

# M8-AV-PRO

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## HOME THEATER POWER MANAGEMENT

AC power, telephone and coax lines can provide direct pathways for surges and spikes to enter and damage expensive audio/video equipment. M8-AV-PRO eliminates voltage irregularities & protects your AV system.

### 1 REDUCES CROSS-CONTAMINATION BETWEEN COMPONENTS









The M8-AV-PRO is designed to provide noise isolation between the two isolated outlet banks so that any noise created by an A/V component in one bank cannot contaminate the power to the equipment that is plugged into the other outlet bank.

### 2 MONITORS INCOMING LINE VOLTAGE

Panamax's patented AVM circuitry continuously monitors the incoming line voltage and disconnects your equipment in the event of an over voltage or undervoltage (brownout). Power is automatically reconnected when voltage returns to a safe level, eliminating service calls or system downtime

### 3 IMPROVES PICTURE & SOUND QUALITY

The M8-AV-PRO's Power Cleaning and Premium Filtration eliminate common symptoms of contaminated power (including loss of detail, hisses, hums and visual artifacts) and allows your A/V equipment to perform up to its full capability.

-  **Premium Filtration**  
Improves Picture & Sound. Provides clean power by filtering out noise common to household power.
-  **Cable/Sat Protection**  
Protects equipment from electrical surges that travel over cable, satellite and antenna lines.
-  **Telephone line protection**  
Protects equipment from electrical surges that travel over telephone lines.
-  **AVM**  
Automatic Voltage Monitoring
-  **Surge Protection**  
Exclusive Protect or Disconnect™ circuitry.
-  **12 Volt Trigger**  
Allows source equipment to activate or deactivate outlets 5-8 on the M8-HT-PRO.
-  **Eight Outlets**  
More outlets for all of your power needs.
-  **Hi Def Ready**  
Hi-Def Designed to work with your High Definition system.



MODEL NO.  
**M8-AV-PRO**



Engineered and built to meet the latest UL Safety requirements (UL 1449 3rd Edition)

SPECIFICALLY DESIGNED AND ENGINEERED TO PROTECT:



**HD Flat Panel Display Systems**  
(Plasma, LCD, CRT's and Receivers)

**\$5,000,000 Limited Connected Equipment Protection Policy\***

**Lifetime Product Warranty\***

**Product Upgrade Policy\***

\*See actual warranty documentation.

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### FEATURES

Accepts Panamax add on data line protection modules (modules sold separately).

In/Out Telco/LAN Connectors  
Telco and LAN Connector RJ-45

Unsafe Voltage LED (red) Normally OFF; flashes when lit, indicates that incoming voltages are unsafe and the surge protector has disconnected the power to connected equipment.

CATV / Satellite Connectors  
2 sets of IN /OUT, universal coaxial connectors

DC Trigger  
For high current outlets (5-8)

8 ft. AC Power Cord  
Right Angle with 45 Degree Offset Plug

Power ON/Protection OK LED (green) Normally ON; indicates that the surge protector is functioning properly and that all connected equipment is protected.

Ground OK LED (green) Normally ON; indicates that the wall outlet is properly wired and grounded.

DC Trigger LED (green) ON/OFF status depends upon whether or not a 12VDC signal is being received from another component when utilizing.

8 AC Outlets  
Outlets 1-4 feature (4 top outlets) "Balanced Double L" Filtration Circuit

Outlets 5-8 (4 side outlets) for high current equipment.

Accessory Included:  
3 ft. Coax Cable Mounting Brackets

ON / OFF Power Switch and Circuit Breaker Combination

### SPECIFICATIONS

#### AC POWER

Protect or Disconnect™ Circuitry \_\_\_\_\_ Yes  
Patented Power Management Circuit\* \_\_\_\_\_ Yes  
Auto-resetting Overvoltage Shutoff \_\_\_\_\_ 144V ±8V  
Auto-resetting Undervoltage Shutoff \_\_\_\_\_ 90V ±6V  
Thermal Fusing \_\_\_\_\_ Yes  
Line Voltage \_\_\_\_\_ 120VAC, 50/60Hz  
Initial Clamping Level \_\_\_\_\_ 200V Peak, 141V RMS  
Voltage Protection Rating (UL 1449 3rd Edition, 3,000A) \_\_\_\_\_ 500V  
UL 991 \_\_\_\_\_ Yes  
Protection Modes \_\_\_\_\_ L-N, L-G, N-G  
Maximum Current Rating \_\_\_\_\_ 15A (1800W)  
Single Pulse Energy Dissipation \_\_\_\_\_ 1875 Joules  
Peak Impulse Current \_\_\_\_\_ 65,000 A

EMV/RFI Noise Filtration \_\_\_\_\_ 53dB (100kHz - 1 MHz)  
Number of Isolated Banks of Outlets \_\_\_\_\_ 2  
Filter Circuits \_\_\_\_\_ 1 Common Mode  
\_\_\_\_\_ 1 Normal Mode,  
\_\_\_\_\_ 1 High-Current Inductorless  
Filtered Outlet Banks \_\_\_\_\_ 53 dB (100 KHz - 1 MHz)  
High-Current Outlets \_\_\_\_\_ 50 dB (100 KHz - 1 MHz)  
Response Time \_\_\_\_\_ < 1 n

#### LAN Protection:

Compatibility \_\_\_\_\_ 10/100bT  
Clamping Level \_\_\_\_\_ 7V  
Suppression Modes \_\_\_\_\_ Differential & Common Ground  
Wires Protected \_\_\_\_\_ Pins 1, 2, 3, & 6  
Connectors \_\_\_\_\_ RJ-45 Shared with Telco

#### Telco Protection:

Fuseless/Auto-Resetting \_\_\_\_\_ Yes  
Clamping Level \_\_\_\_\_ 260V  
Capacitance \_\_\_\_\_ 30 pf (approx.)  
Suppression Modes \_\_\_\_\_ Metallic & Longitudinal  
Wires Protected \_\_\_\_\_ 2 wire, 1 pair (4,5)  
Connectors \_\_\_\_\_ RJ-45 Shared with LAN

#### Universal Coax Protection:

HD Ready \_\_\_\_\_ Yes  
Shielded \_\_\_\_\_ Yes  
Clamping Level \_\_\_\_\_ 75V  
Frequency Range \_\_\_\_\_ 5MHz - 2GHz  
Insertion Loss \_\_\_\_\_ <0.5dB  
Connections \_\_\_\_\_ Female "F", Gold Plated  
Bi-Directional \_\_\_\_\_ Yes

Design and specifications subject to change without notice due to product upgrades and improvements.

### UPC'S, QUANTITIES, WEIGHTS & MEASUREMENTS FOR ORDERING & SHIPPING

MODEL M8-AV-PRO		SINGLE UNIT CARTON			MASTER CARTON			
Dimensions	Weight	Dimensions	Weight	UPC	Qty.	Dimensions	Weight	UPC
12" x 5" x 1.75"	3.5 lbs	13.25" x 9.5" x 2.5"	4 Lbs	0 50616 00874 7	6	17.25" x 8.5" x 14"	25 Lbs	50 050616 00874 2

(12.5 in. L. Including brackets)

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