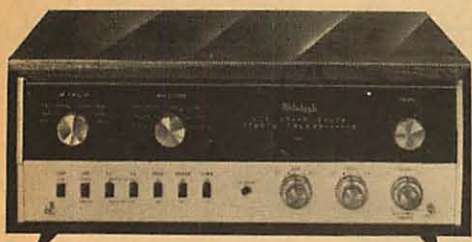


McIntosh Stereo, Hi-Fi Equipment



MR71



C24



MI-3



MX110

MODEL MR67 STEREO FM TUNER

Highly sensitive, precision engineered FM multiplex tuner features built-in Multipath Indicator. Panloc professional installation method. Similar in appearance to MR71. Cascode amplifier handles wide range with excellent signal-to-noise ratio, minimum spurious signals. Self-matrixing multiplex decoder operates without critical adjustments. Multiplex indicator light activated by 19 kc carrier; will not light on noise or interference. Smooth, quiet tuning with direct-driven tuning capacitor. **Sensitivity:** Better than 2.5 μ V at 100% modulation for less than 3% total noise and distortion. **Frequency Response:** = 0.5 db, 20-20,000 cps. **Distortion:** Less than 0.5% at 100% modulation. **Muting:** At least 60 db quieting between stations. **Image Rejection:** Better than 60 db. **Hum:** Better than 70 db below 100% modulation. **Drift:** Less than 25 kc. **Output:** 2.5 V. **Tubes:** 13, plus one transistor, nine diodes, two selenium rectifiers. **Power Consumption:** 50 watts, 105-125 VAC, 50-60 cps. **Size:** 16" w. x 13" d. x 5 1/4" h. Shipping Weight, 33 lbs. **\$299.00**

McIntosh Model MR67—Less cabinet*. Net Each. . . .

MODEL C22 STEREO PREAMPLIFIER

Stereo control center combines excellence in performance with operating ease. Consists of three amplifier sections for each channel, with common power supply. Input preamplifier section uses low noise tubes, proper shielding for negligible hum. Second amplifier prevents overloading of high level input circuits, includes switch-type bass and treble controls with 4 db change per step. Cathode follower amplifier includes rumble and high frequency filters with cutoff of 18 db per octave. Panloc installation technique for installation in furniture cabinets, relay racks or custom systems. Jacks provided for external tape recorder. Output level controls for simple balance of entire amplifier-speaker system. **Sensitivity:** Tuner, tape, aux, 0.25 V; microphone, 2.5 mV; phono, 2 mV; tape head, 2 mV. **Frequency Response:** = 0.5 db, 20-20,000 cps. **Distortion:** Less than 0.2% at 10 V output; .02% at 3 V. **Noise:** 85 db below rated output. **Output:** 2.5 V; tape, 0.25 V. **Compensator:** RIAA or LP record equalization. **Size:** 16" w. x 13" d. x 5 1/4" h. front panel clearance, 1 1/4" including knobs. Shipping Weight, 26 lbs. **\$279.00**

McIntosh Model C22—Less cabinet*. Net Each. . . .

MODEL MR71 STEREO FM TUNER

Computer-designed noise filter, automatic stereo-mono switching, d'Arsonval meter movements, multipath indicator and doubled-tuned input circuits provide unmatched stereo reception. Filter holds subcarrier noise to absolute minimum; stereo-mono switching is clickless and completely electronic. No zero adjustment with highly sensitive meters; easy antenna adjustment with multipath indicator. Reduced spurious response with double-tuned circuitry before the first RF amplifier. Panloc custom mounting. **Sensitivity:** Better than 2.5 μ V at 100% modulation and less than 3% total noise and distortion, IHFM standards. **Frequency Response:** = 0.5 db, 20-20,000 cps including 75 μ sec de-emphasis. **Distortion:** Less than 0.5% at 100% modulation = 75 kc deviation. **Capture Ratio:** 1.5 db at 100% modulation. **Rejection, Muting and Hum:** Rejection better than 80 db at 90 Mc; better than 70 db at 105 Mc. At least 60 db quieting between stations. Hum better than 70 db below 100% modulation. **Output:** 2.5 volts, low-source impedance. **Inputs:** 300 ohms balanced; 75 ohms unbalanced. **Controls:** Two d'Arsonval meters for Signal Strength and Tuning; Multipath Reception Indicator; MPX Stereo Indicator Light; Volume; Mode (Stereo Auto, Mono, Off); AFC (min.-max.); Muting In/Out. **Components:** 15 tubes, 14 semi-conductors; one 1847 lamp. **Power Required:** 70 watts, 105-125 VAC, 50-60 cps. **Size:** 16" w. x 13" d. x 5 1/4" h.; front panel clearance, 1 1/4" including knobs. Shpg. Wt., 34 lbs. **\$399.00**

