

50 W2

MONAURAL POWER AMPLIFIER

McIntosh

The Compendium



CONTROLS AND CONNECTORS: Gray hammer tone finish. Speaker output barrier strip. Octal output socket powers **McIntosh AE 2, C 104, C 108, C 4, or C 8**, preamps.

SPECIFICATIONS: 50w. Response 20-20kHz (+0.1 -0.1dB) Distortion 0.1%. Noise & hum 90dB. Damping factor 10. Output impedance 4, 8, 16, 32 and 600 ohms. Input impedance 100k. Input sensitivity 0.5v. Interstage parts under chassis.

TUBES: 2-6L6G/1614 output, 2-12AX7, 2-6J5, 2-5U4.

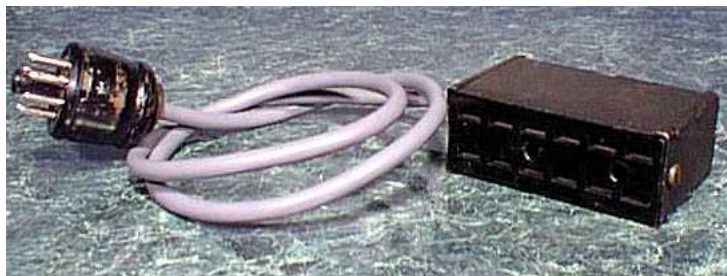


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P 50-1 – Power supply for **50 W2**

THE McIntosh 50 watt AMPLIFIER
with 99⁶⁰/₁₀₀% perfect amplification

50 W-2 SPECIFICATIONS

POWER OUTPUT: 50 watts continuous; 100 watts instantaneous peak; 90 watts intermittent; 180 watts instantaneous peak; intermittent middle frequencies. HARMONIC DISTORTION: less than 1% from 20 to 20,000 cycles for full output. INTERMODULATION DISTORTION: less than 1% from 20 to 20,000 cycles for full 50 watts output. EFFICIENCY: final stage 60% at 50 watts, 76% at 90 watts (see curves). NOISE LEVEL: 90 db below full output, 70 db when pre-amp used. GAIN: Basic amplifier 40 db, 70 db with pre-amp, 90 db with transformer. FREQUENCY RANGE: 20 to 20,000 cycles ± 1 db; 10 to 100,000 ± 3 db (see curves). INPUT IMPEDANCE: 100,000 ohms; with transformer 50, 250, 600 or 20,000 ohms. OUTPUT IMPEDANCE: 4, 8, 16, 32 and 600 ohms. DAMPING FACTOR: 10 or better. TUBE COMPLEMENT: Rectifier 2-5U4G, Amplifier 1-12AX7, 2-6J5, 2-6L6G or 5881. DIMENSIONS: two units, power supply and amplifier, each 8 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x5 $\frac{1}{2}$ ". WEIGHT: 55 lbs. Also available are portable covers and wall mounting brackets. POWER CONSUMPTION: 185 watts at 50 watts; 120 watts zero signal. Uses grain oriented cores to minimize low level distortion and save weight. Transformers are potted for long life.

PLUG-IN PRE-AMP: Provides additional amplifier gain

PLUG-IN INPUT TRANSFORMER: To match or bridge low impedance input lines. Used with pre-amp above.

(above units are available as accessories).

50W-2

For those satisfied with nothing but the ultimate in high fidelity, it's the McIntosh 50 watt amplifier—unsurpassed for performance and quality.

This unique instrument sets a standard of excellence in amplification, for it has reached the theoretical limit of quality and efficiency. The McIntosh 50 W-2 amplifier, with patented circuit, is the only power amplifier which will produce 50 watts of power at less than 1% harmonic or intermodulation distortion from 20 to 20,000 cycles per second. This measurement insures the complete absence of discordant tones, and provides the purest and most nearly perfect amplification available. There is no increase in distortion even when its extra power is demanded by program material. Since nothing is added to or taken from the input signal, clean, unparalleled reproduction of sound results, bringing out an exquisite realism at low, as well as high, volume levels . . . clear lucid highs, with no peaking; natural, full bass with no booming; thrilling middle range, all there with the McIntosh.

In reproducing music or speech with complete realism, the exceptional reserve power capacity of the 50 W-2 is called upon, for many short intervals per second, even at moderate volume, to re-create faithfully and accurately all the fundamentals, harmonics and overtones present in natural sounds.

Professional users, whose standards of sound are critical, such as leading musicians, record manufacturers, as well as many distinguished installations in homes demanding the finest, acclaim the superiority of the McIntosh 50 W-2. The performance graph shown below, to which every unit is tested, is your guarantee of freedom from listening fatigue—of more listening pleasure, of full dynamic range and of complete realism in reproduced music.

50 W2 - Sold from January 1951 - August 1955. S/N: 850-3,918 (3,068 UNITS)
Size 6-3/4"H, 8-1/8"W and 5-1/4"D. Shipping weight 59-1/2 lb. **\$249.50**