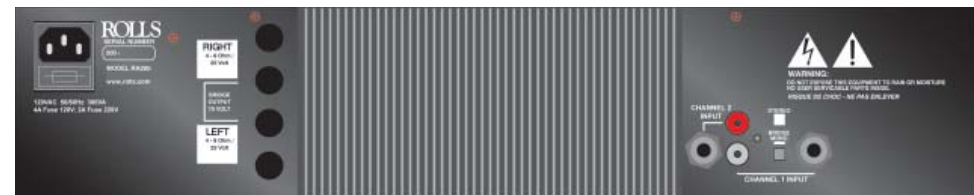


ROLLS

RA200 100 WATT/ 2 CHANNEL POWER AMPLIFIER



ROLLS

ROLLS CORPORATION
SALT LAKE CITY, UTAH

10/05

Quick Start Guide

INTRODUCTION

Thank you for your purchase of the ROLLS RA200 Power Amplifier. The RA200 is a stereo 100 Watt per channel MOSFET power amplifier. It bridges to 200 Watts into eight ohms. It is intended for professional audio applications such as recording studios and small live performances.

INSPECTION

1. Unpack and inspect the RA200 box and package.

If obvious physical damage is noticed, contact the carrier immediately to make a damage claim. We suggest saving the shipping carton and packing materials for safely transporting the unit in the future.

2. Please visit our website; www.rolls.com, and click on the Register Your Warranty Here text.

INSTALLATION



Connect the power cord to an AC power source, connect the input to the signal source and to the RA200 via the RCA or 1/4" input jacks. A minimum impedance of 4 Ohms Stereo, and 8 Ohms Bridged is acceptable. Lower impedances will damage the amplifier. Speakers may be connected by using the 1/4" output jacks, or the dual banana posts. Turn the Volume controls fully counterclockwise (off), and turn on the power switch, the power LED should light. With the program material running, slowly increase the Volume controls until the desired level of sound is present. There is a one second turn-on delay provided to prevent possible speaker damage in case all equipment is on a signal power strip.



BRIDGING

To bridge the RA200, first ensure the power is off. Press in the Bridging switch to the "Bridge Mono" position. The Channel 1 Volume control will be the master volume, Channel two Volume is inactive.

Connect the input to Channel 1 input, then connect the load (speakers) to the two positive (red) banana jacks. Channel 1 red is positive, Channel 2 red is negative. Make no connections to the black posts. The level meters will both light, and the output power into 8 ohms is the sum of the LEDs that light.

FAULT PROTECTION

The fault protection in the RA200 limits the current to the output stage in the faulted channel and turns on all the LEDs in that channel. This mode is entered whenever the output stage is called upon for too much power, it may also be fooled by impedances lower than four ohms - which may cause the output stage to overheat and burn up the MOSFETs. Since the RA200 is convection cooled, the unit radiates heat from the rear panel and, depending on the load demand, it may become very hot if drawn upon heavily. A NOTE ON FUSE REPLACEMENT: REPLACE THE FUSE ONLY WITH THE PROPER AMPERAGE/VOLTAGE RATING. INSTALLING A FUSE OTHER THAN THE RECOMMENDED RATING WILL DAMAGE THE UNIT BEYOND REPAIR.

SPECIFICATIONS

Power Output, Stereo:	100 Watts RMS/ch. 4 Ω 70 Watts RMS/ch. 8 Ω Bridged - 200 Watts RMS 8 Ω
Input Connectors:	1/4" TRS balanced and RCA
Output Connectors:	5-way binding posts
Sensitivity:	<1 VRMS for full output
THD:	<.08% (1kHz @ 1 Watt)
S/N Ratio:	106 dBu
Power Bandwidth:	DC - 30 kHz +/- 1dB
Damping Factor:	> 150
Slew Rate:	100 Volts/microSecond
Phase Shift:	<10 Deg., 20Hz - 20kHz
Input Impedance:	10 K Ohms Balanced
Power:	120 VAC 60Hz 2.5A 230 VAC 50Hz
Size:	19" x 3.5" x 7.5" (48 x 9 x 19 cm)
Weight:	12 lbs (5.5 kg)

SCHEMATIC

