

Innovox Selection Guide

High Output Arrays and Subwoofers





High Output Arrays & Subwoofers

for Large Venues

Selection Guide

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HLA Family

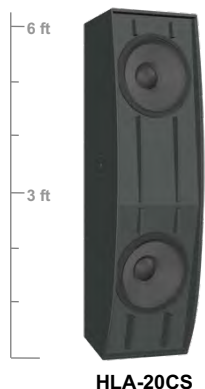
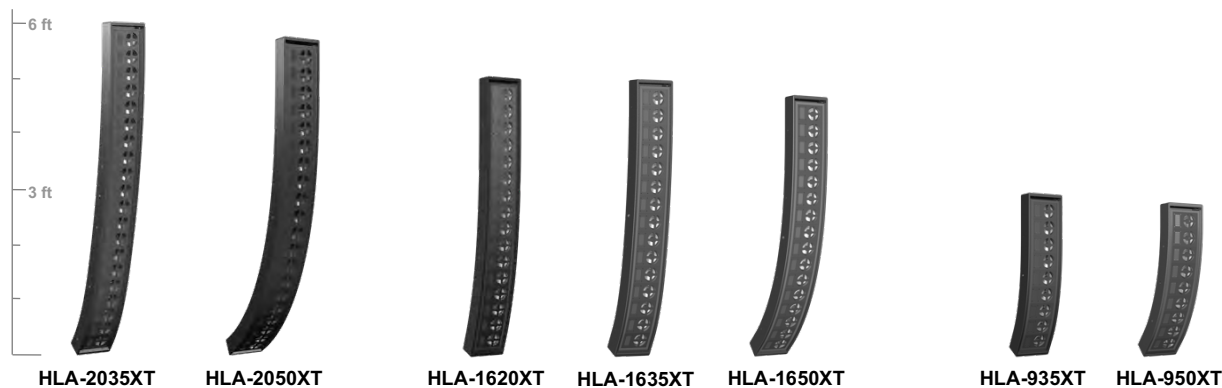
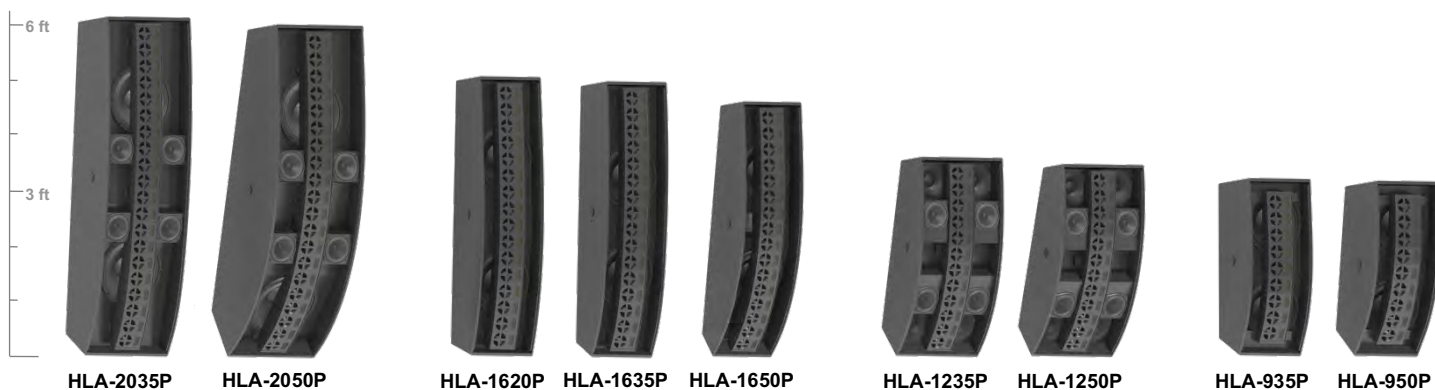
Hybrid Line Arrays

The **HLA Hybrid Line Arrays** combine ribbon line array articulation with dipole low-frequency steering to achieve precise directional control not previously possible in such compact packages. They employ sophisticated DSP processing to realize their exceptional performance.

HLA Hybrid Arrays are supplied with Powersoft DSP and class D power in both on-board and rack-mount configurations. They are “Right-Sized” for the SPL requirements of venues of up to 3,000 seats.

The **HLA Family** consists of three line array configurations, which have been optimized to cover a majority of the projects typically encountered by sound system designers. These preconfigured array options include:

20° V x 120° H, 35° V x 120° H, & 50° V x 120° H.

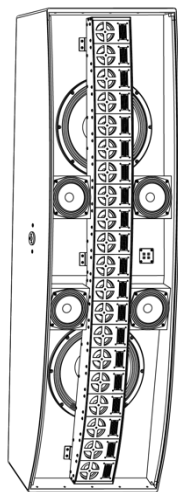


HLA Companions



HLA - Hybrid Line Arrays

HLA-2035P



The HLA-2035P is a hybrid integration of a twenty element J-array loudspeaker and two octave-wide bands of staged dipole low frequency control. It is powered by 4500 Watts of PowerSoft Class D amplification with premium DSP4 processing. Special features include AES-3 digital input, network capability, and configuration using Armonia Pro Audio software.

The J-array portion contains twenty 3.5" mid-frequency drivers and twenty ribbon high frequency drivers. The upper dipole employs four 6" mid-bass drivers, and the lower dipole has two 15" high output low frequency drivers.

HLA-2035P has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 100 Hz. Frequency response is 50 Hz to 20kHz, ± 3 dB. Maximum SPL is 132 dB long-term and 138 dB peak. (Dimensions: 72.86" H x 21.13" W x 15.00" D)

<u>order number</u>	<u>weight</u>
HLA-2035P blk	207.0 lbs
HLA-2035P wht	207.0 lbs
HLA-2035P cst	207.0 lbs

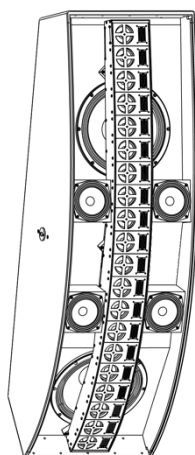


HLA-2035RP

The HLA-2035RP provides a rack-mounted power option for the HLA-2035. It employs 4500 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-2050P



The HLA-2050P is a hybrid integration of a twenty element J-array loudspeaker and two octave-wide bands of staged dipole low frequency control. It is powered by 4500 Watts of PowerSoft Class D amplification with premium DSP4 processing. Special features include AES-3 digital input, network capability, and configuration using Armonia Pro Audio software.