McIntosh Model MR71—Less cabinet*. Net Each. . . .

MODEL C24 SOLID-STATE STEREO PREAMPLIFIER

Finest performance and reliability for all music systems; 99.9% perfect distortion-free reproduction. Employs silicon planar transistors in sophisticated circuitry for superior performance. Tested and guaranteed to meet specifications as stated. Amazing dynamic range will not clip or distort music from high output phonos; takes 10 to 200 mV without overload. Panloc custom mounting. **Frequency Response:** = 0-0.5 db, 20-20,000 cps. **Distortion:** Less than 0.1% at 2.5 volts, 0.3% at 10 volts, 20-20,000 cps. **Noise:** 110 db below rated output, high level input with volume at minimum, 75 db, volume at max.; 60 db below rated output, low level or less than 4 μ V at input terminals. **Inputs:** Aux, tape, tuner and tape monitor, .20 volt, 250K for 2.5 volts output; phono 1 and 2, 2 mV, 47K; tape head, 2 mV, 1 megohm. **Controls:** Bass; Treble; RIAA/LP Equalization; Tape Normal/Monitor; LF Filter; HF Filter; Normal/Reverse Phase; On/Off Speaker; Low Imped. Headphone Jack; Input Selector (Aux, Tape, Tuner, Phono 1, Phono 2, Tape Head); Mode Selector (R to L and R, L to L and R, Stereo Rev., Stereo, Mono L and R, L and R to L, L and R to R); Loudness Contour Balance; Volume; Power On-Off. **Transistors:** 10-Q103, 7-Q101 and 1-Q102. **Power Required:** 8 watts, 105-125 VAC, 60 cps. **Size:** 16" w. x 11" d. x 5 1/4" h.; front panel clearance, 1 1/4" including knobs. Shipping Weight, 25 lbs. **\$249.00**

McIntosh Model C24—Less cabinet*. Net Each. . . .

MODEL MI-3 MAX. PERFORMANCE INDICATOR

Five laboratory instruments combined in one compact system to permit obtaining professional performance for FM listening. Accurate oscilloscope displays multipath reception to adjust antenna for best performance; gives minimum noise level, distortion and best stereo separation. Shows relative signal strength for finest tuning; corrects to exact center of channel for perfect stereo. Displays left-to-right balance for your system; shows system phase for smooth natural sound. **Features:** Solid state audio gain stages; conservatively rated power transformer; multipath level controls; audio level controls; Panloc custom mounting. **Sensitivity:** 0.37 V/cm, vertical signal strength and left gain inputs; 0.27 V/cm, horizontal deviation and right gain inputs. **Tubes:** 8 plus 3" (3RP1) CRT; 6 selenium rectifiers. **Size:** 15 1/2" w. x 11 1/2" d. (behind panel) x 5 1/4" h.; front panel clearance, 1" including knobs. Shipping Weight, 27 lbs. **\$249.00**

McIntosh Model MI-3—Less cabinet*. Net Each. . . .

