

**MX5102**

# COMPLETE POWER MANAGEMENT

WITH BATTERY BACKUP FOR YOUR HOME THEATER SYSTEM



## Features

- Linear Noise Filtration Technology (Lift)
- 600VA UPS 2 Outlets
- Surge Protection with Automatic Voltage Monitoring (AVM)
- Dual Learning IR Output Controls
- Rack Mounting Kit



**MX5102**

**COMBINES POWER MANAGEMENT, SURGE PROTECTION WITH AVM AND BATTERY BACKUP TO PROVIDE THE COMPLETE SOLUTION!**

Panamax's MX5102 is specially designed and engineered for home theater systems. In addition to power management the battery backup prevents processor controlled devices and hard drive based sources from losing critical data and set up configurations, as well as allowing for a proper shut down procedure.

[www.panamax.com](http://www.panamax.com)

**PANAMAX**

# MX5102

# FRONT/BACK PANELS FEATURES

### Power Switch

Press the power button to turn the unit ON or OFF.

### Wiring Fault Indicator

This LED will illuminate in red to warn the user that a wiring problem such as a bad/missing ground or reversed wiring exists within the AC receptacle. If illuminated, disconnect all equipment and contact an electrician to insure outlet is properly wired.

### Outlet Banks 1, 2, 3 and 4 Indicators

Illuminated blue when respective outlet bank is always on.

### Unsafe Voltage Indicator

This LED will illuminate in red to warn the user that an unsafe voltage level is occurring.

### Meter Dimmer /UPS Test Button

A quick press of the button will cycle the meter and front panel through several levels of brightness. Press and hold the button to initiate an UPS test cycle. During UPS mode, pressing the button will turn off the internal warning buzzer.

### Digital Voltmeter/UPS Status Display

During normal operation, the digital LED voltmeter indicates the incoming line voltage. If line voltage drops below 90VAC, or exceeds 132VAC, the Unsafe Voltage LED will flash, and during battery backup (UPS) mode the display will indicate the estimated minutes of battery backup time.



### Removable Battery Access Panel

Easy to remove for battery access and replacement.

### Circuit Breakers

Resettable circuit breakers provide optimal overload protection.

### IR Control Section

Indicator LED's – Indicates status IR Output Jacks – Standard 1/8" (3.5mm) mono jack for connection to an IR flasher (IR flashers not included).

### Outlet Bank 4

Two always on, battery powered, surge protected outlets for connected equipment ensure temporary uninterrupted operation of connected equipment during a power failure.

### 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.

### Outlet Bank 2

Four switched outlets with Linear Filtration Technology (LiFT) controlled by the front panel Power Button or the DC Trigger input. Bank 2 will turn on immediately and turn off after 5 seconds. Its output is noise isolated from all other banks.

### Outlet Bank 1

Two always on outlets with Linear Filtration Technology (LiFT). Power will only be turned off under a fault condition. Its output is noise isolated from all other outlet banks.

### Voltage Sense Trigger Input

3.5mm (1/8") Mini-Plug jack.

### AC Power Cord

10 ft.

### LAN Jack

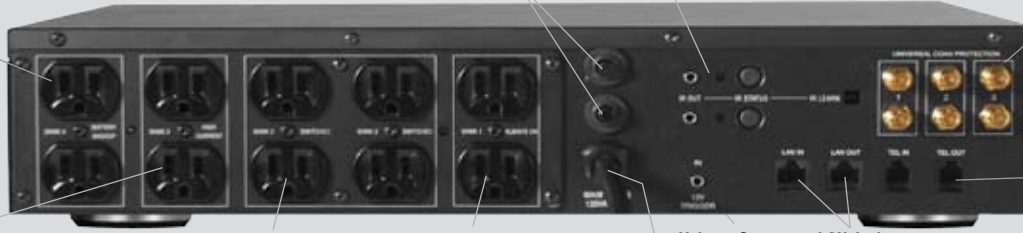
Protection circuit for one 10/100 baseT Ethernet line. Incoming LAN line MUST be plugged into the LINE jack. Patch cord to the equipment MUST be plugged into the EQUIP jacks. 8 wire protection, 50V clamping.

### Universal TV Coaxial Jacks

3 pairs of bidirectional protection circuits optimized for satellite, cable, and antenna TV signal lines.

### Phone Jack

Protection circuit for one standard telephone or pay-per-view lines. Phone circuit is auto-resetting. Incoming phone cord MUST be plugged into the LINE jack. Patch cords to the equipment (satellite receiver, digital video recorder, telephone, etc.) MUST be plugged into the EQUIP jacks. 2-wire protection, 270V clamping.



## MX5102 SPECIFICATIONS

AC Power		DC Trigger Input	
Line Voltage	120V, 60Hz	Jacks	3.5mm (1/8") mono mini-plug
Total Current Capacity	12 A	Voltage and Polarity	3 - 18V DC, bidirectional
Energy Dissipation	1800 Joules	Current Requirement	4.6 mA @3V, 58 mA @24V
Catastrophic Surge Circuit	Yes	<b>LAN Circuits</b>	
Thermal Fusing	Yes	Clamping Level	50V
Overvoltage Shutoff, fast rise	150 ± 5 V	Jacks	RJ-45
Overvoltage Shutoff, slow rise	132 ± 5 V	Wires Protected	8-Wires
Undervoltage Shutoff	90 ± 5 V	<b>Telephone Circuit</b>	
EMI/RFI Noise Filtration		Fuseless/Auto-resetting	Yes
	30dB min from 100kHz-2MHz	Clamping Level	270V
	50dB max @ 270kHz	Suppression Modes	Metallic & Longitudinal
<b>UPS Output</b>		Jacks	RJ-11
Voltage	120 ± 5% Simulated Sine Wave	Wires Protected	2-Wire, Pins 4 & 5
Frequency	60 Hz ± 1%	<b>Cable and Satellite Circuits</b>	
UPS Output Capacity	600VA 360W @ 0.6pf	HD 1080 i/p Ready	Yes
UPS Backup Time	3 minutes at full load	Bi-directional	Yes
Transfer Time	< 10ms	Shielded	Yes
		Clamping Level	75V
		Frequency Range	0MHz - 2.2 GHz
		Insertion Loss	< 0.5 dB
		Connections	Female "F", Gold Plated
Specifications subject to change due to product upgrades and improvements.			

MX5102 prevents critical equipment from losing setup configuration, stored data and hard-disk crashes. Shuts off projection equipment via IR control to allow the projector bulbs to go through a proper cool-down cycle before shutting off.

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

### SINGLE MODEL MX5102

Dimensions	Weight
L 17" x H 4" x W 13"	27 lbs.

### SINGLE UNIT CARTON

Dimensions	Weight	UPC
L 22.25 x H 9.25" x W 17.5"	29 lbs.	050616-008501



MODEL: MX5102  
MADE IN CHINA



# PANAMAX

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