The J-array portion contains twenty 3.5" mid-frequency drivers and twenty ribbon high frequency drivers. The upper dipole employs four 6" mid-bass drivers, and the lower dipole has two 15" high output low frequency drivers.

HLA-2050P has been preconfigured in an asymmetrical 50°V by 120°H coverage pattern with vertical directivity to 100 Hz. Frequency response is 50 Hz to 20kHz, ± 3 dB. Maximum SPL is 132 dB long-term and 138 dB peak. (Dimensions: 67.13" H x 21.13" W x 15.00" D)

<u>order number</u>	<u>weight</u>
HLA-2050P blk	216.0 lbs
HLA-2050P wht	216.0 lbs
HLA-2050P cst	216.0 lbs

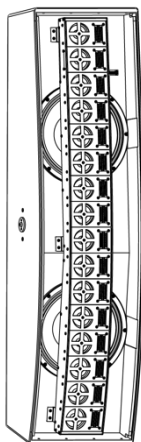


HLA-2050RP

The HLA-2050RP provides a rack-mounted power option for the HLA-2050. It employs 4500 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-1620P



The **HLA-1620P** is a hybrid integration of a sixteen element J-array loudspeaker and a dipole for extended low frequency control. It is powered by 1600 W of PowerSoft Class D amplification and DSP processing.

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.

It has been preconfigured in an asymmetrical 20°V by 120°H coverage pattern with vertical directivity to 175 Hz, and low frequency response to 50 Hz. Frequency response is 50 Hz to 20kHz, ±3 dB. Maximum SPL is 121 dB long-term and 127 dB peak. (Dimensions: 60.08 H x 15.44 W x 12.25 D)

<u>order number</u>	<u>weight</u>
HLA-1620P blk	109.0 lbs
HLA-1620P wht	109.0 lbs
HLA-1620P cst	109.0 lbs

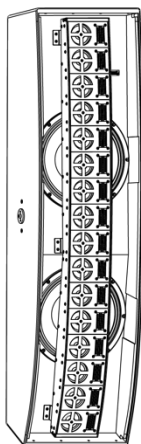


HLA-1620RP

The **HLA-1620RP** provides a rack-mounted power option for the HLA-1620. It employs of 1600 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-1635P



The **HLA-1635P** is a hybrid integration of a sixteen element J-array loudspeaker and a dipole for extended low frequency control. It is powered by 1600 W of PowerSoft Class D amplification and DSP processing.

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.

It has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 175 Hz, and low frequency response to 50 Hz. Frequency response is 50 Hz to 20kHz, ±3 dB. Maximum SPL is 121 dB long-term and 127 dB peak. (Dimensions: 59.44 H x 15.44 W x 12.25 D)

<u>order number</u>	<u>weight</u>
HLA-1635P blk	114.0 lbs
HLA-1635P wht	114.0 lbs
HLA-1635P cst	114.0 lbs

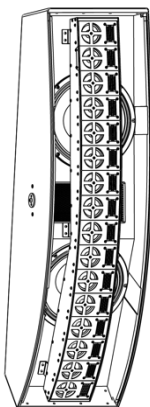


HLA-1635RP

The **HLA-1635RP** provides a rack-mounted power option for the HLA-1635. It employs of 1600 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-1650P



The **HLA-1650P** is a hybrid integration of a sixteen element J-array loudspeaker and a dipole for extended low frequency control. It is powered by 1600 W of PowerSoft Class D amplification and DSP processing.

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.

It has been preconfigured in an asymmetrical 50°V by 120°H coverage pattern with vertical directivity to 175 Hz, and low frequency response to 50 Hz. Frequency response is 50 Hz to 20kHz, ±3 dB. Maximum SPL is 121 dB long-term and 127 dB peak. (Dimensions: 55.14 H x 15.44 W x 13.76 D)

<u>order number</u>	<u>weight</u>
HLA-1650P blk	119.0 lbs
HLA-1650P wht	119.0 lbs
HLA-1650P cst	119.0 lbs

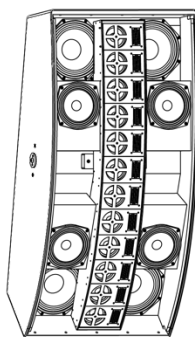


HLA-1650RP

The **HLA-1650RP** provides a rack-mounted power option for the HLA-1650. It employs of 1600 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-1235P



The **HLA-1235P** is a hybrid integration of a twelve element J-array loudspeaker and two octave-wide bands of staged dipole low frequency control. It is powered by 4500 Watts of PowerSoft Class D amplification and DSP processing.

The J-array portion contains twelve 3.5" mid-frequency drivers and twelve ribbon high frequency drivers. The upper dipole employs four 6 1/2" mid-bass drivers, and the lower dipole has four 8" high output low frequency drivers.

HLA-1235P has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 125 Hz. Frequency response is 60 Hz to 20kHz, ±3 dB. Maximum SPL is 121 dB long-term and 127 dB peak. (Dimensions: 43.08 H x 21.13 W x 8.85 D)

<u>order number</u>	<u>weight</u>
HLA-1235P blk	102.0 lbs
HLA-1235P wht	102.0 lbs
HLA-1235P cst	102.0 lbs

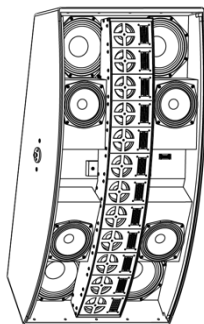


HLA-1235RP

The **HLA-1235RP** provides a rack-mounted power option for the HLA-1235. It employs of 4500 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-1250P



The **HLA-1250P** is a hybrid integration of a twelve element J-array loudspeaker and two octave-wide bands of staged dipole low frequency control. It is powered by 4500 Watts of PowerSoft Class D amplification and DSP processing.

The J-array portion contains twelve 3.5" mid-frequency drivers and twelve ribbon high frequency drivers. The upper dipole employs four 6 1/2" mid-bass drivers, and the lower dipole has four 8" high output low frequency drivers.