MODEL MX110 STEREO FM TUNER/PREAMPLIFIER

Combination of an extremely low-distortion preamplifier with a highly sensitive FM multiplex stereo tuner. **Features:** Inter-station noise suppression; tuning indicator; FM multiplex indicator; separate bass and treble controls for each channel; electronic phase switch. Choice of six different program sources. Mode selector for easy balancing of stereo systems; adds left to right for monophonic; controls left to right stereo perspective. Special loudness adjustment of phono and aux channels is accessible by releasing the Panloc (panel lock) buttons, permitting panel and chassis to be pulled out of case to stop position. Mounting slide for Panloc feature provided; permits professional type installation in custom cabinetry, either vertical or horizontal placement. Highly stable circuitry eliminates need for AFC. Two-position tape monitor for instant comparison of tape before and after recording. Smooth flywheel tuning, accurate without backlash. Automatic, transistorized stereo indicator. Handsome, anodized gold and black front panel. **Sensitivity:** Better than 2.5 μ V at 100% modulation. **Hum:** Better than 70 db below 100% modulation. **Drift:** Less than 25 kc. **Frequency Response:** = 1 db, 20-20,000 cps, including 75 μ sec de-emphasis. **Distortion:** Less than 0.6% at 100% modulation, = 75 kc deviation above 2.5 μ V at antenna. **Muting:** IF injected. **MX Channel Separation:** Better than 30 db at 1 kc. **Inputs:** Aux; Mag. Phono; Mag. or Crystal Phono; Tape Head; Tape Monitor, each channel. **Outputs:** Main Stereo; Tape Stereo; combined L+R center channel monophonic; two switched and one unswitched AC outlets. **Power:** 75 watts; 105-125 VAC, 50/60 cps; fused. **Size:** 16" w. x 13" d. x 5 1/4" h.; knob clearance 1 1/4", chassis and panel. Shipping Weight, 36 lbs. **\$399.00**

McIntosh Model MX110—Less cabinet*. Net Each. . . .

*CABINETS

McIntosh Model L10W (Walnut) or L10WO (Oiled Walnut) Cabinet—For Panloc Instruments, C11, C20 (Serial #6L001 up), C22, C24, MI-2, MI-3, MR65, MR65A, MR65B, MR66, MR67, MR71 and MX110 (Serial No. with "M" and "X"). Shipping Weight, 8 1/2 lbs. Net Each. . . . **\$25.00**

McIntosh Model L11WV (Walnut) or L12WVO (Oiled Walnut) Cabinet—Same, but ventilated for all Panloc mounting models plus MA230. Shipping Weight, 10 lbs. Net Each. . . . **\$29.00**

McIntosh Stereo, Hi-Fi Amplifiers

MODEL MA230 DUAL 30-WATT STEREO PREAMP-AMPLIFIER

Two-channel stereo/monophonic panel control amplifier delivers continuous 30 watts per channel with both channels operating simultaneously; or, in single-channel monophonic operation, 60 watts. Versatile unit has transistorized preamplifier section with inputs and controls for almost any music source, plus provision for two stereo headsets on front panel. Stereo tapes may be made off the air, using the tape output connections. **Frequency Response:** +0, -0.5 db, 20-20,000 cps; +0, -3 db, 15-70,000 cps at full rated power. **Noise Level:** -75 db, high level inputs; -60 db, low level inputs; less than 4.0 μ V at terminals. **Harmonic Distortion:** Less than 0.5% at full power output at all frequencies from 20-20,000 cps. **IM Distortion:** Less than 0.5% at twice the instantaneous full-rated power output. **Damping Factor:** 10; Internal impedance less than 10% of rated load. **Power Amplifier Phase Shift:** Less than $\pm 5^\circ$, 20-20,000 cps. **Input Impedance:** 250K ohms. **Output Impedance:** 4, 8 and 16 ohms. **Input Sensitivity:** Aux, Tuner, Tape Monitor, 25 V, 250K ohms; Phono (1, 2), 3.0 mV, 47,000 ohms; Tape Head, 2.5 mV, 1 megohm. **Controls:** Volume; Separate Treble and Bass (± 15 db), with friction clutch for separate control of each channel; Input Selector; Mode Selector, L to L & R, R to L & R, Stereo Rev., Stereo, Mono (L+R), L+R to L, L+R to R; Compensator (RIAA or LP); Tape (Normal-Monitor); Phase (Normal-Rev.); Speaker (On, Off for headphone listening); Power (On-Off); Scratch and Rumble Filter Switch; Loudness; Balance. **Transistors:** 8-2N2926, 4-11BQ101; both are silicon planar. **Tubes:** 4-7591, 2-12AU7, 1-12AX7. **Power Required:** 150 watts at no signal output, 210 watts at full output, 120-125 VAC, 60 cps. Anodized gold and black finish (front panel). **Size:** Front panel, 18" w. x 5 1/4" h.; chassis, 15" w. x 14 1/4" d. x 4 1/4" h. Mounting panel clearance 1 1/2", including knobs. Shipping Weight, 57 lbs.

