Community
Application Solutions

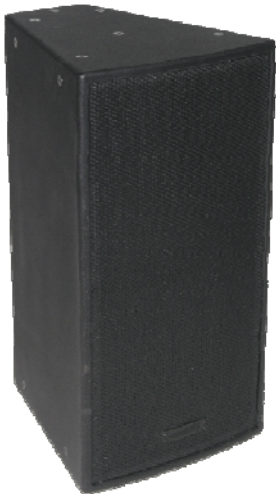
iHP1244

iHP1200 SERIES 12-INCH, LARGE FORMAT 2-WAY INSTALLATION LOUDSPEAKER

SPECIFICATIONS

Loudspeaker Type:	2-way, full-range
Operating Range:	50 Hz to 18 kHz 80 Hz to 16 kHz (±4.5 dB)
Max Input Ratings (Passive):	600W RMS, 1500W Program 69 volts RMS, 155 volts momentary peak
Max Input Ratings (Bi-amp):	LF: 600W RMS, 1500W Program @ 8 ohms HF: 90W RMS, 180W Program @ 8 ohms
Recommended Power Amplifier (Passive):	1200W to 1800W @ 8 ohms
Sensitivity (1W/1m):	98 dB SPL (80 Hz to 16 kHz 1/3 octave bands) 98 dB SPL (250 Hz to 4 kHz speech range)
Maximum Output:	126 dB SPL / 133 dB SPL (peak)
Nominal Impedance:	8 ohms
Minimum Impedance:	7.2 ohms @ 220 Hz
Nominal Impedances (Bi-amp):	LF: 8 ohms HF: 8 ohms
Nominal –6dB Beamwidth:	40° H (+34° / -5°, 2 kHz to 16 kHz) 40° V (+13° / -3°, 2 kHz to 16 kHz)
Axial Q / DI:	22.7 / 13.6, 2 kHz to 16 kHz
Crossover Frequency:	1.4 kHz
Recommended Signal Processing:	60 Hz 24 dB/Octave high pass filter
Drivers:	LF 1 x 12" HF 1 x 2.8" VC/ 1.4" exit
Input Connection:	(2) NL4-compatible locking connectors (4) Terminal barrier strip
Controls:	Operating mode switch (bi-amp/passive)
Enclosure:	13-ply solid birch plywood 30° total pitch angle
Finish:	Black, white and unfinished versions available. Contact factory for finish details.
Mounting/Rigging Provisions:	(23) M10 flying/rigging inserts (4) M8 OmniMount™ 120 inserts
Grille:	16-gauge perforated steel, foam backed
Required Accessories:	Electronic high pass filter
Optional Accessories:	M10EYBLTKIT 10 mm eyebolt kit Mounting/rigging hardware for iHP1200 series
Dimensions—Height: **Width (front):** **Width (rear):** **Depth:**	30.42 inches (773 mm) 16 inches (407 mm) 6.81 inches (173 mm) 18.26 inches (464 mm)
Weight:	82 lbs (37.2 kg)
Shipping Weight:	96 lbs (43.5 kg)

NOTES:
1. Sensitivity: Free field pink noise measurement at 40 ft (12.2 m) at 60% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
2. Watts: All wattage figures are calculated using the rated nominal impedance.



Shown:
Standard Model iHP1244

APPLICATIONS

- Theatre and auditoria
- Houses of worship
- Dance clubs, discotheques
- Live sound reinforcement
- Multipurpose sports facilities
- Stadiums
- Audio visual

FEATURES

- 40° x 40° rotatable horn pattern
- Large format waveguide delivers excellent pattern control
- 1.4" (36 mm) exit / 2.87" (72.2 mm) VC HF device
- 12" (300 mm) LF device
- Passive and bi-amp operating modes
- (23) Load-rated M10 rigging points
- (4) M8 OmniMount™ 120 inserts
- Dual NL4-compatible locking connectors and barrier strip inputs
- Available in black, white and unfinished
- Optional portable version (“P” suffix) with built-in handles, rubber feet and stacking cups on four recessed corner mounting points
- Five-year warranty

DESCRIPTION

The iHP1244 is a premium quality, large format, full-range loudspeaker system. The driver complement consists of a 12" (300 mm) high power low frequency driver and a 1.4" (36 mm) exit / 2.87" (72.2 mm) edgewound voice coil compression driver. The large format rotatable horn flare delivers well controlled 40˚ x 40˚ dispersion, and utilizes high order crossovers to minimize band overlap. The well controlled off-axis response enhances system performance when combined with other iBOX Mid/Hi and subwoofer elements in clusters / arrays. The i112S and i212S subwoofer elements share the same cabinet profile and have been designed for integration with the iHP1244 for aesthetically pleasing clusters / arrays.

