

AV8801

11.2ch AV Pre-Amplifier



marantz®



AV Pre-amp with State-of-the-Art Audio & Video Playback Technologies

For the ultimate music and home theater surround sound experience, the Marantz AV8801 AV pre-amplifier is packed with the latest state-of-the-art audio and video technologies, including the highest resolution audio formats such as Dolby TrueHD and DTS HD Master Audio. As well, the AV8801 features the ability to expand beyond conventional 5.1 and 7.1 channel configurations, thanks to the inclusion of DTS Neo:X and Audyssey DSX technology, which provides up to 11.2 channel playback, with additional front width and front height channels for the most immersive surround sound experience you've ever heard. The video section features a host of video inputs, with a sophisticated video processor that provides upconversion from standard definition (SD) and high definition (HD) video to the latest Ultra High Definition (4K) format (3840x2160 pixels) for full compatibility with next generation Ultra High Definition (4K) displays. There are 7 HDMI inputs and 3 HDMI outputs, with dual HDMI outputs for the main zone that outputs the same signal to two displays, such as a flat panel TV and a front projector. A third HDMI output lets you enjoy another program in another room. Equipped with Audyssey MultEQ XT32, the AV8801 automatically configures key acoustical parameters and optimizes total system response. Full networking functionality includes 4 Ethernet ports along with available iOS and Android mobile control apps.

Audio/Video Quality

- 11.2 channel dedicated A/V pre-amplifier
- 11.2 channel enhanced surround processing with Audyssey DSX and DTS Neo:X
- Current feedback & HDAM pre-amplifier circuitry with massive power supply by full shielded toroidal transformer for superior sound
- 4K video support (pass through and GUI overlay)
- 4K (3840 × 2160) upscaling via HDMI
- New smoothest diagonal edge video interpolation
- Audyssey MultEQ XT32 and Audyssey Sub EQ HT Dual subwoofer EQ processing for optimum room acoustic calibration
- Audyssey LFC solves the problem of low frequency sounds disturbing people in adjacent rooms
- Supports 192 kHz high resolution network audio (WAV 192 kHz/24-bit, FLAC 192 kHz/24-bit, ALAC 96 kHz/24 bit)
- Gapless audio playback

Connectivity, Flexibility & Expandability

- AirPlay: Stream music from your iPad, iPhone or iPod touch or from your iTunes music library
- Networking: Stream internet radio, Pandora, SiriusXM internet radio, Spotify, as well as music and photos over the home network

- Includes an Ethernet hub (4 ports) for easy connection to network devices on your home network
- Bluetooth wireless connectivity (M-XPort) via optional RX-101 adaptor
- 11.2ch XLR balanced preoutputs
- Front HDMI port supports MHL™ (Mobile High Definition Link) for viewing smartphone content on your HDTV
- 2 ports (front, rear selectable) USB input direct digital play for iPod, iPhone and USB drives
- 7 (front: 1) /3 HDMI In/Out
 - Pass through in standby mode
 - Dual HDMI outputs allows two connected display devices (e.g. TV and projector) and outputs the same source simultaneously
 - Zone4 HDMI output allows a different source to be output to another room
- Supports HDMI (3D, ARC, Deep Color, "x.v.Color", Auto Lip Sync, 4K, and HDMI control function)
- Audyssey Dynamic EQ & Dynamic Volume
- 3/2 (gold plated) Component In/Out
- 2/2 Optical/Coaxial (gold plated) Digital In
- Headphone output
- HD Radio (AM/FM) tuner built-in
- 7 Audio inputs (incl. front input) and an output (gold plated)
- Phono input (gold plated)
- XLR balanced audio input

Ease of Use

- Improved System Setup with menu assist
- Rich overlay GUI with English, French, or Spanish
- New LCD Learning Remote control
- Mobile App control with advanced media browsing (iOS & Android)

Additional Features

- InstaPrevue provides live picture-in-picture of connected HDMI sources
- 4 source 4 zone capability
- RS232C control (AMX/Crestron command)
- Control4 certified (IP control)
- Assignable DC trigger (+12 V, 150 mA x 2)
- Audyssey Installer Ready

Marantz Audio Advantages

- Hybrid PLL jitter reducer for accurate audio clock
- M-DAX (Marantz Dynamic Audio eXpander)
- 192 kHz/32-bit audio DACs for all channels
- High grade build quality with 3 piece top cover
- Copper plated chassis

because music matters

Specifications

Audio Section

Analog

Input sensitivity/Input impedance

Unbalanced input: 200 mV/47 k ohm

Balanced input: 400 mV/94 k ohm

Frequency response: 10 Hz – 100 kHz — +1, –3 dB (DIRECT mode)

S/N: 105 dB (IHF–A weighted, DIRECT mode)

Distortion: 0.005 % (20 Hz – 20 kHz) (DIRECT mode)