HLA-1250P has been preconfigured in an asymmetrical 50°V by 120°H coverage pattern with vertical directivity to 125 Hz. Frequency response is 60 Hz to 20kHz, ±3 dB. Maximum SPL is 121 dB long-term and 127 dB peak. (Dimensions: 41.44 H x 21.13 W x 8.79 D)

<u>order number</u>	<u>weight</u>
HLA-1250P blk	107.0 lbs
HLA-1250P wht	107.0 lbs
HLA-1250P cst	107.0 lbs

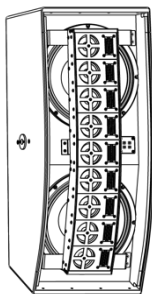


HLA-1250RP

The **HLA-1250RP** provides a rack-mounted power option for the HLA-1250. It employs of 4500 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-935P



The **HLA-935P** is a hybrid integration of a nine element J-array loudspeaker and a dipole for extended low frequency control. It is powered by 1600 W of PowerSoft Class D amplification and DSP processing.

The J-array portion contains nine 3.5" mid-frequency drivers and nine ribbon high frequency drivers. The low frequency portion incorporates two 14" low frequency drivers in a dipole configuration to extend vertical LF control.

It has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 175 Hz. Frequency response is 50 Hz to 20kHz, ± 3 dB. Maximum SPL is 121 dB long-term and 127 dB peak. (Dimensions: 37.79 H x 15.44 W x 14.95 D)

<u>order number</u>	<u>weight</u>
HLA-935P blk	88.0 lbs
HLA-935P wht	88.0 lbs
HLA-935P cst	88.0 lbs

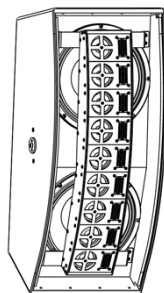


HLA-935RP

The **HLA-935RP** provides a rack-mounted power option for the HLA-935. It employs of 1600 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA-950P



The **HLA-950P** is a hybrid integration of a nine element J-array loudspeaker and a dipole for extended low frequency control. It is powered by 1600W of PowerSoft Class D amplification and DSP processing.

The J-array portion contains nine 3.5" mid-frequency drivers and nine ribbon high frequency drivers. The low frequency portion incorporates two 14" low frequency drivers in a dipole configuration to extend vertical LF control.

It has been preconfigured in an asymmetrical 50°V by 120°H coverage pattern with vertical directivity to 175 Hz. Frequency response is 50 Hz to 20kHz, ± 3 dB. Maximum SPL is 121 dB long-term and 127 dB peak. (Dimensions: 37.75 H x 15.44 W x 14.95 D)

order number

HLA-950P blk
HLA-950P wht
HLA-950P cst

weight

92.0 lbs
92.0 lbs
92.0 lbs



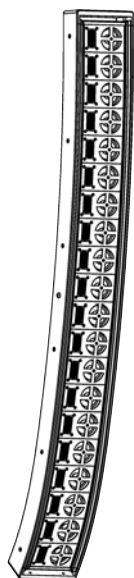
HLA-950RP

The **HLA-950RP** provides a rack-mounted power option for the HLA-950. It employs of 1600 Watts of PowerSoft Class D amplification and DSP.

Steel mounting yoke included with each unit.

HLA MF/HF Extension

HLA-2035XT



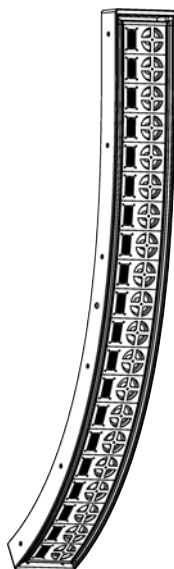
The HLA-2035XT is a twenty element J-array loudspeaker. It has twenty 3.5" mid-frequency drivers and twenty ribbon high frequency drivers. It has been designed as a "delay fill" loudspeaker to extend the effective projection of an HLA-20 "main" loudspeaker, but can also be used as a stand-alone voice range speaker.

The HLA-2035XT has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 275 Hz. Frequency response is 100 Hz to 20kHz, ± 3 dB. Long term power handling is 1000W (AES-2), and its maximum SPL is 123 dB long-term and 129 dB peak. (Dimensions: 72.82 H x 8.43 W x 3.75 D)

<u>order number</u>	<u>weight</u>
HLA-2035XT blk	36.0 lbs
HLA-2035XT wht	36.0 lbs
HLA-2035XT cst	36.0 lbs

Steel mounting yoke included with each unit.

HLA-2050XT



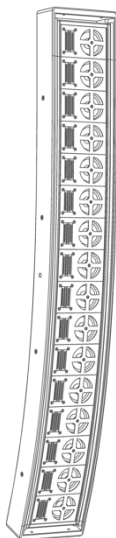
The HLA-2050XT is a twenty element J-array loudspeaker. It has twenty 3.5" mid-frequency drivers and twenty ribbon high frequency drivers. It has been designed as a "delay fill" loudspeaker to extend the effective projection of an HLA-20 "main" loudspeaker, but can also be used as a stand-alone voice range speaker.

The HLA-2050XT has been preconfigured in an asymmetrical 50°V by 120°H coverage pattern with vertical directivity to 275 Hz. Frequency response is 100 Hz to 20kHz, ± 3 dB. Long term power handling is 1000W (AES-2), and its maximum SPL is 123 dB long-term and 129 dB peak. (Dimensions: 66.87 H x 8.43 W x 3.75 D)

<u>order number</u>	<u>weight</u>
HLA-2050XT via-50 blk	36.0 lbs
HLA-2050XT via-50 wht	36.0 lbs
HLA-2050XT via-50 cst	36.0 lbs

Steel mounting yoke included with each unit.

HLA-1620XT



The HLA-1620XT is a sixteen element J-array loudspeaker. It has sixteen 3.5" mid-frequency drivers and sixteen ribbon high frequency drivers. It has been designed as a "delay fill" loudspeaker to extend the effective projection of an HLA-16 "main" loudspeaker, but can also be used as a stand-alone voice range speaker.

