

# 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 × 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, SIRI-US XM, as well as music and photos over the home network
- Bluetooth wireless connectivity (M-XPport) 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:  $\mu\text{V}$  at 75 ohm, 0 dBf =  $1 \times 10^{-15}$  W)  
 Receiving Range: 87.5 MHz – 107.9 MHz  
 Usable Sensitivity: 1.5  $\mu\text{V}$  (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  $\mu\text{V}$   
 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



Made for



iPod iPhone



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



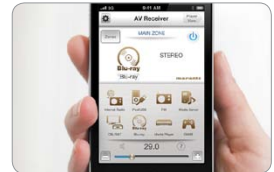
Three HDMI outputs (2 main, 1 Zone2)



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



\*Dolby, Pro Logic, and the double-D symbol are registered trademarks of Dolby Laboratories. \*DTS, DTS-HD, the Symbol, & DTS or DTS-HD and the Symbol together are registered trademarks of DTS, Inc. © DTS, Inc. All Rights Reserved. \*The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. \*Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. \*Audyssey MultEQ® XT, Audyssey Dynamic EQ® and Audyssey Dynamic Volume® are registered trademarks of Audyssey Laboratories. \*\*Made for iPod,™ and "Made for iPhone,™" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, or iPhone, may affect wireless performance. \*AirPlay, the AirPlay logo, iPad, iPhone, iPod, iPod classic, iPod nano, iPod shuffle and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. \*\*"x.v.Color" is a trademark of Sony Corporation. \*SIRIUS XM and all related marks and logos are trademarks of Sirius XM Radio Inc. and its subsidiaries. All rights reserved. Service not available in Alaska and Hawaii. \*HD Radio™ and the HD Radio logo are proprietary trademarks of iBiquity Digital Corp.

### ©2012 Marantz America, LLC.

For purposes of improvement, specifications and design are subject to change without notice. All specifications, dimensions and weights are subject to change without notice. D&M Holdings, Marantz, Marantz America, LLC, or any of its subsidiaries will not assume any liability for errors in this spec sheet which may result in consequential errors. Being made by dealers, designers, custom installers, cabinet makers or end users, etc based upon information contained within this document.

1-855-ONE-MARANTZ

1-855-663-6272

Call for Assistance: 9:00AM to 8:00PM M-F E.S.T.

For frequently asked questions please visit [www.marantz.com](http://www.marantz.com)