

Balancing the STT-1 tube preamp

CAUTION HIGH VOLTAGE
This should only be done by trained personnel

When replacing V1 (12AX7) in the STT-1, you must make an adjustment to the unit.

1. Let unit warm up for 20 minutes.
2. Turn the Vacuum Tube Gain pot full counter clockwise.
3. Place a DC volt meter from R85 to R88 (the ends of the resistors that are closest to the front of the unit.)
4. Adjust VR4 (near V1) to achieve minimum voltage. Should be near .05 volts or less.
5. Turn the Vacuum Tube Gain pot to full clockwise. The voltage may change. Let it sit at full gain for 10 seconds or so and then turn back to minimum gain and using R4, null the voltage between R85 and R88.

Do this a few times and when it is balanced there should be not much change from low to full gain.