The HLA-1620XT has been preconfigured in an asymmetrical 20°V by 120°H coverage pattern with vertical directivity to 300 Hz. Frequency response is 100 Hz to 20kHz, ± 3 dB. Long term power handling is 1000W (AES-2), and its maximum SPL is 123 dB long-term and 129 dB peak. (Dimensions: 60.08 H x 8.43 W x 3.75 D)

order number

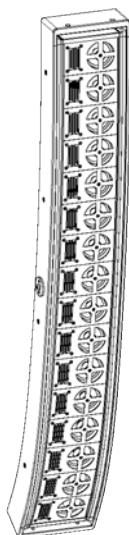
HLA-1620XT blk
HLA-1620XT wht
HLA-1620XT cst

weight

31.0 lbs
31.0 lbs
31.0 lbs

Steel mounting yoke included with each unit.

HLA-1635XT



The HLA-1635XT is a sixteen element J-array loudspeaker. It has sixteen 3.5" mid-frequency drivers and sixteen ribbon high frequency drivers. It has been designed as a "delay fill" loudspeaker to extend the effective projection of an HLA-16 "main" loudspeaker but can also be used as a stand-alone voice range speaker.

The HLA-1635XT has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 325 Hz. Frequency response is 100 Hz to 20kHz, ± 3 dB. Long term power handling is 1000W (AES-2), and its maximum SPL is 123 dB long-term and 129 dB peak. (Dimensions: 59.44 H x 8.43 W x 3.75 D)

order number

HLA-1635XT blk
HLA-1635XT wht
HLA-1635XT cst

weight

31.0 lbs
31.0 lbs
31.0 lbs

Steel mounting yoke included with each unit.

HLA-1650XT



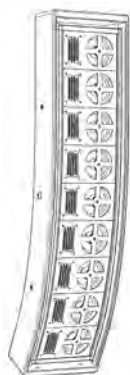
The HLA-1650XT is a sixteen element J-array loudspeaker. It has sixteen 3.5" mid-frequency drivers and sixteen ribbon high frequency drivers. It has been designed as a "delay fill" loudspeaker to extend the effective projection of an HLA-16 "main" loudspeaker but can also be used as a stand-alone voice range speaker.

The HLA-1650XT has been preconfigured in an asymmetrical 50°V by 120°H coverage pattern with vertical directivity to 300 Hz. Frequency response is 100 Hz to 20kHz, ± 3 dB. Long term power handling is 1000W (AES-2), and its maximum SPL is 123 dB long-term and 129 dB peak. (Dimensions: 56.20 H x 8.43 W x 3.75 D)

<u>order number</u>	<u>weight</u>
HLA-1650XT blk	31.0 lbs
HLA-1650XT wht	31.0 lbs
HLA-1650XT cst	31.0 lbs

Steel mounting yoke included with each unit.

HLA-935XT



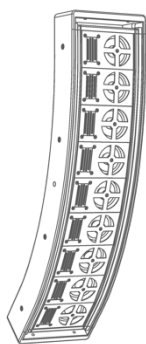
The HLA-935XT is a nine element J-array loudspeaker. It has nine 3.5" mid-frequency drivers and nine ribbon high frequency drivers. It has been designed as a "delay fill" loudspeaker to extend the effective projection of an HLA series "main" loudspeaker but can also be used as a stand-alone voice range speaker.

The HLA-935XT has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 400 Hz. Frequency response is 100 Hz to 20kHz, ± 3 dB, and its maximum SPL is 119 dB long-term, and 125 dB peak. Long term power handling is 750 W (AES-2). (Dimensions: 34.93 H x 8.43 W x 3.75 D)

<u>order number</u>	<u>weight</u>
HLA-935XT blk	20.0 lbs
HLA-935XT wht	20.0 lbs
HLA-935XT cst	20.0 lbs

Steel mounting yoke included with each unit.

HLA-950XT



The HLA-950XT is a nine element J-array loudspeaker. It has nine 3.5" mid-frequency drivers and nine ribbon high frequency drivers. It has been designed as a "delay fill" loudspeaker to extend the effective projection of an HLA series "main" loudspeaker but can also be used as a stand-alone voice range speaker.

The HLA-950XT has been preconfigured in an asymmetrical 50°V by 120°H coverage pattern with vertical directivity to 400 Hz. Frequency response is 100 Hz to 20kHz, ± 3 dB, and its maximum SPL is 119 dB long-term, and 125 dB peak. Long term power handling is 750 W (AES-2). (Dimensions: 33.11 H x 8.43 W x 3.75 D)

<u>order number</u>	<u>weight</u>
HLA-950XT blk	20.0 lbs
HLA-950XT wht	20.0 lbs
HLA-950XT cst	20.0 lbs

Steel mounting yoke included with each unit.

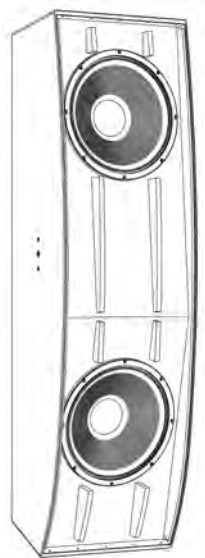
Powersoft Premium DSP Upgrade

The following HLA powered loudspeakers can be ordered with Powersoft's premium DSP4 on-board processor. Special features include AES-3 digital input, network capability, and configuration using Armonia Pro Audio software.

<u>order number</u>	<u>weight</u>
HLA-9P-DSP4 blk	88.0 lbs
HLA-9P-DSP4 wht	88.0 lbs
HLA-9P-DSP4 cst	88.0 lbs
HLA-16P-DSP4 blk	114.0 lbs
HLA-16P DSP4 wht	114.0 lbs
HLA-16P-DSP4 cst	114.0 lbs

HLA Companions

HLA-20CS



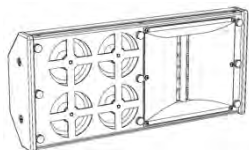
The **HLA-20CS** is a cardioid sub-bass loudspeaker specifically designed to match the profile and superb transient response of an HLA-20 Hybrid Line Array. It extends system low frequency response, projection and precise directional control to 27 Hz.

Three 18-inch long-excursion loudspeakers are employed in a cardioid configuration using external DSP and bi-amplification. Each driver has an individual, maximally flat (.7Q) sealed enclosure for optimum transient response. Frequency response is 27 Hz to 200Hz, ± 3 dB. Maximum SPL is 132 dB long-term and 138 dB peak. Power handling is 4500 watts long-term (AES-2). (Dimensions: 74.27 H x 21.13 W x 15.39 D)

<u>order number</u>	<u>weight</u>
HLA-20CS blk	200.0 lbs
HLA-20CS wht	200.0 lbs
HLA-20CS cst	200.0 lbs

Steel mounting yoke included with each unit.