McIntosh Model MA230—Less cabinet*, see preced.—\$349.00
ing page. Net Each.



MODEL MC275 DUAL 75-WATT STEREO AMPLIFIER

Full 75 watts each channel for fine stereophonic reproduction from any source. Harmonic distortion, hum and noise are extremely low permitting excellent transient response. **Power Output:** Stereo or dual amplifier, 75 watts each channel. Single channel monophonic, 150 watts. **Frequency Response:** +0, -0.1 db, 16-40,000 cps; +0, -0.5 db, 16-60,000 cps; +0, -1 db, 10-100,000 cps. **Hum and Noise Level:** Better than 90 db below rated output. **Harmonic Distortion:** Less than 0.5% at full power output at all frequencies from 20-20,000 cps. **IM Distortion:** Less than 0.5% at peak power output of twice the full power output. **Damping Factor:** About 10:1. **Phase Shift:** Less than $\pm 8^\circ$, 20-20,000 cps. **Input Impedance:** 250K ohms. **Input Level:** Single channel and dual amplifier, 0.5 V for full power output. **Output Load Impedance:** Stereo or dual amplifier, 4, 8, 16, 67, 150 and 600 ohms. Single channel 2, 4, 8, 16, 32, 34, 75 and 300 ohms. **Output Voltages:** Stereo or dual amplifier, 25, 70.7, 15 and 230 volts. Single channel, 25, 70.7, 115 and 230 volts. **Input Controls:** Gain controls provided for single monophonic or dual amplifier inputs; balance control provided for stereo channels. **Tubes:** 4-KT88/6550, 2-12AZ7, 2-12AU7, 2-12BH7, 1-12AX7. **Power Required:** 240 watts at no signal output, 400 watts at full output, 105-130 VAC, 50/60 cps. Power transformer tapped at 117 and 125 volts. Fused; 5 amp slo-blow. **Size:** 17 1/4" w. x 12 1/4" d. x 8" h. Shipping Weight, 75 lbs.

McIntosh Model MC275—Net Each. \$444.00

MODEL MC240 DUAL 40-WATT STEREO AMPLIFIER

Superb stereo/monophonic two-channel model. High power, distortion-free performance provided in two separate amplifiers mounted on a single chassis; can be connected with an input facility to be used in three ways: As a two-channel stereo amplifier delivering 40 watts for each channel (sensitivity, 2.0 volts); as independent dual amplifier, 40 watts per channel for electronic crossover systems or for stereo if increased sensitivity is desired (sensitivity 0.4 volt); or, as a single channel monophonic amplifier, 80 watts (sensitivity, 0.4 volt). Special features include gain or level balance control on each of the three input facilities; low-Z taps for direct connection to speakers, plus 25 V and 70.7 V taps, and a 300/600 ohm output for line or hi-Z loads. **Frequency Response:** ± 0.1 db, 20-20,000 cps; ± 1.0 db, 15-60,000 cps at full rated power. **Noise and Hum Level:** Better than 90 db below rated output. **Harmonic Distortion:** Less than 0.5% at full power, 20-20,000 cps. **Intermodulation Distortion:** Less than 0.5% at peak power output of twice the full rated power output. **Damping Factor:** About 10:1. **Phase Shift:** Less than $\pm 6^\circ$, 20-20,000 cps. **Input Impedance:** 250K ohms. **Output Impedance:** 4, 8, 16 (25 V), 125 (70.7 V) and 600 ohms, stereo or dual use; 2, 4, 8 (25 V), 16, 32, 62 (70.7 V) and 300 ohms, single channel monophonic. **Input Controls:** Gain for single or dual inputs; balance for stereo channels. **Preamplifier Power Supply:** Receptacle provided to supply 25.2 V CT at 1.2 amps and 375 V at 15 mA. **Tubes:** 3-12AX7, 2-12AU7, 2-12BH7, 4-6L6GC or 7027A. **Power Output:** 40 watts each channel (80 watts total combined); 160 watts total peak. **Power Consumption:** 270 watts (at full power), 105-130 VAC (selectable), 50/60 cps; slo-blow fused. Convenience outlet, to power other equipment, provided. **Size:** 17 1/4" w. x 10 3/4" d. x 8" h. Shipping Weight, 59 lbs.

