

Quicksilver Audio Full Function Preamplifier

Operating Instructions

Thank you for purchasing the Quicksilver Audio Full Function Preamplifier. This piece of musical equipment has been engineered to have a very wide bandwidth, extremely low distortion and superior dynamic range.

This all-tube preamp has a uniquely low output impedance, allowing it to drive very long interconnect cables and any available amplifier, whether tube or transistor.

The preamp circuitry is non phase-inverting.

This device has very high internal voltages. Never operate with protective grills or base removed. Any attempt at tube replacement must be done with unit disconnected from any AC power source.

In some instances the mute switch may need to be depressed when the preamp is turned on and off. See MUTE section.

PLACEMENT

For adequate ventilation allow at least 4 inches of space above the preamplifier.

SYSTEM GROUNDING

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

MUTE

The safest system turn-on is to always turn the power amplifier ON LAST.

If you choose not to do this then you must depress the mute switch for 60 seconds after turn-on. This is to avoid the appearance of DC voltage at the output of the preamplifier which may damage some amplifiers and speakers.

When Quicksilver amplifiers are used, then the preamp and amps may be turned on at the same time without the use of the mute switch.

Upon turn-off, the preamp automatically mutes.

NOISE

A small amount of hiss from the speakers in most systems is normal. If excessive noise is noticed from the preamp, with the volume controls turned all the way down, then the 12AU7 line input tube may be bad. If the noise disappears when the mute switch is pushed in, this is most likely the cause.

FUSE

Never use larger than a 1.5 amp fast-blo fuse. A fuse can blow for the following reasons:

1. The preamp was switched on sooner than 45 seconds after it was switched off.
2. The 5AR4 rectifier tube at the left rear of the preamp is bad.

TUBES

The tubes and their placement within the preamp were chosen for their specific performance characteristics. We can only guarantee the performance of this unit when used with the curve-traced and matched tubes supplied by Quicksilver.

The tubes should last several years or many thousands of hours. Replacement tubes may be purchased directly from Quicksilver or your dealer.

Due to the unit's high current, Class A design and slow warm-up features we highly recommend that the unit NOT be left on when not in use.

POWER

Illuminated, this indicates power applied. Also energizes 2 outlets on back marked "power switch"

-20dB

Decreases the output 20 db so that volume controls need not be adjusted to reduce the level momentarily

LEFT & RIGHT VOLUME

Dual volume controls were chosen for their sonic superiority

INPUT

Phono, CD, Tuner, Video, Aux



OUTLETS

Illuminated, this energizes 2 outlets on back panel marked "outlet switch". If left in the "ON" position, the main power switch will control these outlets and switch

MODE

Mono- Both channels are combined
Stereo Reverse- L input to R output; R input to L output
Left- Feeds L channel signal to both channels
Right- Feeds R channel signal to both channels

TAPE OUT

This switch, when moved to the OFF position, turns off the tape output.
NOTE: This switch should be left in the OFF position unless a signal is needed for recording purposes.

TAPE MON

This switch, when moved to the IN position, turns off all sources, allowing only the signal entering the TAPE INPUT to be amplified. NOTE: This switch does not affect the signal at the tape output.

MUTE

Disconnects the preamp from the amplifier and grounds the input of the amplifier

**Quicksilver Audio Full Function Preamplicifier
SPECIFICATIONS**

LINE STAGE:

Bandwidth = 1Hz to 650KHz
Gain = 27 db
Input Impedance = 100K Ω -
20Hz to 20KHz
Output Impedance = 12.5 Ω
Maximum Input = 30volts RMS,
20Hz to 20KHz
Maximum Output = 65volts RMS,
20Hz to 20KHz
Tube Complement = 1-12AX7, 1-12AU7,
1-12FQ7

PHONO STAGE

Bandwidth = 20 Hz to 20KHz
Gain = 39 db at 1 KHz
Maximum Input = 500mv
Tube Complement = 1 -12AX7, 1 -12FQ7

POWER SUPPLY:

Storage = 122 joules
Output Voltage = 400 and 620 volts
Tube Complement = 1 -5AR4

Dimensions: Chassis 17"x11",
Front panel 19" x 5.25"
Weight: 21 pounds

WARRANTY

Quicksilver Audio warranties your preamplifier 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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