



MAX[®] 5500 ACRegenerator[™]

True Isolation Transformer Technology from Panamax!



The MAX[®] 5500 ACRegenerator[™] provides state-of-the-art noise filtration and power protection for audio/video and home theater systems. It completely addresses all the needs of even the most discriminating audiophile.

Tri-Power Filtration System

- Four AC outlets are fed through the True Isolation Transformer, the heart of the MAX[®] 5500. These outlets are for digital source components such as DVD players, CD players, etc., and are completely isolated from the rest of the system. These can be set as either always-on or switched with delayed turn-off.
- Four more, always-on outlets utilize separate "balanced, double L" filtration circuits (2 banks, 2 outlets per bank) to eliminate EMI/RFI noise on all three power paths (L-N, L-G, & N-G)* so even equipment with 2-blade plugs receives clean, uncontaminated power. Analog components like TVs, VCRs, tape decks and receivers should be plugged into these outlets.
- Two delayed-on outlets, for high current components such as amplifiers and powered sub-woofers, provide clean, filtered power without limiting the current available to the connected equipment.



- Detachable convenience lamp with dimmer control provides lighting for A/V equipment.
- DC Voltage trigger input for initiating a start-up/shut-down sequence.
- Analog Back-lit Voltmeter and Ammeter indicate line voltage and current draw. On/Off, Dimmer control on front panel.



1. OVER-VOLTAGE, DISCONNECT
2. SAFE-VOLTAGE, RECONNECT
3. UNDER-VOLTAGE, DISCONNECT
4. SAFE-VOLTAGE, RECONNECT

SurgeGate Plus[™] Circuitry

A power monitoring system that acts as a gate to prevent unsafe voltages from damaging sensitive electronic equipment. It automatically detects a prolonged over or under voltage condition and *disconnects* the power to equipment, then *reconnects* it when the power returns to a safe level.

SignalPerfect[™] Technology

- Optimized signal line surge protection ensures a clean clear signal for 4 coaxial lines (2 satellite TV & 2 cable TV or off-air antenna) & 1 pay-per-view telephone line.
- Coax circuitry uses solid-state components for the best protection and lowest interference levels.
- Telephone line circuitry uses solid-state SIDActors[®] and auto-resetting PTCRs for maximum protection and reliability.

FEATURES



Switched Outlets Pushbutton: Activates a turn-on or shutdown sequence for the Isolated and High-Current outlets.

Lamp Receptacle & Dimmer: For the 5W-halogen Convenience Lamp.

LED Indicators: Status indicator lights for Switched Outlets, DC Voltage Trigger, Ground OK, Line Fault and Unsafe Voltage

Meter Lights Dimmer: Controls brightness of the Ammeter & Voltmeter backlighting.

Ammeter: Backlit analog meter measures current draw for connected equipment up to 15 Amps.

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.



PANAMAX
The Surge Protection Specialist

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FEATURES (continued)

15A Circuit Breaker:

Opens in the event that equipment plugged into the MAX 5500 draws too much current.

Filtered Outlet Bank 1:

Two Always-On, Balanced, Double L, filtered outlets for low current analog audio components.

Isolated Outlets:

Four outlets provide complete isolation for digital source components.

High Current Outlet Bank:

For high current components such as amplifiers and powered subwoofers. The current available is not limited by the noise filtration components.

Isolation Transformer Circuit Breaker:

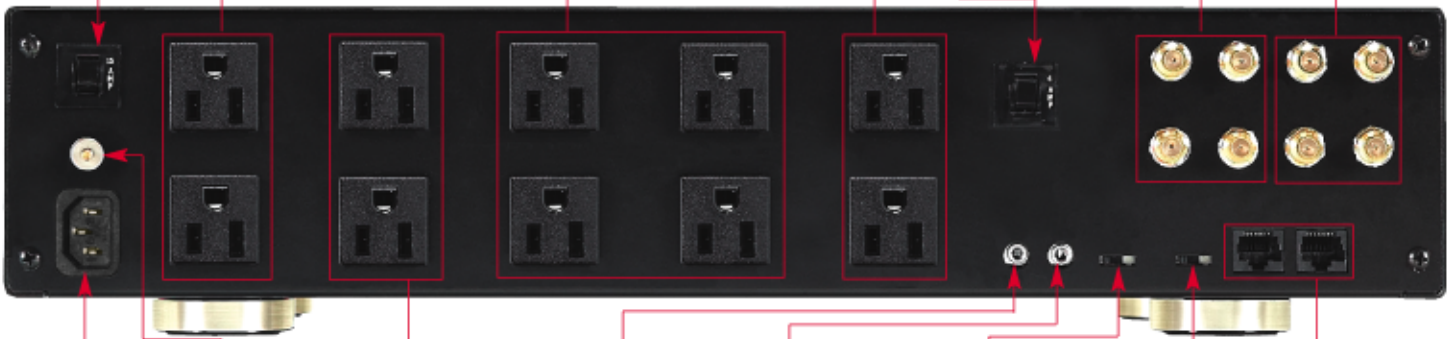
Opens in the event that equipment connected to the Isolated Outlets exceeds 4 amps current draw.

