

General: The SE1 two channel transcription preamplifier is designed for use with magnetic reproducers in professional application of recording, film studios, television and broadcast stations. It is a high gain, low noise level preamplifier designed to operate into a 600 ohm buss at +4 or +8 DBM and equalized for magnetic reproducers. The power output capabilities are such that when operating at a +4 dbm level, there is more than a 12 db power reserve for instantaneous peaks. (The harmonic distortion at 1000 cps is less than 1% at +18 dbm). Clipping starts at approximately +20 dbm.

SPECIFICATIONS

Gain: .0012 volt input produces a minimum output of +4 dbm.

Frequency Response: +1 db from 30 to 15,000 cps within specified characteristic, ie, RIAA, or Flat.

Trimmer controls are provided for both low and high frequency adjustment. These controls are located at about the center of the chassis.

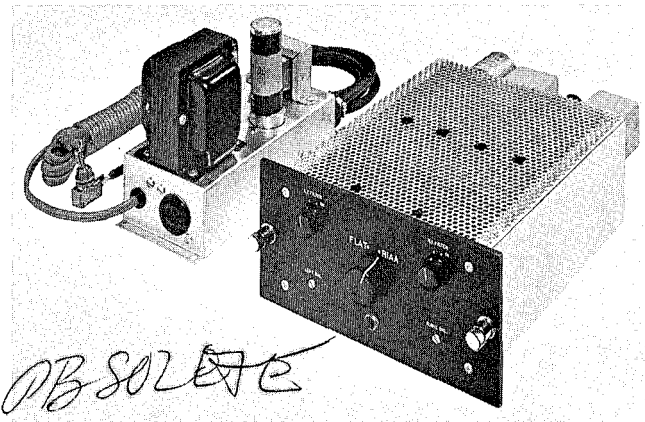
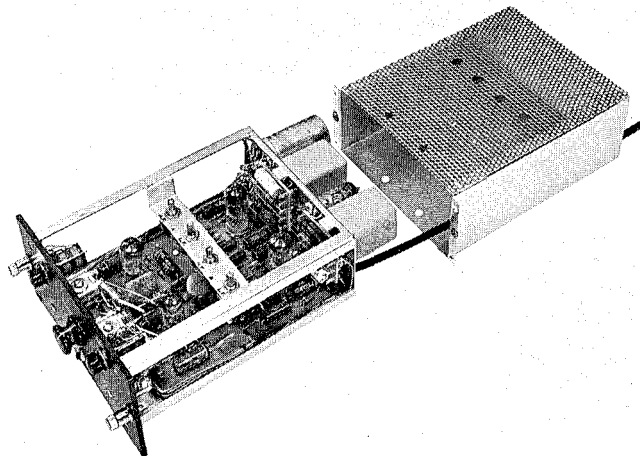
Separate H. F. trimmers are also provided for adjustment of the RIAA response characteristic. These controls are located immediately behind the front panel.

A rumble filter switch (45 CPS Hi Pass) is designated on the front panel as "LF Filter on". A high frequency filter switch (7 KC lo pass) is designated on the front panel as "HF filter on".

Output: The output is furnished at 600 ohms or 150 ohms depending on customer requirement. (A change to either impedance can be accomplished by re-wiring the transformer output connections). The preamplifier normally is designed to operate at a buss level of +4 dbm which is most common in professional applications.

Distortion: The harmonic distortion from 50 to 10,000 cps is under 1% at +15 dbm.

Hum & Noise: The noise level is 64 db below +4 dbm output with the gain adjusted for an input level of 4.5 millivolts. (Shure M-21 cartridge, 5 cm/sec at 1000 cps).



Input Impedance: 47,000 ohms.

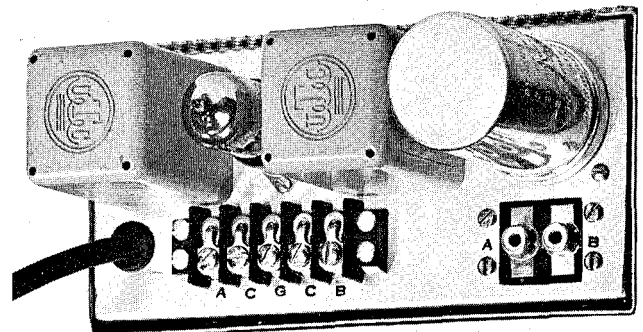
Balance Adjustment: Two level adjustment controls (Left and Right Balance) are provided on the front panel.

Channel Separation: Better than 37 db at 10,000 cps in RIAA position.

Tubes: 4—ECC83 (7025); 1—12AY7; 1—12X4 Rectifier.

Mechanical: The Equalizer requires an opening of 7 inches in length and 3 3/8 inches in height and must have a minimum of 11 inches clearance behind the front panel. The power supply can be conveniently located within the limitation of a 2 1/2 foot cable and requires minimum mounting dimensions of 3 1/2 inches wide and 6 inches high by 11 inches long. The "ON-OFF" switch is attached to the power supply plug with a cable 3 1/2 feet long and is suitable for mounting through a standard 1/2 inch panel mounting hole.

Guarantee: The SE-1 Stereo Transcription Preamplifier is guaranteed to be free from electrical and mechanical defects for a period of one year on components and 90 days on vacuum tubes from date of shipment from the factory, provided all instructions are complied with fully. In case of damage, it is essential that you carefully repack the unit and return it to the factory for repair. Our guarantee is voided if the basic unit has been subjected to unreasonably rough handling or abuse.



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