Rated output: Unbalanced pre-output: 1.2 V

Balanced pre-output: 2.4 V

Digital

D/A output: Rated output — 2 V (at 0 dB playback)

Total harmonic distortion — 0.008 % (1 kHz, at 0 dB)

S/N ratio — 102 dB

Dynamic range — 100 dB

Digital input: Format — Digital audio interface

Phono equalizer (PHONO input)

Input sensitivity: 2.5 mV

RIAA deviation: ±1 dB (20 Hz to 20 kHz)

S/N: 74 dB (A weighting, with 5 mV input)

Rated output: 150 mV

Distortion factor: 0.03 % (1 kHz, 3 V)

Video Section

Standard video connectors

Input/output level and impedance: 1 Vp-p, 75 ohm

Frequency response: 5 Hz – 10 MHz 0, –3 dB

Color component video connector

Input/output level and impedance:

Y signal — 1 Vp-p, 75 ohm

PB signal — 0.7 Vp-p, 75 ohm

PR signal — 0.7 Vp-p, 75 ohm

Frequency response: 5 Hz – 60 MHz 0, –3 dB

Tuner Section

[FM]

(Note: μV at 75 ohm, 0 dBf = 1×10^{-15} W)

Receiving Range: 87.5 MHz – 107.9 MHz

Usable Sensitivity: 1.5 μV (14.8 dBf)

S/N: MONO 78 dB (IHF–A weighted, DIRECT mode)

STEREO 68 dB (IHF–A weighted, DIRECT mode)

HD 85 dB

Total harmonic Distortion (at 1 kHz):

MONO 0.1 %

STEREO 0.2 %

HD 0.02 %

[AM]

Receiving Range: AM: 530 kHz – 1710 kHz

Usable Sensitivity: 20 μV

S/N: HD 85 dB

Total harmonic Distortion (at 1 kHz): HD 0.02 %

General

Power supply: AC 120 V, 60 Hz

Power consumption: 90 W

0.2 W (Standby mode)

0.5 W (CEC standby mode)

5.1 W (network standby mode)

Dimensions (W x H x D):

17 21/64" x 7 9/32" x 15 21/64"

440.0 x 185.0 x 389.3 mm

Weight: 30 lbs 10 oz, 13.9 kg

Technology



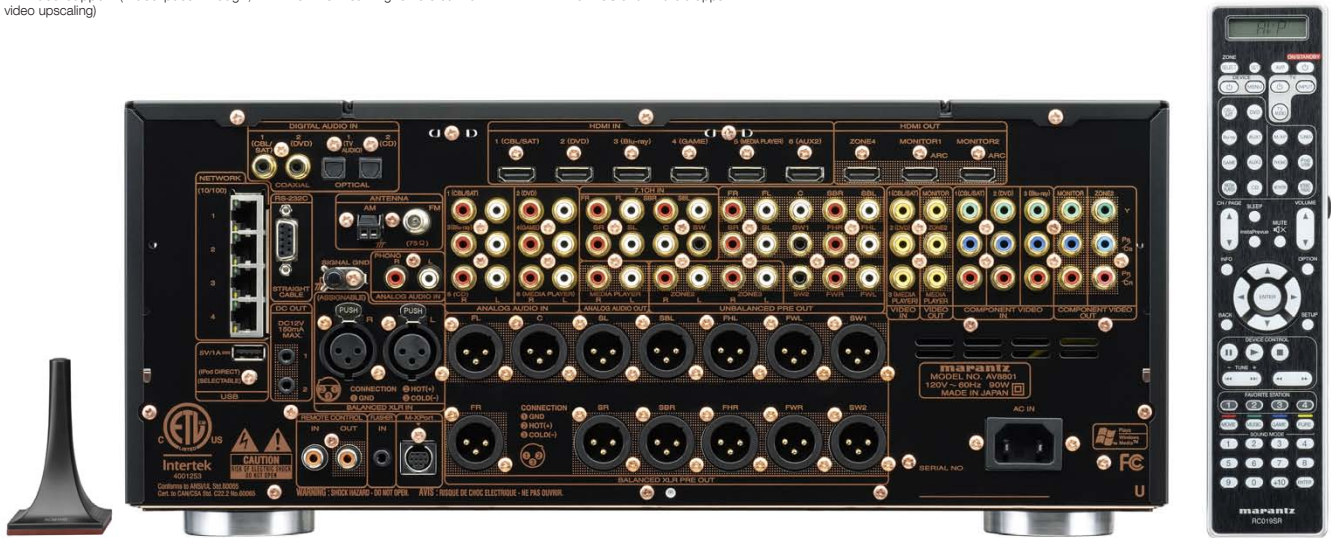
4K video support (Video pass through, video upscaling)



New LCD learning remote control



New iOS and Android apps



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