1 x 2-position Euroblock</td>
<td>2 x NL4 SpeakOn 1 x 4-position Euroblock</td>
</tr>
<tr>
<td>Mounting Provisions</td>
<td>IS-TWM Tilt Wall Mount IS-FWM Flush Wall Mount Bracket (included)</td>
<td>IS-TWM Tilt Wall Mount IS-FWM Flush Wall MountBracket (included)</td>
</tr>
<tr>
<td>Enclosure Material</td>
<td>Aluminum</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Dimensions (HxWxD)</td>
<td>24.00 in. x 2.76 in. x 3.54 in. 610 mm x 70 mm x 90 mm</td>
<td>31.77 in. x 4.06 in. x 5.12 in. 807 mm x 103 mm x 130 mm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>6.4 lbs. / 2.9 kg</td>
<td>12.8 lbs. / 5.8 kg</td>
</tr>
<tr>
<td>Recommended amplifiers</td>
<td>Single-channel: nXp 400 or higher Bridged: nXp 400 or higher Pema 4125, 4250, 8125, 8250</td>
<td>Single-channel: nXp 400 or higher Bridged: nXp 400 or higher Pema 4125, 4250, 8125, 8250</td>
</tr>
</tbody>
</table>

1) With recommended processing (see previous page)
2) Referenced to 1 m
3) The maximum input voltage (MIV) is determined by no more than a 3 dB change in the frequency response of the loudspeaker system
4) Averaged from 400 Hz to 10 kHz

The switch that gives you a “distributed” system with up to 32 IS speakers... but without having to use transformers.

IS 2.8 P and 3.8P column speakers are switchable to 32-ohm mode.

### USER MANUAL


### AW SERIES ARCHITECT & ENGINEERING SPECIFICATIONS

- in .txt and MS Word .docx format are available in the DOWNLOADS section of [http://ashly.com/IS series](http://ashly.com/IS series)

### AW SERIES 2D AUTOCAD FILES

- are available in the DOWNLOADS section of [http://ashly.com/IS series](http://ashly.com/IS series)
IS Series Dual-Impedance Column Speakers

IS 3.8P Frequency Response (On-Axis)

IS 2.8P Frequency Response (On-Axis)

IS 3.8P Frequency Response (Listening Window)

IS 2.8P Frequency Response (Listening Window)

Two IS 2.8PWs with IS-JP2 Joining Bracket

IS-PM6B Pole Mount

SP 12.1PW Subwoofer

SP 12.1PB Subwoofer

IS-TR7B Tripod Mount

Flush Mount brackets (included with IS 2.8Ps and IS 3.8Ps)

IS-JP2B Joining Bracket shown on two IS 2.8PWs

IS-TWM Tilt/Swivel Mount for IS 2.8Ps and IS 3.8Ps