The iHP1244 can be used in both passive and bi-amp operating modes. The passive mode is designed to deliver outstanding performance without the use of a processor, while the bi-amp mode allows greater system flexibility. A compatible processor can be used to enhance the LF response, provide a crossover function for use with iBOX subwoofer elements, and much more. The solid birch plywood enclosure incorporates 23 load-rated M10 rigging points and 4 M8 OmniMount™ 120 inserts in the rear of the enclosure. Simple and flexible installation is achieved using optional hardware from an extensive range designed specifically for the iBOX series.

iHP1244 OPTIONS	
“W” suffix	**White** paint finish with white grille and hardware
“U” suffix	**Unfinished** with black grille and hardware
“P” suffix	**Portable** version with built-in handles, rubber feet and stacking cups on four recessed corner mounting points

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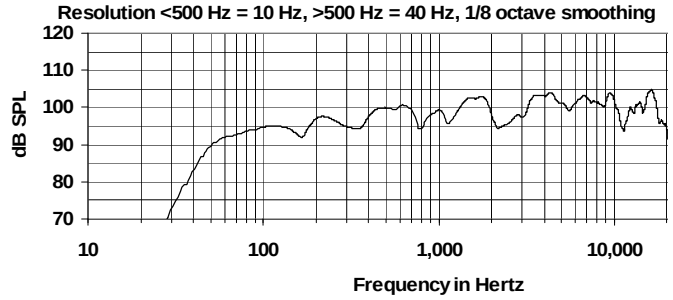
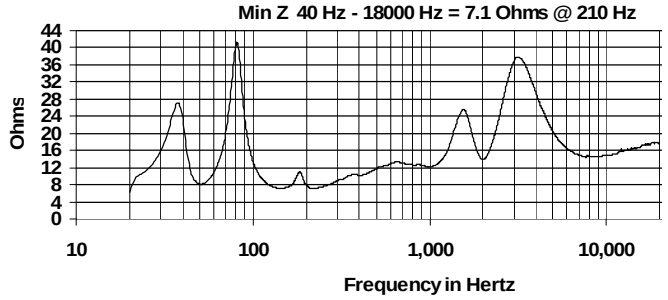
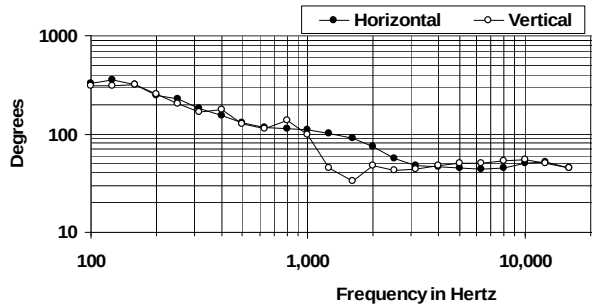
FREQUENCY RESPONSE