HLA-UB1



The **HLA-UB1** is a M/HF loudspeaker specifically designed to extend the projection of an HLA Hybrid Line Array and achieve precise under-balcony coverage. It can also be used to enhance articulation in other near field applications.

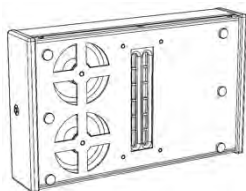
A 6" ribbon HF driver with wave guide and four 3.5" MF drivers are employed to match the clarity, detail and program level of other HLA loudspeakers. The enclosure's shallow depth and minimal height allow easy integration into the architectural environment.

The **HLA-UB1** has been preconfigured in an asymmetrical 35°V by 90°H coverage pattern, and frequency response to 140 to 20kHz, ± 3 dB. Long term power handling is 250 watts (AES-2). Maximum output is 116 dB long-term and 122 dB peak. (Dimensions: 7.36 H x 16.25 W x 3.30 D)

<u>order number</u>	<u>weight</u>
HLA-UB1 blk	8.0 lbs
HLA-UB1 wht	8.0 lbs
HLA-UB1 cst	8.0 lbs

Steel mounting yoke included with each unit.

HLA-Stage Lip



The **HLA-Stage Lip** is a companion loudspeaker specifically designed to work in conjunction with an HLA Hybrid Line Array to better serve front row seats. It provides both enhanced articulation and helps to localize the apparent sound source with performers on stage.

A 6" ribbon HF driver and two 3.5" MF drivers are employed to match the clarity, detail and program level of other HLA loudspeakers. The enclosure's shallow depth allows easy integration into the architectural environment.

The **HLA-Stage Lip** speaker is available in your choice of a 25° or 50°V by 120°H coverage pattern. Frequency response is 140 to 20kHz, ± 3 dB. Nominal impedance is 16 Ω . Power handling is 150 watts long-term (AES-2), and maximum output is 111 dB long-term and 117 dB peak. (Dimensions: 7.36 H x 12.13 W x 2.45 D)

<u>order number</u>	<u>weight</u>
HLA-Stage Lip blk	8.6 lbs
HLA-Stage Lip wht	8.6 lbs
HLA-Stage Lip cst	8.6 lbs

Steel mounting yoke included with each unit.

HLA Accessories

Pole-Mount Adapter — for HLA-9

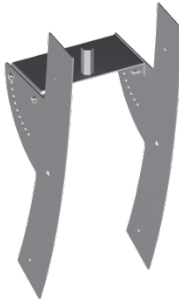


The HLA-9-PMA Pole-Mount Adapter attaches to a HLA-9 at its center of gravity and allows down-angle adjustment when used with high-lift speaker stands. Available in black only.

order number
HLA9-PMA blk

weight
12.0 lbs

Impact-Resistant Mount — for XT in Gymnasiums

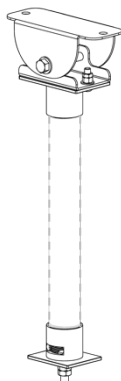


The HLA-XT IRM Impact-Resistant Mount attaches to an HLA-XT extension array at its center of gravity and allows down-angle adjustment. Used with owner-provided Schedule 40 pipe. Available in black only.

order number
HLA-XT IRM blk

weight
4.0 lbs

Angled Ceiling Adapter — for 1.5" Schedule 40 Pipe

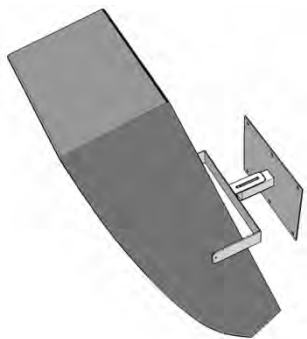


The ACA-1.5 Angled Ceiling Adapter attaches to yoke supplied with HLA speakers using customer provided Schedule 40 pipe.

order number
ACA-1.5

weight
6.0 lbs

Wall-Mount Adapter — for HLA-9 or HLA-16



The **Wall-Mount Adapters** attach to the HLA-9 & HLA-16 at their center of gravity and allow easy horizontal rotation and down-angle adjustment.

<u>order number</u>	<u>weight</u>
HLA9-WM blk	19.0 lbs
HLA9-WM wht	19.0 lbs
HLA9-WM cst	19.0 lbs
HLA16-WM blk	19.0 lbs
HLA16-WM wht	19.0 lbs
HLA16-WM cst	19.0 lbs

Custom options (designated "cst") may include custom color, grille selection, weatherization and enclosure sizing depending on product category. Please contact your Innovox sales representative or email sales@innovoxaudio.com for details.



The Sub-Bass Family

SB Series

Install Subwoofers



SB-115



SB-118

SBA Series — *Very High Output Arrayable Subwoofers*



SBA-115



SBA-118



SBA-218

SCS Series — *Sealed Cardioid Subwoofers*



SCS-312



SCS-315



SCS-318

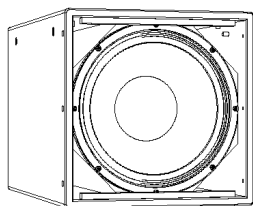


SCS-321

SB Series

The **SB Series** compact high-output installation subwoofers have been optimized for high performance, compact size and value. SB Series drivers incorporate distortion-reducing demodulation rings and are designed with integrated cooling to manage power compression.

SB-115



The **SB-115** is a compact permanent installation sub-bass loudspeaker. It employs a long-excursion 15-inch LF driver in an optimally tuned vented enclosure (17.25 H x 17.25 W x 27.63 D). Nominal impedance is 8 Ω . Frequency response is 35 Hz to 350 Hz, \pm 3 dB. Sensitivity is 93 dB @ 2.83 volts / 1M (in the subwoofer operating band). Long term power handling is 1000 W (AES-2). Long term output is 123 dB @ 1M and 129 dB peak @ 1M.