McIntosh Model MC240—Net Each. \$288.00

MODEL MC225 DUAL 25-WATT STEREO AMPLIFIER

Frequency Response: 18-60,000 cps +0, -0.5 db. **Hum and Noise:** 90 db or more below rated output. **Harmonic Distortion:** Less than 0.5% at rated output, 20-20,000 cps. **IM Distortion:** Less than 0.5% at peak power output of twice the full rated power output. **Phase Shift:** Less than $\pm 15^\circ$, 20-20,000 cps. **Input Impedance:** 250,000 ohms; sensitivity, 0.5-30 V. **Output Impedance:** Stereo, 4, 8, 16, 150, 200 ohms; mono, 2, 4, 8 ohms and others. **Size:** 14 1/4" x 9 1/4" x 7" h. Shpg. Wt., 39 lbs.

McIntosh Model MC225—Net Each. \$198.00

MA230

MC275

MC225

MODEL MC40 POWER AMPLIFIER

Forty-watt amplifier, perfect for use in a monophonic home music system, one channel in a stereo system or commercial use. **Frequency Response:** 16-60,000 cps, +0, -0.5 db or better. **Noise and Hum:** 90 db or more below rated output. **Harmonic Distortion:** Less than 0.5% at 40 watts, 20-20,000 cps. **IM Distortion:** Less than 0.5% for below 80 watts peak power. **Phase Shift:** Less than $\pm 8^\circ$, 20-20,000 cps. **Input Impedance:** 250,000 ohms; sensitivity, 0.5-30 V. **Output Voltages:** 25 and 70.7 V. **Output Impedance:** 4, 8, 16, 125, 150 and 600 ohms. **Tubes:** 2-12AX7, 1-12AU7, 1-12BH7, 2-6L6GC or 2-7027A. **Power Requirements:** 145 watts, 117-125 V, 50/60 cps. **Size:** 13 1/4" x 8 1/4" x 7 1/4" h. Shipping Weight, 35 lbs.

McIntosh Model MC40—Net Each. \$159.00

MODEL MC75 POWER AMPLIFIER

Perfect for use in a monophonic home music system, as one channel in a stereo system or many industrial uses. Patented circuit with unity coupling and the McIntosh bifilar wound output transformer permits high power with distortion below 1% at mid-frequencies. Bifilar windings keep notch distortion low; silicon rectifiers for stability; thermistor protects tube life. **Frequency Response:** +0, -0.1 db, 16-40,000 cps at 75 watts output; +0, -0.5 db, 16-60,000 cps at 75 watts output; +0, -1 db, 10-100,000 cps at 38 watts output. **Noise and Hum Level:** 90 db or more below rated output. **Harmonic Distortion:** Less than 0.5% at 75 watts, 20-20,000 cps. **Intermodulation Distortion:** Less than 0.5% if instantaneous peak power is below 150 watts. **Phase Shift:** Less than $\pm 8^\circ$ 20 cycles through 20,000 cps. **Output Impedance:** 4, 8, 16, 67, 150 and 600 ohms (600 ohm is balanced to ground). **Input Impedance:** 250,000 ohms. **Input Sensitivity:** 0.5 V to 30 V through gain control; 2.0 V with gain control turned fully clockwise. **Power Output:** 75 watts continuous. **Power Requirements:** 117 or 125 volts AC, 50/60 cps. Uses 240 watts at 75 watts output; 140 watts at zero signal output. **Tubes:** 1-12AX7, 1-12AU7, 1-12BH7, 1-12AZ7 and 2-KT-88 or 2-6550. **Size:** 16 1/4" w. x 8 1/4" d. x 8 1/4" h. Shipping Weight, 48 lbs.

McIntosh Model MC75—Net Each. \$229.50