

PRO Series

MAX® 5510-PRO ACRegenerator™

POWER CONDITIONER



Improves Picture Quality

The MAX® 5510-PRO is designed to improve system performance and distribute clean, safe power to home theater equipment in an automated home.

Home Automation

RS-232 Interface allows automation systems to control the power state of connected equipment and program power cycles for components like satellite receivers which may lock up after downloading software updates.



Noise Filtration & Isolation

The selectable Balanced/Isolated power modes allow the installer to match the unit's noise filtration and conditioning to the specific needs of an installation.

PANAMAX®
The Power Specialist Since 1975



Model: M5510-PRO

MAX® 5510-PRO ACRegenerator™

- Isolated/Balanced Power Option
- RS-232 Interface provides seamless integration with home automation systems.

FEATURES AND INCLUDED ACCESSORIES

Meter Dimmer Switch:

Pushbutton; controls brightness of the Ammeter and Voltmeter backlighting. Cycles among five settings; High Blue, Low Blue, High Amber, Low Amber, OFF

LED Indicators:

Switched Outlets, Voltage Trigger and Unsafe Voltage status indicators.

AC Regeneration Control & LED Indicators:

Select either Isolated Power Mode and Balanced Power Mode for your digital source components or video display device

Ammeter:

Backlit analog meter measures current draw for connected equipment from 0 - 15A.

Voltmeter:

Backlit analog meter measures incoming voltage source from 0-150 VAC.

Convenience Outlet:

Provides a quick convenient way to plug in components such as camcorders and video game systems.

Power Switch and LED:

Pushbutton; activates a turn-on or shutdown sequence for the Isolated and High-Current outlets. The Green LED will be illuminated when the unit is plugged into an AC outlet and the power switch is in the "ON" position. The LED flashes during the outlet turn-on and turn-off delay periods.



Accessories Included:

- 1- RJ-11 Telephone Cable
- 1- CAT 5 Ethernet Cable
- 2- Coax Cables
- 2- Rack Mounting Ears
- 1- LED Convenience Lamp
- 1- IEC 320, 120V/15A Power Cord

15A Main Circuit Breaker:

Opens in the event that equipment plugged into the MAX 5510 PRO draws too much current.

Isolated (Switched) Outlets:

Four outlets provide complete isolation for digital source components such as DVD players or display devices like plasma TVs or DLP projectors. These outlets are completely isolated from the rest of the system.

Filtered Outlet Banks 1 & 2:

Four, Always-On, Balanced Double L filtered outlets for low current analog audio components such as pre-amplifiers, receivers, VCR's and tape decks. Two outlets per filter bank.

Isolated Outlets Circuit Breaker:

Opens in the event that equipment connected to the Isolation Transformer Outlets exceeds 6 amps current draw. When white is visible, the breaker has opened. Reduce the load and push to reset.

RS-232 Control Interface:

DB-9 male connector. Use to connect the M5510-Pro to a home automation system.

Lamp Receptacle:

USB jack. The convenience lamp included with the M5510-Pro is to illuminate the rear panels of other components during setup.

Line Level Audio/Video Jacks:

Color-coded RCA jacks, female, 5 pair. Use to protect the main system from backdoor surges coming in on the signal lines.



Ground Lug:

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

Satellite Coax Jacks:

Two pairs of F-Connectors optimized for Satellite TV signal line protection.

CATV Coax Jacks:

One pair of F-Connectors optimized for Cable TV, Antenna or Cable Modem signal line protection.

LAN/Telephone Jacks:

In/Out connections for Ethernet, telephone line or pay-per-view line protection.

IEC Main Power Receptacle:

Detachable power cord connects to this receptacle.

High Current Outlet Bank:

Two delayed outlets designed for high current components such as amplifiers and powered subwoofers. The current available to connected equipment is not limited by the noise filtration components.

DC Trigger Input:

3.5mm (1/8") Mini-Plug jack. Connect to a remote trigger device that uses a DC voltage signal to initiate a startup/shutdown sequence.

