

LK48

H. H. SCOTT, INC.
111 Powder Mill Road
Maynard, Mass.

SERVICE BULLETIN
For
MODEL LK-48 STEREO AMPLIFIER

SPECIFICATIONS

Maximum power output each channel at 1000 cycles:	Music waveforms...	24 watts
	Steady state.....	20 watts
Maximum total harmonic distortion at rated output.....		0.8%
Frequency response for 20 watts steady state at less than 1.5% total distortion.....		20 to 20,000 cycles *
Maximum usable power output at 20 cycles:	Music waveforms...	28 watts
	Steady state.....	24 watts
Power bandwidth at rated distortion (IHFM method).....		below 19 cycles to * above 20,000 cycles (limits of test equip)
Intermodulation distortion.....		below 0.5%
Signal for rated output -- NAB (NARTB) tape at 1 kc.....		3.0 mv.
Signal for rated output -- RIAA equalization at 1 kc.....		3.0 mv. (MAG LOW)
Signal for rated output -- RIAA equalization at 1 kc.....		9.0 mv. (MAG HIGH)
Signal for rated output -- Tuner, Extra, and Playback.....		0.50 volts
Hum and noise -- high level inputs.....		80 db. below rated power
Hum and noise -- low level inputs.....		10 microvolts equiva- lent
Scratch filter.....		Above 5 kc.
Treble boost and Treble cut (at 10 kc.).....		15 db. $\pm$ 2 db.
Bass boost and cut (at 50 cycles).....		15 db. $\pm$ 2 db.

(These characteristics are measured at a line voltage of 117 volts rms and line frequency of 60 cycles per second. No significant changes of characteristics should be experienced for normal variations of line voltages or a line frequency of 50 cycles per second).

Input impedance -- low level inputs (MAG LOW).....	47 k. ohms
Input impedance -- low level inputs (MAG HIGH).....	150 k. ohms
Input impedance -- high level inputs.....	500 k. ohms
Minimum recommended load resistance on tape outputs.....	200 k. ohms
Maximum recommended cable capacitance on tape outputs.....	200 mmfds.
Range of line voltage and frequency.....	105-125 volts, 50-60 cycles
Power consumption -- 117 volts at 60 cps (A.C. only)	170 watts

* All H. H. Scott amplifiers and preamplifiers incorporate a low frequency rolloff which becomes fully operative below 20 cycles. This is designed to prevent overload of the output stage and the loudspeaker due to subsonic rumble frequencies and record eccentricity. This means that the full power of the amplifier can be concentrated into the audible range.

