

Audio Video Controller

AVC-2500u

Parasound's AVC-2500u is the refined audio video controller to meet all your feature needs, and it is easy to use! With a THX Ultra certification, the AVC-2500u utilizes three ultra-clean, ultra-fast 24-bit processors to decode Dolby Digital, Dolby Prologic and DTS signals along with music surround. For easy set up, a premium microphone is included so the AVC-2500u can automatically calibrate speaker levels and delays for you. For radio listeners, a tuner is included with twelve additional source inputs that can be custom labeled and assigned dedicated surround sound modes. One touch of the DVD button on your back-lit remote control and the AVC-2500u already knows to play Dolby Digital! Better yet, use one of the four macros on the learning remote to turn everything on and press play with one button touch. Your home theater will sound better and be easier to operate than ever before.



Features

- Full 24-bit processing using three Motorola 56009 processors
- Dolby Digital, DTS, Dolby Surround processing
- Lucasfilm Home THX Ultra certification
- Proprietary bass management eliminates smear and distortion
- Independent dual zone control of audio and video systems
- 100% automatic calibration of channel levels and delay times
- Calibration microphone included
- Ramp up of volume after turn on/ Ramp down for sleep mode
- Automatic digital audio and video input selection
- Intelligent on-screen display and status window
- Reference quality FM/AM stereo tuner with 20 presets
- Discrete analog line drive stages
- State of the art Military spec. four layer circuit boards
- Automatic A/D Overload attenuation to prevent distortion

- Composite video, S-video, and component video switching
- Two assignable component video inputs, one component video output
- Six audio inputs with two record outputs
- Six audio video inputs with composite and S-video connectors
- 8 digital inputs and 2 digital outputs
- Digital inputs and surround modes are assignable to sources
- User selectable name for each source
- External analog 5.1 inputs assure forward compatibility
- External IR input jacks for main and second zone
- 2 programmable 12v triggers and audio trigger jack
- RS-232 Control port for computer controlled integration systems
- Input connection for optional external RF Demodulator
- Illuminated, eight source learning remote control with 4 macros
- 3 rack space height front panel



PARASOUND

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Parasound's AVC-2500u is the flexible control center at the heart of some of the finest audio/video systems in the world. Pick from thirteen possible sources in two different zones. A high fidelity tuner is included with six additional audio inputs and six audio/video inputs. Two component video inputs can be assigned to any video source, or use either the SVideo or Composite video input. Have digital equipment? No problem, the AVC-2500u has eight digital inputs and two digital outputs. IR inputs and outputs are available for control in other rooms, as well as an RS-232 port for home automation systems. With over 90 connections on the back panel, you are sure to have all the flexibility you need. If all that isn't enough, the AVC-2500u sounds amazing too!



AVC-2500u Specifications

Frequency response: front 10 Hz - 24 kHz; rear 10 Hz - 24 kHz;
center (small or THX) 80 Hz - 24 kHz; center (large) 10 Hz - 24 kHz;
subwoofer 10 Hz - 80 Hz
Harmonic distortion: front < 0.006%; center < 0.006%;
rear < 0.005%; subwoofer < 0.006%
Input impedance: all inputs 10 k Ω
IM distortion: < 0.06 % all channels
S/N ratio (a-weighted): front 97 dB; center 97 dB;
surround 85 dB; subwoofer 96 dB
Video section: sensitivity 1 V \pm 0.5 dB;
frequency response 0.3 MHz - 10 MHz \pm 1 dB; overload 2.5V P-P
Dimensions: 17-1/4" w x 5-7/8" h x 13" d, 5-1/4" h without feet
Net weight: 16 lb.

Tuner Specifications

Tuning range: FM: 87.5 - 108 MHz; AM: 520 kHz - 1610 kHz
FM sensitivity: Mono IHF 11 dBf;
Stereo: IHF 37 μ V for 50 dB of quieting
AM sensitivity: IHF 10 μ V/m
S/N ratio: > 74 dB Stereo; 65 dB IHF-weighted
FM stereo separation: 50 dB @ 1 kHz; 40 dB @ 10 kHz
Selectivity: FM 80 dB; AM 30 dB
FM frequency response: 30 Hz - 15 kHz, \pm 1 dB
AM frequency response: 20 Hz - 4.5 kHz, \pm 1 dB
Total harmonic distortion: FM mono < 0.08%; FM stereo < 0.2%;
AM < 0.5%
Capture ratio: 1 dB
AM suppression: 60 dB



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