

Improve Picture Quality with Home Theater Power Conditioners by Panamax



MAX[®] 5400-EX

THE SOURCE OF **PURE** SOUND AND PICTURE™



TOP BENEFITS

1 Improves Picture and Sound Quality

LEVEL 5 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 and amperage draw of connected equipment as displayed on the digital meters. A red lightning bolt below the voltmeter will flash to indicate an under or 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 M5400-EX is designed to provide noise isolation between 5 isolated outlet banks including 2 high current outlets so that any noise created by an A/V component cannot contaminate the power going to equipment plugged into the other outlet banks.

FEATURES

- **LEVEL 5** Power Cleaning and Filtration
- Protect or Disconnect™ Automatic Voltage Monitoring Circuitry (AVM™)
- Digital Voltmeter (incoming voltage) and Ammeter (total current draw) and Power Status Indicator Lights
- 11 Outlets: 4 Always On, 4 Switched, 2 High Current, 1 Convenience (front)
- 5 Isolated Outlet Banks
- Coaxial Signal Line Protection: 2 HD Sat and 2 HD CATV
- Auto-resetting Telephone (pay-per-view) and LAN Line Protection
- DC Trigger input and output
- Rack Mounting Brackets Included
- Optional Silver Bezel



MAX® 5400-EX REAR PANEL FEATURES

Main Circuit Breaker

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

Outlet Banks 3 & 4

Two switched outlets per bank. ON/OFF status is controlled by the front panel Power Button or the DC Trigger input. They will turn on immediately and turn off after 10 seconds. EMI/RFI noise filtration is provided by the four stage balanced Pi filter. Banks 3 and 4 are noise isolated from each other as well as all other outlet banks.

Outlet Banks 1 & 2

Two always on outlets per bank. Power will only be turned off under a fault condition. (See specifications for over-voltage and under-voltage thresholds) Power for each bank is cleaned by a four-stage balanced Pi filter. Banks 1 and 2 are noise isolated from each other as well as all other outlet banks.

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

Ground Lug

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

Outlet Bank 5

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

Voltage Sense Trigger Output

3.5mm (1/8") Mini-Plug jack. Connecting a trigger wire to the Voltage Sense Output jack will allow the input signal to pass through the MAX® 5400-EX to control the startup/shutdown of an additional device.

High Current Outlets Delay Switch For Outlet Bank 5

Allows the outlet bank to be set as "Always ON" or with a 5 second turn-on delay

LAN Jacks

Protection circuits for 10/100 baseT Ethernet lines.

Phone Jacks

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

Switched Outlets Delay Switch For Outlet Banks 3 & 4

Allows the outlet banks to be set as "Always ON" or with a 10 second turn-off delay

MAX® 5400-EX SPECIFICATIONS

AC Power		LAN Circuit	
Line Voltage:	120V, 60Hz	Clamping Level:	8V ± 2V
Total Current Capacity:	15 A	Jacks:	RJ-45
UL1449 Suppression Rating:	330V	Wires Protected:	4-Wires, Pins 1, 2, 3 & 6
Protection Modes:	L-N, L-G, N-G	Telephone Circuit	
Initial Clamping Level:	200V	Fuseless/Auto-resetting:	Yes
Energy Dissipation:	1815 Joules	Clamping Level:	260V
Peak Impulse Current:	73,000 Amps	Capacitance:	30pf (approx.)
Catastrophic Surge Circuit:	Yes	Suppression Modes:	Metallic & Longitudinal
Thermal Fusing:	Yes	Jacks:	RJ-11
Over-voltage shutoff:	142 VAC ±5 VAC	Wires Protected:	2-Wire, Pins 4 & 5
Under-voltage shutoff:	90 VAC ± 2 VAC	Satellite TV Circuit	
EMI/RFI Noise Filtration		Bidirectional:	Yes
Banks 1 - 4:	100 db, 100 KHz - 2 MHz	Shielded:	Yes
Bank 5, High Current Outlets:	60 db, 100 KHz - 2 MHz	Clamping Level:	27V
Common Mode (all banks)	60 db, 100 KHz - 2 MHz	Attenuation:	< 1db from 950MHz-2.05GHz < 2.4db @ 2.2GHz
DC Trigger Input		Connections:	Female "F", Gold Plated
Jacks:	3.5mm (1/8") mini-plug	Cable TV Circuit	
Voltage and Polarity:	3 - 24V DC, bidirectional	Bidirectional:	Yes
Current Requirement:	4.6 mA @3V, 58 mA @24V	Shielded:	Yes
DC Trigger Output		Clamping Level:	1.4V
Voltage:	<15V	Attenuation:	< 1db from 5MHz- 950MHz
Current:	<500 mA	Connections:	Female "F", Gold Plated
Short-circuit protection:	Yes		
Delay on output:	10 seconds		

Specifications subject to change due to product upgrades and improvements.

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

MODEL M5400-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	19 lbs	23.75" x 19.25" x 9.5"	22.5 Lbs	0 50616 00787 0	1	Same as Unit Carton	22.5 Lbs	5 00 50616 00787 5

OPTIONAL SILVER BEZEL

SILVER BEZEL		PRODUCT			UNIT CARTON			MASTER CARTON		
Model #	Dimensions	Weight	Dimensions	Weight	UPC	Qty	Dimensions	Weight	UPC	
BEZ5400-EXS	17" W x 0.625" D x 3.5" H	14 Oz	18" x 4" x 1"	17.5 Oz	0 50616 00793 1	N/A	N/A	N/A	N/A	