



**QHPISERIES**

**Quest**<sup>™</sup>  
engineering

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# HPI-5

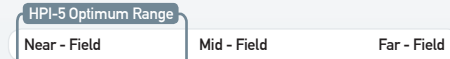


The HPI-5 is a 5" ultra compact, passive professional sound reinforcement loudspeaker ideally suited to applications that require an ultra low profile solution. Its small footprint still manages to deliver medium to high output making the HPI-5 ideally suited to short\medium throw environments.

The HPI-5 is optimised for high vocal range intelligibility as a small PA system, or as a fill\delay loudspeaker in larger indoor or outdoor systems. A full-range system can be created with the addition of an optional subwoofer (HPI-12S).

The HPI-5 high frequency section comprises a proprietary 1" horn driver matched to a custom designed symmetrical wide dispersion constant-directivity high frequency horn. The sound signature of the HPI-5 has been created in line with the entire range of Quest HPI systems making it the perfect companion to a larger system eliminating the need for extensive correction or a dedicated system processor.

HPI-5 SPECIFICATIONS	
Rec Amplifier	240 - 360W Nom.
Impedance	16 ohm
Frequency Response	75Hz - 19kHz
Max SPL	117dB
Directivity	100° x 60° [hor x ver]
Woofer	5" Woofer
Tweeter	1" Ferrite Compression Driver
Connections & Wiring	2x Speakon 1+/-
Dimensions	248 x 182 x 150mm
Weight	6.2kg net



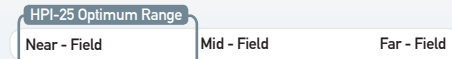
# HPI-25



To extend the possibilities of the HPI-5, the HPI-25 is a double 5" version of the single 5" system. This extended system boasts higher SPL output and an extended frequency range. The HPI-25 has the unique feature of interchangeable transducer positioning. With this feature it is possible to relocate the HF driver to baffle centre or at either end for optimum HF coverage. The HF horn can also be rotated for horizontal dispersion.

The low profile cabinet design coupled with the close fitting installation bracket allows for minimum sightline obstruction when the HPI-25 is employed as an under balcony delay or stage infill speaker. The HPI-25 is an excellent and practical high fidelity solution for theatre and architecturally sensitive venues where mid power short to mid throw voice or music is required.

HPI-25 SPECIFICATIONS	
Rec Amplifier	240 - 360W Nom.
Impedance	8 ohm
Frequency Response	60Hz - 19kHz
Max SPL	118dB
Directivity	Rotatable 100° x 60° [hor x ver]
Woofer	2x 5" Woofer
Tweeter	1" Ferrite Compression Driver
Connections & Wiring	2x Speakon 1+/-
Dimensions	432 x 182 x 150mm
Weight	9.3kg net



# HPI-8i



The HPI-8i is a compact, full frequency range multi-purpose 2 way passive speaker system designed for portable live sound and permanent installations. It is suited to full range front of house applications that require a short/mid throw solution in standalone situations, as part of a small array or distributed system.

The single 1" 90 degree neodymium HF driver format coupled with the proprietary ceramic 8" mid bass woofer produces a full range sound at medium/high sound pressure levels. In addition to standalone and small array applications, the HPI-8i can also be used as an element in a multi-way system or as a delay speaker; extending the throw of a primary system. The rotatable horn flare makes the HPI-8i perfect for both horizontal and vertical installations as HF dispersion can be adjusted accordingly. The HPI-8i has also been designed to sound optimal right out of the box eliminating the requirement for costly system processors.

The HPI-8i has a number of features designed to increase performance and versatility in professional sound installation environments. The asymmetrical high frequency dispersion of the HPI-8i ensures that sound can be directed away from nearby walls and ceilings, lowering room reflections whilst improving vocal intelligibility.

The high power handling and versatile rigging possibilities of the HPI-8i make it a functional choice for a wide variety of venue environments from houses of worship to live venues.

