Home Theatre Reference PowerCenter™ HTS 5000 MKII

Owner's Manual

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IMPORTANT SAFETY PRECAUTIONS

Please read and observe the following safety points at all times.

⚠ WARNING – Power Sources

Do not plug your Monster PowerCenter into a power outlet that differs from the source indicated for safe use on the Monster PowerCenter. If you don't know the type of electrical power that is supplied to your home, please consult your local power company.

⚠ WARNING – Grounding and Polarization

A. Your Monster PowerCenter has a three-wire grounding-type AC plug (a three-prong plug). This plug is designed to be inserted into a grounding-type outlet only. If this plug doesn't fit directly inside your outlet, do not attempt to force it into the outlet. [Never attempt to dismantle the plug in any way (or to alter an extension cord) to make it fit into a two-prong outlet. Do not attempt to defeat the grounding feature by using a 3-to-2 prong adapter. Instead, call a local electrician to install a properly grounded outlet.]

B. If you use rooftop devices such as satellite dishes, antennas, or any other component with wire that connects to your PowerCenter, be sure the wire(s) is properly grounded. Use grounding techniques specified in Section 810 of the National Electrical Code (NEC), ANSI/NFPA 70 (in Canada, Part 1 of the Canadian Electrical Code). This protects against harmful voltage surges and static discharges. Do not place any part of an antenna near overhead power lines, or any other power circuit. Do not touch any power line or power circuit. Doing so may cause you severe physical injury and possibly result in death.

⚠ WARNING – Liquid: To Avoid Electrical Shocks

Do not operate your Monster PowerCenter if liquid of any kind is spilled onto or inside the unit. Do not operate your Monster PowerCenter near rain or water that's spilled or openly exposed (e.g., bathtub, kitchen or bathroom sink).

⚠ WARNING – Power Cord Safety

A. When routing your Monster PowerCenter AC power cord, do not place it near heat sources or heavy foot traffic areas (e.g., hallways, doorways, and kitchen floors). Do not create a trip hazard with the power cord.

B. If your power cord's protective jacket begins to rip or fray, exposing the internal wiring, shielding, etc., disconnect it from the power source and discontinue use of the Monster PowerCenter immediately. Please refer to Appendix B for related warranty information.

⚠ WARNING – Proper Cleaning

In general, the only cleaning necessary for your Monster PowerCenter is a light dusting. Unplug your component from the wall outlet before cleaning it. Do not use any type of liquid or aerosol cleaners.

⚠ WARNING – Storm Precautions

In the event of a lightning storm, immediately disconnect your Monster PowerCenter from its power source. After you've done this, it's not necessary to disconnect any components that are connected to your Monster PowerCenter.

⚠ WARNING – No User Serviceable Parts Inside

If, for any reason, your Monster PowerCenter is not operating properly, do not remove any part of the unit (cover, etc.,) for repair. Unplug the unit and consult this owner's manual for warranty and service information.

⚠ CAUTION – Exposure To Heat

Do not expose your Monster PowerCenter to direct sunlight or place it near wall heaters, space heaters, or any enclosed space prone to temperature increase (e.g., car trunk).

PROPER GROUNDING AND INSTALLATION TIPS

⚠ CAUTION – Proper Grounding

Monster PowerCenters require a properly grounded 3-wire outlet for safety and to protect connected equipment. If your AC outlet is improperly wired (no ground or reverse polarity), the green "GROUND OK" and/or "WIRING OK" LED indicators on the front panel of the Home Theatre Reference PowerCenter™ HTS 5000 MKII will not light up. In this event, call a qualified electrician to fix the problem in your home's wiring.

Many older buildings are inadequately wired. It's very common for a building to be improperly grounded. Building wiring and grounding must conform to applicable NEC (USA) or CEC (Canada) codes for the $100,000 Limited Connected Equipment Warranty to be valid. If you're not sure about your home's wiring, have it checked by a qualified electrician.

Note to CATV Installer

This reminder is provided to call the CATV System Installer's attention to Article 820-40 of the NEC that provides specific guidelines for proper grounding and in particular, specifies that the cable ground shall be connected to the point of cable entry as practical.

IMPORTANT NOTE – Proper Power and Protection

To completely deliver clean power and protect your equipment against electrical surges, every phone, coaxial cable, or AC power cable in your system must be connected to an appropriate Monster PowerCenter.

IMPORTANT NOTE – Proper Protection and the Limited Connected Equipment Warranty

The $100,000 Limited Connected Equipment Warranty becomes invalid if any wire (phone, coax, or AC), or audio or video interconnect leading into the equipment comes from a component that is not properly protected by the Monster PowerCenter.

INTRODUCTION

Thank You

Thank you for purchasing Monster Power's Home Theatre Reference PowerCenter™ HTS 5000 MKII. The PowerCenter reflects Monster's commitment to creating performance-enhancing solutions for home theater systems, so you will enjoy superior picture and sound quality.

