

MHT 300

7.2 (or 5.2.2) EXPANDABLE TO 7.2.4 CHANNEL
HOME THEATER RECEIVER

McIntosh

The Compendium



FRONT PANEL Brushed aluminum and glass with LED/fiber-optic illuminated green nomenclature. **INPUT** control: TRIM / SETUP / TUNER. Dirac Live indicator. Vacuum fluorescent display. Fault states for each amplifier channel: LB, LS, L, C, R, RS, RB. Standby Indicator. IR sensor. **VOLUME** control: POWER / VOLUME / MUTE / SETUP/TRIM.



BACK PANEL: HDMI: OUT/eARC; IN: 1, 2, 3, 4. DIGITAL INPUTS: COAXIAL / OPTICAL 1. COAXIAL / OPTICAL 2. RS232/SETUP / MIC; TRIG 1/ TRIG 2; IR IN/ DATA OUT. NET LAN connector. SERVICE USB. Power cord receptacle. ⚡ 75 Ω FM ANTENNA coax input. AUDIO OUTPUTS: HEIGHT L1, HEIGHT R1, HEIGHT L2, HEIGHT R2, SW1, HEIGHT SWR2. Fuse. ⚡ CHANNEL 7-RB IN and OUT. CHANNEL 6-RS IN and OUT. CHANNEL 5-R IN and OUT. CHANNEL 4-C IN and OUT. CHANNEL 3-L IN and OUT. CHANNEL 2-LS IN and OUT. CHANNEL 1-LB IN and OUT. ⚡ CHANNEL 7-RB speaker output + and -. CHANNEL 6-RS RB speaker output + and -. CHANNEL 5-R RB speaker output + and -. CHANNEL 4-c RB speaker output + and -. CHANNEL 3-L RB speaker output + and -. CHANNEL 2-LS RB speaker output + and -. CHANNEL 1-LB RB speaker output + and -.

AMPLIFIER AUDIO SPECIFICATIONS:

Power Output: Minimum sine wave continuous average power output per channel, all channels operating is: **120 watts** into an 8 ohm load; **150 watts** into a 4 ohm load. **Output Load Impedance:** 8 and 4 ohms. **Input Impedance:** 22k ohms. **Rated Power Band:** 20Hz to 20,000Hz. **Frequency Response:** +0 -0.5dB from 20Hz to 20,000Hz. **Total Harmonic Distortion:** .05% maximum harmonic distortion at any power level from 250 milliwatts to rated power, 20Hz to 20,000 Hz. **Dynamic Headroom:** 4dB - 4 and 8 ohm load. **Input Sensitivity (for rated**

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AMPLIFIER AUDIO SPECIFICATIONS (Continued):

output): 1.6 Volt Unbalanced (8 ohm loudspeaker); 1.3 Volt Unbalanced (4 ohm loudspeaker). **Signal to Noise Ratio (A-Weighted):** 85dB (95dB below rated output). **Wide Band Damping Factor:** Greater than 100, at 8 ohms; Greater than 50, at 4 ohms. **Voltage Gain:** 26dB. **Intermodulation Distortion:** .2% maximum, if the instantaneous peak power output does not exceed twice the rated power output or less per channel with all channels operating for any combination of frequencies from 20Hz to 20,000 Hz.

PRE-AMPLIFIER AUDIO SPECIFICATIONS:

Frequency Response: ± 0.5 dB from 20Hz to 20,000Hz. **Total Harmonic Distortion:** .005% maximum FROM 20Hz to 20,000Hz at rated output. **Signal to Noise Ratio (A-Weighted):** 96dB below rated output. **Output Impedance:** 330 Ohms. **Maximum Output Voltage:** 8V Unbalanced. **Coaxial/Optical Digital Input rate and Formats:** 32kHz to 192kHz, 24-Bit PCM, Multichannel PCM, Dolby Digital, DTS. **HDMI Input Rate and Formats:** 32kHz to 192kHz – 24-Bit PCM, Multichannel & Stereo PCM, Dolby Digital, DTS, Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, DTS:X, DTS-HD Master Audio, DTS Express. **Room Correction:** Dirac Live.

VIDEO SPECIFICATIONS:

HDMI (Inputs and Outputs): Version 2.1, 8K, High Dynamic Range (HDR). Dolby Vision, HDR 10, HLG, 4:4:4 Color, Rec. 2020, 3D Video pass-through, eARC, Dynamic Lip-sync. **Fixed rate Link (FRL):** 50 Gbps; 18Gbps TMDS. **Video Resolution:** Up to 1080p 60/50Hz; 4K 120/60/50/30/25/24Hz; 8K 60/30Hz. **HDCP:** Version 2.3

GENERAL SPECIFICATIONS:

Power Control Output: 12VDC, 50mA maximum total. **Power Requirements:** 100 - 120Volts / 220 - 240 Volts, 50/60;Hz at 10 Amp; Standby: less than 0.5 watt. Has hand remote **HR085**.



MHT 300 - Sold from March 2023 - Current. S/N: ???1001~???????

Size: 6-3/16"H, 17-1/2"W (19" with side-mount brackets) and 20"D.

Weight: 27 lb. **\$8,000.00**