



# M17 AV Surround Sound Preamp Processor



Surround yourself with perfection. The M17 carries on the enviable task of representing NAD's finest surround sound performance. Infinite possibilities await thanks to the M17's most impressive feature, Modular Design Construction (MDC), our proven method for preventing premature obsolescence. Dolby® TrueHD™, DTS® Master Audio™ and NAD's innovative EARS™ (stereo-to-surround) circuits deliver hyper-realism that captures every dimension of a performance. Add bit-perfect video processing and the M17 delivers the most accurate sound and image experience you've ever had. The M17 is second-to-none in terms of flexibility and up-to-the-minute digital technology.



## > Modular Design Construction (MDC)

With MDC all major digital circuits can be upgraded and replaced to keep the M17 forever young and capable. This NAD innovation is a unique architecture that keeps pace with the fast changing world of digital formats by allowing connectivity and feature upgrades as new technology becomes available. Future video formats and surround sound decoders can be easily accommodated with our exclusive MDC, allowing critical digital hardware and software to be upgraded. MDC defies premature obsolescence, so you can keep pace with the latest developments in high performance AV through dealer-installed modules. Your M17 can be upgraded as your needs and tastes develop, and you only need to replace the module you want to upgrade, not the entire AV preamp processor.

## > Fully Featured Surround

The M17 carries on the enviable task of representing NAD's finest surround sound performance. It offers full HDMI video switching and surround sound decoding along with 7.1 balanced outputs. Brimming with a full complement of sophisticated features like the high resolution lossless surround formats from Dolby TrueHD and DTS Master Audio decoding, NAD's own renowned stereo-to-surround EARS (Enhanced Ambient Recovery System) circuit optimized for 7-channel surround, and Audyssey MultEQ setup and room correction, the M17 provides the highest levels of performance. The surround mode of the source material is automatically detected via the digital inputs of the M17, and the most advanced form of decoding, based on your setup, is switched in. Conversion of the encoded digital bitstream is performed with high resolution and extremely linear D/A converters carefully selected for their performance capabilities.

## > Fully Balanced Audio with Separate Linear Supply

Like all professional recording studios and sound stages, the M17 offers fully balanced audio outputs for all seven channels. Locking connectors and special interface electronics allow long cable runs without noise pickup or signal loss. The silent black background and explosive dynamics afforded by the balanced line stage amplifier adds drama and excitement to your music and movies.

## > Flexible Setup

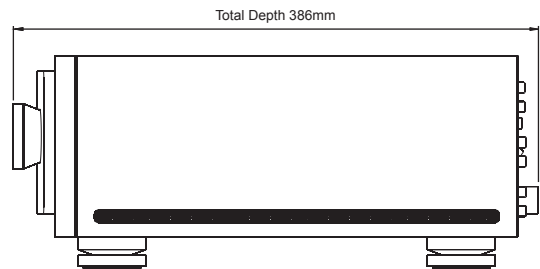
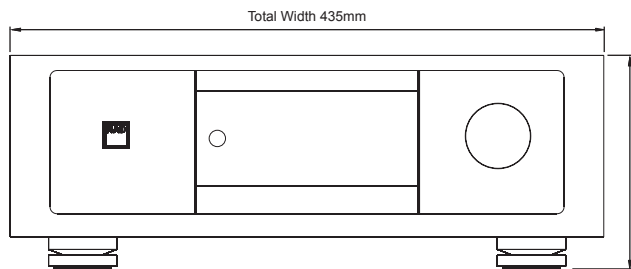
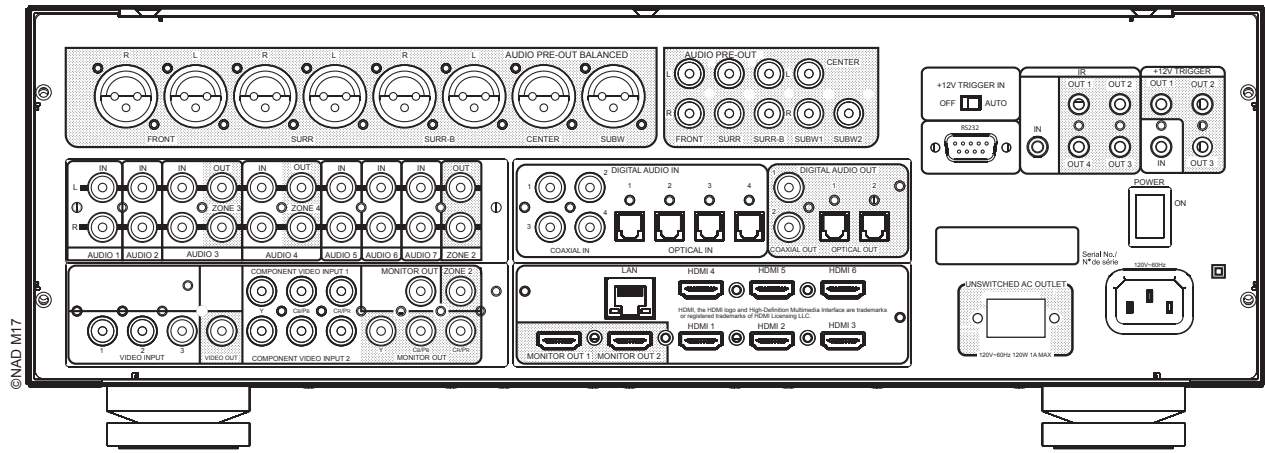
A full suite of video switching caters to all the popular video formats (HDMI, Component Video, S-Video, and Composite Video). Digital inputs and outputs are available in both coaxial and optical formats to make it easy to attach all your digital sources. Digital inputs are converted to analogue for use in Zone 2, and you can choose to convert unused tape outputs for Zone 3 and Zone 4 use with independent source selection and volume control. We have also made it easy to add more speakers for listening to music in additional rooms. IR repeaters, 12V triggers to automatically switch amplifiers on and off, and an RS-232 data port makes it easy to connect to highly advanced automated control systems, such as Savant and Control4. Thoughtful features like discrete On and Off codes, direct access to inputs and FM station presets facilitates the integration of the M17 into elaborate remote control systems.