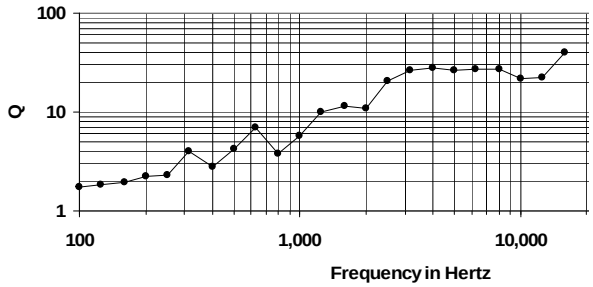
IMPEDANCE



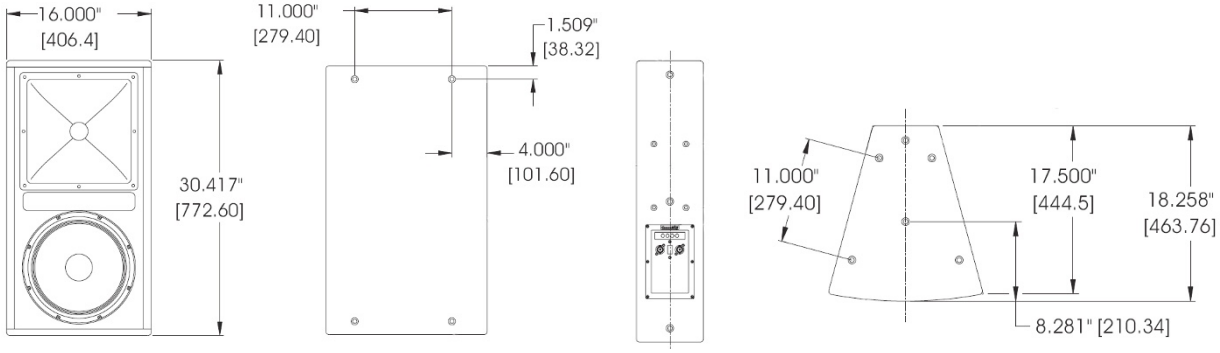
BEAMWIDTH



AXIAL Q



DIMENSIONS



ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a two-way, full-range bass reflex trapezoidal design with one 12 in. (300 mm) Cool-Coil™ LF driver and one 1.4 in. exit HF driver with a titanium diaphragm mounted to a 40° x 40° HF fiberglass horn. Drivers shall be connected to an integral crossover with a crossover frequency of 1.5 kHz. There shall be one four-terminal barrier strip and two NL4-compatible locking connectors. The terminal panel shall have a switch to select Bi-amp or Passive operating modes. The loudspeaker enclosure shall be 13-ply solid birch plywood and shall be fitted with 23 x M10 and 4 x M8 flying/rigging inserts and finished with Tuf-Coat™. The front of the enclosure shall be fitted with a 16-gauge perforated steel grille backed with foam. The system shall have an amplitude response of 80 Hz to 18 kHz (+/- 4 dB), input capability of 69V RMS, 100 dB sensitivity at one meter and 2.83V / 8 ohms nominal impedance. The nominal dispersion shall be 40° H x 40° V from 1.5 kHz to 10 kHz. The loudspeaker shall be 30.42 in. (773 mm) H x 16.00 in. (407 mm) W (front) x 6.83 in. (173 mm) W (rear) x 18.26 in. (464 mm) D and weigh 85 lbs (38.6 kg).

Community strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

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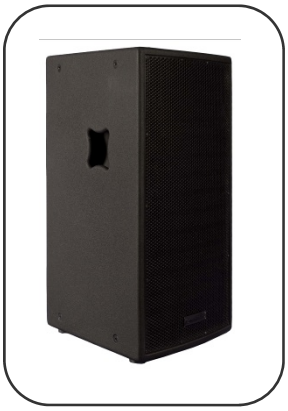
**iHP1200 SERIES 12-INCH, LARGE FORMAT
2-WAY INSTALLATION LOUDSPEAKER**

iHP1200 Series Portable Option

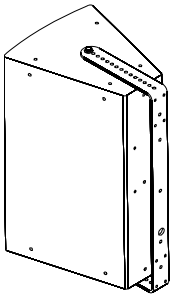


Portable iBOX models include built-in Ergo-Grip handles, rubber feet and stacking cups on four recessed corner mounting points.

Order iHP1244P.

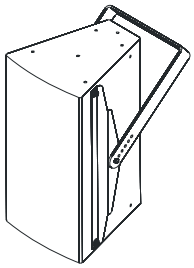
iHP1200 Series Mounting Accessories

All Community iBOX mounting kits are specifically designed and engineered for the iBOX Series to provide a high degree of safety for supporting the loudspeaker cabinets. Available in black or white finishes to match the loudspeaker enclosure, bracket parts are made of black or white powdercoated steel. Hardware for attaching the bracket assembly kits to the enclosure are included. Each point is rated at 150 lbs working load limit (WLL) with a 15:1 safety ratio.



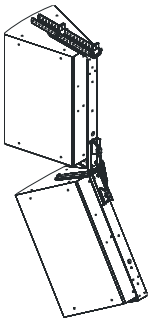
IB-Y12
Horizontal Mounting Yoke

Standard "U" type mounting yoke bracket for iHP1200 Series loudspeakers, available in black and white finishes. Provides a yoke-type mounting with hardware for locking the aiming angle.



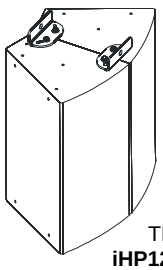
IB-VY12
Vertical Mounting Yoke

Vertical mounting yoke for the iHP1200 Series loudspeakers. Each kit includes 2 compound angle plates that attach to the sides of the enclosure and a yoke bracket to fasten to these plates for vertically mounting the loudspeaker. Ideal for theatrical applications.



