

AV7701

7ch AV Pre-Amplifier



marantz®



7.2 Channel 4K & 3D Video Pass Through, Networking A/V Pre-amplifier with Apple AirPlay®

Designed to be the heart of the ultimate music and home theater system, the Marantz AV7701 A/V pre-amplifier is packed with the latest digital audio, digital video and networking technologies that will open up new heights in music and movie surround enjoyment. Equipped with the latest high resolution decoders, including Dolby TrueHD and DTS HD-Master Audio, the AV7701 also includes high resolution decoding (up to 192 kHz/24 bit) for high definition audio files such as FLAC and WAV, along with internet radio services including SiriusXM Internet Radio and Pandora. For optimum sound quality, Audyssey MultEQ XT room acoustic correction precisely tailors the audio to match your speakers and your room, and the AV7701 features Audyssey DSX processing for expanded front height or front width reproduction. Apple AirPlay function provides wireless streaming of your music from your iPod touch®, iPhone®, iPad® or iTunes® library. The advanced video processor supports 4K (3840 x 2160) upconversion, video pass through and graphic user interface overlay. Connectivity options abound, including seven HDMI inputs and three HDMI outputs, making the AV7701 a perfect choice for your dream music and home theater system.

Audio/Video Quality

- 7.2 channel dedicated pre-amplifier
- Current feedback & HDAM pre-amplifier circuitry
- 4K video support (path through and GUI overlay)
- 4K (3840 x 2160) upscaling via HDMI
- 1080 p/24 Hz upscaling via HDMI
- 3D pass through technology for enjoying 3D video entertainment with dynamic surround sound
- Audyssey DSX for front height or front wide effects channels for a more immersive surround experience

Connectivity, Flexibility & Expandability

- Airplay: Stream music from your iPad, iPhone or iPod touch or from your iTunes music library
- Networking: Stream internet radio, Pandora, SIRIUS XM, as well as music and photos over the home network
- Bluetooth wireless connectivity (M-XPoort) via optional RX-101 adaptor
- 7.2 channel XLR balanced pre-outputs
- Gold plated 7.2 channel unbalanced pre-outputs
- Front Panel USB Input Direct digital play for iPod, iPhone and USB drives

- 7 (front: 1) / 3 HDMI In/Out
 - Simultaneous dual outputs allows two video devices connected and output same source simultaneously
 - CEC (Control)
 - ARC (Audio Return Channel)
 - Standby source setting via HDMI control
 - Auto Lip Sync.
 - Deep Color, "x.v.Color"
 - Pass through in standby mode
 - Zone2 HDMI output allows different source for zone2
- Audyssey MultEQ XT room acoustic correction
- Audyssey Dynamic EQ & Dynamic Volume
- 3/1 (gold plated) Component In/Out
- 4 (front: 1) / 3 (gold plated) Composite In/Out
- 2/2 Optical/Coaxial (gold plated) Digital In
- Headphone output
- HD Radio (AM/FM) and FM Tuner
- 56 Tuner Presets
- 6 Audio inputs (incl. front input) and an output (gold plated)
- Phono input (gold plated)
- 7.1 ch Input (gold plated)

Ease of Use

- Improved System Setup with menu assist
- Rich overlay GUI with English, French, or Spanish
- New LCD Learning Remote control

- Auto Power Off
- Mobile App control with advanced media browsing. (iOS & Android)

Additional Features

- Amplifier assignment for 7.2 ch (SB ch), 5.2 ch + Front Height, 5.2 ch + Front Wide, 5.2 ch + Bi-Amp, 5.2 ch + zone, or 5.2 ch + Front B
- Selectable zone component monitor, Zone 2 composite monitor, and Zone 2 HDMI monitor
- 3 source Zone 3 capability
- IR Flasher In
- RS232C control (AMX/Crestron command)
- C4 certified (IP)
- Assignable DC trigger (+12 V, 150 mA x 2)
- Audyssey Installer Ready
- Aluminum front panel with trap door and aluminum knobs

Marantz Audio Advantage

- Hybrid PLL jitter remover for accurate audio clock generator
- Pure Direct / Source Direct
- M-DAX (Marantz Dynamic Audio eXpander)
- 192 kHz/24-bit Audio DACs
- DSD to PCM conversion playback capability

because music matters

Specifications

Audio Section

Analog

Input sensitivity/Input impedance: 200 mV/47 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: 60 W
0.2 W (Standby mode)
0.5 W (CEC standby mode)
2.7 W (network standby mode)
Dimensions (W x H x D):
17 21/64" x 7 23/64" x 15 63/64"
440 x 187 x 406 mm
Weight: 21 lbs 9 oz, 9.8 kg

Technology



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



Three HDMI outputs (2 main, 1 Zone2)



New LCD learning remote control



Stream music from your iPad, iPhone or iPod touch or from your iTunes music library.



New iOS and Android apps



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