## HPI-8i SPECIFICATIONS

Rec Amplifier	320 - 500W Nom.
Impedance	8 ohm
Frequency Response	75Hz - 19kHz
Max SPL	119dB
Directivity	Asymmetric +15/-45 Vertical, 45/90 Horizontal
Woofer	8" High Powered Woofer
Tweeter	1" Ferrite Compression Driver
Connections & Wiring	2x Speakon 1+/-
Dimensions	449 x 250 x 250mm
Weight	8.9kg net



# HPI-110



The HPI-110 is a full frequency range multi-purpose 2-way passive speaker system designed for live sound touring and permanent installations.

It is suited to full range front of house applications that require mid-throw capabilities. It is equally at home as a standalone system or as part of a small array. The highly versatile HPI-110 can also be configured in multiple numbers as a multi-way system with sub bass enhancement or individually as part of a compact portable full range system with single sub bass enhancement (See HPI Series bass speaker systems). The HPI-110 has been designed to operate in a vertical array configuration and requires no special system processors to deliver exceptional sound.

The very high powered three" voice coil HF driver matched to the 1.5" asymmetrical wave guide, results in reliable and high fidelity HF response with long throw capability. The highly efficient 10" neodymium magnet mid-bass transducer has been designed to function in a relatively large volume enclosure maximising LF output. The cone geometry and driver dynamic parameters are also engineered to deliver smooth frequency response across the vocal frequency spectrum.

This optimised vocal and midrange response makes the HPI-110 an exceptional system where vocal projection and reproduction of acoustic instrumentation is critical.

The integrated handle has been designed for simplified manoeuvring and doubles as part of the rigging system while providing chassis reinforcement. The HPI-110 features an extensive range of rigging options to suit almost every conceivable application.

HPI-110 SPECIFICATIONS	
Rec Amplifier	480 - 720W Nom.
Impedance	8 ohm
Frequency Response	70Hz - 18kHz
Max SPL	130dB
Directivity	Asymmetric +15/-45 vertical. 30/60 horizontal
Woofer	10" Neodymium Woofer
Tweeter	3" Neo Compression Driver (1.4" Exit)
Connections & Wiring	2x Speakon 1+/-
Dimensions	641.5 x 306 x 352mm
Weight	16.4kg net



# HPI-111



The HPI-111 is a mid powered compact speaker system that has a number of key technical innovations to improve performance in real venue environments; bearing in mind most venue architecture is inclined to degrade the performance of standard sound systems.

A common problem in many venues is reproducing intelligible voice. The degrading effect of wall and ceiling reflections causes loss of speech intelligibility. The location in a room where the reflections are approaching the level of the sound system is known as "the critical distance". The HPI-111 system extends the "critical distance" by utilizing a custom HF wave guide. The design of the asymmetrical HF wave guide is such that it directs the sound away from the walls and ceiling. Sound is directed only where it is needed and away from the reflective surfaces of the venue. The result is exceptional vocal clarity and control over the dispersion area.

The HPI-111 system is comprised of a single 1" 90 degree asymmetrical wave guide and one 10" high powered woofer. The HF can be rotated to deliver optimum coverage in both vertical and horizontal installations. The HPI-111 is the perfect candidate for a myriad of applications including performing arts centers, houses of worship, corporate theatres and venue environments where mid level SPL coupled with high definition vocal reproduction is required.

The HPI-111 can also be supplemented with a sub bass system as part of a multi-way system and/or flown in arrays of up to three elements with a wide variety of optional rigging hardware.

HPI-111 SPECIFICATIONS	
Rec Amplifier	480 - 720W Nom.
Impedance	8 ohm
Frequency Response	70Hz - 19kHz
Max SPL	129dB
Directivity	Rotatable Asymmetric [90 degrees horizontal; 60 degrees vertical +/-45deg]
Woofer	10" Ferrite Woofer
Tweeter	1" Ferrite Compression Driver
Connections & Wiring	2x Speakon 1+/-
Dimensions	641.5 x 306 x 352mm
Weight	17.4kg net



# HPI-12S



As an ultra compact passive sub bass for mobile audio or permanent installation, the HPI-12S is hard to beat. Light in weight and high in LF output, the HPI-12S is ideally suited to small\medium sized venues that require authentic sub bass with a very low visual profile.

