

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/SA112 subwoofer provides the power and punch of a 12 inch woofer in a cabinet that is easy to integrate into any project. Large ports insure that this forceful bass is never marred by any chuffing or fluttering noises.

Applications

- The SX/SA112 is a high-output, direct radiating subwoofer that is an ideal complement to any Renkus-Heinz full-range loudspeaker system.
- Used singly it adds sub-bass extension or LFE for AV, House-of-Worship and other multi-media applications.
- In multiples, it's deep extension and large cone area provide chest thumping impact for all kinds of musical performance.
- A top-mount pole adapter allows easy, elevated support of a full-range loudspeaker for portable applications.
- Standard recessed handles for portable use are inconspicuous in installs.

Designed in Power & Flexibility

Sixteen, M10 Universal Mounting Points allow the SX/SA112 to be flown using M10 eyebolts, while the recessed handles top-mounted pole adapter and available casters make portable use easy and practical.

The optional SA2000 power amplifier precisely matches the power needs of the SA112, provides optimal damping of the woofer and has factory optimized, multi-band limiting. 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 SA2000'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 SA112-RD add Dante digital signal distribution capability including AES67 compatibility and network redundancy (RD Model.).

S Series Subwoofers

SX112	Externally Powered
SA112-RN	RHAON Empowered
SA112-RD1	RHAON & Dante
SA112-RD	RHAON & Dante Rec

RHAON & Dante Redundant

High Output, Direct Radiating 12 in. Subwoofer



• High Output

Outstanding 126 dB peak SPL performance.

- Twelve-inch Woofer for Excellent Bass Response Strong performance from 37 Hz to 130 Hz.
- Versatile

Recessed handles, pole adapter and available casters for mobile use.

• Optimal Subwoofer Fidelity

Direct radiating design with large ports assures deep, powerful bass without coloration or port noise.

• Available SA2000 Amplifier

SA2000 amplifier offers high output, full protection limiting, analog, AES and optional Dante inputs.

	SA/S	SX112 Specifications		
	SX112	SA112-RN, & SA112-RD		
ensitivity:	93 dB (1W/1m, Half-space)	1.4 volt for rated output, analog		
ower Handling:	500 watts AES @ 4 ohms	See SA2000 amplifier specs below		
rossover Frequency:	120 Hz or lower recommended	100 Hz active		
onnector:	$2 \ x \ Speakon^{\otimes} \ NL4;$ Four-place terminal strip, all paralleled	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45, Ethernet/RHAON/Dante		
requency Response:		43 Hz to 110 Hz (- 3 dB) 37 Hz to 130 Hz (-10 dB)		
lax. SPL:	126 dB (peak, half space)			
ransducers:	Woofer: SSL12-27, Recone kit: REC12-27			
nclosure:	3/4 in./19 mm, 11 ply Birch plywood			
rille:	16 GA powder-coated, plated steel			
inish:			ilable	
lounting:	Black (RAL9010) or White (RAL9011) paint, custom color available			
		16 x M10 UMH points; 1 x M20 nutplate/pole adapter	D9 mm d	
imensions:		19-1/4" w x 17-1/2" h x 20" d / 489 mm w x 445 mm h x 50	ло нин и	
	SA2000	Amplifier Specifications		
	SA000-RN	SA2000-RD1 (Ultimo)	SA2000-RD (Brooklyn II)	
udio Connections:	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	2 x XLR-3, In & Loop-out, Analog and AES 2 x RJ45 Ethernet/Dante Primary & Secondary	
atency:	6.25 ms	6.25 ms Analog & AES 6.25 ms + Dante transport latency	6.25 ms Analog & AES 6.25 ms + Dante transport latency	
ax. Input Level:	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital	+22 dBu, Analog, 0 dBFS digital	
etwork Connections:	2 x RJ45, Looping Ethernet/RHAON	2 x RJ45 Dante & RHAON looping (two-port switch) (Note: Dante and RHAON share a single Ethernet network.	2 x RJ45 Dante Primary & Secondary Ethernet/RHAON (Note: Dante and RHAON share a single or redundant	
ser DSP:	Redundant networking is not available on RD1 versions.) Ethernet network.)			
oftware:	Eight fully parametric filters, high and low shelf, high and lo RHAON II	w pass mers, delay to 340 ms.		
onware. ower Output:	LF= 2000 watts, @ 8 oms			
lains Voltage:	Lr= 2000 watts, @ 8 onts 100-240 volts, 50/60 Hz auto-switching			
ower Consumption:	Idle: 200 mW. 1/8 power: 480 W (onset of limiting) 1/3 power: 1200 W (hard limiting)			
ower Connector:	Neutrik power: 480 w (oriset of initiality) 1/3 power: 1200 w (nard initiality) Neutrik powerCON TRUE-1			
emperature 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		
		with AES Standard 48-2005 on interconnecting, grounding an	u unionang.	
		M20 Threaded Pole Adaptor		
	17-1/2" 20"	445 mm	489 mm	



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