



The QSC ISIS WideLine is a full-range, wide-angle line array speaker system designed for ballrooms, theaters, nightclubs, concert halls, and houses of worship. The WideLine features an open, natural sound and an exceptional 140-degree horizontal dispersion pattern—the widest of any line array system currently available. As with all ISIS products, the emphasis is on rapid set-up, accurate audio performance, and reduced labor requirements.

Incorporating a selectable 3-way, bi-amp or tri-amp design, the WideLine's internal mid-range frequency shading can be switched to either of the two woofers. Both drivers handle the low frequencies, but only one driver handles the mids, creating vastly smoother pattern control at the mid-high crossover. The selectable frequency-shading circuit enables the operator to redirect mid-bass build up without touching the EQ, for improved intelligibility in an otherwise problematic frequency range. The switch allows the sound engineer to orient the enclosure's low frequency pattern for use as either house left or right, without the need to flip boxes. The extreme wide coverage pattern reduces the need for front fills, outfills or center fills.

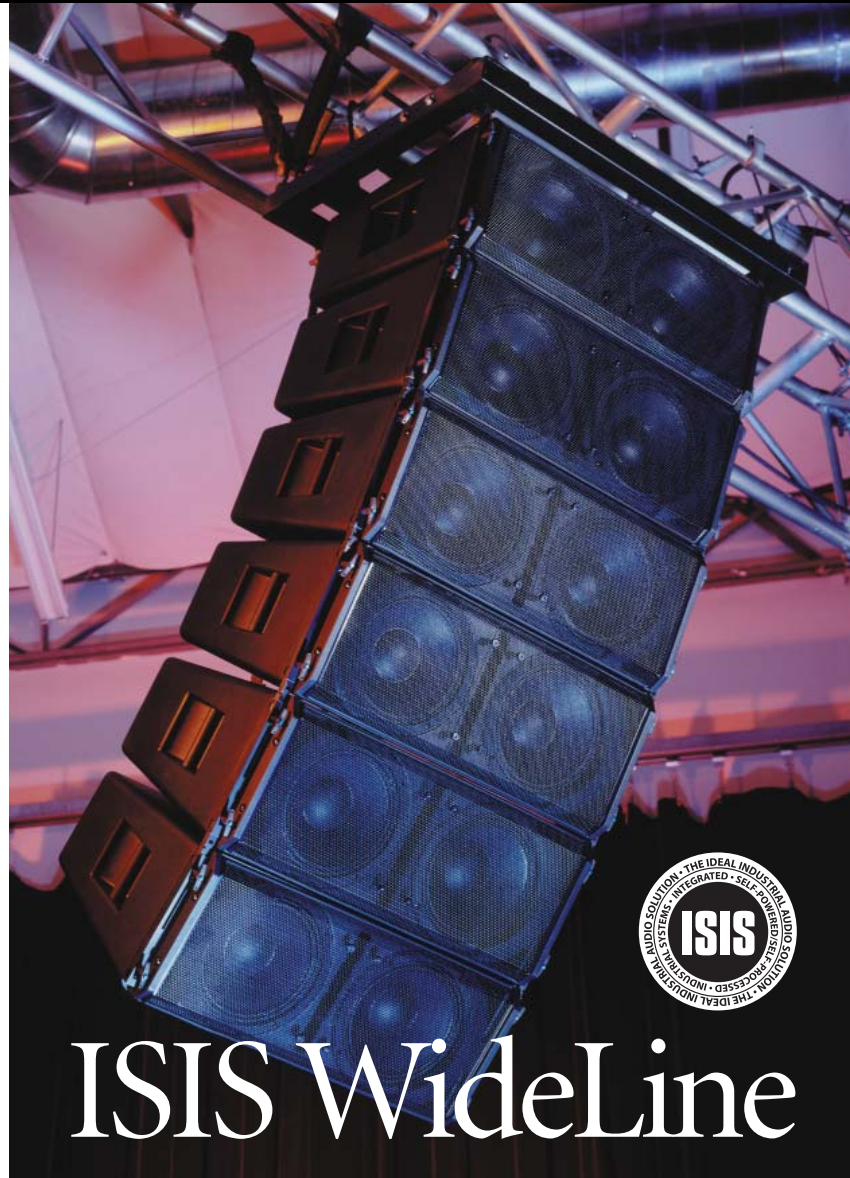
The WideLine's low frequency impedance allows three or four elements per channel of amplification, and a 3-piece stack makes an ideal companion for the ISIS 215 powered subwoofer, with matching dimensions and acoustic performance. Each Wideline element uses dual 16-ohm, 10", long-throw LF speakers in a ported trapezoidal enclosure. The high frequency driver is a 1.4" exit, 3" 16-ohm, neodymium compression driver, mounted on a proprietary multiple aperture diffraction-slot waveguide. This patent-pending device produces the ideal linear source needed for good line array performance, and facilitates the enclosure's exceptionally wide dispersion.