DC Trigger Output:

3.5mm (1/8") Mini-Plug jack. The M5510-Pro can generate its own 12VDC trigger to control another device.

Trigger Enable Switch:

Enables or disables the DC Trigger input function.

Trigger Delay Switch:

Sets the delay time (0 or 10 seconds) between receiving a DC trigger input signal and when the M5510-Pro sends its DC Trigger output signal.

High-Current Outlet Delay Switch:

Allows adjustment of the Turn-On delay for the 2 Delayed High Current Outlets. Choose between 0 and 10 seconds.

Isolated Outlets Delay Switch:

Allows adjustment of the Turn-Off delay for the 4 Isolation Transformer Outlets. Choose between "always-on", and 10 seconds.

TECHNICAL SPECIFICATIONS

AC CIRCUIT PROTECTION AND FILTRATION

AC PROTECTION:

Initial Clamping Level.....	200V
UL 1449 Surge Suppression Rating.....	330V
Protection Modes.....	L - N, L - G, N - G
Line Voltage.....	120VAC
Max Current Rating.....	15A (1800 Watts)
Response Time.....	<1ns
Joule Rating.....	2100 Joules
Peak Impulse Current.....	90,000A
Catastrophic Surge Circuit.....	YES
Thermal Fuse.....	YES
Over/Under Voltage Protection.....	YES
Over-voltage shutoff threshold / Response time.....	134±4 VAC, 10 milliseconds
Under-voltage shutoff threshold / Response time.....	95±4 VAC, 500 milliseconds

NOISE FILTRATION:

Filtered Outlet Bank 1.....	100 dB (100 KHz - 1 MHz)
Filtered Outlet Bank 2.....	90 dB (100 KHz - 1 MHz)
Isolation Transformer Outlets	
Common Mode.....	120 dB (100 KHz - 1 MHz)
Normal Mode.....	60 dB (100 KHz - 1 MHz)
High-Current Outlets	
Normal Mode.....	60 dB (100 KHz - 1 MHz)

DC TRIGGER INPUT

Connection.....	3.5 mm mono mini-plug
Voltage and Polarity.....	<3-18VDC, bi-directional
Current Requirement.....	>25mA

SATELLITE CIRCUIT

Clamping Level.....	27V
Attenuation.....	<1 dB from 950MHz - 2.2GHz
Shielded.....	YES
Connections.....	Gold plated, Female "F"

TELEPHONE CIRCUIT

Clamping Level.....	260V
Capacitance.....	30pf (approx.)
Suppression Modes.....	Metallic & Longitudinal
Wires Protected.....	2 wire/ 1 pr. (pins 4,5)
Fuseless/Auto-Resetting.....	YES
Connections.....	RJ-11/45

Design and specifications subject to change without notice due to product improvement.

DC TRIGGER OUTPUT

Connection.....	3.5 mm mono mini-plug
Voltage and Polarity.....	12V DC, + Center Pin
Current.....	350mA

ANT/CATV CIRCUIT

Clamping Level.....	1.4V
Attenuation.....	<1 dB up to 950MHz
Shielded.....	YES
Connections.....	Gold plated, Female "F"

LAN CIRCUIT

Compatibility.....	10/100 baseT Ethernet
Clamping Level.....	8V
Wires Protected.....	pins 1, 2, 3 and 6
Connections.....	RJ-45

GENERAL

Dimensions.....	17.25" W x 12" D x 3.5" H, (4.1" H including feet)
Weight.....	31 lbs.

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SHIPPING DIMENSIONS, WEIGHTS AND UPC CODES

Single Pack Dimensions.....	23"W x 18.25" D x 8.5" H,
Single Pack Weight.....	33 lbs.
Single Unit UPC.....	0 50616-00762 7
Master Pack Dimensions.....	23.75"W x 19.25" D x 18.5" H,
Master Pack Qty.....	2 Units
Master Pack Weight.....	67 lbs.
Master Pack UPC.....	5 00 50616-00762 2



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