

## PRE-AMP PROCESSOR

# MX134 Pre- Amp Processor

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### Quick Facts

The state-of-the-art MX134 Audio/Video Controller from McIntosh Labs is THX-certified and comes equipped with a powerful Motorola 24-bit Digital Signal Processor for decoding Dolby Digital/Pro Logic, DTS, and THX, along with processing of the latest multichannel 7.1 THX Surround EX and DTS ES technologies. This model also provides several imaging controls that allow tuning of the center channel, and surround channel steering. In addition, its internal processor, is augmented by an 8-channel input for use with external processors.

The MX134 employs a 24-bit stereo Analog-to-Digital (A/D) converter on the analog input, and four 24-bit stereo Digital-to-Analog (D/A) converters at the DSP output. The MX134 also incorporates the new ProLogic II decoding for movies and music. Using a 2-channel Dolby-encoded soundtrack, Dolby's latest technology improves the surround imaging by providing separate surround channel information, in contrast to the mono surround channel used in standard ProLogic. For music, ProLogic II allows full range directionality from the surround speakers with no added delay. In Stereo Mode, analog signals bypass all DSP processors for a pure unaltered signal.

There are eight operating modes: Stereo, Music 1, 2 and 3, Cinema, THX Cinema, External and Mono. The Cinema positions use illuminated logos to indicate which surround processors are in use - Dolby Digital or DTS, depending on which bitstream is detected. Only the left and right front, and subwoofer outputs are active in Mono and Stereo modes. All outputs are active in all other modes. All operating modes are accessible from the hand-held remote control.

Featuring an auto-memory mode setting for each input, the MX134 memorizes the playback mode setting used for each input, allowing the unit to be custom configured for the way each person uses the MX134. For example: when playing a CD, the MX134 will switch to Stereo mode; however, in DVD mode, it switches to THX Cinema.

The rear panel of the MX134 is set up in five groups of RCA jacks for analog audio: 11 A/V inputs with re-assignable input selection, external inputs (for an 8-channel external processor), Zone A outputs and Zone B outputs. An additional input is provided for the optional TM-1 AM/FM Tuner. A male 25-pin subminiature "D" connector is available for connecting all eight surround sound outputs and the power control signals to McIntosh's 6-Channel Power Amplifiers. Additionally, a special connector is provided to interface the MX134 with McIntosh's Audio/Video Multizone Remote Control System to make all audio and data connections via one cable.

Another group of digital audio inputs provides access to three coaxial inputs and three optical inputs, which are assignable to any A/V source. The digital outputs can feed an external digital processor, which in turn connects to the RCA External Inputs, creating an A/V Digital processor loop. There are two groups of video input and output jacks. For each audio input there is a matching composite and S-Video input, allowing for the flexibility to reassign any input to a specific A/V source. Two

inputs also offer component video. In addition, there is a video converter to convert composite or S-Video to component video.

The MX134 is set up for remote control of two zones. A master control microprocessor, programmed by McIntosh, receives and decodes signals from separate IR sensors or keypads. One sensor is on the front panel for Zone A, the other is connected to the Zone B keypad input. This microprocessor controls the volume and input selection logic. The MX134 allows installers or users to expand its control to other devices in the home using the optional McIntosh HC-1 Home Controller. The HC-1 can also control lights, screens and drapes.

A new McIntosh feature, similar to the Power Guard<sup>®</sup> circuit employed by other McIntosh processors and amplifiers, allows the MX134 to monitor input voltage. If overdrive occurs, the input signal level is attenuated automatically. A double-shielded (copper and steel) power transformer eliminates hum pickup from the power transformer. The electronically regulated power supply maintains stable operation even during brownouts or low line voltage.

### About This Product

- 24-Bit Signal Processing handles Dolby Digital/Pro Logic, DTS, THX and Bass Management
- THX Surround EX and DTS ES
- Pro Logic II Decoding for movies and music
- Home THX Cinema for optimizing sound in rooms lacking proper speaker locations
- Pure Stereo Mode
- Two Independent Zones
- Optional Internal AM/FM Tuner Module
- RS232 Port for connecting McIntosh keypads and other external IR sensors

### *Features and Specs*

Selected Grade 24 Bit D/A Converter	•
Type of Volume Control	Super-Tracking Volume Control
Glass Front Panel with Illuminated Nomenclature	•
Independent Listen and Record Selection	•
Automatic mode switching between Dolby Digital, Pro Logic and DTS	•
Automatic Input Level Control (AILC)	•
Programmable Source Trim	•
Matched and Buffered Video Switching	•
THX Surround EX	•
Dolby Prologic	•
Dolby Prologic II	•
Dolby Digital	•
DTS	•
96kHz / 24-Bit Audio Resolution	•
Digital Signal Processing	•
Active Variable Loudness Compensation	•
Dual Zone Control	•
On-Screen Set-Up Menu	•
Memory By Source Selection	•
Multi Source Capability	•
Multi Room Capability	•
RAA1 Remote AM Antenna	•
Control Data Outputs	•
AV Switching	•
RS-232C	•

S-Video Input	•
Composite Video Input	•
7.1 Channel Input	•
Multiple Inputs	•
S-Video Output	•
Digital Output	•
Gold Plated Terminals	•
Crestron Integration	•
Frequency Response	20 Hz to 20 KHz +0 / -0.5 dB
Rated Output Voltage	2 Vrms
Maximum Unclipped Output	8 Vrms
Output Impedance	balanced / 100 ohms unbalanced
Total Harmonic Distortion	0.005 %
Input Sensitivity	200 mV
Maximum Input Signal	6 v
Signal to Noise Ratio	>90 dB
Input Impedence	22k ohms
Bass Control	+/- 12 dB at 100 Hz
Treble Control	+/- 12 dB at 10 KHz
Power Requirements	120 v 65 w
Warranty (parts)	36 month(s)
Warranty (labor)	36 month(s)
Dimensions	7.125 in. H x 17.5 in. W x 21 in. D (18.1 cm. H x 44.5 cm. W x 53.2 cm. D)
Weight	32.5 lbs. (14.8 kg.)