

Stereophonic Dual Amplifier-Preamplifier HF81

Kit \$69.95

Wired \$109.95

Includes Metal Cover



"Excellent"—SATURDAY REVIEW; HI-FI MUSIC AT HOME

"Outstanding quality...extremely versatile"—
ELECTRONICS WORLD LAB TESTED

"A good buy"—MODERN HI-FI

"Solid, well-designed unit"—POPULAR ELECTRONICS

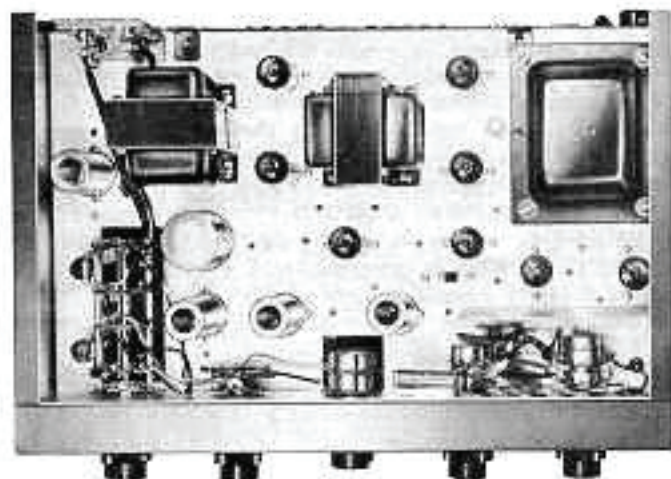
"A good value on its own merits, a better one when price is considered"—Hirsch-Houck Labs (HIGH FIDELITY MAGAZINE)

A complete stereophonic control center and two identical Williamson type push-pull EL84 power amplifiers with high quality output transformers all on one chassis. With it you can select, preamplify, and control any stereophonic source (tape, discs, broadcasts) and feed it through the self-contained 14-watt amplifiers to a pair of speaker systems. Separate low level inputs are provided in each channel for magnetic phono, tape head, and microphone, high level inputs for AM tuner, FM tuner, and FM-Multiplex. Also two auxiliary A, and two auxiliary B inputs. Panel controls include an input selector switch; an extremely versatile function selector with positions for listening to each channel separately (for checking purposes),

stereo normal, stereo reverse, monophonic record playing with stereo cartridge (mixes the two channels for cancellation of vertical rumble), monophonic tuner (channels unmixed so that no extraneous noise from the unused input is introduced); ganged level controls; separate focus (balance) control; independent, full-range low distortion variable crossover feedback type bass and treble tone controls in each channel. The HF81 can also convert a mono system to stereo: To incorporate your present amplifier into a stereophonic system, a service selector switch on the chassis permits you to drive both internal power amplifiers from one preamplifier control section, while the other drives your present amplifier. The HF81 can also be used in monaural applications, the 14 watts available for each channel adding up to 28 watts for your speaker system.

SPECIFICATIONS: Output Power: 28 watts (two 14 watt channels) continuous; 56 watts peak. IM Distortion (60 & 6000 cps at 4:1): 2% at 28 watts, (14 watts each channel); 0.5% at 10 watts, (5 watts each channel). Frequency Response: 2W (1W each channel) ± 0.5 db 10 c to 100 kc. Harmonic Distortion: 16W (8W each channel) less than 1% from 30 c to 10 kc; 20W (10W each channel) less than 1% from 40 c to 10 kc; 28W (14W each channel) less than 1% from 50 c to 5 kc; *Sensitivity (input for 14W): mag. phono-4 mv; tape head-2 mv; Mic.-6 mv; tuners, auxiliaries-0.5 V. *Hum and Noise Level (below 14W): mag. phono-60 db; tape head-51 db; mic-57 db; tuners, auxiliaries-75 db. *Tone Control Range: ± 15 db at 50 c and 10 kc. *Speaker Connections: 4, 8, 16, and 32 ohms. Tubes: 4-ECC83/12AX7, 2-ECC82/12AU7, 4-EL84, 2-EZ81. Size: 15" wide, 4 $\frac{3}{4}$ " high, 10 $\frac{1}{2}$ " deep. Weight :24 lbs. *each channel

Shown in Furniture Wood Enclosure WE-71:
Unfinished Birch \$9.95; Walnut \$13.95



Top view of open chassis of the HF81, showing intelligent spacious, horizontal layout; trouble-free point-to-point wiring and thoughtful careful separation of component parts to avoid objectionable interaction.