

MC 451

DUAL MONO POWER AMPLIFIER

McIntosh
The Compendium



FRONT PANEL: Glass with LED/fiber-optic illuminated green/gold nomenclature. Tube windows. ⚡ Dual-View™ Power Output Meter (linear WATTS or DECIBELS). ⚡ METER selector: LIGHTS OFF, WATTS or HOLD. Standby indicator. POWER GUARD SGS/WARMUP INDICATOR. POWER GUARD/TEMP INDICATOR. POWER selector: OFF, REMOTE or ON. Handles.



BACK PANEL: Polished stainless steel/black chassis. VACUUM TUBE INPUT: BALANCED and UNBALANCED. ⚡ INPUT MODE selector switch: BALANCED or UNBALANCED. ⚡ CROSSOVER (MONO MODE) control: CROSSOVER POINT (HZ): 100, 130, 180, 250, 300, 400, 550, 800, 1K. VACUUM TUBE LEVEL control: (DB) -6, -3, 0, +1.2, +3. ⚡ MONO/SOLID STATE INPUT: BALANCED and UNBALANCED. AMPLIFIER MODE switch: MONO or SEPARATE. ⚡ VACUUM TUBE OUTPUTS:

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BACK PANEL (CONTINUED): 2 Ω , 4 Ω , 8 Ω , COM. SOLID STATE OUTPUTS: 2 Ω , 4 Ω , 8 Ω , COM. ⚡ POWER CONTROL jacks: OUT and IN. AUTO OFF switch: ENABLED or DISABLED. Power cord socket. Fuse holder.

SOLID STATE SPECIFICATIONS: **Power Output:** 300W into 2 ohm, 4 ohm or 8 ohms load. **Rated Power Band:** 20HZ to 20,000Hz. **Dynamic Headroom:** 2.5dB. **Wide Band Damping Factor:** Greater than 40. **Frequency Response:** +0 - 0.25dB from 20Hz to 20,000Hz, +0,-3dB 10Hz to 100,000Hz. **Total Harmonic Distortion:** 0.005% maximum harmonic distortion at any power level from 250 milliwatts to rated power, 20Hz to 20kHz. **Intermodulation Distortion:** 0.005% maximum, if the instantaneous peak power output does not exceed twice the rated power output for any combination of frequencies from 20Hz to 20kHz. **Signal to Noise Ratio (A Weighted):** 118dB below rated output. **Input Sensitivity (for rated output):** 3.4 Volts Balanced; 1.7 Volts Unbalanced. **Voltage Gain:** 29dB, 8 Ohms; 26dB, 4 Ohms; 23dB, 2 Ohms. **Input Impedance:** 22,000 Ohms Balanced; 22,000 Ohms, Unbalanced.

VACUUM TUBE SPECIFICATIONS: **Power Output per Channel:** 150W into 2 ohm, 4 ohm or 8 Ohm load. **Rated Power Band:** 20HZ to 20,000Hz. **Dynamic Headroom:** 1.2dB. **Wide Band Damping Factor:** Greater than 18. **Frequency Response:** +0 -0.5dB from 20Hz to 20,000Hz, +0,-3dB 10Hz to 70,000Hz. **Total Harmonic Distortion:** 0.5% maximum harmonic distortion at any power level from 250 milliwatts to rated power, 20Hz to 20kHz. **Intermodulation Distortion:** 0.5% maximum, if the instantaneous peak power output does not exceed twice the rated power output for any combination of frequencies from 20Hz to 20kHz. **Signal to Noise Ratio (A Weighted):** 112dB below rated output. **Input Sensitivity (for rated output):** 2.4 Volts Balanced; 1.2 Volts Unbalanced. **Voltage Gain:** 29dB, 8 Ohms; 26dB, 4 Ohms; 23dB, 2 Ohms. **Input Impedance:** 22,000 Ohms Balanced; 22,000 Ohms, Unbalanced.

GENERAL SPECIFICATIONS: **Power Control Input:** 5-15VDC. **Power Control Output:** 12VDC, 25mA. **Autoformer (solid state).** Sentry Monitor. Power Guard (solid state). Power Guard Screen Grid Sensor™ (tube). **Power Requirements:** 120 Volts ~ 50/60Hz at 6 Amps.

TUBES: 4-KT88 output, 2-12AT7, 2-12AX7A. Solid state rectifier bridge.



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MC 451 - Sold from December 2022 - Current. S/N: AHT1001~AHT????
Size: 11-3/16"H, 17-7/8"W and 21-1/2"D. **Weight:** 133 lb. **\$14,000.00**