RENKUS-HEINZ

S Series Subwoofers

SX28 Externally Powered

SA28-RD RHAON & Dante Redundant

Very Compact, Direct Radiating Dual 8 in. Subwoofer

S Series, Designed for Power and Flexibility

Bass response is vitally important to all genres of music and Renkus-Heinz delivers superb results with the S Series of subwoofers.

Designed to complement any series of Renkus-Heinz loudspeakers, the S Series deliver deep, tight bass from surprisingly compact cabinets. Custom designed high-excursion woofers are perfectly mated to both the cabinet and the (optional) built-in power amplifier. Whatever the application, there's an S Series subwoofer to meet it.

The SX/SA28 subwoofer is the smallest subwoofer in the S Series, yet still delivers impressive low frequency output for its size. Large bass-reflex ports ensure that this forceful bass is never marred by any chuffing or fluttering noises.

Applications

- The SX/SA28 is a very compact subwoofer that is a perfect complement to any Renkus-Heinz full-range loudspeaker system where spacial constraints are tight.
- The low profile makes the SA/SX28 the ideal underseat subwoofer for restaurants, bars, and nightclubs.
- Unobtrusive design can provide discrete low frequency reinforcement for conference or meeting spaces.
- Handles and a top-mount pole adapter allows easy, elevated support of compact full-range loudspeakers for discrete Corporate A/V solutions.

Designed in Power & Flexibility

Sixteen, M10 Universal Mounting Points allow the SX/SA28 to be flown using M10 eyebolts, while the available recessed handles and top-mounted pole adapter make portable use easy and practical. Integrated rear cable channels allow for discrete installations even when flush to a wall.

The optional SA1250 power amplifier precisely matches the power needs of the SA28 provides optimal damping of the woofer and has factory optimized processing for performance and protection. The built-in amp eliminates the need for additional rack space and speaker cable runs, making adding a subwoofer to existing installs as simple as plugging it into power and running a signal to it.

Controlled via RHAON II, the SA1250's built-in DSP has eight, fully parametric EQ filters, high and low shelf and high and low pass filters and up to 340 ms. of delay. Inputs include analog, AES & Dante digital capability including AES67 compatibility and network redundancy. All easily accessed via a computer running RHAON II.

- **Small Size, High Output**

  Impressive 44 Hz to 170 Hz, 126 dB Peak SPL in an incredibly compact enclosure.

- **Two Eight In. Woofers and Large Reflex Ports**

  Long excursion 8" woofers and large, optimized bass-reflex ports deliver distortion and noise free bass.

- **Versatile**

  Standard Fixed and Mobile configurations offer ideal solutions for a wide range of installation and mobile A/V applications.

- **Available SA1250 Amplifier**

  SA1250 amplifier simplifies integration with factory optimized processing, multi-stage limiting, and inputs for analog, AES and Dante audio.

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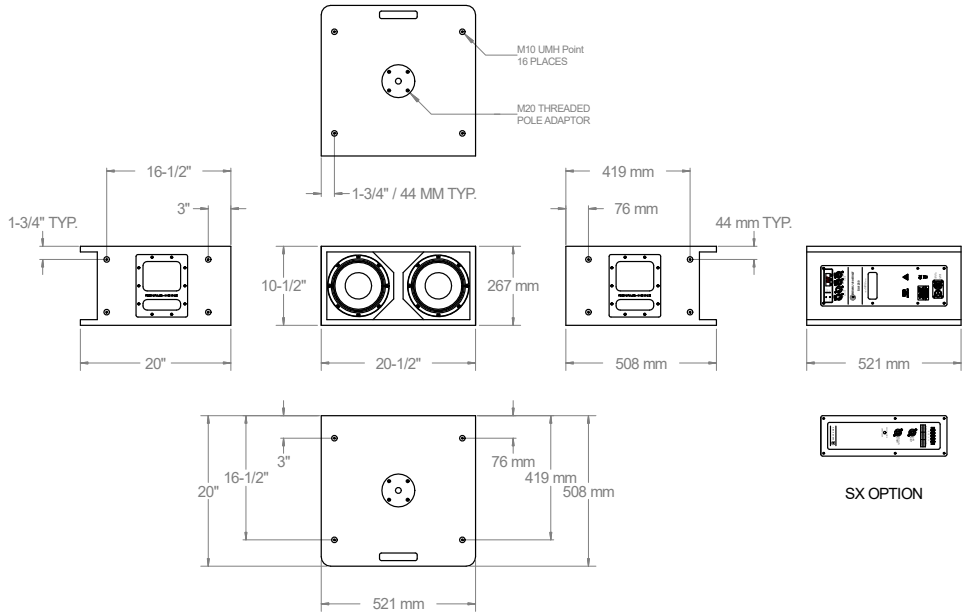
SA/SX28 Specifications

	SX28	SA28-RD
Sensitivity:	96 dB (1W/1m, half space)	1.4 volts RMS for rated output, analog
Power Handling:	300 watts AES @ 8 ohms, 600w Program at 8 ohms	See SA1250 amplifier specs below
Crossover Frequency:	120 Hz or lower recommended	120 Hz active
Connector:	2 x speakON® NL4; Four-place terminal strip, all paralleled	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, Ethernet/RHAON/Dante
Frequency Response:	50 Hz to 120 Hz (- 3dB) 44 Hz to 170 Hz (-10 dB)	
Max. SPL:	126 dB (peak, half space)	
Transducers:	Woofer: SSL8-23, Recone kit: REC8-23	
Enclosure:	3/4 in./19 mm, Birch plywood	
Grille:	16 GA powder-coated, plated steel	
Finish:	Black (RAL9011) or White (RAL9010) paint, custom color available	
Mounting:	16 x M10 UMH points; 1 optional x M20 nutplate/pole adapter	
Dimensions:	20-1/2" w x 10-1/2" h x 20" d / 521 mm w x 267 mm h x 508 mm d	
Weight:	54.2 lbs / 24.6 kg.	

SA1250 Amplifier Specifications

	SA1250-RD
Audio Connections:	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Ethernet/Dante Primary & Secondary
Latency:	6.25 ms Analog & AES 6.25 ms + Dante transport latency
Max. Input Level:	+22 dBu, Analog, 0 dBFS digital
Network Connections:	2 x RJ45 Dante Primary & Secondary Ethernet/RHAON *(Note: Dante and RHAON share a single or redundant Ethernet network.)*
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
Mains Voltage:	100-240 volts, 50/60 Hz auto-switching
Power Consumption:	Idle: 300 mW. 1/8 power: 240 W *(onset of limiting)* 1/3 power: 550 W *(hard limiting)*
Power Connector:	Neutrik powerCON TRUE-1
Temperature Limits	Max.: 140º F/60º C, with no direct sun exposure; Min.: -22º F/-30º C; leave unit on to keep interior warm below 32º F/0º C.

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



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RH 900 R7 SEPT 2026