

Six separate 100 watt rms amplifiers Bridged pairs deliver 300 watts rms

Six 100 Watt Amps in One. The SSA 6 supplies six independent amplifier channels in one compact package. Each channel delivers 100 watts rms into an eight ohm load, or 150 watts each into a four ohm load. Adjacent channel pairs can operate bridged to provide 300 watts into eight ohms.

Six, Five, Four or Three? The SSA 6 provides an unprecedented degree of flexibility. Use it as a home theater amplifier with separate left, center, right, sub, left surround and right surround channels. Drive a pair of two-way speaker systems, bi-amped with two bridged pairs at 300 watts for the low end and two 100-watt channels for the high end. Run three stereo auxiliary systems in different rooms, each with different sources, at 100 watts per channel each. A single SSA 6 is a fraction of the size and weight of the equivalent number of two-channel amplifiers.

Independent Channels. Each channel is contained on its own circuit board making it immune to the actions of any other channel. Though power is distributed from one high-current toroidal power supply, signal back-feed is prevented from heavily loaded channels to any other channel.

Independent READY indicators signify operation of the output muting relays. Muting activates for approximately three seconds after

power is applied, immediately after turnoff, and any time there is DC or large infrasonic signals.

Input Level Controls are provided on the front panel for individual channel sensitivity. The knobs may be removed and the holes plugged with supplied caps once levels are set.

Input Protection. Each channel of the SSA 6 includes an input voltage controlled attenuator. This carefully designed circuit prevents clipping at the output of the amplifier for any load for up to 15 dB of input overdrive. An independent PEAK LIMIT indicator lights when this circuit is activated. This provides additional headroom to each channel, making the 100 watt ratings effectively much higher, and the results much louder, meeting the dynamic demands of home theater.

Output Protection. An independent LOAD LIMIT indicator lights when the safe operating area protection circuit is engaged. Up to 30 dB of input attenuation provides maximum power to the load while maintaining safe power dissipation in the output devices of the amplifier. This topology protects the amplifier without interrupting the output signal. In contrast, other manufacturers protection circuits typically turn off the output devices or mute the input signal to protect the amplifier.

The SSA 6 bridging topology ensures accurate tracking of bridged channels at all

times. The output levels continue to track even during clipping, transient overload, short circuit, output shorts, and any amplifier protection.

Details: Euroblock high current connectors provide fast positive connection of speaker leads. They accept up to 12 AWG wire, including most high-end cables.

The SSA 6 contains the quietest fan available. A continuously variable speed circuit keeps the fan slow and quiet. Active temperature sensing speeds up the fan only when the amplifiers need it—the fan slows down as the amplifiers cool. Forced air cooling provides superior long term reliability.

The SSA 6 is UL listed and CSA certified for professional installation. The heavy gauge all-steel construction of the SSA 6 offers a high level of mechanical integrity. 19" rack mounting ears are available as an accessory.



SSA 6

BY
RANE
CORPORATION
MUKILTEO, WA

WARNING— TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE. DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.
AVIS: RISQUE DE CHOC ELECTRIQUE— NE PAS OUVRI

CAUTION— TO PREVENT POSSIBLE HAZARD TURN UNIT OFF AND UNPLUG AC LINE CORD BEFORE REMOVING FAN FILTER COVER FOR CLEANING.

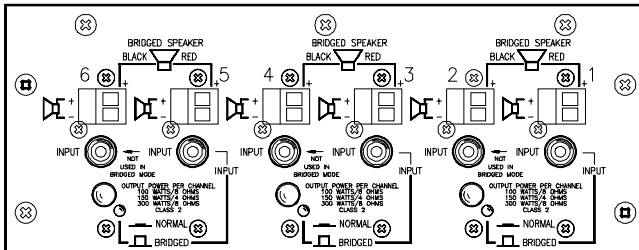
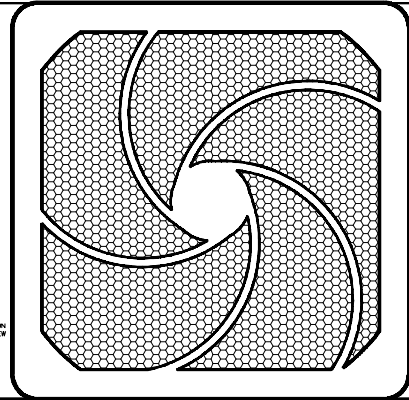
CAUTION— TO REDUCE THE RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE. DISCONNECT SUPPLY CORD BEFORE CHANGING FUSE.

ATTENTION— UTILISER UN FUSIBLE DE RECHANGÉ DE MÊME. DÉBRANCHER AVANT DE REMPLACER LE FUSIBLE.
120VAC UNIT: FUSE TYPE 3AB 15A/250VAC FB
230VAC UNIT: FUSE TYPE 3AB 8A/250VAC FB



120 VAC
50/60Hz
1400 WATTS
TYPICAL

FOR CONTINUED
DAMPING PROTECTION
DO NOT REMOVE SCREW



Parameter	Specification	Limit	Units	Conditions/Comments
Power Output	100 150 300	Min Min Min	W W W	All channels driven, 20-20 kHz (6) 8 ohm loads (6) 4 ohm loads (3) bridged pairs into 8 ohms
Inputs:	Active Unbalanced			Gold plated RCA connectors
.....Impedance	20k	1%	ohms	
.....Sensitivity	0.6V input=100 W/8 ohms		mV	Level controls at Max
Outputs:				
.....Damping Factor	300:1	10%		1 kHz
.....Minimum Load	No less than 4 ohms No less than 8 ohms			Single channel operation Bridged operation
Fan Cooling	Continuous Variable Speed		DC	Intake rear; exhaust front
Output Protection	On/Off Transient Muting			Output relays
Input Protection	Servo-Locked™ Input Atten.			
.....Peak Limit	1% THD			Attenuates Input to maintain <3% THD for 15 dB of overdrive
.....Load Limit				Attenuates Input as much as -30 dB to maintain safe power dissipation—relay cutout fail-safe
Frequency Response	10-55 kHz	+0/-3	dB	
THD+Noise	0.07	.03	%	100 W into 8 ohms, 20-20 kHz
IM Distortion (SMPTE)	0.1	.05	%	60 Hz/7 kHz, 4:1
Signal-to-Noise Ratio	103	2	dB	re 100W, 0.775v sens., 20 kHz BW
Crosstalk	-60	3	dB	1kHz, any channel to any channel
Maximum AC Power	2200		W	(6) Channels driven to full power
Unit: Agency Listing				
.....120 VAC model	UL cUL (Canada)			UL 813 (file E104174) C22.2 (file E104174)
.....230 VAC model	CE-EMC certified EN55013 CE-Safety certified EN60065			EMC directive 89/336/EEC LV directive 73/23/EEC
Unit: Construction	All Steel			
.....Size	5.25"H x 17.4"W x 11"D (3U)			(13.3 cm x 44.1 cm x 27.9 cm)
.....Weight	32 lb			(14.5 kg)
Shipping: Size	11" x 23" x 16"			(27.9 cm x 58.4 cm x 40.6 cm)
.....Weight	37 lb			(17 kg)
Note: 0 dBu=0.775 Vrms				

SSA 6RM Rackmount Kit is available as an accessory

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All features & specifications subject to change without notice. 05584 NOV97