

# Improve Picture Quality with Home Theater Power Conditioners by Panamax



## MAX<sup>®</sup> 5100-EX THE SOURCE OF PURE SOUND AND PICTURE™



### TOP BENEFITS

#### 1 Improves Picture and Sound Quality

**LEVEL 3** Power Cleaning and Filtration eliminates common symptoms of contaminated power (including loss of detail, pops, hisses, hums and visual artifacts) and allows your A/V equipment to perform up to its full capability.

#### 2 Monitors Incoming Line Voltage and Provides a Visual Indication of Power Level

Panamax's patent pending AVM™ circuitry continuously monitors the incoming power as displayed on the LED voltmeter. The first LED will flash slowly to indicate an under voltage condition and the last LED will flash to indicate an over voltage condition. Power to the connected equipment is automatically turned off if either of these conditions is detected. When voltage returns to a safe level, power to the equipment is automatically reconnected.

#### 3 Reduces Cross-Contamination Between Components

The M5100-EX is designed to provide noise isolation between 3 isolated outlet banks including 2 high current outlets so that any noise created by an A/V component can not contaminate the power going to equipment plugged into another outlet bank.

### FEATURES

- **LEVEL 3** Power Cleaning and Filtration
- Protect or Disconnect™ Automatic Voltage Monitoring Circuitry (AVM)
- LED Voltmeter and Power Status Indicator Lights
- 11 Outlets: 4 Always On, 4 Switched, 2 High Current, 1 Convenience (front)
- 3 Isolated Outlet Banks
- Coaxial Signal Line Protection: 1 HD Sat and 1 HD CATV
- Auto-resetting Telephone (pay-per-view) and LAN Line Protection
- DC Trigger Input
- Rack Mountable (rack mount kit not included and sold separately- Part # GRM2204)
- Optional Silver Bezel



## MAX® 5100-EX REAR PANEL FEATURES

### Circuit Breaker

Automatically opens when the current load is greater than 15 Amps.

### Ground Lug

Provides a common grounding point for equipment with separate ground leads.

### Outlet Bank 2

Four switched outlets controlled by the front panel Power Button or the DC Trigger input. Bank 2 will turn on immediately and turn off after 10 seconds. EMI/RFI noise filtration is provided by a two-stage balanced Pi filter which also provides noise isolation from Outlet Banks 1 and 3.

### Outlet Bank 1

Four always on outlets. Power will only be turned off under a fault condition. (See specifications for over-voltage and under-voltage thresholds) Power is cleaned by a two-stage balanced Pi filter which also provides noise isolation from Outlet Banks 2 and 3.

### Satellite TV Coax Jacks

Bidirectional protection circuit optimized for satellite TV signal lines.

### Cable TV Coax Jacks

Bidirectional protection circuit optimized for cable TV, off-air antennas and cable modem signal lines.



### Main Power

Must be plugged into a properly wired & grounded 3-wire outlet

### Outlet Bank 3

Two switched, high current outlets controlled by the front panel Power Button or the DC Trigger input. Bank 3 has a 5 second turn on delay and turns off immediately. The High Current outlet provides power from a low impedance noise filtration circuit that does not limit the current to your equipment. Its output is noise isolated from all other outlet banks.

### Voltage Sense Trigger Input

3.5mm (1/8") Mini-Plug jack. Connect to a remote trigger device that uses a DC output to trigger a startup/shutdown sequence. This bypasses the front panel power switch.

### LAN Jacks

Protection circuits for standard telephone or pay-per-view lines.

### Phone Jacks

Protection circuits for standard telephone or pay-per-view lines. Phone circuit is auto-resetting.

## MAX® 5100-EX SPECIFICATIONS

**Rack Mountable** (rack mount kit not included and sold separately - Rack Mount Kit / Double DIN, Part # GRM2204)

### AC Power

Line Voltage:	120V, 60Hz
Total Current Capacity:	15 A
UL1449 Suppression Rating:	330V
Protection Modes:	L-N, L-G, N-G
Initial Clamping Level:	200V
Energy Dissipation:	1815 Joules
Peak Impulse Current:	73,000 Amps
Catastrophic Surge Circuit:	Yes
Thermal Fusing:	Yes
Over-voltage shutoff:	142 VAC ±5 VAC
Under-voltage shutoff:	90 VAC ± 2 VAC
<b>EMI/RFI Noise Filtration</b>	
Banks 1 & 2:	80 db, 100 KHz - 2 MHz
Bank 3, High Current Outlets:	60 db, 100 KHz - 2 MHz
Common Mode (all banks):	60 db, 100 KHz - 2 MHz

### DC Trigger Input

Jacks:	3.5mm (1/8") mini-plug
Voltage and Polarity:	3 - 24V DC, bidirectional
Current Requirement:	4.6 mA @3V, 58 mA @24V

### LAN Circuit

Clamping Level:	8V ± 2V
Jacks:	RJ-45
Wires Protected:	4-Wires, Pins 1, 2, 3 & 6

### Telephone Circuit (pay-per-view)

Fuseless/Auto-resetting:	Yes
Clamping Level:	260V
Capacitance:	30pf (approx.)
Suppression Modes:	Metallic & Longitudinal
Jacks:	RJ-11
Wires Protected:	2-Wire, Pins 4 & 5
DSL Compatible:	Yes

### HD Satellite TV Circuit

Bidirectional:	Yes
Shielded:	Yes
Clamping Level:	27V
Attenuation:	< 1db from 950MHz-2.05GHz < 2.4db @ 2.2GHz
Connections:	Female "F", Gold Plated

### HD Cable TV Circuit

Bidirectional:	Yes
Shielded:	Yes
Clamping Level:	1.4V
Attenuation:	< 1db from 5MHz - 950MHz
Connections:	Female "F", Gold Plated
Pay-Per-View Compatible:	Yes

*Specifications subject to change due to product upgrades and improvements.*

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

MODEL M5100-EX		UNIT CARTON			MASTER CARTON			
Dimensions	Weight	Dimensions	Weight	UPC	Qty	Dimensions	Weight	UPC
17" x 12.75" x 3.5" 4.1" H with feet	14 lbs	23.75" x 19.25" x 9.5"	17.5 Lbs	0 50616 00785 6	1	Same as Individual Carton	17.5 Lbs	5 00 50616 00785 1

## OPTIONAL SILVER BEZEL

SILVER BEZEL		PRODUCT		UNIT CARTON			MASTER CARTON			
Model #	Dimensions	Weight	Dimensions	Weight	UPC	Qty	Dimensions	Weight	UPC	
BEZ5100-EXS	17" W x 0.625" D x 3.5" H	14.5 Oz	18" x 4" x 1"	18.0 Oz	0 50616 00791 7	N/A	N/A	N/A	N/A	



1690 Corporate Circle, Petaluma, CA 94954 • 800-472-5555 or 707-283-5900 • Fax - 707-283-5901 • www.panamax.com

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