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## AV7005 Networking AV Preamp/Processor

The new Marantz AV7005 preamplifier/processor delivers pace-setting iPod compatibility and streaming media capability in a DLNA 1.5 compliant audio/video preamplifier 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 Preamplifier 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 Preamplifier
- 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

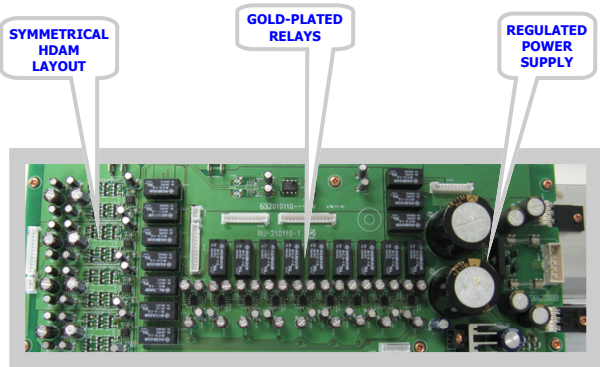
### MARANTZ AUDIO ADVANTAGE

- All-discrete, balanced preamplifier 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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<b>Audio Section</b>		<b>Video Section</b>	
• Analog		• Standard video connectors	
<b>Input sensitivity/Input impedance:</b>	200 mV/47 kΩ	<b>Input/output level and impedance:</b>	1 Vp-p, 75 Ω
<b>Frequency response:</b>	10 Hz – 100 kHz — +1, –3 dB (DIRECT mode)	<b>Frequency response:</b>	5 Hz – 10 MHz — +1, –3 dB
<b>S/N:</b>	105 dB (IHF–A weighted, DIRECT mode)	• Color component video connector	
<b>Distortion:</b>	0.005 % (20 Hz ~ 20 kHz) (DIRECT mode)	<b>Input/output level and impedance:</b>	Y (brightness) signal — 1 Vp-p, 75 Ω
<b>Rated output:</b>	Unbalanced pre-output: 1.2 V		PB / CB signal — 0.7 Vp-p, 75 Ω
<b>Balanced pre-output:</b>	2.4 V		PR / CR signal — 0.7 Vp-p, 75 Ω
• Digital			
<b>D/A output:</b>	Rated output — 2 V (at 0 dB playback) Total harmonic distortion — 0.008 % (1 kHz, at 0 dB)	<b>Frequency response:</b>	5 Hz – 60 MHz — +0, –3 dB (when “Video Convert” set to
	S/N ratio — 102 dB	<b>Tuner Section</b>	[FM] [AM]
	Dynamic range — 100 dB		(Note: μV at 75 Ω, 0 dBf = 1 x 10 <sup>-15</sup> W)
<b>Digital input:</b>	Format — Digital audio interface		
• Phono equalizer (PHONO input — REC OUT)		<b>Receiving Range:</b>	87.5 MHz – 107.9 MHz
<b>Input sensitivity:</b>	2.5 mV	<b>Usable Sensitivity:</b>	1.5 μV (14.8 dBf)
<b>RIAA deviation:</b>	±1 dB (20 Hz to 20 kHz)	<b>S/N (IHF-A):</b>	MONO 78 dB
<b>S/N:</b>	74 dB (A weighting, with 5 mV input)		STEREO 68 dB
<b>Rated output:</b>	150 mV		HD 85 dB
<b>Distortion factor:</b>	0.03 % (1 kHz, 3 V)	<b>Total harmonic Distortion (at 1 kHz):</b>	MONO 0.1 %
			STEREO 0.2 %
			HD 0.02 %
			0.02%
		<b>General</b>	
		<b>Power supply:</b>	AC 120 V, 60 Hz
		<b>Power consumption:</b>	60 W
			0.2 W (Standby)
			4.0 W (CEC standby)
		<b>Maximum external dimensions:</b>	440 (W) x 187 (H) x 395(D) mm
		<b>Weight:</b>	10.1 kg
		<b>Remote Control Unit</b>	(RC011SR)
		<b>Batteries:</b>	R03/AAA Type (two batteries)
		<b>For purposes of improvement, specifications and design are subject to change without notice.</b>	



AV 7005 Dedicated Preamp Subassembly



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All specifications, dimensions and weights are subject to change without notice.  
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