



TASCAM[®]
TEAC PROFESSIONAL

PA-R200

Network AV Surround Receiver



The PA-R200 is the flagship of a powerful new line of professional networking A/V receivers from Tascam. As a key component of any installation, the PA-R200 offers full compatibility with all the latest audio and video formats. Eight HDMI inputs support 3D content, HD audio and upscale video to 4K with Marvell's Qdeo™. The latest Dolby® TrueHD and DTS-HD Master Audio™ formats are also supported. Select between surround playback and distributed playback of up to three zones, powered or via pre outputs, to deliver audio to different rooms. Choose from sources like internet radio, network streaming, direct iPod/iPhone playback (including iPhone 5), and connected analogue or digital components. Also included on PA-R200's front panel is an MHL-enabled Aux input that supports smart phone content on HDTV.

First-in-class processing delivers perfected performance with Audyssey 2EQ, Dynamic EQ®, and Dynamic Volume®. Dolby® Pro Logic IIz and Audyssey DSX® expand and add new dimensions to surround sound. DSP gaming modes and zone-independent balance controls enhance your media experience.

Control integration is available with RS-232C, IR input, ethernet, and programmable 12-volt triggers. Other remote options include the "TASCAM AVR Remote" app for iPod touch/iPhone 2 and Android Phone 3 which is available for free. The simple initial setup procedure will have you connected to your network in no time with built-in wireless or LAN, streaming from the cloud, USB storage or your computer. The PA-R200 is a rackmount essential for any ultimate entertainment system installation.

Main Features

- **7.2-channel surround receiver with network function**
- **100 watts per channel at 8 ohms (20 Hz – 20 kHz, 0.08 % THD, 2 channels driven, FTC)**
- **8 HDMI inputs (1 Front, 7 Rear) and 2 outputs**
- **7 analogue audio inputs (1 front, 6 rear)**
- **Pre/Line-output for Powered Zone 2 and Zone 3 to allow distributed audio playback in other rooms**
- **Supports "TASCAM AVR Remote" remote app for iPod touch/iPhone and Android phones**
- **DLNA version 1.5**
- **HDTV-capable (720p/1080i) component video switching (2 inputs, 1 output)**
- **5 Composite Video inputs (1 front, 4 rear) and 1 output**
- **4 Digital Audio inputs (2 optical, 2 coaxial)**
- **2 parallel subwoofer pre outs**

- **7.2 multi-channel pre outputs (including 2 subwoofer pre outputs)**
- **THX® Select2 Plus™ certified**
- **MHL (Mobile High-Definition Link) for smartphone content on HDTV**
- **Audyssey DSX® and Dolby® Pro Logic® IIz for expanded surround channels**
- **HDMI® support for 3D**
- **HDMI video upscaling to 4K with Qdeo™ technology by Marvell**
- **Picture-in-picture input source preview with InstaPrevue™ technology**
- **Direct digital connection of iPod/iPhone via front-panel USB port**
- **TI Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for all channels**
- **Fully discrete output stage circuitry**
- **Playback of audio files through local network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)**
- **Internet radio and cloud music streaming service connectivity (simfy, vTuner, Spotify, AUPEO!)**
- **4 DSP modes for gaming: Rock, Sports, Action, and RPG**
- **Hybrid Standby function to reduce power consumption**
- **2 USB ports (1 front, 1 rear)**
- **Mass Storage Class USB memory playback capability**
- **Audyssey 2EQ® for room acoustic correction**
- **Audyssey Dynamic EQ® for loudness correction**
- **Audyssey Dynamic Volume® to maintain optimal listening level and dynamic range**
- **Independent Bass/Treble/Balance controls for zone 2**
- **40 FM/AM random presets**
- **Whole house mode**
- **Smart grid ready**
- **3 programmable 12-volt triggers (with adjustable delay)**
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Specifications

Amplifier section	
Rated output power, all channels	7 ch × 160 W at 6 ohms, 1 kHz, 1 ch driven of 1% (IEC)
Dynamic power (IEC60268 short-term maximum output power)	240 W (3 Ohm, Front) 210 W (4 Ohm, Front) 120 W (8 Ohm, Front)
THD+N	0.08% (20 Hz – 20 kHz, half power)
Damping factor	60 (Front, 1 kHz, 8 Ohm)
Input sensitivity and impedance (unbalanced)	200 mV/47 kOhm (LINE)
Rated RCA output level and impedance	200 mV/2.2 kOhm (LINE OUT)
Maximum RCA output level and impedance	2 V (LINE OUT)
Frequency response	5 Hz – 100 kHz, +1 dB, –3 dB (DSP bypass)
Tone controls	±10 dB, 30 Hz (BASS) ±10 dB, 20 kHz (TREBLE)
Signal-to-noise ratio	106 dB (LINE, IHF-A)
Speaker impedance	4–16 Ohm

Video section	
Input sensitivity/output level and impedance	1 Vpp/75 Ohm (Component Y) 0,7 Vpp/75 Ohm (Component P _B /C _B , P _R /C _R) 1 Vpp/75 Ohm (Composite)
Component video frequency response	5 Hz – 100 MHz, +0 dB, –3 dB

Tuner section	
FM tuning frequency range	87,5 MHz – 108,0 MHz, RDS
AM tuning frequency range	522/530 kHz – 1611/1710 kHz
Preset channels	40

Inputs and outputs	
HDMI	
Inputs	8 (IN 1, IN 2, IN 3, IN 4, IN 5, IN 6, IN 7, AUX INPUT)
Outputs	2 (OUT MAIN, OUT SUB)
Video resolution	1080p
Audio format	Dolby TrueHD, DTS-HD Master Audio, DVD-Audio, DSD
Supported technologies	3D, Audio Return Channel, DeepColor, x.v.Color, LipSync, CEC (RIHD)
Video	
Component inputs	2 (Component IN 1, IN 2)
Composite inputs	Composite IN 1, IN 2, IN 3, IN 4, USB
Component output	1 (OUT)
Composite output	MONITOR OUT
Audio inputs	
Digital, optical	2
Digital, coaxial	2
Analogue	BD/DVD, CBL/SAT, GAME, PC, TV/CD
Audio outputs	

Analogue	ZONE2 PRE/LINE OUT, ZONE3 PRE/LINE OUT
Multi-channel pre outputs	7 (L, R, C, SL, SR, SBL or FHL, SBR or FHR)
Subwoofer pre outputs	2
Speaker outputs	Main (L, R, C, SL, SR, SBL/FHL, SBR/FHR) + ZONE2 (L, R)
Headphones output	1 (6,3-mm stereo phone jack)

Other inputs and outputs

Setup microphone	1
RI	1
RS-232C	1
USB	1 (Front)/1 (Rear)
Ethernet	1
IR inputs/output	2/1
12-volt trigger outputs	A, B, C

Power supply and other specifications

Power supply	AC 230 V, 50 Hz
Power consumption	620 W
Power consumption, no sound	80 W
Power consumption, standby	0,2 W
Dimensions (W × H × D)	482 mm × 174 mm × 328 mm (including rack-mounting brackets)
Weight	12 kg

Design and specifications subject to change without notice.

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