IB-VTK
Vari-Tilt Kit

Vari-tilt mounting kit for vertically flying two enclosures two-high at different horizontal and/or vertical aiming angles, with up to a 60° splay between cabinet-edge to cabinet-edge. Each kit includes one hang tab channel, two hang tabs, one turnbuckle and two turnbuckle brackets. **A standard U-type mounting yoke (IB-Y12) must be purchased separately for each enclosure.**



IB-TPK
Tight Pack Kit

Tight pack mounting kit for tight packing two same-size enclosures into a cluster. Each kit includes two tight pack plates, one spacer bracket and four M10 eyebolts. To tight pack three same-size enclosures, use two IB-TPK's; to tight pack four enclosures, use three IB-TPK's; etc. **Use with same-size enclosures in iHP1200 Series.** A range extending to a 10° splay between cabinet edges is also possible using the tight pack kits.

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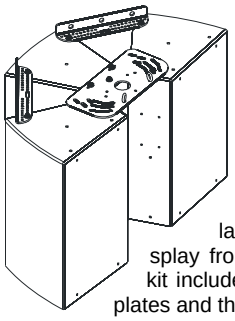
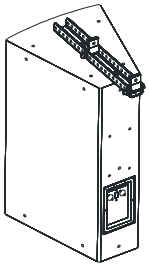
iHP1200 Series Mounting Accessories (continued)



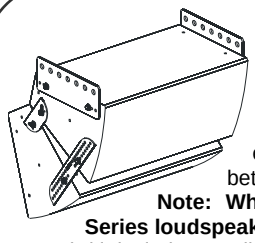
IB-UPK
Universal Planar Kit

Planar mounting kit for creating clusters of three same-size enclosures with up to a 45° splay between cabinet-edge to cabinet-edge; or clusters of three different-size enclosures in "small-large-small" configuration with up to a 15° splay from cabinet-edge to cabinet-edge. Each kit includes one planar bracket, two planar angle plates and three M10 eyebolts.



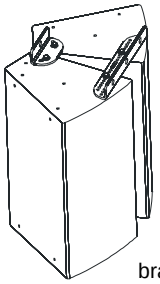
IB-VAK
Vari-Angle Kit

Vari-angle hanging kit for vertically flying single enclosures at different aiming angles. Each kit includes one hang tab channel and two hang tabs. The hang tab channel mounts directly onto the top of the enclosure for an aesthetically pleasing installation. However, a standard horizontal mounting yoke may also be purchased separately for use with each enclosure at the installer's discretion.



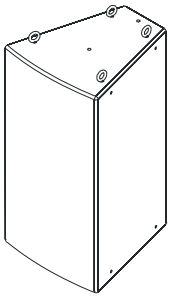
IB-HFK
Horizontal Fly Kit

Horizontal flying kit for horizontally array hanging two same-size enclosures with up to a 45° splay between cabinet-edge to cabinet-edge. **Note: When arraying four or more iHP1200 Series loudspeakers, a 0° and 5° splay is not possible.** Each kit includes two lifting brackets, two planar spacer plates, two fly kit spacer brackets and four M10 eyebolts. To horizontally array three same-size enclosures, use two IB-HFK's; to horizontally array four same-size enclosures, use three IB-HFK's; etc. **Use with same-size enclosures in the iHP1200 Series.**



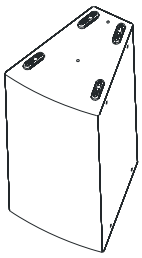
IB-VFK
Vertical Fly Kit

Vertical flying kit for vertically array hanging two same-size enclosures with up to a 45° splay between cabinet-edge to cabinet-edge. **Note: When arraying four or more iHP1200 Series loudspeakers, a 0° and 5° splay is not possible.** Each kit includes one planar angle plate, one tight pack bracket, one fly kit spacer bracket and four M10 eyebolts. To vertically array three same-size enclosures, use two IB-VFK's; to vertically array four same-size enclosures, use three IB-VFK's; etc. **Use with same-size enclosures in the iHP1200 Series.**



M10EYBLTKIT
10mm Eyebolt Kit

Kit of four 10mm eyebolts for suspending and rigging iHP1200 Series loudspeakers, black zinc plated. Each iHP1200 loudspeaker features 23 M10 load-rated rigging points plus four (4) M8 OmniMount™ 120 series rear inserts.



STKIT
Seat Track Kit

Seat Track Kit for suspending a single loudspeaker enclosure. Each kit contains four seat track channels and both M10 (10mm) and 3/8-16" threaded fasteners for attachment to loudspeaker enclosures. **Use M10 fasteners with all iHP1200 Series loudspeakers.** Use multiple Seat Track Kits for multiple enclosures.

CAUTION: Installation of loudspeakers should only be performed by trained and qualified personnel. It is strongly recommended that a licensed and certified professional structural engineer approve the mounting design.