

“No Compromises” Performance, Built-to-Order

Drawing from years of experience and industry leading technologies like Complex Conic waveguides, P Series loudspeakers are designed to meet the needs of today’s AV professionals, with a broad range of systems to provide effective solutions for every sound reinforcement challenge.

P Series loudspeakers incorporate the newest generation of Complex Conic horns, with the latest drivers to provide clean, natural sound and tight pattern control. Unlike conventional loudspeaker designs, Complex Conic horns provide consistent beamwidth over a wider frequency range, with the natural, transparent sound that Renkus-Heinz is known for.

To insure consistent, unparalleled performance all P Series loudspeakers are self-powered with SA Series amplifiers, insuring no compromises in sonics, output or protection.

Made in the USA and fully customizable with the options you’ve come to expect from Renkus-Heinz including multiple horn dispersions, mounting and mobile options, custom color and weather resistance.

Applications

- Developed specifically for vertical mounting on walls, columns or prosceniums in applications where wide horizontal and tight, constant-directivity vertical control is required.
- Main loudspeaker in smaller reverberant rooms.
- Ideal for many side and front fill applications.
- Sound-on-a-stick portable applications in low-ceilinged rooms where vertical control is needed.
- Any application requiring low visual impact with the long throw offered by tight, vertical directivity.

High Directivity, High Output, Vertical Design

The P3-64 was developed specifically for applications needing wide horizontal directivity and tightly controlled vertical directivity.

It features a 1.4” voice coil high frequency compression driver with a 1” throat coupled to a Complex Conic horn. The patented Complex Conic horn eliminates high frequency beaming and provides wide angle coverage out to 20 kHz and beyond. The four high-efficiency 6” woofers produce a strong low end. Together, the 1” HF driver and quad 6” woofers deliver a surprisingly high 130 dB peak output level from 80 Hz to 20 kHz.

Designed In Flexibility

Twelve M6 Universal Mounting Points and a 2.75 in. x 4.25 in. four-point speaker mounting plate make installation easy and clean. The mounting plate is compatible with the W-WALL-IC7II mount as well as the Adaptive Technologies MM060 Multi-Mount.

A recessed handle at the top of the back panel makes carrying the P3-64 easy, and a standard pole socket makes them the ideal speaker for sound-on-a-stick applications in low-ceilinged rooms where you need the tight, vertical directivity to cover evenly to the back of the room.

P Series

P3-64-RN

RHAON Empowered

P3-64-RD

RHAON & Dante Redundant

Quad 6" LF + 1" HF Two-way, Controlled Directivity Loudspeaker



- **High Output**
Outstanding, full-range 80 Hz to 20 kHz performance in a space saving column design.
- **Quad-woofer Array for Extended Directivity Control**
Vertical directivity controlled to below 500 Hz.
- **1" Extended Range Titanium HF Driver**
Provides smooth, low distortion high frequency performance to 18 kHz and beyond.
- **SA1250 Amplifier**
SA1250 amplifier offers high output, full protection limiting, analog, AES and optional Dante inputs.

P3-64 Specifications

P3-64-RN & P3-64-RD	
Connector:	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, primary & secondary
Frequency Response:	80Hz to 18kHz (+/- 3dB)
Sensitivity:	1.0 volt for rated output, analog
Calculated Max. SPL:	130 dB (peak, whole space)
Dispersion:	150 h x 60 v
Power Handling:	<i>See SA1250 amplifier specs below</i>
Transducers:	Woofer: SSL6.5-18; High Frequency Driver: SSD1445-8; Replacement HF Diaphragm CD1445-8
Crossover Frequency:	1.8 kHz active electronic
Enclosure:	11 ply birch plywood
Grille:	16 GA powder-coated, plated steel
Finish:	Black (RAL9010) or White (RAL9011) paint
Mounting:	12 x M6 UMH points; 1 x M10 nutplate; 2.75 x 4.25 in. speaker mount plate & 35 mm tripod socket
Dimensions:	7-7/8" w x 34-3/4" h x 9-3/8" d 200 mm w x 883 mm h x 238 mm d
Weight:	42 lbs/19 kg

SA1250 Amplifier Specifications

	SA1250-RN	SA1250-RD (Brooklyn II)
Audio Connections:	2 x XLR-3, In & Loop-out, Analog and AES	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Dante Primary & Secondary Ethernet
Latency:	6.25 ms	6.25 ms Analog & AES 6.25 ms + Dante transport latency
Max. Input Level:	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital
Network Connections:	2 x RJ45, Looping Ethernet/RHAON	2 x RJ45 Dante Primary & Secondary Ethernet/RHAON <i>(Note: Dante and RHAON share a single or redundant Ethernet network.)</i>
User DSP:	Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms.	
Software:	RHAON II	
Power Output:	LF= 1000 watts, @ 8 oms / HF = 250 watts @ 8 ohms. Multi-band peak and thermal limiting on both channels protects the drivers.	
Mains Voltage:	100-240 volts, 50/60 Hz auto-switching	
Power Consumption:	Idle: 200 mW. 1/8 power: 240 W <i>(onset of limiting)</i> 1/3 power: 550 W <i>(hard limiting)</i>	
Power Connector:	Neutrik powerCON TRUE-1	
Temperature Limits:	Max.: 140° F/60° C, with no direct sun exposure; Min.: -22° F/-30° C; leave unit on to keep interior warm below 32° F/0° C.	

Note: All analog inputs and outputs comply with AES Standard 48-2005 on interconnecting, grounding and shielding.

