



Tube Preamp Kit with a Phono amp

TU-8550 : With tubes
TU-8550N : Without tubes

TU-8550, ELEKIT's new tube preamp kit with a built-in phono equalizer, configured with tubes, 12AU7 and 12AX7, for all signal stages.



Combination with TU-8900

■ A CR type RIAA equalizer circuit for straight-forward and smooth sound quality

■ Quadral volume for the flat amp diminishes residual noise upon low volume

High gain is required for a preamp when the level of a sound source is low or when the input sensitivity of a power amp is low. On the other hand, high gain of a preamp brings about a problem of residual noise at a small sound volume. VOLUME-GAIN locking system, where the gain decreases as the sound volume is lowered down (approx. 1.4 times) and increases when a volume is highered (approx. 7 times) puts this residual noise problem to rest and diminishes the noise at low level even when the sound volume is low.

■ Thorough elimination of hum noise

In the power sections, for rectification, fast-recovery diodes are adopted for B-power, and a slow-start by MOSFET is adopted for stabilized power supply. In addition, for A-power (heater power), all tubes are DC-powered by a LDO regulator to eliminate hum noise thoroughly.

■ REC-OUT built-in

Signals selected by the selector are output from REC-OUT which users may use when connecting TU-8550 to a recording device or using the signals output from the equalizer amp of TU-8550 in other amplifier device.

■ 2 lines of PRE-OUT

You can connect up to 2 power amps to TU-8550.

■ Ample space for a larger coupling capacitor exchange

Maximum size of a capacitor : 20mm(diameter) x 57mm(length)

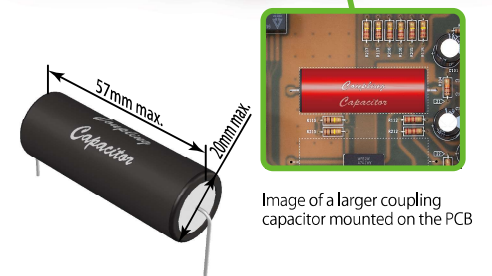
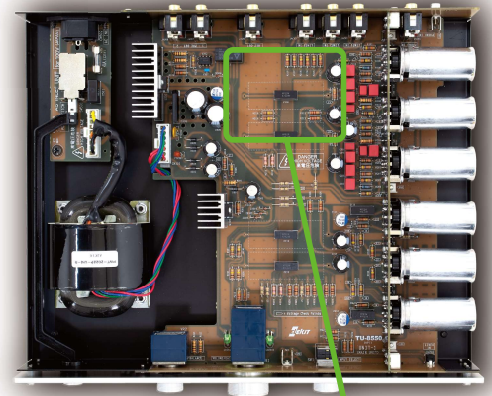


Image of a larger coupling capacitor mounted on the PCB

TU-8550 Specifications

Equalizer amp stage

[Input resistance] : 47kΩ (MM cartridge)
[RIAA equalization] : Within +0.5dB (20Hz - 20kHz)
[Max.output voltage] : 20V rms (1kHz)
[Gain (1kHz)] : 29dB
[SN ratio (IHF-A)] : 112dB

Flat amp stage

[Max.output voltage] : 20V rms (1kHz)
[Max.gain] : Approx.17dB(approx.7 times)
[Frequency response] : 5Hz- 200kHz (-3dB)
[Residual noise(IHF-A)] : 15μV (Sound level at the max.)
6.5μV (Sound level at the middle)
[SN ratio (IHF-A)] : 130dB (Sound level at the cente)
126dB (Sound level at the max.)

Overall

[Stock tubes] : 12AX7×4, 12AU7×2
[Flat amp stage] : 12AX7 × 2, 12AU7 × 1
[Phono EQ amp stage] : 12AX7 × 2, 12AU7 × 1
[Input/output terminals] : PHONO-IN : RCA jack / MM cartridge
LINE-IN : 4 lines [LINE1,2,3 : RCA jack
LINE4 : 3.5mm mini jack (front)
PRE OUT : RCA jack 2 lines (parallel output)
REC OUT : RCA jack 1 line
[Power voltage] : AC100V, 50/60Hz EC standard 3P inlet
[Rated power consumption] : 23W
[Dimensions] : W352 x H66 x D298 mm (excl. projections)
[Weight] : Approx.3.9kg (Assembled, excl. wires)

- The specifications of the product are subject to change without prior notice.
- The color of the product in this document may look different from the actual product.

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