Cable TV Coax Connectors:

Two pair of gold plated F-Connectors optimized for Cable TV and non-amplified Rooftop Antenna signal line protection.

Satellite Coax Connectors:

Two pair of gold plated F-Connectors optimized for Satellite TV signal line protection.



IEC Main Power Receptacle:

Detachable power cord connects to this receptacle.

Ground Lug:

Provides a common grounding point for equipment with separate ground leads

Filtered Outlet Bank 2:

Two, Always-On, Balanced Double L filtered outlets for low current analog audio components.

Voltage Sense Trigger Input:

Connect to a remote device that provides 12VDC to trigger a startup/shutdown sequence.

Voltage Sense Trigger Output:

Connecting a 12VDC trigger to the Voltage Sense Circuit will allow the same signal to pass through to control the startup/shutdown of an additional device.

High Current Outlets Turn-On Switch:

Allows adjustment of the Turn-On delay for the High Current Outlets. Choose between 0, 10 and 30 seconds.

Isolated Outlets Turn-Off Switch:

Allows adjustment of the Turn-Off delay for the 4 Isolation Transformer Outlets. Choose between "always-on", 10 and 30 seconds.

Telephone Connectors:

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

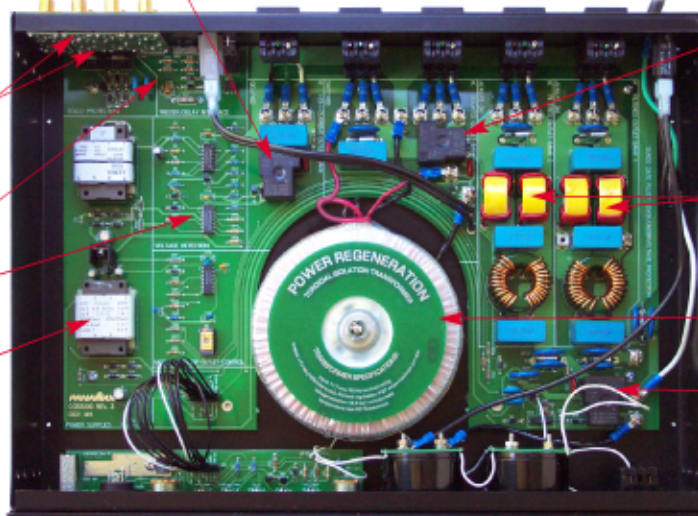
Inductor-less, High Current Filtration and Control Circuitry

SignalPerfect™ Satellite, Cable TV and Telephone Circuitry

12V Trigger Circuitry

Voltage Monitoring and Control Circuitry

Convenience Lamp Power Supply



Control Circuitry for Isolated Outlets

Balanced Double L Filter Banks

True Isolation Transformer

SurgeGate™ Plus and Primary Surge Protection Circuitry

TECHNICAL SPECIFICATIONS

AC SURGE PROTECTION

NOISE FILTRATION:

Filtered Outlet Banks.....55 dB (100 KHz - 1 MHz)
Isolation Transformer Outlets.....120 dB (100 KHz - 1 MHz)
High-Current Outlets.....50 dB (100 KHz - 1 MHz)

SURGE PROTECTION:

UL 1449 Surge Suppression Rating.....330V
Protection Modes.....L - N, L - G, N - G*
Initial Clamping Level.....200V Peak, 141V Rms
Response Time.....<1ns
Joule Rating.....2325 Joules
Peak Impulse Current.....91,000A
Catastrophic Surge Circuit.....YES

AC:

Line Voltage.....120VAC
Max Current Rating.....15A (1800 Watts)
Thermal Fuse.....YES
Over/Under Voltage Protection.....YES
Over-voltage shutoff threshold.....132V
Under-voltage shutoff threshold.....90V

GENERAL

Dimensions.....17.25" W x 12" D x 3.5" H
Weight.....26 lbs.

DC TRIGGER

Connection.....1/8" mini-plug
Voltage and Polarity.....12VDC, bi-directional
Current Requirement.....30mA

SATELLITE CIRCUIT

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

ANT/CATV CIRCUIT

Clamping Level.....0.7V
Attenuation.....<1 dB from 50MHz - 950MHz
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

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

*Line to Neutral, Line to Ground, Neutral to Ground

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