The enclosure's lightweight, cored-composite construction weighs only 70 pounds per element, with all rigging included—less than half the weight of conventional designs. The rigging hardware provides easy adjustment of the vertical splay angle, (0°-10°), employs a fully captive hardware design for box to box attachment, and is rated for up to 16-enclosure arrays, with a 5:1 safety factor. Along with the dedicated flying grid, a second stacking grid is also available to mount directly to the 215PCM subwoofers.

Combined with the ISIS 82H, 102W, 122M, 152M, 215PCM and 218PCM, the WideLine array system provides the most comprehensive toolbox for any SR professional.

Key Features

- Multiple aperture, diffraction slot waveguide provides exceptionally wide dispersion (140°) and a near-ideal line source
- Higher power handling than other compact line array systems
- 3-way, bi-amp or tri-amp design with selectable frequency shading between the enclosure's two woofers
- Dual 10", 16-ohm long excursion, high power, low frequency transducers
- Single 1.4" exit, 3" diaphragm, 16-ohm neodymium high frequency compression driver
- Bass reflex, trapezoidal enclosure
- Enclosure is weather and UV resistant
- Cored Composite construction results in greater enclosure rigidity, increased output, and lighter weight (70 lb, 31.8 kg, with hardware)
- Fully captive hardware design incorporates all components necessary for box to box rigging (less the fly grid)