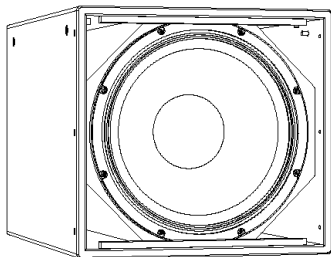
order number

SB-115 blk
SB-115 wht
SB-115 cst

weight

97.0 lbs
97.0 lbs
97.0 lbs

SB-118



The **SB-118** is a compact permanent installation sub-bass loudspeaker. It employs a long-excursion 18-inch LF driver in an optimally tuned vented enclosure (19.75 H x 21.13 W x 30.63 D). Nominal impedance is 8 Ω . Frequency response is 32 Hz to 350 Hz, \pm 3 dB. Sensitivity is 97 dB @ 2.83 volts / 1M (in the subwoofer operating band). Long term power handling is 1200 W (AES-2). Long term output is 127 dB @ 1M and 133 dB peak @ 1M.

order number

SB-118 blk
SB-118 wht
SB-118 cst

weight

127.0 lbs
127.0 lbs
127.0 lbs

Powered SB Subwoofer Options

Subwoofer Only

The **SB-115P** & **SB-118P** incorporate Powersoft 1500-watt power amplifiers and on-board DSPs, each with a complete suite of speaker processing features, factory configured for optimum performance.

<u>order number</u>	<u>weight</u>
SB-115P blk	101.0 lbs
SB-115P wht	101.0 lbs
SB-115P cst	101.0 lbs
SB-118P blk	131.0 lbs
SB-118P wht	131.0 lbs
SB-118P cst	131.0 lbs

Subwoofer with Support for Line Array

Both the **SB-115P-Plus** & **SB-118P-Plus** feature two Powersoft 1050-watt amplifiers, one to power the subwoofer, and a second to drive a separate line array chosen from the HLA-XT, ULA or SLA families. On-board DSPs are factory configured for optimum performance.

<u>order number</u>	<u>weight</u>
SB-115P-Plus blk	101.0 lbs
SB-115P-Plus wht	101.0 lbs
SB-115P-Plus cst	101.0 lbs
SB-118P-Plus blk	131.0 lbs
SB-118P-Plus wht	131.0 lbs
SB-118P-Plus cst	131.0 lbs

Custom options (designated "cst") may include custom color, grille selection, weatherization and enclosure sizing depending on product category.

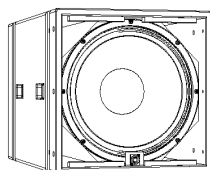
Please contact your Innovox sales representative or email sales@innovoxaudio.com for details.

SBA Series

The **SBA Series** very high output arrayable subwoofers have been developed for use singly, or to create dipole and cardioid bass arrays. They have been specifically designed as companions to HLA Hybrid Line Arrays to create very high output systems with substantial bass extension.

Available Innovox fly system hardware simplifies rigging of these systems and can significantly reduce installation time.

SBA-115



The **SBA-115** is a compact arrayable sub-bass loudspeaker. It employs a long-excursion 15-inch LF driver in an optimally tuned vented enclosure (17.25 H x 17.25 W x 27.63 D). Nominal impedance is 8 Ω . Frequency response is 31 Hz to 350 Hz, ± 3 dB. Sensitivity is 95 dB @ 2.83 volts / 1M (in the subwoofer operating band). Long term power handling is 1400 W (AES-2). Long term output is 125 dB @ 1M and peak output is 131 dB @ 1M. The SBA-115 was specifically designed as a companion to the Innovox HLA-16 Hybrid Line Array.

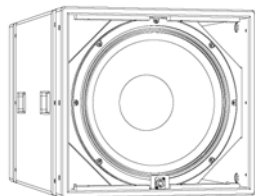
order number

SBA-115 blk
 SBA-115 wht
 SBA-115 cst

weight

87.0 lbs
 87.0 lbs
 87.0 lbs

SBA-118



The **SBA-118** is a compact arrayable sub-bass loudspeaker. It employs a long-excursion 18-inch LF driver in an optimally tuned vented enclosure (19.75 H x 21.13 W x 30.63 D). Nominal impedance is 8 Ω . Frequency response is 27 Hz to 350 Hz, ± 3 dB. Sensitivity is 97 dB @ 2.83 volts / 1M (in the subwoofer operating band). Long term power handling is 1600 W (AES-2). Long term output is 129 dB @ 1M and peak output is 135 dB at 1M. The SBA-118 was specifically designed as a companion to the Innovox HLA-20 Hybrid Line Array.

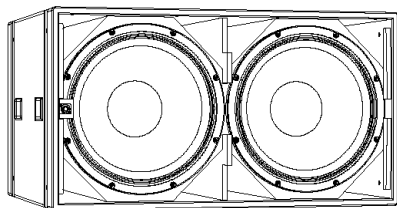
order number

SBA-118 blk
 SBA-118 wht
 SBA-118 cst

weight

117.0 lbs
 117.0 lbs
 117.0 lbs

SBA-218



The **SBA-218** is a compact arrayable sub-bass loudspeaker. It employs two long-excursion 18-inch LF drivers in an optimally tuned vented enclosure (19.75 H x 38.38 W x 30.63 D). Nominal impedance is 2 x 8 Ω . Frequency response is 27 Hz to 350 Hz, ± 3 dB. Sensitivity is 101 dB @ 2.83 volts / 1M (in the subwoofer operating band). Long term power handling is 3200 W (AES-2). Long term output is 135 dB @ 1M and peak output is 141 dB at 1M.

