



Android apps screenshots

**TASCAM**<sup>®</sup>  
**TEAC PROFESSIONAL**

## PA-R100

### Network AV Surround Receiver



The PA-R100 introduces a powerful new line of professional networking A/V receivers from Tascam. As a key component of any installation, the PA-R100 offers full compatibility with today's audio and video formats. Seven 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 zone playback 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.

First-in-class processing delivers perfected performance with Audyssey 2EQ, Dynamic EQ®, and Dynamic Volume®. Dolby® Pro Logic IIz can expand stereo sources and 5.1 soundtracks to include additional front height channels. 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-R100 is a rackmount essential for any ultimate entertainment system installation.

#### Main Features

- **5.2-channel surround receiver with network function**
- **80 watts per channel at 8 ohms (20 Hz – 20 kHz, 0.08 % THD, 2 channels driven, FTC)**
- **7 HDMI inputs and 1 output**
- **6 analogue audio inputs (1 front, 5 rear)**
- **Pre/Line-output for Zone 2 allows distributed audio playback in another room**
- **Surround Back or Front High pre output**
- **HDMI® support for 3D**
- **HDMI video upscaling to 4K with Qdeo™**
- **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**
- **4 DSP modes for gaming: Rock, Sports, Action, and RPG**
- **Hybrid Standby function to reduce power consumption**

- **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!)**
- **Supports "TASCAM AVR Remote" app for iPod touch/iPhone and Android phones**
- **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)**
- 
- 

## Specifications

<b>Amplifier section</b>	
Rated output power, all channels	5 ch × 130 W at 6 ohms, 1 kHz, 1 ch driven of 1% (IEC)
Dynamic power (IEC60268 short-term maximum output power)	180 W (3 Ohm, Front) 160 W (4 Ohm, Front) 100 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, 50 Hz (BASS) ±10 dB, 20 kHz (TREBLE)
Signal-to-noise ratio	100 dB (LINE, IHF-A)
Speaker impedance	6–16 Ohm
<b>Video section</b>	
Input sensitivity/output level and impedance	1 Vpp/75 Ohm (Component Y) 0,7 Vpp/75 Ohm (Component P <sub>B</sub> /C <sub>B</sub> , P <sub>R</sub> /C <sub>R</sub> ) 1 Vpp/75 Ohm (Composite)
Component video frequency response	5 Hz – 100 MHz, +0 dB, –3 dB
<b>Tuner section</b>	
FM tuning frequency range	87,5 MHz – 108,0 MHz, RDS
AM tuning frequency range	522/530 kHz – 1611/1710 kHz
Preset channels	40
<b>Inputs and outputs</b>	
<b>HDMI</b>	
Inputs	7 (IN 1, IN 2, IN 3, IN 4, IN 5, IN 6, IN 7)
Outputs	1 (OUT)
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)
<b>Video</b>	
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
<b>Audio inputs</b>	
Digital, optical	2
Digital, coaxial	2
Analogue	BD/DVD, CBL/SAT, GAME, PC, TV/CD
<b>Audio outputs</b>	
Analogue	ZONE2 PRE/LINE OUT
Surround back/front high pre outputs	2 (SBL/FHL, SBR/FHR)
Subwoofer outputs (pre outputs)	2
Speaker outputs	Main (L, R, C, SL, SR)
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	400 W
Power consumption, no sound	60 W
Power consumption, standby	0,2 W
Dimensions (W × H × D)	482 mm × 174 mm × 328 mm (including rack-mounting brackets)
Weight	10 kg

Design and specifications subject to change without notice.

Last modified: 2014-12-04 09:41:01 UTC