The XLE181 is a 2-way using a single 8” neodymium LF transducer and two neodymium 2” voice coil compression drivers combining through 2 hydra plane wave generators into a 120° x 10° waveguide. The XLE181 can be used in biamp or full-range modes using a sophisticated internal passive network. It is designed for use in arrays of four or more elements. The XLE181 delivers full bandwidth audio with precise, predictable coverage control. Integrated rigging with hinge points located correctly between array elements is simple to use and quickly provides uncompromised line array performance.

The XLVC family consists of two full-range systems with dual woofers, two full-range systems with single woofers and a subwoofer system. The dual-woofer versions include the XLD281 with a 120° horizontal coverage pattern and the XLD291 with a 90° horizontal coverage pattern. The single woofer versions include the XLE181 with a 120° horizontal coverage pattern and the XLE191 with a 90° horizontal coverage pattern. LAPS2 modeling software quickly provides array configurations and rigging information.

X-Line Very Compact delivers unprecedented performance in applications ranging from live reinforcement to performing arts venues to houses of worship.

**Technical specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response (-3dB)</td>
<td>90 Hz-18 kHz(^1)</td>
</tr>
<tr>
<td>Frequency Range (-10 dB)</td>
<td>75 Hz-20 kHz(^1)</td>
</tr>
<tr>
<td>Max Calculated SPL</td>
<td>137 dB Cont., 143 dB Peak(^2)</td>
</tr>
<tr>
<td>Horizontal Coverage</td>
<td>120°</td>
</tr>
<tr>
<td>Vertical Coverage</td>
<td>Array Dependant, Software Definable</td>
</tr>
<tr>
<td>Rigging</td>
<td>Fully Captive Aluminum, 1° increments, 16 elements with 8 to 1 Safety Factor</td>
</tr>
<tr>
<td>LF Power Handling</td>
<td>200W Cont., 800W Peak</td>
</tr>
<tr>
<td>HF Power Handling</td>
<td>80W Cont., 320W Peak</td>
</tr>
<tr>
<td>LF to HF Crossover Frequency</td>
<td>1760 Hz(^3)</td>
</tr>
<tr>
<td>LF Passband</td>
<td>1 x 8 inch DVN2080, 16 ohms</td>
</tr>
<tr>
<td>HF Passband</td>
<td>2 x ND25-8, 16 ohms</td>
</tr>
<tr>
<td>Connectors</td>
<td>2 x NL8</td>
</tr>
<tr>
<td>Enclosure</td>
<td>13-ply birch plywood with EVCoat</td>
</tr>
</tbody>
</table>
Grille: Galvannealed steel with powder coat paint

Environmental Specifications: IEC 529 IP24, MIL 810

Dimensions (H x W x D): 9.90 in x 20.30 in x 14.52 in (251 mm x 516 mm x 369 mm)

Net Weight: 38 lb (17.2 kg)

Shipping Weight: 41 lb (18.4 kg)

1 Full Space Measurement of four (4) elements.
2 Full Space Measurement of HF section of four (4) elements, SPL adjusted for 1 m distance.
3 Use EV signal processing or download presets from Electro-Voice website.

System overview

Beamwidth:

Impedance:

Grid Drawing:

Block Diagram:

Connection Chart:

(Pins 1 and 2 Pass Through)

<table>
<thead>
<tr>
<th>LF:</th>
<th>Pins 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF/HF:</td>
<td>Pins 3</td>
</tr>
<tr>
<td>HF:</td>
<td>Pins 4</td>
</tr>
<tr>
<td>Pins 4 Pass Through</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions:

Compatible System Solutions:

XLE191 90° Full-Range Line Array Element

XCS312 Triple 12 inch Cardioid Compact Controlled-Coverage Bass Element (Requires AGSE)

Compatible System Solutions, Electronics:

CP3000S Precision Series Power Amplifier

CP4000S Precision Series Power Amplifier

TG5 Tour Grade Power Amplifier

TG7 Tour Grade Power Amplifier

Dx46 Digital Sound System Controller

N8000 NetMax 300 MIPS Digital Matrix Controller
Ordering information

XLE181 2-Way, High-Output, Very Compact Line-Array Element Black
XLE full-range cabinet, 1 x 8”, 2 x ND2, full-range or bi-amp mode switchable, 10° vertical angle, 120° horizontal angle, integrated rigging system, black
Available in EMEA regions only
Order number EV-XLE181

XLE181 2-Way, High-Output, Very Compact Line-Array Element Black
XLE full-range cabinet, 1 x 8”, 2 x ND2, full-range or bi-amp mode switchable, 10° vertical angle, 120° horizontal angle, integrated rigging system, black
Order number XLE-181-BLKLB

XLE181 2-Way, High-Output, Very Compact Line-Array Element White
XLE full-range cabinet, 1 x 8”, 2 x ND2, full-range or bi-amp mode switchable, 10° vertical angle, 120° horizontal angle, integrated rigging system, white
Order number XLE-181-WHTLB

Accessories
AGSE-BLK Adaptor Grid Black
Adaptor grid XCS312 - XLE181, black
Order number AGSE-BLK_GLN

AGSE-CCA Adapter Grid Clear Coated
Adapter grid to attach to XLC312; clear coated
Order number AGSE-CCA_GLN

CBEAM Coupler Beam
Coupler beam for connecting XLD/XLE grids
Order number CBEAM_GLN

XGS-4 Groundstack Kit
XGS-4 groundstack kit for XLD or XLE and XCS312
Order number XGS-4_GLN

XLE GRID
XLE system aluminum grid for up to 16 x XLE181/ XLE191
Order number XLE GRID_GLN

XLVC-BGK Bottom Grid Kit
Bottom grid kit for XLD and XLE systems
Order number XLVC-BGK_GLN

XLVC-TAE Tilt Angle Extender
Tilt angle extender for XLD and XLE systems
Order number XLVC-TAE_GLN

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www.electrovoice.com

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