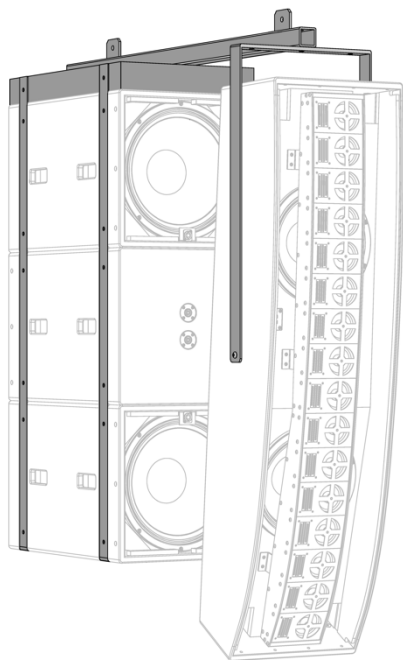
order number

SBA-218 blk
 SBA-218 wht
 SBA-218 cst

weight

174.0 lbs
 174.0 lbs
 174.0 lbs

SBA Suspension Accessories



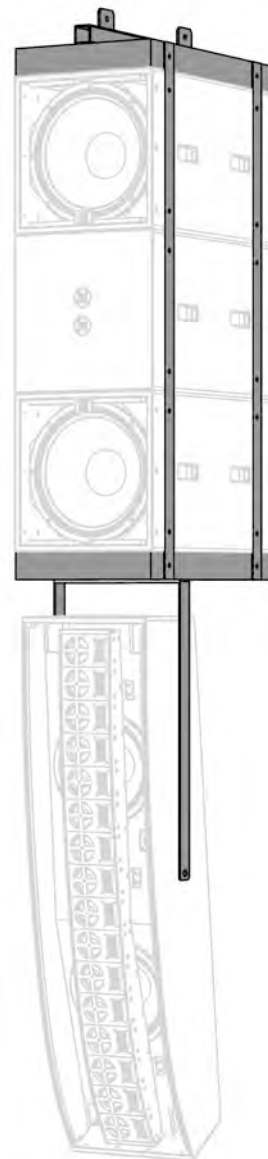
HLA-SBA-16-F/B
or
HLA-SBA-20-F/B

SBA-HLA Front-Back Suspension Options

These suspension systems are used for hanging an **SBA-115** cardioid sub-bass array behind an **HLA-16** Hybrid Line Array, or an **SBA-118** with an **HLA-20**. It provides a compact solution where vertical height is limited.

SBA-HLA Top-Bottom Suspension Options

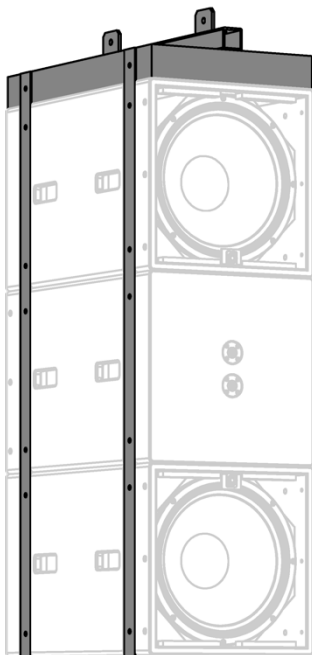
This suspension system is used for hanging an **HLA-16** below an **SBA-115** cardioid sub-bass array, or an **HLA-20** below an **SBA-118**. It provides a compact solution where depth is limited.



HLA-SBA-16-T/B
or
HLA-SBA-20-T/B

<u>order number</u>	<u>weight</u>
HLA-SBA-16 F/B blk	75.0 lbs
HLA-SBA-16 F/B wht	75.0 lbs
HLA-SBA-16 F/B cst	75.0 lbs
HLA-SBA-16 T/B blk	75.0 lbs
HLA-SBA-16 T/B wht	75.0 lbs
HLA-SBA-16 T/B cst	75.0 lbs
HLA-SBA-20 F/B blk	86.0 lbs
HLA-SBA-20 F/B wht	86.0 lbs
HLA-SBA-20 F/B cst	86.0 lbs
HLA-SBA-20 T/B blk	86.0 lbs
HLA-SBA-20 T/B wht	86.0 lbs
HLA-SBA-20 T/B cst	86.0 lbs

SBA Suspension Accessories, continued



SBA-115, 118 or 218 Fly Bar

The SBA Fly Bar systems are designed to fly up to six SBA enclosures. They are ideal for building very high output conventional and cardioid-steered arrays. (Specify number of enclosures when ordering.)

SBA-115 Fly Bar

*Fly System
for Multiple SBA-115s*

The SBA-115 Fly Bar suspends an array of up to six SBA-115s.

<u>order number</u>	<u>weight</u>
SBA-115 Fly Bar blk	67.0 lbs
SBA-115 Fly Bar wht	67.0 lbs
SBA-115 Fly Bar cst	67.0 lbs

SBA-118 Fly Bar

*Fly System
for Multiple SBA-118s*

The SBA-118 Fly Bar suspends an array of up to six SBA-118s.

<u>order number</u>	<u>weight</u>
SBA-118 Fly Bar blk	78.0 lbs
SBA-118 Fly Bar wht	78.0 lbs
SBA-118 Fly Bar cst	78.0 lbs

SBA-218 Fly Bar

*Fly System
for Multiple SBA-218s*

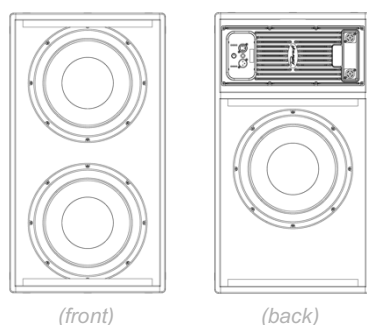
The SBA-218 Fly Bar suspends an array of up to six SBA-218s.

<u>order number</u>	<u>weight</u>
SBA-218 Fly Bar blk	112.0 lbs
SBA-218 Fly Bar wht	112.0 lbs
SBA-218 Fly Bar cst	112.0 lbs

SCS Series

The **SCS Series** of sealed cardioid subwoofers employs three bass drivers arrayed within a single compact enclosure using active electronic steering. They have been specifically designed as companions to CLA and HLA line arrays, and each delivers substantial bass extension with 12 dB of LF directional control.

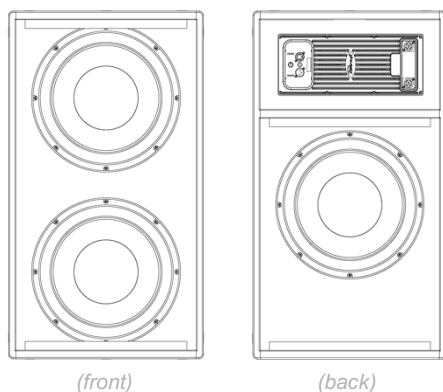
SCS-312



The **SCS-312** is a self-powered cardioid sub-bass loudspeaker, designed to match the superb transient response of a CLA or HLA line array. It extends system low frequency response, projection and directional control to 45 Hz.

