



Amplifier Specifications

Power Output

200 watts is the minimum sine wave continuous average power Output per channel, both channels operating

Output Load Impedance

2, 4 or 8 ohms

Rated Power Band

20Hz to 20,000Hz

Total Harmonic Distortion

0.005% maximum with both channels operating from 250 milliwatts to rated power, 20Hz to 20,000Hz

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 20,000Hz.

Dynamic Headroom

3.1dB

Wide Band Damping Factor

Greater than 40

Power Guard

Less than 2% THD with up to 16dB overdrive at 1,000Hz

Frequency Response

+0, -0.5dB from 20Hz to 20,000Hz

+0, -3dB from 10Hz to 100,000Hz

Preamplifier Output 1 and 2 (for rated Input)

1.4V unbalanced (8V Maximum)

2.8V balanced (8V Maximum)

Sensitivity (for rated Output)

High Level, 250mV unbalanced, 500mV balanced

Phono MM, 2.5mV

Phono MC, 0.25mV

Power Amp In, 1.4V

Signal To Noise Ratio (A-Weighted)

High Level, 95dB below rated Output

Phono MM, 82dB below 5mV Input

Phono MC, 80dB below 0.5mV Input

Power Amplifier, 113dB below rated Output

Input Impedance

High Level, 20K ohms

Phono MM - 47K ohms; 50pF

Phono MC - 50, 100, 200, 400 or 1,000 ohms; 100pF

Preamplifier Output Impedance

220 ohms

Equalizer Controls

Maximum Input Signal

High Level, 8V unbalanced, 16V balanced

Phono MM, 80mV

Phono MC, 8mV

Power Amplifier In, 16V

Preamplifier Output Impedance

220 ohms

Headphone Impedance

100 to 600 ohms

Voltage Gain

High Level to Rec Output: 0dB

High Level to Output 1 and 2: 15dB

Phono MM to Rec Output: 40dB

Phono MC to Rec Output: 60dB

Phono MM to Output 1 and 2: 55dB

Phono MC to Output 1 and 2: 75dB

Power Amplifier: 29dB

Power Control and Trigger Output

12VDC, 25mA

Digital Audio Specifications

Digital Input Signal Format

Coaxial and Optical Inputs - SPDIF (PCM)

MCT and USB Inputs - PCM, DSD

Digital Input Sample Rates

Optical: PCM - 16Bit, 24Bit - 44.1kHz to 192kHz

Coaxial: PCM -16Bit, 24Bit - 44.1kHz to 192kHz

MCT: PCM, SACD, -16Bit, 24Bit - 44.1kHz to 192kHz

USB: PCM - 16Bit, 24Bit, 32Bit - 44.1kHz to 384kHz

DXD - DXD352.8kHz, DXD384kHz

DSD - DSD64, DSD128, DSD256, DSD512

HDMI: PCM 24bit, 44.1kHz - 192kHz

DTS

Dolby Digital

Digital Inputs

Coaxial: 0.5V p-p/75 ohms

Optical: -15dbm to -21dbm (TOS Link)

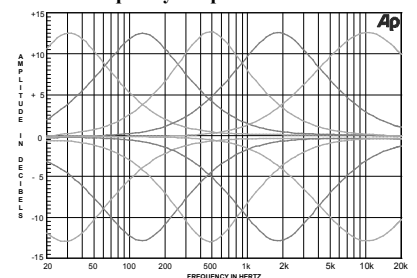
MCT: 0.5V p-p/75 ohms

USB: USB Type B Connector

HDMI

Representative Equalizer

Boost/Cut Frequency Response



General Specifications

Power Requirements

Field AC Voltage conversion of the MA8950 is not possible. The MA8950 is factory configured for one of the following AC Voltages:

- 100 Volts, 50/60Hz at 5.2 amps
- 110 Volts, 50/60Hz at 4.4 amps
- 120 Volts, 50/60Hz at 4.4 amps
- 220 Volts, 50/60Hz at 2.45 amps
- 230 Volts, 50/60Hz at 2.35 amps
- 240 Volts, 50/60Hz at 2.25 amps

Standby: Less than 0.25 watt

Note: Refer to the rear panel of the MA8950 for the correct voltage.

Overall Dimensions

Width is 17-1/2 inches (44.45cm)

Height is 7-5/8 inches (19.37cm) including feet

Depth is 18-3/4 inches (47.63cm) including the Front Panel and Knobs

Weight

75 pounds (34.1 kg) net, 93 pounds (42.3 kg) in shipping carton

Shipping Carton Dimensions

Width is 29-1/2 inches (74.93cm)

Depth is 29 inches (73.66cm)

Height is 17 inches (43.18cm)

Packing Instructions

In the event it is necessary to repack the equipment for shipment, the equipment must be packed exactly as shown below. It is very important that the four plastic feet are attached to the bottom of the equipment. Two #10 x 2-1/2 inch screws and washers must be used to fasten the unit securely to the bottom pad and wood skid. This will ensure the proper equipment location on the bottom pad. Failure to do this will result in shipping damage.

Use the original shipping carton and interior parts only if they are all in good serviceable condition. If a shipping carton or any of the interior part(s) are needed, please call or write Customer Service Department of McIntosh Laboratory. Refer to page 2. Please see the Part List for the correct part numbers.

MA8950 Packing Material List

| Quantity | Part Number | Description |
|----------|-------------|-----------------------------|
| 1 | 033888 | Shipping carton |
| 4 | 033887 | End Cap |
| 1 | 033697 | Inner carton |
| 1 | 033725 | Top pad |
| 1 | 034576 | Bottom pad |
| 1 | 034480 | Wood skid |
| 2 | 017218 | Plastic foot (spacer) |
| 2 | 401204 | #10 x 2-1/2 inch wood screw |
| 2 | 404033 | #10 flat washer 1-3/4 inch |
| 4 | 017937 | Plastic foot |
| 4 | 400159 | #10-32 x 3/4 machine screw |
| 4 | 404080 | #10 flat washer |