Internal rigging points allow the sub bass to be flown for permanent ceiling installation and the 35mm top hat can accommodate a standard speaker pole for mounting a satellite mid-high box. Power handling is high for such a small system with a power amplifier recommendation of 600W nominal.

The HPI-12S passive sub bass is the ideal partner to any of the HPI's small format satellite systems. It can also be powered with any of Quest Engineering's excellent range of power amplifiers which encompass internal cross-over features.



HPI-12S Optimum Range

Near - Field

Mid - Field

Far - Field

## HPI-12S SPECIFICATIONS

Rec Amplifier	480 - 720W Nom.
Impedance	8 ohm
Frequency Response	40Hz - 160Hz
Max SPL	128dB
Woofer	Custom Designed 12" Ferrite
Connections & Wiring	2x Speakon 1+/-
Dimensions	540 x 470 x 365mm
Weight	20.5kg net



# HPI-212S



The HPI-212S is a passive high powered 1,000-watt RMS 2 x 12" front-loaded low profile sub-bass enclosure featuring enhanced sub low bass and great percussive "punch". The HPI-212S has been designed as a general purpose bass and sub-bass enhancement system for live music or medium/high output club applications.

With a box height of only 390mm, the HPI-212S is perfect for discrete installation under small stages or as a flown system in small/medium sized venues. The purpose designed proprietary 12" high excursion woofers deliver consistent performance eliminating the need for a dedicated processor to achieve excellent sonic results. To power the HPI-212S, the Quest series of power amplifiers is a perfect match as all Quest power amplifiers feature an inbuilt crossover which maximises sub performance.

The void free casing is equipped with a 35mm top hat for pole mounting satellite speakers and there are numerous threaded inserts on the HPI-212S, making flying and installation a breeze.



HPI-212S SPECIFICATIONS	
Rec Amplifier	800-1200W Nom.
Impedance	4 ohm
Frequency Response	45Hz - 250Hz
Max SPL	131dB
Woofer	2x Custom Designed 12" Ferrite
Connections & Wiring	2x Speakon 1+/-
Dimensions	900 x 520 x 395mm
Weight	39.8kg net

# HPI-18LP



The HPI-18LP compact 18" sub bass is a compact sub solution for the permanent installation and live sound touring market where a low profile sub bass is required. It is suited to mid/high sound pressure level bass and sub bass as a stand-alone unit or in combination with the 12" HPI-212S sub bass as a multi-way or parallel sub bass system.

The HPI-18LP sub bass makes the perfect match as an additional sub bass enhancement to the HPI-110/210 speaker systems. It is equally at home as a standalone sub bass with any medium format speaker array or distributed system. The HPI-18LP can be flown using the box threaded inserts for permanent installation or as a mobile sub-satellite system using the internal 35mm top hat speaker pole fitting for adding a satellite speaker.



HPI-18LP SPECIFICATIONS	
Rec Amplifier	800-1200W Nom.
Impedance	8 ohm
Frequency Response	38Hz - 160Hz
Max SPL	129dB
Woofer	Custom Designed 18" Ferrite
Connections & Wiring	2x Speakon 1+/-
Dimensions	900 x 520 x 474mm
Weight	40kg

# HPI-18BP

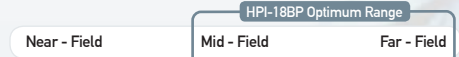


The HPI-18BP Bandpass single 18" Subwoofer is designed for high powered live and electronic dance music in medium to large venues. The Australian design and manufactured AES 1,000W – Peak 4,000W 18" sub bass driver in combination with the proprietary band-pass cabinet design is a high output and relatively compact solution for extended range bass for concert venues, nightclubs or as a standalone unit.

Apart from the usual sub bass electronic bandpass prior to the amplifier stage, no corrective system processor is required to maintain consistent audio quality. The stability of the driver under high loads also means reliability and long life in demanding environments.



HPI-18BP SPECIFICATIONS	
Rec Amplifier	2 - 4000 Watts RMS per channel
Impedance	8 ohm
Frequency Response	30Hz - 150Hz +/- 4.5dB
Max SPL	136dB
Woofer	Single High Stability 18"
Connections & Wiring	NL4 in/thru
Dimensions	595mm x 750mm x 825mm
Weight	60kg





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