

HPI SERIES Quest™ engineering

Models 8/12A/12S/15S/15SA/18S/21BS Installation Speakers

When compact, high fidelity audio is required, Quest Engineering's HPI Series is at home in any demanding production environment.

Limited Warranty

Quest loudspeakers and electronics are covered against defects in workmanship or materials for a period of three years from the original date of purchase. Warranty does not apply to cosmetic appearance and any items which have failed due to modifications, abuse, accidents, or any type of misuse. As part of a policy of continual improvement, Quest Engineering reserves the right to change specifications without notice.

HPI FULL RANGE Installation Speakers



HPI 8

The HPI-8 is a compact full range passive loudspeaker suited to multiple audio tasks. A high quality horn loaded compression driver matched to a 300 watt power handling high excursion woofer deliver exceptional output.

The enclosure is constructed as a 'wedge' format with both wall and pole mount capability. The shape of the enclosure makes it suitable for stand alone 'infill' or primary sound source where architectural considerations require a small and discrete installation.

The sonic character of the package is tuned to deliver outstanding vocal fidelity, and as a vocal monitor, requires next to no added equalization when employed with standard vocal microphones.

Music program reproduction is of sufficient quality for reference or cue monitoring in hostile environments where studio style monitors could be unsuitable.

The HPI-8 is at home in corporate audio, theatre, disco, live production and broadcast, to name a few applications in which this compact package will excel.



HPI 12A

The self powered HPI 12A is a combination of classic design fused with the very latest in processor controlled amplifiers. This combination provides power and convenience lending itself to a wide variety of sound reinforcement applications.

Recent breakthroughs in ultra light weight neodymium speaker technology provide the components capable of handling long term high power without loss of performance.

The 19mm birch ply enclosure is available with optional fly ware for easy flown array installation and finish is a purpose designed durable scratch resistant paint now utilised on all HPI series enclosures.

This class of powered system was previously only available at prices prohibitive to the average system designer. Relatively light weight, high output and smooth frequency response makes the HPI 12A a tremendously flexible tool for both front of house, delay system or as part of an array system in both permanent and mobile audio systems.

HPI Series FULL RANGE Specifications* SUB BASS Specifications*

	HPI 8	HPI 12A Powered		HPI 15SA Powered
Frequency Range -3dB	75 Hz - 20K	58 Hz - 20K	Frequency Range -3dB	43 - 110 Hz
Sensitivity @ 1watt/1 Mtr	97 dB	N/A	Max SPL	126 dB
HF Coverage Angle	H 90 degrees V 60 degrees	H 90 degrees V 70 degrees	Amplifier Power	900 Watts
Max SPL	123 dB	129 dB	Min Speaker O/P Impedance	4 Ohms
Nominal Impedance	8 Ohms	N/A	2 Channel line out	Direct Out & 110 Hz Hi Pass
Power Input Rating	270 Watts	N/A	Maximum # extension cabinets	1 x HPI 15S
Amplifier Power	N/A N/A	HF 60 watts LF 300 watts	Transducer	1 x 15" Double Wound 4" Coil
Transducer	1 x 8" Long excursion driver 1 x 1" HF Compression driver	HF 1" Compression driver LF 12" Neodymium	Enclosure	19mm Birch ply
Enclosure	Birch ply	19mm Birch ply	Finish	Scratch resistant paint
Protective Grill	Perforated Steel	Perforated Steel	Input Connections	L & R Line level XLR
Finish	Black scratch resistant paint	Black scratch resistant paint	Dimensions	H 605mm W 520mm D 600mm
Input Connections	2 x Speakon® NL4	Line/Mic XLR	Net Weight	33 Kg
Dimensions	H 450mm W 330mm D 280mm	H 640mm W 385mm D 390mm		
Net Weight	13 Kg	29 Kg		
Installation Options	Pole mount, wall mount	Aero clip, pole mount, optional C-track		

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** Indicates Powered Speaker



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Quest™
engineering

High Performance Installation is not a catch phrase, it is the objective. HPI sets a new standard of reliability, design and sonic performance.

The HPI Series fully reflects a pedigree relating to large-scale audio production. Not restricted to permanent installation, the HPI series are equally at home in mobile production and rental environments. No compromise on components or materials is evident. Superior European design and manufactured loudspeaker components coupled with Quest's leading edge 'Steep Slope*' x-over networks, deliver highly satisfying sonic results normally only associated with top of the



market products. All HPI series enclosures are constructed with 19mm birch ply and finished with scratch resistant paint or hard wearing carpet. Steel protective grill and a practical range of optional installation and rigging accessories complete the package. When compact high fidelity audio is required, the HPI series is at home in any demanding production environment. As with all Quest audio products, HPI delivers great results within a real world budget.

HPI SUB BASS Installation Speakers



HPI 12S Ultra compact Bass

The HPI 12S has been designed to provide low bass enhancement for both MT and HPI series installations.

Deep and uniform bass response is provided by a powerful high excursion front loaded bass driver. A built in passive low pass filter (12S P/option) network allows the HPI 12S to be installed without the necessity of extra electronics. Long term power up to a continuous 700 watts RMS means reliable operation as well as excellent sonic performance.

A durable finish combined with its high power and ultra compact size makes the HPI 12S a most versatile package where bass enhancement is required for bars, clubs and areas where architectural considerations eliminate large, spacious enclosures.



