

FULL PREAMPLIFIER OPERATING INSTRUCTIONS

ALLOW ADEQUATE VENTILATION

The preamplifier should be placed where it will have at least 6 inches of air circulation above it.

SYSTEM GROUNDING

Your preamp has a three pronged grounded AC plug. For best grounding the Quicksilver Full Preamp should provide the system ground. If you ground other pieces independently, a slight hum may be audible.

AUTO-MUTE

When the preamp is first turned on, it will automatically mute the outputs for approximately 60 seconds. During this time the LED on the front panel will light RED. When the preamp comes out of auto-mute, either the yellow or blue LED will light depending on the position of the mute switch. If the preamp is turned off, or power is lost for longer than 3 seconds, the auto-mute circuit will re-engage.

TUBES

The 12AX7 is probably the most popular preamp tube ever made. Your preamp uses a 12AX7 for the phono input and two 12AX7s for the line input. The phono output tube is a 6N1P. The line outputs are 6H30s, which are chosen for their low plate impedance and high current capability. Only tubes with these numbers should be used.

Expected tube and battery life

1. Chinese 12AX7 = 500 hours
Russian 12AX7 = 1500 hours
2. Russian 6N1P = 10,000 hours
3. Russian 6H30 = 5,000 hours
4. Batteries = 5 years(shelf life)

FULL PREAMPLIFIER SPECIFICATIONS

Bandwidth	0.01 Hz to 200 KHz - 10k load
IM distortion	less than .02 % at 2 volts
Harmonic dist.	less than .02% at 2 volts from 10 hz to 40 khz
Gain	18 db \pm 1 db - line 41 db at 1 khz - phono
Input Impedance	75 Kohm, 20 Hz - 20 KHz
Output Impedance	1.5 ohm, 20 Hz - 20 KHz
Output polarity	Line +180 deg, Phono +360 deg
Maximum Input	30 volts RMS, 20 Hz - 20 KHz
Maximum Output	60 volts RMS, 20 Hz - 20 KHz 20 volts into 600 ohms
Hum and noise	less than 10 microvolts RMS residual IHF weighted Gain control at minimum
Tube Complement	3-12AX7, 1-6N1P, 2-6H30
Dimensions	5"H, 11"D, 17"W
Front Panel	5 1/4"H, 19"W
Weight	28 lbs

Quicksilver Audio
4119 Coronado Ave. #8
Stockton, CA 95204
(209)957-6640 / Fax 957-6641
www.quicksilveraudio.com