## > Customize with AV Presets

The M17's sleek TFT touch panel display makes setup and control easier than ever before. Unique features like AV presets and a completely flexible input setup allow unprecedented flexibility and ease of use. The M17 offers five independent AV presets that store speaker level and tone control settings for instant recall, making it easy to custom tailor your system for different types of program material. Encoded surround modes like Dolby Digital and DTS are automatically selected if the program is so encoded. The M17 also remembers your last used settings when switched in and out of Standby mode.

## > Complete and Compact

The M17 combines all the control and decoding functions in one compact chassis, giving up nothing to the convenience of the receiver, yet by separating the power amp stages gives a big jump in performance and flexibility. Match it with our M27 Seven Channel Power Amplifier with the latest advancement in hybrid digital amplification. The M17 is an excellent example of the NAD Design Team's expertise in quality in the digital decoding stages, the video processing section, and in the analogue preamp stages for the best overall performance. Along with the new touch screen and ergonomic refinements that simplify operation, the M17 will be the dream command centre of your home cinema.



## Specifications

CONNECTIONS	M17
HDMI	Up to 1080p
Optical	3 Vpp
Coaxial	0.5 Vpp
Ethernet	RJ45 10/100 Ethernet Tx
<b>LINE LEVEL INPUT</b>	
Input Impedance (R and C)	56kΩ + 220pF
Input Sensitivity	40mV (ref. 500mV out)
Maximum Input Signal	>8Vrms
Signal/Noise Ratio, A-weighted	>90dB (ref. 500mV in, 500mV out, volume set to unity gain) >80dB (ref. 2V out, volume maximum)
Channel Separation	>70dB (ref. 1kHz / 10kHz)
Frequency Response	±0.3dB (ref. 20Hz - 20kHz, Tone Active) ±0.3dB (ref. 20Hz - 20kHz, Tone Defeat)
Frequency Response (subwoofer out)	10 - 200Hz (ref. -3dB)
<b>OUTPUT</b>	
XLR	>2Vrms
Maximum output level	>8Vrms into 600Ω
THD (CCIF IMD, DIM 100)	<0.005% (ref. 20Hz - 20kHz, 2V out)
Tone Controls	Treble ±10dB at 10kHz (ref. 2V in, 2V out) Bass ±10dB at 100kHz (ref. 2V in, 2V out)
<b>GENERAL</b>	
Standby power	<0.5W
Unit Dimension (WxHxD) - Gross*	435 x 156 x 386mm 17 1/8 x 6 3/16 x 15 1/4 inches**
Net weight	10.9kg (24lb)
Shipping weight	17.5kg (38.6lb)

\* Gross dimensions include feet, extended buttons and rear panel terminals.

\*\* Non-metric measurements are approximate. NAD Electronics will not assume any liability for errors being made by retailers, custom installers, cabinet makers, or other end users based on information contained in this document.

Note: Installers should allow a minimum clearance of 55mm for wire/cable management.



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