HPI 15S Compact Sub Bass

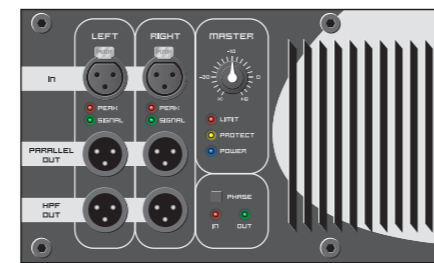
The 'dual chamber reflex' design makes possible high efficiency yet a very compact package. Extended low frequency capability, response uniform frequency and reduced distortion at high power levels are features not commonly found on conventional compact bass systems.

Power handling is a conservative 700 watts RMS due to a high capacity 15" sub bass driver of superior mechanical construction coupled with optimizing enclosure design.

The void free birch ply enclosure is painted with a scratch resistant finish and can be fitted with an optional low pass filter network featuring Quest's 'Deep Slope' filter technology. (HPI 15SP)

A unique feature of the design is the capacity to retro fit the Quest sub bass power module to convert your passive sub bass module to an active one. This simple upgrade can be performed by the user in a few minutes.

The HPI 15S is most suited to provide real sub bass for compact mobile systems and small to medium size venues where architectural considerations do not allow for large bass enclosures.



HPI 15SA Self powered sub bass

Self powered sub bass speakers have some unique advantages in both mobile and fixed installation situations. The tamper proof self processing HPI-15SA is the ideal selection featuring all the design benefits of the HPI-15S with the addition of a 900 watt purpose built amplifier and processor system.

The input section features a comprehensive control system allowing for flexible integration with active or passive speaker systems. The stereo input section routes signal through an electronic buffer to both 120 Hz filtered and unfiltered line output for operating powered High/Mid speakers.

An extension speaker output (sum L+R bass), is a unique feature that doubles the capability of the amplifier section. One extra passive HPI-15S can be connected the HPI-15SA to deliver greater output.

The HPI-15SA is the ultimate in versatility for rental hire companies and permanent or temporary system installation. Mobile band or DJ's will love them for their power, ease of transport and like all Quest products, unbreakable reliability.



HPI 18S

The HPI 18S incorporates a single 18" driver designed with optimum X-mass for a partially horn loaded enclosure. The result is a full sub bass sound with very high transient attack.

Ideally suited to high power applications, the high temperature 4" voice coil coupled with aerospace materials will retain its resonant properties for the life of the drive providing uniform frequency response regardless of age.

The void free birch ply cabinet is available in both cabinet carpet and scratch resistant painted finishes complete with heavy gauge steel front grill. Provision for rear mounted wheels makes the HPI-118 a versatile unit for mobile or permanent installation.

Accessories include a high current capacity low pass filter network featuring steep slope filter technology for performance unseen in conventional passive networks. (HPI 18SP)

The HPI118 is ideal for live music and disco installations where big bass is required to cover a medium size venue space.



HPI 218S

The HPI 218FL is very high powered 2 X 18" front loaded compact sub bass enclosure featuring Quest's DPRT** technology. It is designed for general purpose bass and sub bass enhancement for live music or high powered disco applications.

The utilisation of DPRT tech handles the potential problem of 'spongy' dynamic response found in many high excursion 18" front loaded enclosures. With this combination of innovative design and quality components, ripped speaker braids, collapsed cones and sagging suspensions are greatly reduced.

DPRT tech eliminates the need for dedicated system controllers. The enclosure design minimises the stresses on the bass drivers to extend their working life years beyond their normal life expectancy.

The HPI 218FL is suited to mobile live sound as well as large disco installation, especially where compact high output enclosures are required.

The enclosure is constructed with high quality void free ply and is available in both painted and carpet finish.

HPI Series SUB BASS Specifications*

	HPI 12S	HPI 15S	HPI 18S	HPI 218
Frequency Range -3dB	38 - 1200 Hz	43 - 400	38 -250 Hz	33 - 400 Hz
Range Optional X-over (SP)	38 - 200 Hz	43 - 150	38 -140 Hz	N/A
Sensitivity @ 1 watt/1 Mtr	96dB	99 dB	101 dB	102 dB
Max SPL	122.5 dB	126 dB	131 dB	134 dB
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	4 Ohms
Power Input Rating	600 Watts	600 Watts	700 Watts RMS	1,400 Watts
Passive x-over slope (SP)	24 dB per octave	24 dB Per Octave	24 dB Per Octave	N/A
Transducer	1 x 12" Long coil	1 x 15" Double wound 4" coil	1 X 18" Double wound 4" coil	2 x 18" Double wound long coil
Enclosure	19mm Birch ply	19mm Birch ply	19mm Birch ply	19mm Birch ply
Protective Grill	Heavy gauge perforated steel	N/A	Heavy gauge perforated steel	Heavy gauge perforated steel
Finish	Optional carpet/ scratch resistant paint	Scratch resistant paint	Optional carpet/ scratch resistant paint	Optional carpet/ scratch resistant paint
Input Connections	2 x NL4	2 x NL4	2 x NL4	2 x NL4
Dimensions	H 510mm W 440mm D 510mm	H 620mm W 520mm D 600mm	H 600mm W 800mm D 600mm	H 583mm W 1200mm D 690mm
Net Weight	22 Kg	26 Kg	49 Kg	75 Kg

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** Patent applied for.