Ordinary AC power accessories compromise the quality of the components they power. The PowerCenter's advanced technologies and innovative design solve this problem and offer several unique convenience and performance features.

While your PowerCenter does an excellent job of protecting your components from harmful power surges, its main benefit is much more than just surge protection. Exclusive Clean Power™ v.2.0. filter circuitry virtually stops the noise that goes right through typical surge protectors. It isn't enough to only have filtering from a noisy incoming power line. That's why your PowerCenter also features revolutionary separate noise isolation between filtered digital, audio, and video outlets. If any noise from an electronic product plugged into an outlet gets through our Clean Power noise filters and to the power line, it will have to go through another filter to get to an adjacent set of outlets. The result is high quality picture and sound that's free from performance-damaging interference.

Another Monster Power breakthrough is the PowerCenter's ultra-low loss RF circuitry. While other "line conditioners" feature coaxial outlets for convenience, their insertion loss can be up to 30dB. The PowerCenter's incredibly small insertion loss makes it ideal for all digital coaxial connections such as DBS. Your PowerCenter also features an exclusive color-coding system which identifies which component should be plugged in where and outlet filter type (digital, high current audio, analog audio, and video). This way, you won't jeopardize performance by plugging a high current audio component into a video outlet.

As fellow audiophiles and videophiles, we designed your PowerCenter for the best possible sound and picture. Enjoy!

MONSTER'S PATENTED CLEAN POWER STAGES

Each PowerCenter features a stage of Clean Power. Clean Power performs two tasks vital to high performance audio, video and digital reproduction: filtration and isolation. The higher the Clean Power stage, the more sophisticated and advanced the filters are, to reject noise generated on the AC powerline. Also, the higher the Clean Power stage, the more isolation between connected equipment for maximum component-generated noise rejection. HTS 5000 MKII features Clean Power v.2.0 Stage 4 for the best possible possible performance.

Clean Power Stage 4: Five ultra-advanced isolated filters including two separate digital filters for separate digital sources, analog audio, video, and high current audio filters provide the best possible AC powerline noise rejection and isolation of audio equipment from video equipment for improved component-generated noise rejection. Ideal for audiophile and videophile a/v systems and reference home theaters.

THE DESIGN MINDS BEHIND THE MONSTER POWERCENTER

Richard Marsh – There are few experts able to solve the complex problems of AC power. Richard Marsh is one of the illustrious few. He has designed best selling power conditioning components costing more than $3,000 and now brings his expertise to Monster Power. Richard developed Monster's exclusive Clean Power ™ circuitry. He is also responsible for several other groundbreaking designs. Richard's background and research into amplifier and capacitor design led to his development of the Servo-DC feedback concept in power amplifiers – a concept that is used by virtually every amplifier manufacturer today. His status as both the inventor of the MultiCap™ internal bypass capacitor and as the driving force behind the high-end audio balanced circuit design concept has influenced the audiophile community for years. Richard is responsible for some of the high-end audio world's most respected product designs, essays and articles, and has contributed to *the Absolute Sound* and *Audio* magazines. He is included in *Who's Who in the West*.

Demian Martin – Demian Martin has been solving complex AC power problems for several years. As a technical consultant for successful paper and steel mills, Demian helped create several innovative AC power solutions. He developed techniques to dramatically improve the efficiency of these factories' high power motor control systems – up to 50,000 watts each. As a result, they avoided the costly premiums many factories must pay for AC power inefficiency. He now brings his expertise to Monster Power's elite research and development team.

Noel Lee – Noel Lee is best known for popularizing the concept of high performance audio cable over 20 years ago with his creation of Monster Cable. Originally a laser-fusion design engineer at Lawrence Livermore National Laboratory and later a touring musician, Noel has invented or co-invented over 125 U.S. and international patents and drives the explosive growth of the Monster Group into more than 80 countries worldwide. Monster Power is his realization of a long-nurtured vision of making affordable power solutions that deliver the best possible sound and picture.

CONTENT CHECKLIST

Before You Begin

Before you do anything, make sure you have everything you need to enjoy the high performance of your Monster PowerCenter. You'll need the following items to get started:

1) This owner's manual.

2) Your favorite pen or a computer with an Internet browser (for registering your warranty information).

3) One Monster Power Home Theatre Reference PowerCenter™ HTS 5000 MKII.

4) One sheet of Monster Power Color-Coded Audio/Video ID labels (included).

5) One Monster Video Cable (included) and one Monster Phone Cable (included).

6) One Remote AC Control Cable (included).

7) One pair of rack mount ears (included).