Three 12-inch long-excursion drivers are employed in a cardioid configuration with 3000-Watts of PowerSoft Class D amplification and on-board DSP. Frequency response is 45-140 Hz \pm 3dB. Maximum long term output 124dB at 1M – Peak output is 130 dB at 1M. (Dimensions: 27.84" H x 15.53" W x 20.74" D)

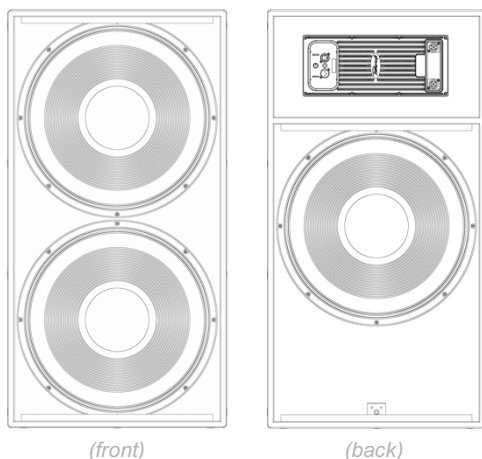
SCS-315



The **SCS-315** is a self-powered cardioid sub-bass loudspeaker, designed to match the superb transient response of a CLA or HLA line array. It extends system low frequency response, projection and directional control to 38 Hz.

Three 15-inch long-excursion drivers are employed in a cardioid configuration with 4500-Watts of PowerSoft Class D amplification and on-board DSP. Frequency response is 38-140 Hz \pm 3dB. Maximum long term output 127dB at 1M – Peak output is 133 dB at 1M. (Dimensions: 35.00" H x 18.50" W x 27.00" D)

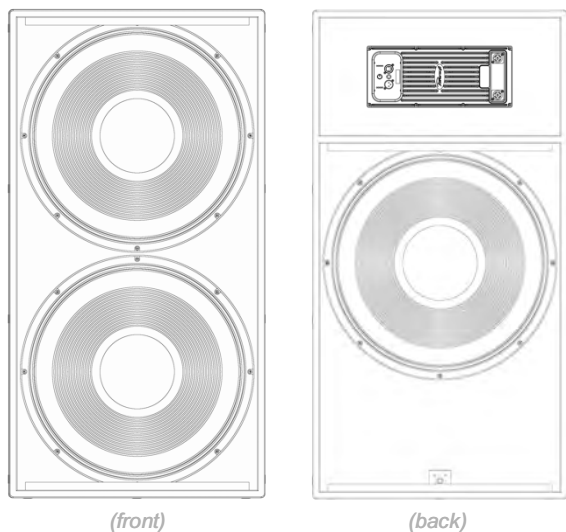
SCS-318



The **SCS-318** is a self-powered cardioid sub-bass loudspeaker, designed to match the superb transient response of a CLA or HLA line array. It extends system low frequency response, projection and directional control to 32 Hz.

Three 18-inch long-excursion drivers are employed in a cardioid configuration with 4500-Watts of PowerSoft Class D amplification and on-board DSP. Frequency response is 32-140 Hz \pm 3dB. Maximum long term output 132dB at 1M – Peak output is 138 dB at 1M. (Dimensions: 39.50" H x 20.50" W x 28.50" D)

SCS-321



The **SCS-321** is a self-powered cardioid sub-bass loudspeaker, designed to match the superb transient response of a CLA or HLA line array. It extends system low frequency response, projection and directional control to 28 Hz.

Three 21-inch long-excursion drivers are employed in a cardioid configuration with 9000-Watts of PowerSoft Class D amplification and on-board DSP. Frequency response is 28-100 Hz \pm 3dB. Maximum long term output 135dB at 1M – Peak output is 141 dB at 1M. (Dimensions: 45.00" H x 23.50" W x 34.50" D)

DSP Amplifiers

Innovox Surface-Mounted DSP Amplifier

Innovox **Surface-Mounted DSP Amplifier** provides a unique “plug-and-play” platform which supports Innovox loudspeakers by integrating sophisticated Digital Signal Processing and two-channel power amplification in a compact surface mounted package.

Powersoft DSP and amplification are factory-configured based on a customer’s specific project requirements.



order number

CA-2

description

2-in/2-out DSP with 350 W per channel
in a compact surface mount enclosure
(Dimensions: 13.00 H x 4.00 W x 3.00 D)

weight

5.0 lbs



Powersoft 2-, 4- & 8-Channel DSP Amplifiers combine sophisticated Digital Signal Processing and networking with high power in compact 1 & 2U packages. As a Powersoft partner, Innovox offers these premium amplifiers for use with Innovox loudspeakers at standard Powersoft dealer pricing. (Other Powersoft non-DSP installation amplifiers are available upon request.)

Powersoft DSP Amplifiers

<u>order number</u>	<u>description</u>	<u>weight</u>
<u>2-channel power amplifiers</u>		
Duecanali 804 DSP+DANTE	2 x 400 watts into 8 ohms	15.4 lbs
Duecanali 1604 DSP+DANTE	2 x 800 watts into 8 ohms	15.4 lbs
Duecanali 4804 DSP+DANTE	2 x 1250 watts into 8 ohms	15.4 lbs
<u>4-channel power amplifiers</u>		
Quattrocanali 1204 DSP+DANTE	4 x 300 watts into 8 ohms	15.4 lbs
Quattrocanali 2404 DSP+DANTE	4 x 600 watts into 8 ohms	15.4 lbs
Quattrocanali 4804 DSP+DANTE	4 x 300 watts into 8 ohms	15.4 lbs
<u>8-channel power amplifiers</u>		
Ottocanali 1204 DSP+DANTE	8 x 80 watts into 8 ohms	30.9 lbs
Ottocanali 4K4 DSP+DANTE	8 x 250 watts into 8 ohms	30.9 lbs
Ottocanali 8K4 DSP+DANTE	8 x 500 watts into 8 ohms	30.9 lbs
Ottocanali 12K4 DSP+DANTE	8 x 750 watts into 8 ohms	30.9 lbs
BatFormer® 70V	70V plug-in 125W output transformer (for Ottocanali 1204 only)	2 lbs
BatFormer® 100V	100V plug-in 125W output transformer (for Ottocanali 1204 only)	2 lbs

