

System 600T

Acoustic Preamp / EQ

Owner's Guide



Alvarez

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Congratulations!

You have chosen the finest acoustic Preamp/Eq System available.

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The Alvarez System 600T Preamp/Eq is designed to offer the finest acoustic guitar tone reproduction available. The System 600T provides a broad range of sonic control, mixing capability for different combinations of piezo/magnetic/microphone transducers, and features on-board digital chromatic tuner. We recommend that you take a few minutes to read this manual in order to familiarize yourself with the many advanced features and capabilities of the System 600T.

This guitar is equipped with a piezo pickup mounted under the bridge saddle. This pickup is connected to the PIEZO input of the System 600T, and the guitar will perform perfectly with this pickup/preamp combination. The System 600T is capable of mixing an additional internal microphone or sound hole pickup with the piezo pickup for a wider range of sonic possibilities. Some features of the System 600T will only operate when an additional pickup/microphone is used.

Internal Chassis Controls / Connections

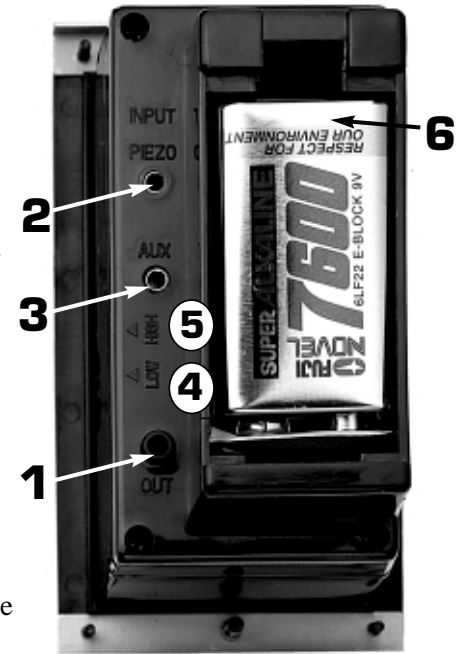
With the chassis removed from the mounting ring, you will notice connections on the rear panel, next to the battery compartment. The connection marked **(1) OUTPUT** is for the signal being sent to the output jack. There are two **INPUT** jacks, labeled **(2) PIEZO** and **(3) AUX**. The PIEZO input should already be connected to the under-saddle bridge pickup. The AUX input is included for use with an additional sound hole pickup, or internal microphone. A magnetic sound hole pickup, or a miniature dynamic microphone may be connected to this INPUT jack. An internal condenser microphone will also work, but the System 600T does NOT supply phantom power. A separate “in-line” battery must be used to power a condenser microphone.

On the side of the chassis are two trim pots, labeled **(4) LOW** and **(5) HIGH**. These trim pots are used to adjust the gain of the BASS and TREBLE sliders on the front panel. These adjustments are used to “fine tune” the System 600T to the sonic characteristics of the particular guitar being used.

(6) BATTERY COMPARTMENT

The System 600T is powered by a 9 Volt battery mounted in the bottom of the control chassis. Access the battery compartment by removing the two front panel thumb screws and lifting the chassis from the mounting ring.

Refer to the front panel diagram on the next page to familiarize yourself with the various control functions of the Alvarez System 600T.



Digital Tuner



The System 600T features a built-in chromatic digital tuner. The tuning function can be accessed at any time, whether the guitar is plugged in, or not. To engage the tuner, press the TUNER ON/OFF switch located between the MID FREQ and MASTER control knobs. A sequence of note indicator LED's will light, indicating that the tuner is functional. Plucking a string will result in a note indicator LED lighting to represent the nearest pitch. Above the note indicator LED's are a center (Green) and left and right (Red) LED's. When the note is flat relative to the indicated pitch, the left (Red) LED will blink. If the note is sharp, the right (Red) LED will blink. When the correct pitch is achieved, the center (Green) LED will light. Repeat this procedure for all strings. Pressing the TUNER ON/OFF switch will disengage the tuner function. To prevent unwanted battery consumption, an automatic "shut-off" feature will turn the tuner off after 3 minutes of use.

Note: When the guitar is connected to an amplifier, mixer, or PA system, engaging the tuner will mute the output for silent tuning during performance.

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Specifications

Input Impedance:	2.2 M Ohm
Output Impedance:	1k Ohm
Frequency Response:	40Hz-15kHz, +/- 2 dB w/ Eq at center position
S/N Ratio:	Greater than -90 dB
Amplification:	
Piezo Input:	+8dB
Aux Input:	+20 dB (Level switch IN) +37 dB (Level switch OUT)
Distortion:	0.05%
Power Consumption:	2.2mA (Tuner OFF) 8.5mA - 12.5mA (Tuner ON)
Power Supply:	9V
Controls:	Master Volume Piezo Gain Aux Gain Treble: +/- 15dB @ 10kHz Mid: +/- 15dB Mid Freq: 600Hz - 1.2kHz, Variable Bass: +/- 15dB @ 100Hz Notch Freq: 45 Hz - 2.2kHz, Variable (Q: 12.5 @ 1kHz, 10 @ 300Hz)
Internal Trim Pots:	High: +/- 5dB @ 10kHz Low: +/- 5dB @ 100Hz
Switches:	Tuner ON/OFF (Auto Power OFF in 3 minutes) Notch IN/OUT Aux Level IN/OUT Piezo Phase IN/OUT
Connections:	Piezo Input - 2.5mm Phone Aux Input - 2.5mm Phone Output - 2.5mm Phone
Dimensions:	106mm H x 58mm W
Weight:	170g w/ battery