

True Sound Engagement in Large Venues

The **HLA-1620P** is a hybrid integration of a sixteen element J-array loudspeaker and a dipole directional low frequency loudspeaker. It is powered by two Powersoft internal 1500W amplifiers with on-board DSP.

The J-array portion contains sixteen 3.5" mid-frequency drivers and sixteen ribbon high frequency

drivers. The low frequency portion incorporates two 14" high-output low frequency drivers in a dipole configuration to extend vertical LF control.

It has been preconfigured in an asymmetrical 120° H by 20° V coverage pattern with vertical directivity to 135 Hz, and low frequency response to 50 Hz.



Key Features

- *Asymmetrical 120° H X 20° V Coverage*
- *Power And Dsp By Powersoft*
- *Maintains Vertical Control To 135 Hz*
- *Available In Two Standard Colors Black [Blk], White [Wht], Or Custom Color [Cst]*

Applications

- *Large Format Video Walls*
- *Houses Of Worship*
- *Lecture Halls*
- *Presentation & Training Spaces*
- *Auditorium & Performance Spaces*
- *Sporting Venues*

Technical Specifications

DESCRIPTIVE DATA

System configuration	Biamped hybrid integration of a curvilinear M/H line array and a low frequency dipole
Components & Loading	(16) 3.5" MF drivers; (16) 3" ribbon HF drivers; (2) 14" LF drivers
Input	Balanced line level, XLR & XLR loop through
Enclosure Type	Curvilineararray; sealed enclosure. Dipole LF: sealed enclosure
Enclosure Material	Steel, aluminum, and multi-ply baltic birch
Suspension	(2) 3/8-16 threaded points located one on each side @ center of mass, steel yoke included
Grille	Painted perforated steel.
Color	Standard colors are Black [BLK] or White [WHT], custom colors are also available [CST].

ACOUSTICAL DATA

Frequency Response	50 Hz-20 KHz ±3dB
Coverage	120° H x 20° V
Long-term Output	123 dB
Peak Output	129 dB

AMPLIFICATION

Managed Class D Power Amp	2 x 1500 Watts RMS
AC Power	85VAC-265VAC, 50 or 60 Hz

PHYSICAL

Height	55.14" [1401 mm]
Width	15.44" [392 mm]
Depth	13.76" [350 mm]
Net Weight	119 lbs. [54.1 kg]
Shipping Weight	138 lbs. [62.7 kg]

*HLA-1650P is available in a passive bi-amped version by adding NP as a suffix to sku when ordering, requires factory DSP settings.

Dimensional Drawings