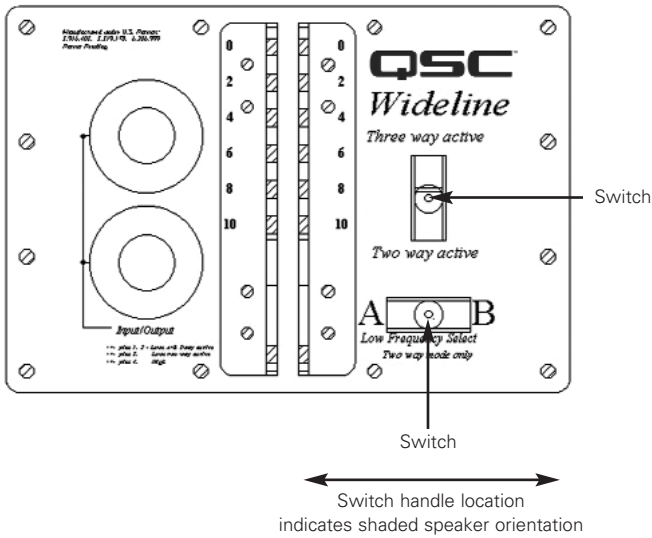


ISIS WideLine

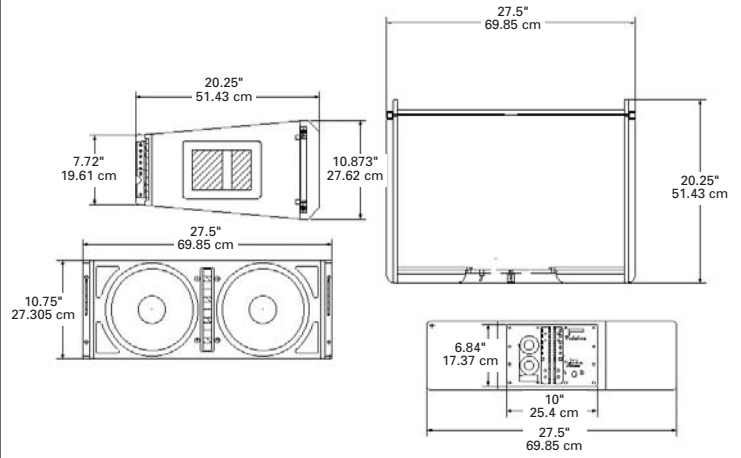
| Specifications | ISIS WL 2102 |
|---|---|
| Configuration | Three-way, Bi-amp or Tri-amp mode |
| Transducers Low Frequency Transducer High Frequency Transducer | Dual 380 W RMS, 16 Ω, 10", long-throw Single 80 W RMS, 16 Ω, 1.4" exit, 3" diaphragm, neodymium compression driver |
| Frequency Range Frequency Response | 55 Hz - 18 kHz, at 3 dB down points |
| Nominal Impedance | 8 Ω LF in Bi-amp mode, 16 Ω LF in Tri-amp mode 16 Ω HF |
| Max Recommended Power | 700 W RMS, LF, 700 W RMS, MF, 300 W RMS, HF |
| Sensitivity (2.83 V, 1 m) | 97 dB in Bi-amp mode, 99 dB in Tri-amp mode |
| Nominal Coverage | Horizontal: 140° Vertical: Dependent on number of elements used |
| Cabinet Type | Ported, trapezoidal |
| Enclosure | |
| Material | Cored composite laminate |
| Finish | Black texture coat |
| Grille | Heavy duty powder coated steel |
| Connectors | (2) NL8 |
| Attachment Points | Self contained rigging configuration |
| Weight | 70 lb (31.8 kg) net |
| Dimensions | 10.75" H x 27.5" W x 20.25" D 27.3 cm H x 69.85 cm W x 51.43 cm D |

ISIS WideLine Frequency Response and Impedance / Enclosure Dimensions

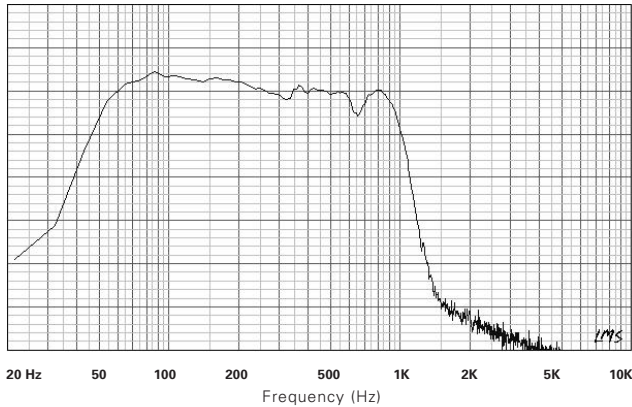
WideLine Rear Panel



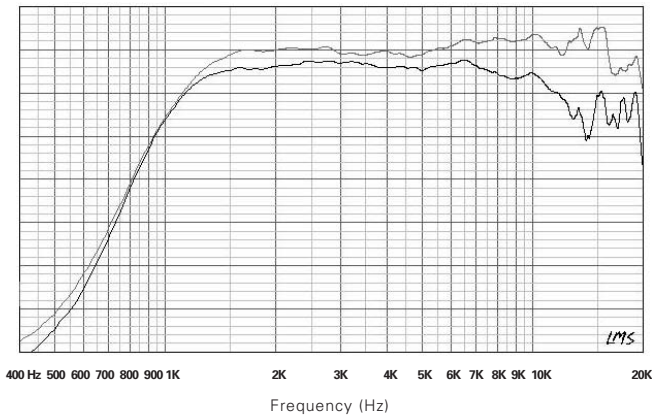
Physical Dimensions



WideLine LF Response (Stack of four enclosures: 1.2 kHz crossover)



WideLine HF Response (Top curve: on axis; Bottom curve: 70° off axis)



QSC™

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