



### 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. All easily accessed via a Windows computer running RHAON II.

The SA28-RD adds Dante digital signal distribution capability including AES67 compatibility and network redundancy.

## S Series Subwoofers

**SX28**

Externally Powered

**SA28-RN**

RHAON Empowered

**SA28-RD**

RHAON & Dante Redundant

### Very Compact, Direct Radiating Dual 8 in. Subwoofer



#### • 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, analog, AES and optional Dante inputs.

## SA/SX28 Specifications

	SX28	SA28-RN & SA28-RD
<b>Sensitivity:</b>	96 dB (1W/1m, half space)	1.4 volts RMS for rated output, analog
<b>Power Handling:</b>	300 watts AES @ 8 ohms, 600w Program at 8 ohms	See SA1250 amplifier specs below
<b>Crossover Frequency:</b>	120 Hz or lower recommended	120 Hz active
<b>Connector:</b>	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
<b>Frequency Response:</b>		50 Hz to 120 Hz (-3dB) 44 Hz to 170 Hz (-10 dB)
<b>Max. SPL:</b>		126 dB (peak, half space)
<b>Transducers:</b>		Woofer: SSL8-23, Recone kit: REC8-23
<b>Enclosure:</b>		3/4 in./19 mm, Birch plywood
<b>Grille:</b>		16 GA powder-coated, plated steel
<b>Finish:</b>		Black (RAL9010) or White (RAL9011) paint, custom color available
<b>Mounting:</b>		16 x M10 UMH points; 1 optional x M20 nutplate/pole adaptor
<b>Dimensions:</b>		20-1/2" w x 10-1/2" h x 20" d / 521 mm w x 267 mm h x 508 mm d

## SA1250 Amplifier Specifications

	SA1250-RN	SA1250-RD (Brooklyn II)
<b>Audio Connections:</b>	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Primary & Looping Ethernet	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Ethernet/Dante Primary & Secondary
<b>Latency:</b>	6.25 ms Analog & AES	6.25 ms Analog & AES 6.25 ms + Dante transport latency
<b>Max. Input Level:</b>	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital
<b>Network Connections:</b>	2 x RJ45, Looping Ethernet/RHAON	2 x RJ45 Dante Primary & Secondary Ethernet/RHAON (Note: Dante and RHAON share a single or redundant Ethernet network.)
<b>User DSP:</b>	Eight fully parametric filters, high and low shelf, high and low pass filters, delay to 340 ms.	
<b>Software:</b>	RHAON II	
<b>Power Output:</b>	LF= 1000 watts, @ 8 oms	
<b>Mains Voltage:</b>	100-240 volts, 50/60 Hz auto-switching	
<b>Power Consumption:</b>	Idle: 300 mW. 1/8 power: 240 W (onset of limiting) 1/3 power: 550 W (hard limiting)	
<b>Power Connector:</b>	Neutrik powerCON TRUE-1	
<b>Temperature Limits</b>	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.*

