

Quicksilver Audio Line Stage Preamplifier

Operating Instructions

Thank you for purchasing a Quicksilver Audio Line Stage Preamplifier. This unit was designed to be simple and reliable and to give wonderful sound quality at a reasonable price. We, at Quicksilver, are confident you will enjoy it!

ALLOW ADEQUATE VENTILATION

The preamplifier should be placed where it will have at least 4 inches of air circulation above it.

SYSTEM GROUNDING

Your preamp has a three pronged grounded AC plug. For best grounding the Quicksilver Line Stage 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 30 seconds. During this time the LED on the front panel will light RED. When the preamp comes out of auto-mute, the LED will light GREEN. 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 is shipped with Chinese 12AX7s, which we feel provide the best sound, but have a life of only about 500 hours. If the Chinese tube is allowed to wear out completely (over 500 hours), the filament coating can break down causing a filament-to-cathode short, which results in tube failure and no sound from that channel. For longer life, we can also supply a Yugoslavian 12AX7 which lasts several thousand hours. There are also many new-old-stock 12AX7s available.

FUSE

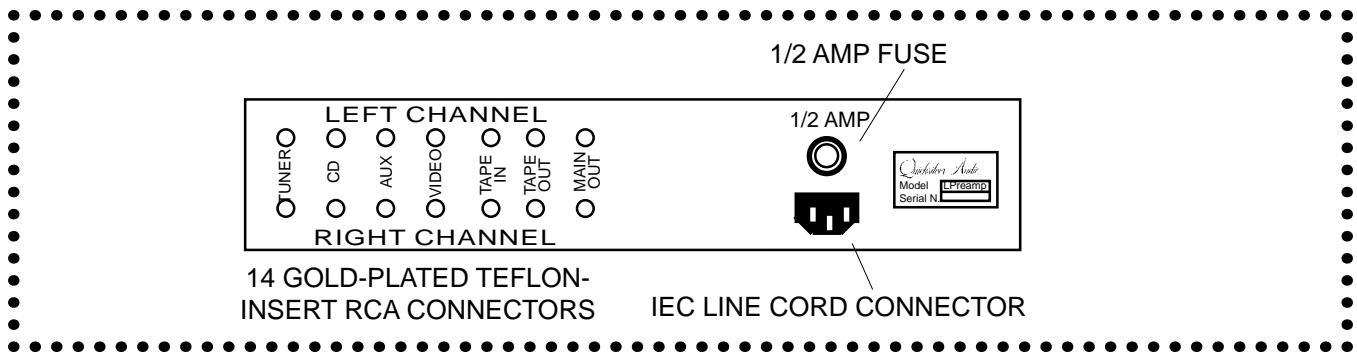
Never use larger than a 0.5 amp fast-blo fuse. If the fuse continually blows, the preamp should be returned to Quicksilver for servicing.

NOISE

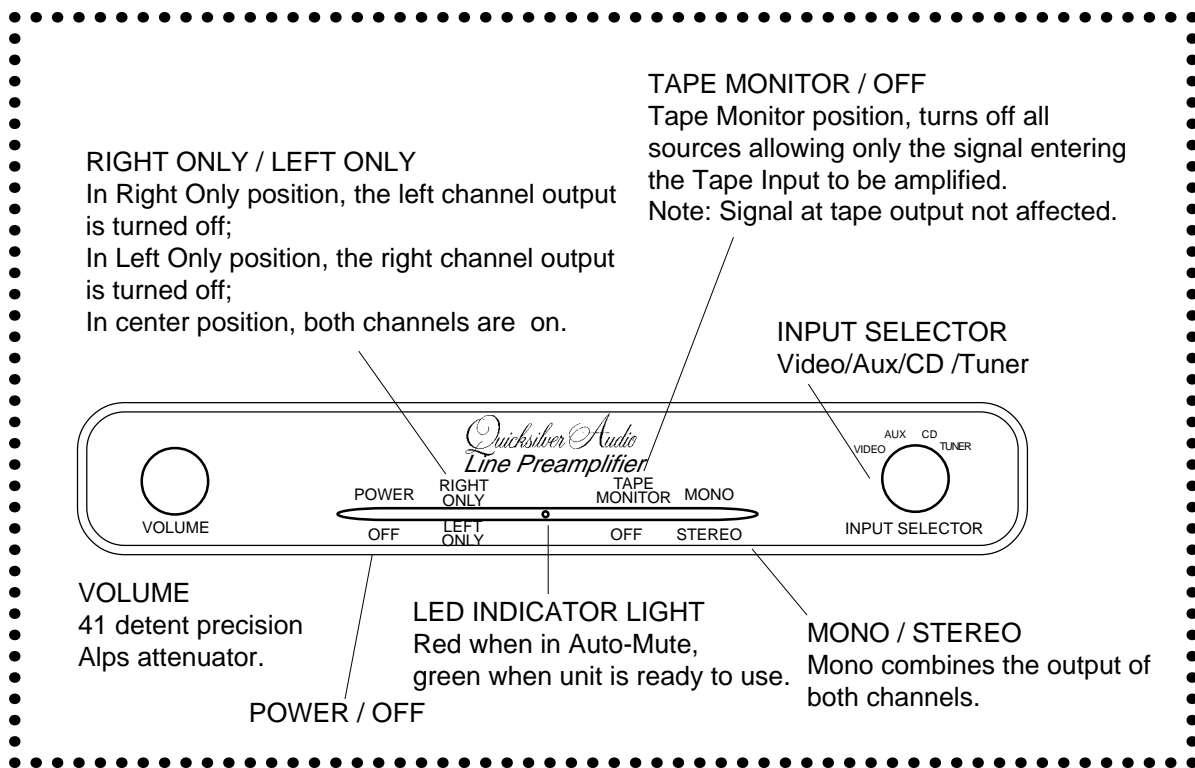
A small amount of hiss from the speakers, in most systems, is normal. If excessive noise is noticed in one channel, with the volume control turned all the way down, then a tube may be noisy. When facing the preamp front panel, the tube for the left channel is on the left side and the tube for the right channel is on the right side. If reversing the tubes causes the noise to go to the other channel, then that tube is the noisy one. If it makes no difference, the noise problem could be another component.

This preamplifier is phase inverting.

Back of Preamp:



Front of Preamp:



LINE STAGE PREAMPLIFIER SPECIFICATIONS

Bandwidth	0.1 Hz to 100 KHz
Gain	18 db \pm 1 db
Input Impedance	100 Kohm, 20 Hz - 20 KHz
Output Impedance	100 ohm, 20 Hz - 20 KHz
Maximum Input	30 volts RMS, 20 Hz - 20 KHz
Maximum Output	60 volts RMS, 20 Hz - 20 KHz
IM Distortion at 2 volts output	less than 0.02%
Tube Complement	2-12AX7
Dimensions Front Panel	3"H, 9 1/2"D, 15"W 3 1/4"H, 17"W
Weight	12 lbs

WARRANTY

Quicksilver Audio warrants your new Line Stage Preamplifier for a period of three years from the date of purchase (90 days on tubes.) Parts and labor are provided free of charge as long as the failure was not caused by misuse, accident or negligence. Shipping to the factory is not included. Retain your packing carton in case the unit needs to be returned for service.

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