

Quicksilver Audio Silver 70 Mono Amplifier

Operating Instructions

Thank you for purchasing the Quicksilver Audio Triode Mono Amplifiers. These amplifiers have been engineered to have a very wide bandwidth, extremely low distortion and superior dynamic range.

The output transformer used in this amplifier is based on the best designs of the past but uses superior new materials to achieve a very high level of performance. The high frequency characteristics of this transformer are so stable that many different output tubes may be used without the need for circuit changes or compensation adjustments.

This is an all tube design and uses no circuit boards or transistors.

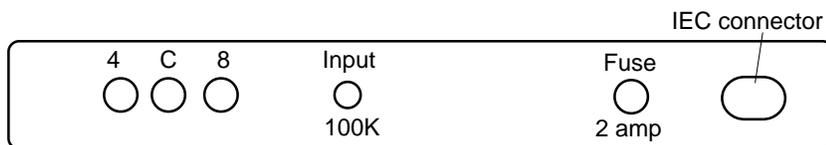
**This device has very high internal voltages. Never operate with the bottom removed!
Never operate your amplifiers with the speakers disconnected.
To prolong the life of your amplifiers, never turn them on and off within a short period of time (45 seconds.)**

PLACEMENT

The Triode Mono Amplifiers should have at least 6 inches of ventilation space on either side and at least 6 inches above them. If this is not possible, then use a fan for cooling.

SPEAKER CONNECTION

5 way binding posts are used for speaker connections because of their convenience. The output transformer wires are silver soldered directly to the binding posts eliminating any output wiring. Placing the amp directly behind the speaker with a very short speaker wire will further improve the performance. The connection to the 4 or 8 ohm tap will be determined by the rating on the back of your speaker system. The C terminal should be connected to the common, ground, or negative terminal of your speaker.



SYSTEM GROUNDING

At least one component of your system should always be grounded. Your Mono Amplifiers come with three pronged grounded AC plugs. In some systems, where the preamp is also grounded, a ground loop may appear as a low level hum. Using an adaptor on the AC plug, to lift the amplifier grounds, will solve this problem.

2 AMP SLO-BLO FUSE

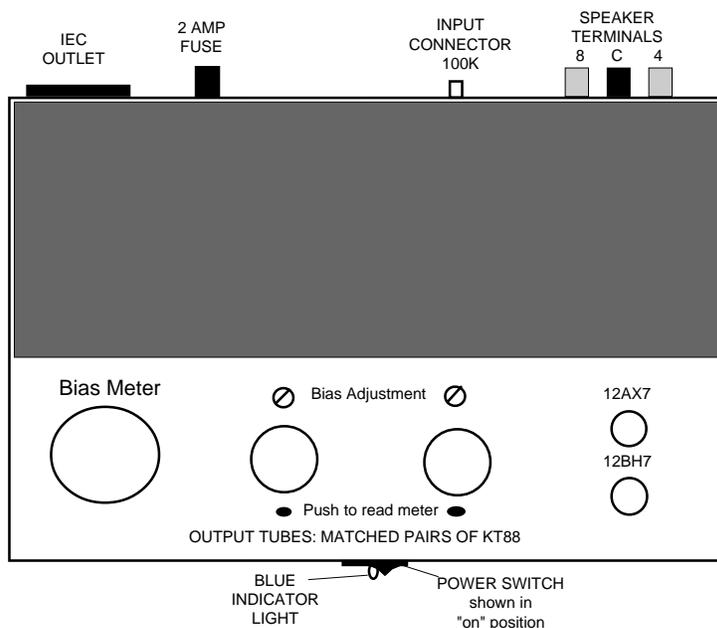
Standard fuse value must not be exceeded. If a fuse blows, replace and turn amp back on. Check the bias on each output tube. If the bias on one tube has changed by a large margin or there is no bias, then that tube is probably bad and should be replaced. If the output tubes appear to be okay, then the cause of the fuse blowing may be due to poor system grounding, unstable preamp, shorted speaker, etc. Interchanging the amps between channels will help localize the problem to either the system or the amplifier.

TUBES

The 12AX7 and 12BH7 input tubes are chosen for their specific performance characteristics and should last several years or many thousands of hours. We can only guarantee the performance of this unit when used with input tubes supplied by Quicksilver.

Each Triode Amplifier is shipped with 2 matched KT88 output tubes. Best performance will result when both tubes are A.C. and D.C. matched. The number on each KT88 box is the matching number for that tube.

Output tubes *will* need to be replaced periodically. When a degradation in sound occurs or the fuse blows repeatedly, it is time for new output tubes. We recommend purchasing tubes from Quicksilver Audio or your dealer, and we recommend keeping an extra output tube on hand in the event that one fails.



**Quicksilver Audio Silver 70 Mono Amplifier
SPECIFICATIONS**

Power Output	70 watts into 4 or 8 ohms from 20 Hz to 20 KHZ
Power Bandwidth	20 Hz to 60 KHz
Input Sensitivity	2.25 volts
Input Impedance	100 K ohms
Gain	18.5 db on 8 ohm tap
Power Consumption	115 watts at idle 250 watts at full power
Dimensions	15" wide x 9 3/4" deep x 6 1/2' high
Finish	Chrome chassis Carbide black transformer cover
Weight	36 lbs., 39 lbs. shipping
Tube Complement	1 - 12AX7, 1 - 12BH7 2 - KT88 output tubes
Warranty	3 years parts and labor Tubes 90 days

WARRANTY

Quicksilver Audio warranties your amplifiers for a period of 3 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 at least one packing carton in case a unit needs to be returned for service.

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