

(50° Vertical Included Angle)

**DESCRIPTION**

The **HLA-16 slim via 50** is a hybrid integration of a 16 element J-array loudspeaker and dipole directional low frequency loudspeakers. The J-array portion contains sixteen 3.5" mid-frequency drivers and sixteen ribbon high frequency drivers. The low frequency portion incorporates four 8" high output low frequency drivers in a dipole configuration to extend vertical LF control.

The array has been preconfigured with an asymmetrical 50°V by 120°H coverage pattern. It maintains vertical directivity to 100 Hz, and low frequency response to 60 Hz. A single HLA-16 slim can provide full range coverage of both the front row and seats as far as 75 feet away with exceptional clarity and detail.

**KEY FEATURES:**

- asymmetrical 50° V x 120° H coverage
- vertical control to 100 Hz
- -3 dB low frequency response 60 Hz
- effective projection to 75 feet

**APPLICATIONS:**

- auditoriums
- churches
- lecture halls
- presentation spaces



**NOMINAL DATA**

Frequency Response	60 Hz to 20 kHz, ± 3 dB
Sensitivity	98 dB @ 2.83V / 1M
Impedance	Mid-Hi – 8Ω / LF – 8Ω
Power Handling	M/H: 1000 W long-term (AES-2) LF: 1000 W long-term (AES-2)
Maximum Output	121 dB long-term, 127 dB peak
Nominal Coverage	120° H x 50° V
Dimensions	height: 56.14 " / 1426 mm width: 8.37 " / 213 mm depth: 14.81 " / 376 mm
Net Weight	83 lbs / 37.7 kg
Shipping Weight	108 lbs / 49.1 kg

**DESCRIPTIVE DATA**

System Configuration	Biamped hybrid integration of a curvilinear M/H line array with a low frequency dipole
Components & Loading	16 x 3.5" MF 16 x 3" ribbon HF 4 x 8" LF drivers
Recommended Crossover	4 <sup>th</sup> order Linkwitz-Riley @ 300 Hz
Recommended High-Pass Filter	4 <sup>th</sup> order Butterworth @ 50 Hz
Enclosure Type	Curvilinear array: sealed enclosure Dipole LF: tuned reflex enclosure
Enclosure Material	Steel, Aluminum & Baltic Birch Plywood
Finish	White or Black (custom colors available)
Connectors	NL4, & (2) dual binding head screws
Suspension Hardware	(2) 3/8-16 threaded points on each side; steel yoke included
Grille	Painted perforated steel

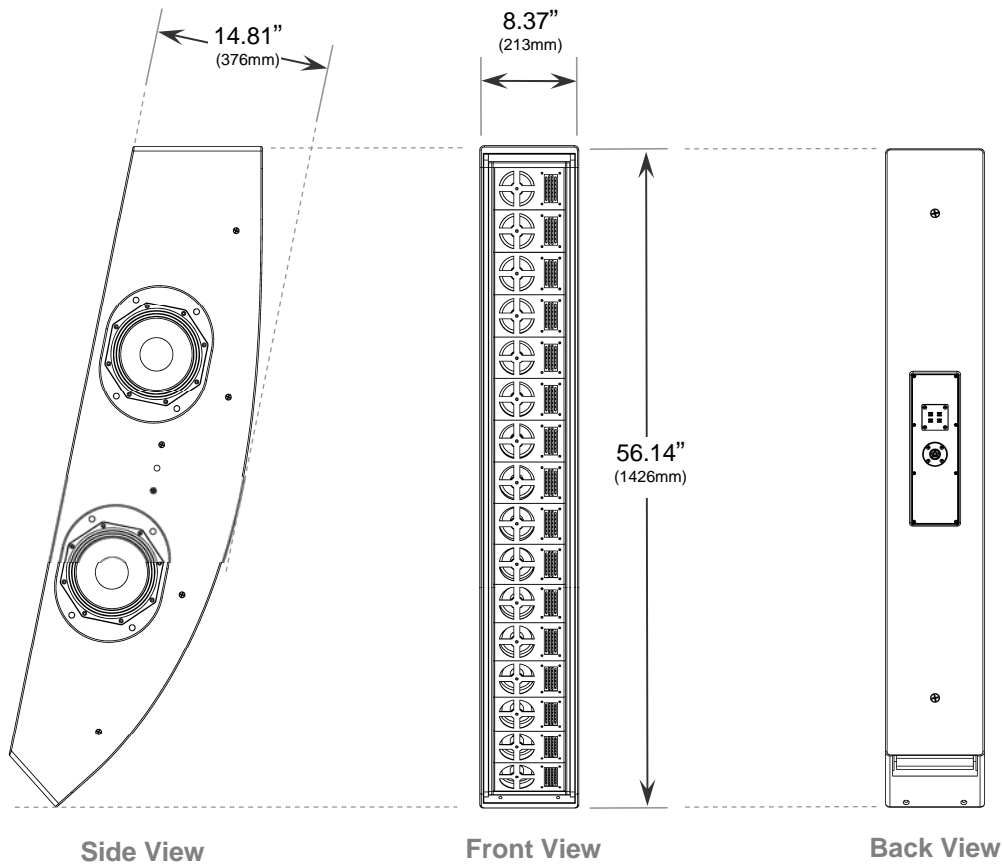


AMERICAN LOUDSPEAKER INNOVATION

Hybrid Line Array™ Series –

**HLA-16 slim via-50**

**DIMENSIONAL DRAWINGS**



296 North Pascal Street  
Saint Paul MN 55104

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AMERICAN LOUDSPEAKER INNOVATION

Hybrid Line Array™ Series –

# HLA-16P slim via-50

(50° Vertical Included Angle)

## DESCRIPTION

The **HLA-16P slim via 50** is a hybrid integration of a 16 element J-array loudspeaker and dipole directional low frequency loudspeakers. It is powered by two internal 1000W 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 four 8" high output low frequency drivers in a dipole configuration to extend vertical LF control.

