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AV7005 Networking AV Preamp/Processor

The new Marantz AV7005 preamp/processor delivers pace-setting iPod compatibility and streaming media capability in a DLNA 1.5 compliant audio/video preamp that boasts WiFi APP control and stunning cosmetics. A state-of-the-art digital front end allows the AV7005 to draw audio content from any connected PC, the internet, iPods, USB hard disc drives, and more. The audio circuitry in the AV7005 represents a significant performance upgrade over the that of the SR7005; a Dedicated Preamp Subassembly replaces the SR's multichannel power amplifier and features a rock-solid regulated power supply with custom wound transformer. All channels feature magnetically actuated, gold plated relays for superior channel separation and near zero crosstalk, while a symmetrical HDAM layout offers an enhanced soundstage and pin-point image localization. The AV7005 delivers the kind of audiophile-grade sound reproduction that makes it a welcome addition to any very high quality home theater.

AUDIO/VIDEO CONNECTIONS

- 7.1 Channel Dedicated Preamp/Processor
- AM/FM/HD Radio, Sirius-Ready Tuner
- 56Tuner Presets: Group A-G: each 8 channels
- 6 RCA Analog inputs
- 3 Optical, 2 Coaxial SPDIF Digital Inputs
- 4/1 HDMI ver.1.4a In/Out
CEC (Control)
ARC(Audio Return Channel)
HDMI In Stand By
Auto Lip Sync.
Deep Color, x.v.Color
Pass through in Standby mode
- 7.1ch Inputs
- 7.2ch Preamp Out - support for 2 SUB Out
- 3/1 Component In / Out
- 4/1 Composite In / Out
- Assignable HDMI / Component inputs
- 3 audio zones and 2 video zones
- Headphone Out

ADVANCED CONNECTIONS

- Front USB input for digital iPod Connection
- Bluetooth Wireless Audio Transmission Capability
- External IR Receiver, DC Trigger supported
- RC-5 and RS232C supported

AUDIO/VIDEO PROCESSING

- ANALOG DEVICES: SHARC 32-bit Processor
- Dolby: True HD/Digital Plus&EX/Pro Logic IIz, IIx
- Dolby: II/Virtual Speaker/Headphone
- DTS: HD Master&High Res. Audio/ES/96/24/
- DTS: Discrete&Matrix6.1/Neo:6/Express
- DTS Neural Surround
- Multi Ch Stereo
- Audyssey MultEQ XT Auto Calibration w/ MIC
- Audyssey MultEQ XT Pro (option)
- Audyssey Dynamic EQ / Dynamic Volume
- 9 Band EQ, -20dB - +6dB
- Independent Crossover Setting for each speaker
- Lip-sync (digital audio delay) 0-200 msec
- Volume Control Setting: Limit, Power On Vol
- Mute Level, Display type(dB or 0-99)
- OSD output through HDMI
- Composite/Component to HDMI scaling up to 1080p
- Composite to Component Analog up conversion
- HDMI to HDMI scaling
- Assignable HDMI, Component inputs
- OSD Overlay on HDMI Output
- Anchor Bay 10-bit Video Processing/Scaling

NETWORK FEATURES

- Ethernet port
- WEB Interface
- IP-based control, system backup/restore
- DLNA1.5 certified
- Stream audio and photos from all PC's on home network
- vTuner Internet Radio w/ 14000 pre-loaded stations
- Stream audio and photos from Internet:
Rhapsody
Pandora
Napster
Flicker

USER CONFIGURABLE FEATURES

- Input Level Adjust
- Input Assign (Component In/Digital In)
- Input Rename
- Input Skip
- On Screen Display (TEXT)
- Display Status Info.
- Software Upgradable

MARANTZ AUDIO ADVANTAGE

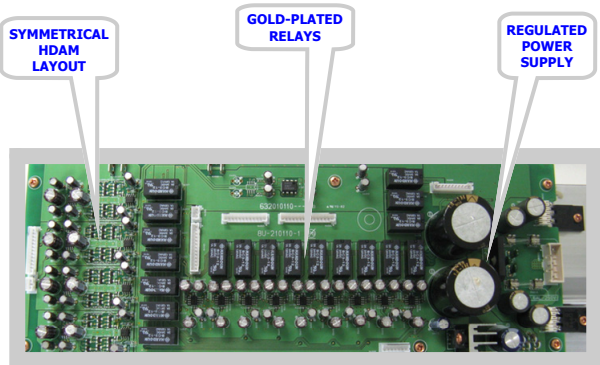
- All-discrete, balanced preamp/processor outputs
- Hyper Dynamic Amplifier Modules (HDAM)
- Ultra-Quiet, Linear Power Supply
- Copper Shielded EI Core Power Transformer
- Pure Direct / Source Direct
- M-DAX (Marantz Dynamic Audio eXpander)
- 192kHz/24-bit Audio DACS

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Audio Section	
• Analog	
Input sensitivity/Input impedance:	200 mV/47 kΩ
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 — REC OUT)	
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 Ω
Frequency response:	5 Hz – 10 MHz — +1, -3 dB
• Color component video connector	
Input/output level and impedance:	Y (brightness) signal — 1 Vp-p, 75 Ω PB / CB signal — 0.7 Vp-p, 75 Ω PR / CR signal — 0.7 Vp-p, 75 Ω
Frequency response:	5 Hz – 60 MHz — +0, -3 dB (when "Video Convert" set to
Tuner Section	
	[FM] [AM]
	(Note: μV at 75 Ω, 0 dBf = 1 x 10 ⁻¹⁵ W)
Receiving Range:	87.5 MHz – 107.9 MHz
Usable Sensitivity:	1.5 μV (14.8 dBf)
S/N (IHF-A):	MONO 78 dB STEREO 68 dB HD 85 dB
Total harmonic Distortion (at 1 kHz):	MONO 0.1 % STEREO 0.2 % HD 0.02 %
General	
Power supply:	AC 120 V, 60 Hz
Power consumption:	60 W 0.2 W (Standby) 4.0 W (CEC standby)
Maximum external dimensions:	440 (W) x 187 (H) x 395(D) mm
Weight:	10.1 kg
Remote Control Unit:	(RC011SR)
Batteries:	R03/AAA Type (two batteries)
For purposes of improvement, specifications and design are subject to change without notice.	



AV 7005 Dedicated Preamp Subassembly



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