

marantz®



## AV7706

### 11.2Ch 8K Ultra HD AV Surround Pre-Amplifier with HEOS® Built-in and Voice Control

Featuring 11.2 channel XLR and RCA pre-outs, the Marantz AV7706 supports all 3D audio formats including Dolby Atmos®, Dolby Atmos Height Virtualization, DTS:X®, DTS Virtual:X™, IMAX Enhanced®, and Auro-3D®. Enjoy audio playback with exceptional quality thanks to Marantz-proprietary HDAM modules and extensive audio tuning. Stream from Amazon Music HD, Spotify, TIDAL, Deezer, and more with HEOS® Built-in.

- 11.2 channel XLR pre-out: 11.2 channel RCA pre-out
- Dolby Atmos®, Dolby Atmos Height Virtualization Technology, DTS:X®, DTS Virtual:X™, IMAX® Enhanced, and Auro-3D® processing for exceptional listening
- Marantz proprietary HDAM circuit boards, Current Feedback circuitry, the latest 32-bit D/A converters, and Hybrid PLL Clock Jitter Reducer for more detailed, dynamic sound
- 8K/60Hz and 4K/120Hz pass-through support for every entertainment need: 8 HDMI inputs (incl. 1 front) with full HDCP 2.3 support; 3 HDMI outputs (incl. Zone 2)
- With 8K/60Hz pass-through and upscaling, Dynamic HDR and Quick Media Switching (QMS), enjoy the smoothest, crystal-clear picture quality available
- With 4K/120Hz pass-through, Variable Refresh Rate (VRR), Auto Low Latency Mode (ALLM) and Quick Frame Transport (QFT), experience gaming thrills with amazing imaging, reduced lag and tearing
- The latest HDR format support including HDR10, HDR10+, HLG, Dolby Vision, 4:4:4 colour resolution and BT.2020, as well as Dynamic HDR provides exceptional brightness, clarity, and contrast for miraculous picture quality
- Advanced video processing with analogue to HDMI conversion; SD to HD/8K upscaling
- eARC (Enhanced Audio Return Channel) supports the most advanced surround and object-based audio formats via single HDMI connection between AVRs and compatible TVs
- Stream music from Internet Radio, Spotify Connect, Amazon Music HD, TIDAL, Deezer and more with Bluetooth, AirPlay 2 and HEOS® Built-in
- Built-in Wi-Fi with 2.4GHz/5GHz dual band support
- Enjoy multi-room whole-home audio streaming with HEOS® Built-in technology
- Simply use your voice to control your preferred voice assistant like Amazon Alexa, Google Assistant and Apple Siri
- Decodes ALAC, FLAC and WAV lossless files up to 24-bit/192-kHz; DSD 2.8MHz and 5.6MHz tracks - enjoy your music exactly as the artist intended
- Suite of Audyssey room correction software: Audyssey MultEQ XT32, Dynamic Volume and Dynamic EQ, LFC, and Sub EQ HT
- Third-party integration and IR remote control, RS-232C serial port, and custom install support
- Seamless out-of-the-box experience with Quick Start Guide, guided Setup Assistant, and Marantz AVR Remote App

