

Features

- Downfill for MLA system
- Three-way all-horn design delivers LF/MF/HF peak SPL's of 139/139/140dB
- 120°H x 20°V coverage
- 52Hz-18kHz \pm 3dB full bandwidth frequency response

Applications

- Large-scale touring sound reinforcement for outdoor festivals, stadia, arenas and concert halls
- Premium fixed installations in concert halls, theatres and sports venues



In order to match the performance and tonal balance of MLA, the MLD has been designed around the same acoustic format and electronics package. Coherent arrays of MLA and Downfill can easily be constructed to seamlessly cover the audience planes. The MLD Downfill is an important MLA system component. Using just one – or at most - two Downfills to cover the first few rows maximises the projection and efficiency of the entire array.

Line array systems project, or throw better when the inter-cabinet angles are small. Unfortunately real-world requirements often dictate that the flown array must cover right up to the stage barrier. Arrays designed in this manner take on the familiar, highly-curved, banana shape. This is wasteful of array elements as almost half the array ends up being used to cover the first thirty metres/one hundred feet - leaving fewer boxes to reach the back seats.

The solution is to add a cabinet with a wider vertical dispersion. In the Downfill's case this is 20°. Using only one - or at the most two - Downfills at the bottom of an array results in a lower curvature more directional array that projects much further and covers right up to the stage barrier.

The Downfill's benefits are not confined to the vertical plane. With an extremely wide horizontal dispersion of 120°, the Downfill reaches to front-row-central as well as the ends of the front rows.

Our HiBlade™ patent-pending technology ensures ultra-high frequencies propagate right out to the edges of the dispersion pattern. Conventional 120° horns without this device tend to lose high frequency sparkle rapidly, as the listener moves off axis.

