

MHT200
A/V System
Controller



**“a complete home theater solution
in a single component
with McIntosh quality”**

The MHT200 combines the flexibility of a premium home theater processor and the power of eight individual amplifiers all in a single component. With switching provided for Component Video, S-Video and Composite Video and eight analog and six digital audio inputs, you won't outgrow the MHT200 anytime soon!

Processing formats include DTS; DTS ES; DTS Neo: 6; Dolby Digital; Dolby Digital EX and Dolby ProLogic II. Each of the eight-monoblock amplifiers provides 140 watts of power to easily meet the demands of dynamic home theater sound while also providing built-in amplifiers for a second zone of audio. Imagine...six channels effortlessly powering your home theater while the other two channels let you listen to a different source (like a CD) in another room!

The MHT200 also provides an expansion slot for an optional high-performance AM/FM stereo tuner. Have your dealer install the optional tuner module and enjoy the AM/FM quality McIntosh is famous for.

- DTS ES and DTS Neo: 6**
- Dolby Digital EX and Dolby Pro Logic II**
- Power Guard® Clipping Protection**
- Ultra-Low (0.05%) Distortion Levels**
- On-Screen Menus**
- Auto-Calibration with Microphone**
- 24 Bit Processors Onboard**
- Expanded Trim and Tone Memories**
- Illuminated Remote Control**
- Eight Pre-Out/Amp-In Connections**
- Flexible Bass Management**
- Zone 2 Front Panel Controllable**

POWER OUTPUT

A Tradition of Excellence



For the Consumer's Protection: In order to ensure the highest level of customer satisfaction, "new" McIntosh products may only be purchased over-the-counter or delivered and installed by an Authorized McIntosh Dealer. McIntosh products that are purchased over the Internet, by phone or mail order are presumed to be "used" and do not qualify for any McIntosh Warranty. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized Dealer or products that have had their serial number altered or defaced.

MHT200 A/V System Controller & Optional Tuner

FULL BANDWIDTH AMPLIFIERS

McIntosh amplifiers are rated across the full 20-20,000Hz range... unusual in the home theater world.

POWER GUARD®

Protects your speakers from clipping distortion on peaks using a patented light-beam-triggered circuit.

NEW SILENT-SWITCHING

Surround modes and inputs are controlled by new silent switches.

NEW VOLUME CONTROL

This fourth-generation volume control is progressive and noise free.

SELF CALIBRATING

Sit back and let the MHT200 set its own speaker levels and delay times with the supplied microphone.

96kHz PROCESSING

Get improved sound from the newest 96kHz high resolution CDs and DVDs.

PERFORMANCE SPECIFICATIONS PREAMP SECTION

FREQUENCY RESPONSE (L/C/R/LS/RS/LB/RB)

+/-0.5dB from 20Hz – 20kHz

(Sub)

+/-0.5dB from 20Hz – 140Hz

This channel has an electronic low pass filter with an 80Hz corner frequency and 24dB per octave roll off in all modes except external.

OUTPUT IMPEDANCE:

Less than 560 ohms all channels

MAXIMUM VOLTAGE OUTPUT:

8V

TOTAL HARMONIC DISTORTION:

All channels, 0.05% from 20Hz to 20kHz

SENSITIVITY:

Line Level: 100mV IHF

Dolby Level: 200mV input

External Input: 200mV for 2.0Vrms

A-WEIGHTED SIGNAL-TO-NOISE RATIO:

All outputs greater than 90dB below reference level.

MAXIMUM INPUT SIGNAL:

Analog Input: 6Vrms

POWER AMPLIFIER SECTION

POWER OUTPUT ZONE A:

Minimum sine wave continuous average power output per channel with specified number of channels operating is:

Rated Power Band (80Hz to 20kHz) into a 4 ohm load:

2 x 160 watts

3 x 140 watts

5 x 130 watts

6 x 120 watts

POWER OUTPUT ZONE B:

Minimum sine wave continuous average power output per channel with both channels operating is:

Rated Power Band (20Hz to 20kHz) into a 4 ohm load:

2 x 150 watts

OUTPUT LOAD IMPEDANCE:

4 to 8 ohms.

RATED POWER BAND:

20Hz to 20kHz

TOTAL HARMONIC DISTORTION:

0.05% maximum harmonic distortion at any power level from 250 milliwatts to rated power per channel.

FREQUENCY RESPONSE:

+0, -0.25dB from 20Hz to 20kHz

+0, -3.0dB from 10Hz to 100kHz

SENSITIVITY:

1.0V

A-WEIGHTED SIGNAL-TO-NOISE RATIO:

92dB (112dB below rated output)

INTERMODULATION DISTORTION:

0.05% maximum if instantaneous peak output does not exceed twice the output rating per channel.

OPTIONAL TM-1 TUNER FM SECTION SPECIFICATIONS

USABLE SENSITIVITY:

14dB which is 1.4µV across 75 ohms

50dB QUIETING SENSITIVITY:

Mono: 19dB which is 2.4µV across 75 ohms

Stereo: 35dB which is 15µV across 75 ohms

SIGNAL-TO-NOISE RATIO:

Mono: 75dB

Stereo: 70dB

FREQUENCY RESPONSE:

Mono: +0, -1dB, 20Hz to 15kHz

Stereo: +0, -1dB, 20Hz to 15kHz

INTERMODULATION DISTORTION:

Mono: 0.25%

Stereo: 0.45%

CAPTURE RATIO:

1.2dB

ALTERNATE CHANNEL SELECTIVITY:

75dB

SPURIOUS REJECTION:

100dB

IMAGE REJECTION:

75dB

AM SECTION SPECIFICATIONS

SENSITIVITY:

20µV external antenna input

SIGNAL-TO-NOISE:

48dB at 30% modulation

58dB at 100% modulation

HARMONIC DISTORTION:

0.5% maximum at 50% modulation

FREQUENCY RESPONSE:

50Hz to 6kHz NRSC

ADJACENT CHANNEL SELECTIVITY:

45dB minimum IHF

IMAGE REJECTION:

65dB minimum from 540 to 1600kHz

IF REJECTION:

80dB minimum

GENERAL

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

9-7/16" (23.97cm) x 17-3/4" (45.09cm) x 20-1/8" (51.16cm)

WEIGHT:

73 lbs. (33.1Kg) net

87 lbs. (39.5Kg) boxed

