

MA2275
Vacuum Tube
Integrated Amplifier



“cutting-edge technology combined with classic vacuum tube performance”

The MA2275 is the first McIntosh integrated amplifier to rely exclusively on vacuum tubes in all audio circuits. The new design combines classic vacuum tube audio performance with state of the art control technology.

A new ultra-low-noise preamp has been engineered for the MA2275. Old-fashioned point-to-point wiring, common in vacuum tube designs, has been replaced with glass epoxy printed circuit boards developed through modern computer-aided design techniques. Input switching is accomplished inside glass cylinders filled with an inert gas to prevent signal degradation.

The new, modernized circuit design of the classic MC275 power amplifier, which incorporates McIntosh's exclusive Unity-Coupled output circuitry to provide clean, low-distortion power over the entire frequency range, serves as the power amplifier section in the MA2275.

Low noise combined with clean power in an all vacuum tube integrated...available only from McIntosh.

- Low Noise MM Phono Input**
- Balanced CD Input**
- Six Program Source Inputs**
- Preamp-Out/Amplifier-In Loop**
- Extra Set of Pre-Outs Provided**
- Taps for 2, 4, & 8-Ohm Speakers**
- Illuminated Peak-Responding Wattmeters**
- Silent Electromagnetic Switching**
- Defeatable Bass & Treble Controls**
- Fiber Optic Lighting**
- Headphone Jack**
- Remote Control**

A Tradition of Excellence



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FLEXIBILITY

6 sets of unbalanced inputs, main preamp-out/amp-in connection and one additional set of switched preamp outputs are included.

PHONO INPUT

The ultra-quiet McIntosh phono stage for moving magnet cartridges is built-in. If desired, this input may be changed to "aux" high-level inputs.

FULL POWER DELIVERY

The MA2275 delivers 75 watts per channel into 2, 4, and 8-ohm speakers.

ULTRA LOW NOISE AND DISTORTION

Distortion-canceling properties of McIntosh's Unity-Coupled Output circuit and unique Output Transformer design yield much lower distortion and noise across the entire 20-20,000Hz music range.

WIDE BANDWIDTH

McIntosh's exclusive Output Circuit and Transformer designs ensure ultra-wide frequency bandwidth

INVERTED CHASSIS

Heat producing tubes are placed on top under a protective cage, while other circuits are shielded by a beautiful polished stainless steel chassis.

POWER OUTPUT

Minimum sine wave continuous average power output per channel, both channels operating is: 75 watts into 2, 4, or 8-ohm loads.

RATED POWER BAND

20Hz to 20kHz

TOTAL HARMONIC DISTORTION

0.5% max. at any level from 250 milliwatts to rated power output per channel from 20Hz to 20kHz.

FREQUENCY RESPONSE

+0, -0.5dB from 20Hz to 20kHz
+0, -3dB from 10Hz to 50kHz

SENSITIVITY

High Level: 250mV for 2.5V rated output (50mV IHF)
Phono: 2.5mV for 2.5V rated output (0.5mV IHF)
Power Amplifier Input: 2.5V for rated output

A-WEIGHTED SIGNAL-TO-NOISE RATIO

High Level: 93dB below rated output
Phono Input: 80dB below 10mV input
Power Amp: 100dB below rated output

INTERMODULATION DISTORTION

SMPTE 0.5% max if instantaneous peak power does not exceed 150W per channel.

INPUT IMPEDANCE

High Level: 22k ohms
Phono: 47k ohms, 65pF

MAXIMUM INPUT SIGNAL

High Level: 8V
Phono: 90mV

MAXIMUM PREAMP

VOLTAGE OUTPUT
High Level: 8V
Phono: 8V
Main Out: 8V at preamp output

VOLTAGE GAIN

High level to tape: 0dB
High level to main: 15dB

POWER REQUIREMENTS

120V, 50/60Hz, 3.6 Amps

PREAMP TUBE COMPLIMENT

2 – 12AX7A Phono circuitry
2 – 12AX7A High level circuitry

POWER AMP TUBE COMPLIMENT

2 – 12AT7
4 – KT88/6550

OVERALL DIMENSIONS (H x W x D including knobs and feet)

10-1/8" (25.7cm) X 17-3/4" (45cm) x 18-3/4" (47.6cm)

WEIGHT

77 lbs. (35kg) net, 110 lbs. (50kg) boxed

2 x 75 watts (8/4/2 ohms)

All signal amplification by vacuum tubes

Wide power bandwidth with ultra-low distortion

Illuminated peak-responding wattmeters

Switchable meter illumination

Tape loop in/out provided

Gold plated input & output connectors

Noise and transient-free turn-on/turn-off

High-performance headphone output

Dual preamp outputs

Switched data output ports

External remote sensor jack