HOOKUP GUIDE

STEP 1 DBS/Phone Hookup

NOTE:

The PowerCenter is intended for hookup of a single phone line only. A second line will NOT be connected through the phone line surge protector. You can use the HTS 5000 MKII as a phone splitter, however. If the OUT 1 outlet is in use, the "PHONE IN USE – OUT1" LED will light up and the OUT 2 outlet will be disengaged. If the OUT 2 outlet is in use, the "PHONE IN USE – OUT2" LED will light up and the OUT 1 outlet will be disengaged. This telephone privacy circuit prevents eavesdropping.

FOR PAY-PER-VIEW DEVICES (SUCH AS DBS)

A) Connect one end of a phone cable into a telephone wall jack. Plug the other end into the HTS 5000 MKII "IN" jack (figure 1a).

B) Connect a second phone cable from either the "OUT 1" or "OUT 2" jacks to the Pay-Per-View input on your DBS receiver (figures 1b and 1c).

FOR STANDARD TELEPHONE LINE PROTECTION (NOT A PAY-PER-VIEW DEVICE)

A) Connect a phone cable from a telephone wall jack to the HTS 5000 MKII "IN" jack. Connect a second phone cable from either the "OUT 1" or "OUT 2" jacks to the telephone (figures 1b and 1c).

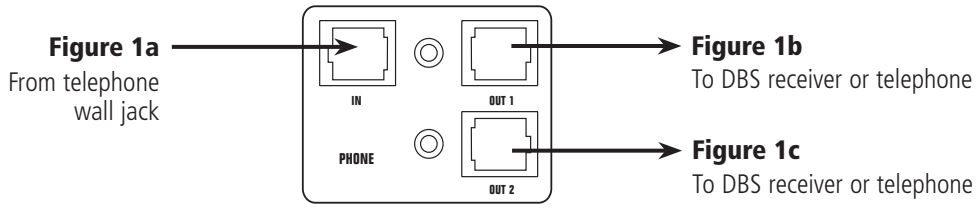


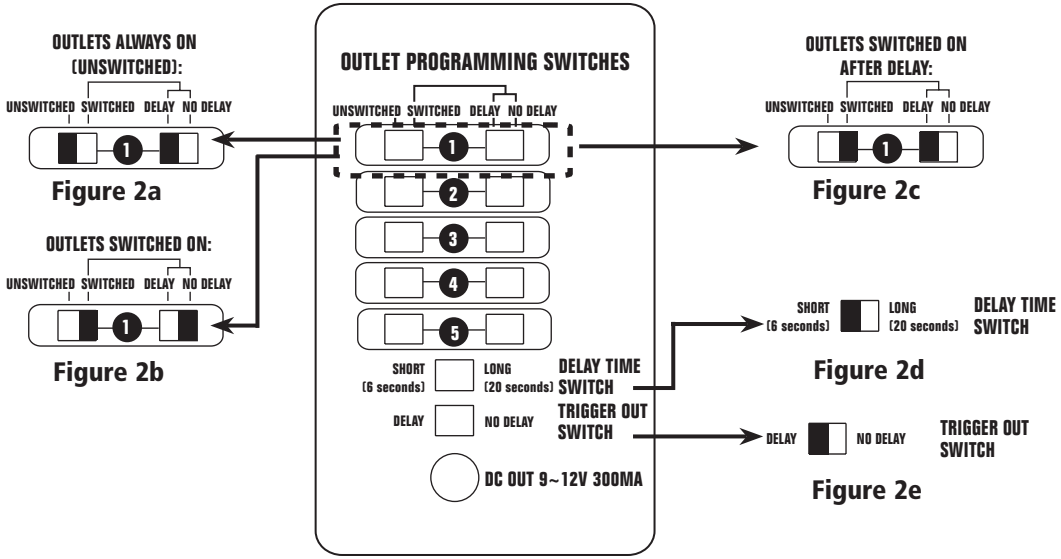
Figure 1

STEP 2 Outlet Programming

NOTE:

All PowerCenter outlets located on the rear panel are programmable. In order to program each outlet pair, you must use the recessed slide switches (fig.2). There are two recessed slide switches for each outlet pair that enable you to program among "unswitched", "switched on", and "switched on after delay" settings. You can change the settings, when necessary. Using the outlet pair labeled ❶ as an example, the following diagrams illustrate how to program the outlets:

Figure 2



A) Outlet Pair Always On (Unswitched): For components (such as your VCRs) that need to retain memory, set left slide switch to UNSWITCHED and the right slide switch to either DELAY or NO DELAY (fig. 2a).

B) Outlet Pair Switched On: Set the left slide switch to SWITCHED and the right slide switch to NO DELAY. (fig. 2b). The outlet pair will be "live" once the PowerCenter is switched on by pressing the front panel ON button or by external signal (see page 9 and page 10). However, it will remain active for approximately 10 seconds after switching off the PowerCenter.

