

“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.

Applications

- Developed specifically high output stage monitoring in the most demanding environments.
- Ideal for DJ Monitoring when stacked on top of additional subwoofers.
- The baffle angle is ideal for surface mount side-fill or surround sound
- Extreme output front fill when stood on its side.

The integrated multi-channel SA2000 amplifier precisely matches the power demands of the transducers, while providing all the necessary crossover, protection, and monitoring needed for long term reliability and confident use night after night.

With standard RHAON remote PC control as well as amplifier panel controls, a whole host of DSP features are available for system tuning and alignment, including gain, polarity, equalization, delay, input selection, and 10 available presets for easy recall of saved settings.

Available Dante Audio Transport with redundant networking capabilities simplifies installation into existing networked audio systems while also providing AES67 compatibility.

Made in the USA and fully customizable with the options you’ve come to expect from Renkus-Heinz. Standard handles and available dollies ensure easy transport and set up for both fixed installation and mobile use. Optional, horn dispersions, mounting and mobile options, custom color and weather resistance are all available.

P Series

P3-10M-RN RHAON Empowered

P3-10M-RD RHAON & Dante Redundant

Dual 10" LF + CoEntrant® Mid-High Three-way, Stage Monitor



- **High Output**
Outstanding, full-range 60 Hz to 20 kHz performance, three-way stage monitor design.
- **Premium, Dual 10" Woofers for High Output and Tight, Extended Bass**
Peak output of 133 dB and horizontal directivity controlled to below 500 Hz.
- **CoEntrant® Mid-High Driver on a Complex Conic Horn**
Provides smooth, low distortion performance to 20 kHz with perfect alignment and no pattern distortion through crossover.
- **SA2000 Tri-Amplifier**
SA2000 amplifier offers high output, full protection limiting, analog, AES and optional Dante inputs.

P3-10M Specifications

	P3-10M-RN & P3-10M-RD
Connector:	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, primary & secondary
Frequency Response:	60 Hz to 20 kHz (+/- 3dB)
Sensitivity:	1.0 volt for rated output, analog
Calculated Max. SPL:	133 dB (peak, whole space)
Dispersion:	90° h x 90° v
Power Handling:	<i>See SA2000 amplifier specs below</i>
Transducers:	Woofer: SSL10-7-4; Mid-High Frequency Driver: CDT-3-4B; Replacement HF Diaphragm CDT-3-TN
Crossover Frequency:	480 Hz & 2.5 kHz active electronic
Enclosure:	3/4 in./19 mm, 11 ply Lite-Ply® plywood
Grille:	16 GA powder-coated, plated steel
Finish:	Black (RAL9010) or White (RAL9011) paint, standard. Custom colors optional.
Hardware:	2 x RH Logo handles
Dimensions:	25-1/2" w x 15-1/4" h x 22" d 648 mm w x 386 mm h x 560 mm d
Weight:	68.4 lbs/31 kg

SA2000 Amplifier Specifications

	SA2000-RN	SA2000-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 / MF = 500 watts @ 4 ohms, HF = 250 watts @ 8 ohms. Multi-band peak and thermal limiting on all channels protects the drivers.	
Mains Voltage:	100-240 volts, 50/60 Hz auto-switching	
Power Consumption:	Idle: 400 mW. 1/8 power: 480 W <i>(onset of limiting)</i> 1/3 power: 1100 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.