The array has been preconfigured with an asymmetrical 50°V by 120°H coverage pattern. It maintains vertical directivity to 100 Hz, and low frequency response to 60 Hz. A single HLA-16P slim via-50 can provide full range coverage of both the front row and seats as far as 75 feet away with exceptional clarity and detail.

### KEY FEATURES:

- asymmetrical 50° V x 120° H coverage
- vertical control to 100 Hz
- -3 dB low frequency response 60 Hz
- power & DSP by Powersoft®
- effective projection to 75 feet

### APPLICATIONS:

- auditoriums
- churches
- lecture halls
- presentation spaces



## NOMINAL DATA

Frequency Response	60 Hz to 20 kHz, ± 3 dB
Power	M/H: 1000 W RMS LF: 1000 W RMS
Maximum Output	121 dB long-term, 127 dB peak
Nominal Coverage	120° H x 50° V
Dimensions	height: 56.14 " / 1426 mm width: 8.37 " / 213 mm depth: 14.81 " / 376 mm
Net Weight	83 lbs / 37.7 kg
Shipping Weight	108 lbs / 49.1 kg

## DESCRIPTIVE DATA

System Configuration	Biamped hybrid integration of a curvilinear M/H line array with a low frequency dipole
Components & Loading	16 x 3.5" MF 16 x 3" ribbon HF 4 x 8" LF drivers
Input	Balanced line level with XLR and XLR loop through
Enclosure Type	Curvilinear array: sealed enclosure Dipole LF: tuned reflex enclosure
Enclosure Material	Steel, Aluminum & Baltic Birch Plywood
Finish	White or Black (custom colors available)
Suspension Hardware	(2) 3/8-16 threaded points on each side; steel yoke included
Grille	Painted perforated steel

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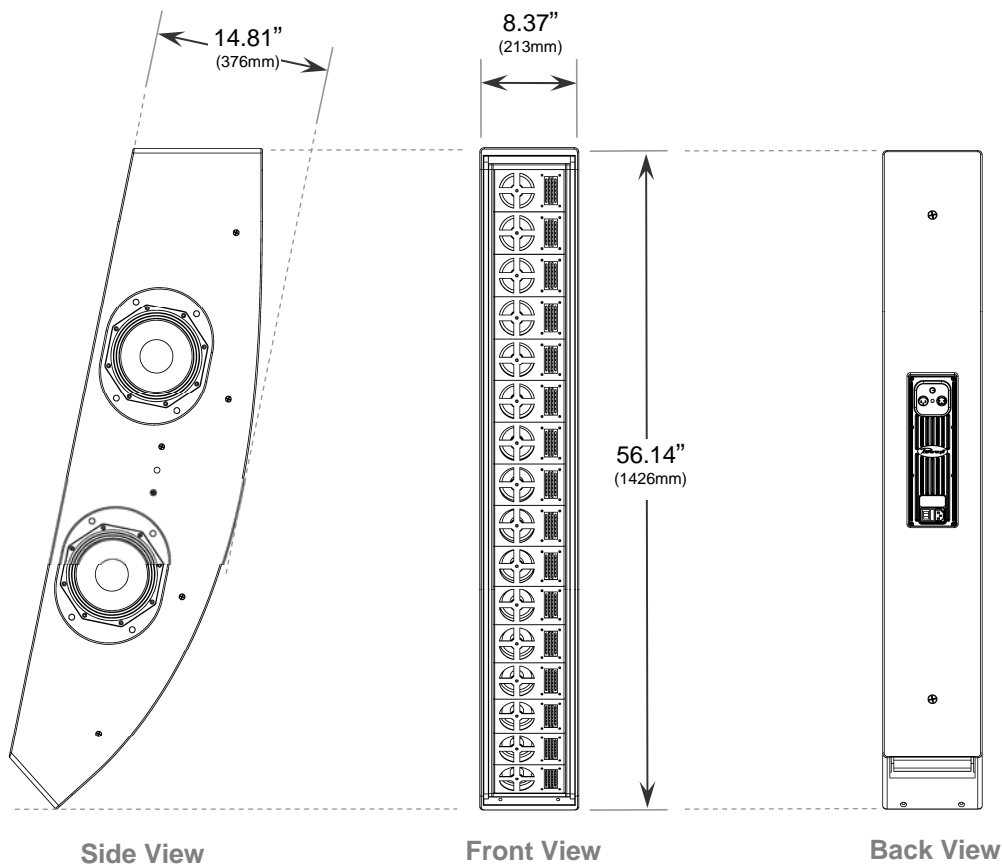


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