

JBL

SR6615, SR6630 & SR6670A

Power Amplifiers

UREI Electronic Products

Key Features:

- ▶ Rated output power of 150, 300 and 600 watts per channel into 4 ohms (both channels driven) over a full 20 Hz – 20 kHz bandwidth.
- ▶ Forced-air cooling linearly tracks heatsink temperature.
- ▶ Switching power supply in 600 watt model.
- ▶ Stepped input level controls.
- ▶ Small, lightweight, road-worthy 2 rack space chassis.
- ▶ Professional XLR and ¼ inch phone input connectors.
- ▶ Heavy duty binding post output terminals on smaller models; Speakon® connectors on SR6670A.
- ▶ Fully short-circuit, temperature and D.C. offset protected.
- ▶ Power-on, Signal Present, Clip and Protect/Standby indicators.
- ▶ Switchable Stereo, Dual Mono and Bridge operating modes.
- ▶ Protective circuit breakers.
- ▶ Conforms to UL requirements.
- ▶ Ground-lift capability.



The JBL/UREI SR Series of Power Amplifiers are functional tools designed to satisfy the specific demands of the audio professional and musician in terms of reliability and sonic quality.

Designed and built using the very latest computer optimization techniques, the SR Series amplifiers are packaged in small (2 rack space), lightweight, road-worthy but attractive cases. The SR Series chassis has no protruding screws on top or bottom surfaces, which makes rack installation smooth and scratch-free. Filtered cooling air is drawn in from the rear and exhausted at the front of the case; absence of vent holes on the top or bottom covers eliminate potential damage from screws or other debris falling into the amplifier.

Manufactured by UREI with their customary attention to detail, these amplifiers feature full short-circuit protection, automatically adjusted forced air cooling, and stepped input level controls. Protective circuit breakers are fitted for overload/short circuit protection and are fast and easy to re-set.

The model SR6670A features the latest in switching power supply design and innovative cooling techniques. Producing a continuous output of 600 watts into 4 ohms, and with weight less than 16 kg (35 lb), the SR6670A is ideal for on-the-road applications.

Delivering full 20 Hz to 20 kHz bandwidth at outputs of 150, 300 and 600 watts per channel into 4 ohms and designed to meet the stringent requirements of the UL safety agency, these amplifiers will continue to function even if the power line voltage sags to 70% of its nominal value.

Professional XLR and ¼ inch 3-wire phone input connectors (wired in parallel for easy cascading) feed the fully active bridging differentially balanced input circuitry. Speaker connection on the two smaller models is by way of heavy duty ¾ inch 5-way binding post output terminals. The SR6670A uses Neutrik Speakon® output connectors for utmost in current capability.

The amplifiers have three modes of operation: Stereo, Dual mono (both channels fed from one input connector), and Bridged output, selectable by a single switch mounted on the rear of the unit.

▶ SR6615, SR6630 & SR6670A Power Amplifiers

Specifications Common to all models except where noted

Output Power	SR6615		SR6630		SR6670A	
	Rated Power 20 Hz-20 kHz	Midband Power 1 kHz	Rated Power 20 Hz-20 kHz	Midband Power 1 kHz	Rated Power 20 Hz-20 kHz	Midband Power 1 kHz
2 Ohm/Channel:	—	250 W	—	500 W	—	—
4 Ohm/Channel:	150 W	175 W	300 W	330 W	600 W	766 W
8 Ohm/Channel:	90 W	110 W	190 W	200 W	360 W	—
8 Ohm Bridge:	300 W	—	600 W	—	1200 W	—
16 Ohm Bridge:	180 W	—	380 W	—	720 W	—
Rated Power:	is minimum continuous sine wave output per channel, with both channels driving their rated load and over a power bandwidth of 20 Hz to 20 kHz. Maximum total harmonic or intermodulation distortion measured at any power level from 250 milliwatts to rated power is less than 0.1%. Maximum Transient Intermodulation Distortion is less than 0.05%.					
Midband Power:	is maximum output power at onset of clipping, both channels driven with 1 kHz sine wave, THD 1%.					
Frequency Response:	+0, -1 dB, 20 Hz to 20 kHz, at any level up to rated power.					
Noise:	At least 100 dB below rated output (15.7 kHz noise bandwidth).					
Input:	Balanced bridging differential amplifier.					
Input Impedance:	Line: 40k ohms used as balanced input; 20k ohms used as unbalanced (single-ended) input.					
Maximum Input Level:	+20 dB (7.75 V rms).					
Input Sensitivity:	1.1 V for rated output into 8 ohm load.					
Voltage Amplification:	Variable; maximum 28 dB (SR6615), 31 dB (SR6630), 33 dB (SR6670A).					
Rise Time:	Less than 6 microseconds (limited by input filter).					
Slew Rate:	Greater than 40 volts per microsecond.					
Damping Factor:	Greater than 200 at any frequency from 20 Hz to 1 kHz into 8 ohm load.					
AC Power:	Typical Power Consumption: At idle (approx.): 50 W (SR6615), 60 W (SR6630), 150 W (SR6670A). At rated output (4 ohms both channels): 700 W (SR6615), 1200 W (SR6630), 2100 W (SR6670A).					
DC Output Offset:	±10 millivolts maximum.					
Polarity:	Positive-going signal on pin 2 of XLR or tip of phone jack gives positive-going signal at + output terminal.					
Dimensions:	483 x 88.9 mm (19 x 3½ in) EIA rack mount; SR6615 and SR6630 depth behind panel: 368 mm (14½ in), 406 mm (16 in) depth to rear of rear rack mounting ears; SR6670A depth behind panel: 406 mm (16 in), 445 mm (17½ in) depth to rear of rear rack mount ears.					
Net Weight:	SR6615: 14.5 kg (32 lb), SR6630: 15.4 kg (34 lb), SR6670A: 16 kg (35 lb)					
Materials:	Chassis is plated and painted steel. Rack ears and handles are painted aluminum.					

JBL/UREI continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL/UREI product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

Features Common to all models

Rear Panel:	Input Connectors: XLR, Phone Jacks, Ground Lift Switch. Mode Switch: Stereo/Dual, Mono/Bridge, Mono. Output Connections: 5-Way Binding Posts In Line on 19 mm (¾ inch) Centers, Neutrik Speakon® Connectors (SR6670A only) Locations to attach rack supports at rear panel. Circuit Breakers.
Front Panel:	Power Switch. Stepped Input Level Controls. Rack Handles. LED Display: Power, Input Signal Present (2), Output Clip (2), Protect.
Other:	Fan cooled (air flow rear-to-front). Designed to the requirements of UL, CSA, VDE.



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