### Modern Musical Luxury



# AV7706

## Technical Specifications



|   |   |
|---|---|
| <b>Multichannel surround</b>  |   |
| DTS HD Master / DTS:X / DTS:X Pro                                     | •/•/-   |
| DTS Neo:X / DTS Neural:X  | -/•   |
| DTS Virtual:X   | •   |
| IMAX Enhanced   | •   |
| Dolby TrueHD / Dolby Atmos / Dolby Atmos Height Virtualization        | •/•/•   |
| Dolby ProLogic IIz / Dolby Surround                                   | -/•   |
| Auro 3D   | •   |
| Multichannel Stereo   | •   |
| max. number of processing (preamp) channels                           | 11.2  |
| <b>Sound Enhancements</b>   |   |
| Copper plated chassis   | -   |
| Power Transformer: Toroidal / EI                                      | -/•   |
| Current Feedback Topology   | •   |
| Hyper Dynamic Amplifier Modules (HDAM)                                | •   |
| Pure Direct   | •   |
| Gold plated RCA terminals   | •   |
| Clock Jitter Reducer  | •   |
| Audyssey  | MultEQ XT32   |
| Audyssey Dynamic EQ / Dynamic Volume                                  | •/•   |
| Audyssey LFC  | •   |
| Compressed audio Enhancer: MDAX2                                      | •   |
| <b>Network</b>  |   |
| HEOS Multi-room and Streaming   | •   |
| Bluetooth Re-transmit for Bluetooth headphones                        | •   |
| Alexa / Google Voice Assistant / Apple HomePod                        | •/•/•   |
| Network Audio Sharing   | •   |
| Lossy Formats: MP3 / WMA / AAC  | •/•/•   |
| Lossless Formats: FLAC / ALAC / WAV                                   | •/•/•   |
| Lossless formats: FLAC HD 192/24 / WAV 192/24 / ALAC 192/24           | •/•/•   |
| DSD Audio Streaming   | •(2.8/5.6MHz)   |
| FLAC HD 192/24  | •   |
| WAV 192/24  | •   |
| ALAC 192/24   | •   |
| Gapless Playback  | •(FLAC, WAV, ALAC, DSD)   |
| AirPlay Audio Streaming   | •(AirPlay2)   |
| Internet Radio  | •(TuneIn)   |
| Spotify*  | •(connect)  |
| Other Streaming Services *  | Amazon Music HD / Amazon Music<br>TIDAL / Deezer / Napster /<br>Soundcloud / Mood Mix |
| Compatible with Remote APP for Smart Phones                           | Marantz AVR Remote  |
| Compatible with Remote APP for Tablets                                | Android / iOS / Amazon Kindle   |
| Ethernet Ports  | •   |
| Wi-Fi   | •   |
| Bluetooth   | •   |
| <b>HDMI</b>   |   |
| HDMI Inputs: Back / Front   | 7 / 1   |
| HDCP2.3 support   | •   |
| HDMI Outputs: Main / Zone   | 2 / 1   |
| Video Conversion Analogue -> HDMI                                     | •   |
| Analogue to HDMI scaling  | 480/576i up to 8K 60/50   |
| HDMI to HDMI scaling  | up to 8K 60/50  |
| GUI Overlay on HDMI   | •   |
| 8K/60Hz / 4K/120Hz  | •/•   |
| 3D / 4K / CEC / ARC /   | •/•/•/•   |
| Enhanced ARC  | •   |
| HDR / HLG / Dolby Vision / HDR10+ / Dynamic HDR                       | •/•/•/•/•   |
| ALLM (Auto Low Latency Mode) Pass-through for gaming                  | •   |
| Variable Refresh Rate / Quick Flame Transport / Quick Media Switching | •/•/•   |
| 3D signal pass-through  | •   |
| 8K signal pass-through / scaling / GUI overlay                        | •/•/•   |
| 4K signal pass-through / scaling / GUI overlay                        | •/•/•   |
| HDMI pass-through in standby mode                                     | •   |
| Picture adjust / Noise reduction                                      | •/•   |
| CEC   | •   |
| DSD Audio capability  | •   |
| Audio Return Channel  | •   |
| Auto LipSync  | •   |

|   |                        |
|---|------------------------|
| <b>Multiroom / CI</b>   |                        |
| HEOS Built-in   | •                      |
| Multi-Room zones  | 3                      |
| Zone Audio Source: HDMI / Opt. Coax / Network, USB / Analogue | •(2ch) / •(2ch) / •/•  |
| Zone Audio Output: Speaker / Preout                           | -/•                    |
| Zone HDMI Output from HDMI Source                             | •                      |
| IP Control / RS232 Control / Web Control / App Control        | •/•/•/•                |
| IR Flasher In   | •                      |
| Marantz Remote Bus  | •                      |
| DC Trigger Output   | 2                      |
| <b>Others</b>   |                        |
| Auto Speaker Setup by Microphone                              | Audyssey MultEQ XT32   |
| FL Display  | 2 lines + Port Hole    |
| Graphic User Interface - GUI                                  | Advanced               |
| ISF Certification   | •                      |
| GUI Languages   | 9                      |
| Setup Assistant   | •                      |
| Smart Select  | •                      |
| Firmware Update by Network / USB                              | •/•                    |
| Variable Cross Over   | •                      |
| Optimized Bass Redirection                                    | •                      |
| Bass Sync   | •                      |
| ECO Mode  | -                      |
| Auto Power Off  | •                      |
| Sleep Timer   | •                      |
| <b>Video Inputs/Outputs</b>                                   |                        |
| Composite In / Out  | 3+1 / 2                |
| Component In / Out  | 3 / 1                  |
| HDMI In / Out   | 7+1 / 3                |
| Multi-Room Video Out: Video / HDMI                            | •/•                    |
| <b>Audio Inputs/Outputs</b>                                   |                        |
| Analogue In / Out   | 6+1 / -                |
| Phono (MM) In   | •                      |
| Digital In: Optical / Coaxial                                 | 2 / 2                  |
| Multi-Room Out: Analog / Digital                              | 2 / -                  |
| Multichannel Pre Out  | •(11.2 RCA & 11.2 XLR) |
| Subwoofer Out   | 2 (independent)        |
| 7.1 Multichannel Input  | •                      |
| <b>Other</b>  |                        |
| Speaker A / B   | assignable pre out     |
| Bi-amp drive  | assignable pre out     |
| Multi-Room Speaker Terminal                                   | pre out                |
| Front Inputs: Audio / Composite / Digital (Opt) / HDMI / USB  | •/•- / •/•             |
| USB Audio   | •                      |
| <b>General</b>  |                        |
| Metal Front Panel   | •                      |
| System Remote Control   | RC044SR                |
| Pre-Programmed / Learnable / LCD Display                      | • / - / -              |
| Power Consumption in W  | 60                     |
| Power Consumption No-Sound (ECO on / off) in W                | -                      |
| Standby Consumption in W                                      | 0.2                    |
| Maximum Dimensions (W x D x H) in mm                          | 440 x 411 x 185mm      |
| Carton Maximum Dimensions (W x D x H) in mm                   | 537 x 497 x 281mm      |
| Weight in kg  | 10.4                   |
| Carton Weight (incl. product) in kg                           | 13.1                   |

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