

Quicksilver Audio Silver 60 Mono Amplifier

Operating Instructions

Thank you for purchasing the Quicksilver Audio Silver 60 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.

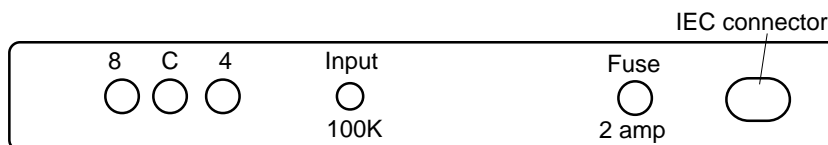
**This device has very high internal voltages. Never operate with the bottom removed!
Never operate your amplifiers with the speakers disconnected.
To prolong the life of your amplifiers, never turn them on and off within a short period of time (45 seconds.)**

PLACEMENT

The Silver 60 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

Screw terminals are used for speaker connection because of their superior sonic performance. The output transformer wires are silver soldered directly to the screw strips 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 1 ohm tap is for special applications only. 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. Visually inspect all 4 output tubes to see if they are all glowing at the same brightness. If one tube is not glowing or is glowing red, that tube is bad. 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.

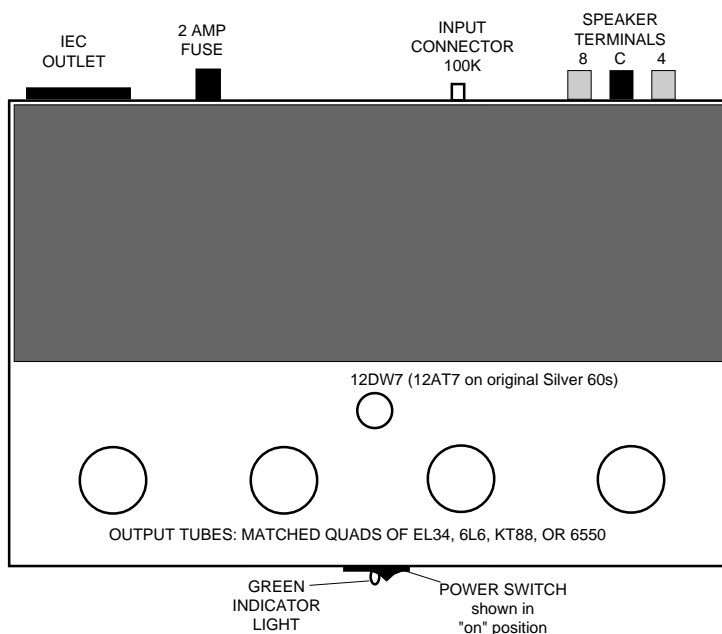
TUBES

All tubes in the Silver 60 are self-biasing and require no adjustments.

The input tube was chosen for its 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 Silver 60 Amplifier is shipped with 4 matched EL34 output tubes. Best performance will result when all 4 tubes are A.C. and D.C. matched. The number on each EL34 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 Sixty Mono Amplifier
SPECIFICATIONS**

Power Output	60 watts into 4 or 8 ohms
Full Power	
Frequency Response	13 Hz to 50 KHz
Input Sensitivity	1.25 volts
Input Impedance	100 K ohms
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 - 12DW7 or 7247 (12AT7 on original Silver 60s) 4 - EL34, KT88, 6L6, or 6550
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.

Quicksilver Audio
5635 Riggins Court, Unit 15
Reno, NV 89502
(775) 825-1514 / Fax 825-1552
www.quicksilveraudio.com