



# M17 V2 AV Surround Sound Preamp Processor



## Surround Yourself with Perfection.

### Introducing the M17 V2 A/V Surround Sound Preamp Processor

The M17 V2 carries on the enviable task of representing NAD's finest surround sound performance. Infinite possibilities await thanks to the M17 V2's most impressive feature, Modular Design Construction (MDC), NAD's proven method for preventing premature obsolescence. Dolby Atmos® and DTS-HD™ Master Audio combine with Dirac Live® Room Correction to deliver hyper-realism that captures every dimension of a performance. Add bit-perfect 4K UHD video processing and the M17 V2 delivers the most accurate sound and image experience you've ever had. The M17 V2 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 V2 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 newer technologies become available. In fact, this M17 V2 is the previous M17 chassis with a new video MDC and a new audio MDC installed. MDC defies premature obsolescence, so you can keep pace with the latest developments in high performance AV through dealer-installed modules. Your M17 V2 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 V2 offers full HDMI video switching and surround sound decoding along with 11.1 balanced outputs. Brimming with a full

### FEATURES & DETAILS

- Fully Balanced outputs for all 11.1 channels (Mini XLR for Height Channels)
- Differential DACs for each channel
- Separate linear and active power supplies dedicated for analogue and digital sections
- MDC Modular Design Construction (MDC), includes AM 17 Audio and VM 300 Video modules
- 5 x HDMI Digital Audio/Video Inputs - 4K UHD full support with 4K/60p/4:4:4/HDCP 2.2; 2 HDMI outputs (1 HDCP 2.2 with CEC, 1 HDCP 1.4)
- Dolby Atmos® and DTS-HD™ Master Audio support
- BluOS™ Enabled for wireless multi-room music streaming (upgrade kit included)
- Hi-Res Audio playback including 24-bit/192kHz FLAC / WAV / AIFF
- 5 Custom A/V Presets
- Independent source and volume controls for Zone 2
- RS-232 Port Interface for Advanced Control Systems
- Eco-friendly operation with <0.5W standby power consumption
- Complete with Dirac Live® Full Frequency Software and Calibrated Microphone



complement of sophisticated features like the high resolution lossless surround formats from Dolby TrueHD and DTS-HD Masters Audio decoding, and now object-based audio with Dolby Atmos, 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 V2, and the most advanced form of decoding, based on a 4.0 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 V2 offers fully balanced audio outputs for all eleven 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.

### World's Most Sophisticated Digital Room Correction System

Dirac Live® and its powerful room correction software is built in to the M17 V2, including its own calibrated measurement microphone and Dirac Live Full Frequency. Advanced users can build the perfect listening environment that corrects for both the timing and colourations in sound, including the ability to create custom target curves for room response and the option to choose from a variety of third-party calibrated microphones.

### The BluOS Advantage

BluOS®, the advanced operating system and music management software shared with NAD's sister brand Bluesound, is included in the M17 V2 making it unique among high-end AV Processors. When connected to the Internet via Ethernet or Wi-Fi, the M17

V2 has access to thousands of Internet radio stations and over a dozen high quality music services including Spotify, Amazon Music, Tidal, Deezer, and many more. With full support for Master Quality Authenticated (MQA) technology, the M17 V2 has the highest resolution audio performance available combined with the highest definition video performance.

### Flexible Setup

The latest HDMI features, including HDCP 2.2, 4:4:4 colour resolution, High Dynamic Range video support, and CEC/ARC, are all included. 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. With BluOS® 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 Crestron and Control4. Thoughtful features like discrete On and Off codes, direct access to inputs and FM station presets facilitates the integration of the M17 V2 into elaborate remote control systems.

### Customise with AV Presets

The M17 V2'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 V2 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 V2 also remembers your last used settings when switched in and out of Standby mode.

## Complete and Compact

The M17 V2 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 one or more of our M27 Seven Channel Power Amplifiers with the latest advancement in HybridDigital™ amplification. The M17 V2 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 V2 will be the dream command centre of your home cinema.

\*Note: The M17 V2 will include a license for Dirac Live Full Frequency. A firmware upgrade may be required to enable Dirac Live. Check the package for more information on how to perform a firmware update and upgrade Dirac Live.

## Specifications M17 V2

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### CONNECTIONS

HDMI	Up to 4K UHD
Coaxial	0.5 Vpp
Ethernet	RJ45 10/100/1000 Ethernet

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### LINE LEVEL INPUT

Input Impedance (R and C)	56k $\Omega$ + 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	$\pm$ 0.3dB (ref. 20Hz - 20kHz, Tone Active) $\pm$ 0.3dB (ref. 20Hz - 20kHz, Tone Defeat)
Frequency Response (subwoofer out)	10 - 200Hz (ref. -3dB)

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### OUTPUT

XLR	>2Vrms
Maximum output level	>8Vrms into 600 $\Omega$
THD (CCIF IMD, DIM 100)	<0.005% (ref. 20Hz - 20kHz, 2V out)
Tone Controls	Treble $\pm$ 10dB at 10kHz (ref. 2V in, 2V out) Bass $\pm$ 10dB at 100kHz (ref. 2V in, 2V out)

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### GENERAL

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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