

# 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

Line Voltage	120V, 60Hz
Total Current Capacity	12 A
Energy Dissipation	1800 Joules
Catastrophic Surge Circuit	Yes
Thermal Fusing	Yes
Overvoltage Shutoff, fast rise	150 ± 5 V
Overvoltage Shutoff, slow rise	132 ± 5 V
Undervoltage Shutoff	90 ± 5 V

### DC Trigger Input

Jacks	3.5mm (1/8") mono mini-plug
Voltage and Polarity	3 - 18V DC, bidirectional
Current Requirement	4.6 mA @3V, 58 mA @24V

### LAN Circuits

Clamping Level	50V
Jacks	RJ-45
Wires Protected	8-Wires

### Telephone Circuit

Fuseless/Auto-resetting	Yes
Clamping Level	270V
Suppression Modes	Metallic & Longitudinal
Jacks	RJ-11
Wires Protected	2-Wire, Pins 4 & 5

### UPS Output

Voltage	120 ± 5% Simulated Sine Wave
Frequency	60 Hz ± 1%
UPS Output Capacity	600VA 360W @ 0.6pf
UPS Backup Time	3 minutes at full load
Transfer Time	< 10ms

### Cable and Satellite Circuits

HD 1080 i/p Ready	Yes
Bi-directional	Yes
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**



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