C) Outlet Pair Switched On After Delay: Set the left slide switch to SWITCHED and the right slide switch to DELAY (fig. 2c). When the PowerCenter is switched on by pressing the front panel ON button or by external signal, the outlet pair will be "live" after a delay set by the DELAY TIME switch. However, the outlet pair will be turned off immediately once the PowerCenter is switched off by pressing the front panel OFF button or by external signal.

D) Delay Time Switch: Set to SHORT, outlets will receive power after a delay of approximately 6 seconds, once the PowerCenter is switched on (fig. 2d). Set to LONG, outlets will receive power after a delay of approximately 20 seconds, once the PowerCenter is switched on. This is the recommended delay setting for tube-based products.

NOTE: This switch affects all outlet pairs which are programmed as "switched on after delay"

E) Trigger Out Programming Switch: Set to DELAY, the 12 volt remote trigger will power an external device after a delay set by the DELAY TIME switch once the PowerCenter is switched on (fig. 2e). Set to NO DELAY, the 12 volt trigger powers an external device as soon as the PowerCenter is switched on.

STEP 3 Remote AC Control Hookups

NOTE:

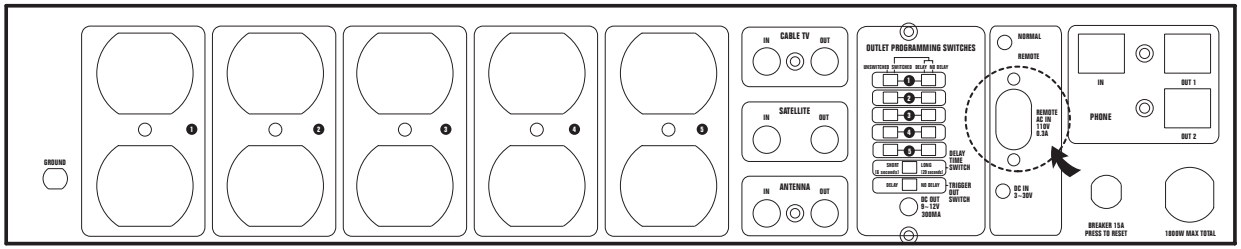
This feature allows you to turn on/off your PowerCenter via your A/V receiver or preamplifier. You can't turn off the PowerCenter using the front panel OFF button when the NORMAL/REMOTE switch is switched to REMOTE.

A) Plug the Remote AC Control cable's (included) female end into back of your PowerCenter (see diagram below).

B) Switch the NORMAL/REMOTE switch (located on the back of the PowerCenter) to REMOTE.

C) Press the OFF button to turn off the PowerCenter.

D) Plug the Remote AC Control Cable's 2-prong male end into a switched AC power outlet on a receiver or preamplifier. When you turn on your receiver or preamplifier the PowerCenter's outlets programmed as "switched on" will be turned on immediately. However, the PowerCenter's outlets programmed as "switched on after delay" will be turned on after a delay set by the DELAY TIME switch.



STEP 4 Remote DC Control Hookups

NOTE:

This feature allows you to turn on/off your PowerCenter via your Home Automated Control System. A component you don't want powered constantly (such as your projector or surround amplifier) can be plugged into one of the PowerCenter's outlets programmed as "switched on" or "switched on after delay" and be remotely activated when needed. This feature also allows you to use a low voltage cable (not supplied) to remotely control multiple PowerCenters.

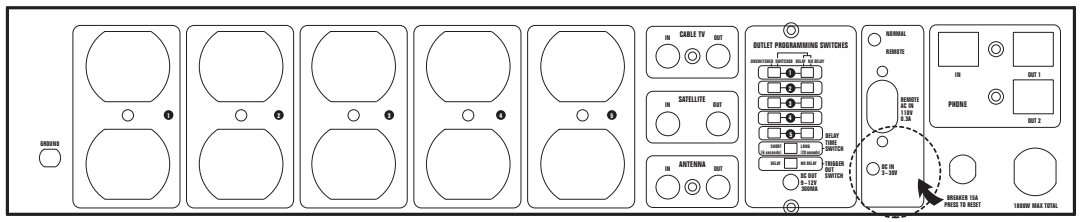
You can't turn off the PowerCenter using the front panel OFF button when the NORMAL/REMOTE switch is switched to REMOTE.

A) Plug a 1/8" mini-plug cable (not supplied) into the corresponding outlet on the PowerCenter (see diagram below).

B) Switch the NORMAL/REMOTE switch (located on the back of the PowerCenter) to REMOTE.

C) Press the OFF button to turn off the PowerCenter.

D) Plug the other end of the cable into the corresponding outlet on your component that has a DC output. When you turn on the component, the PowerCenter's outlets programmed as "switched on" will be turned on immediately. However, the PowerCenter's outlets programmed as "switched on after delay" will be turned on after a delay set by the DELAY TIME switch.

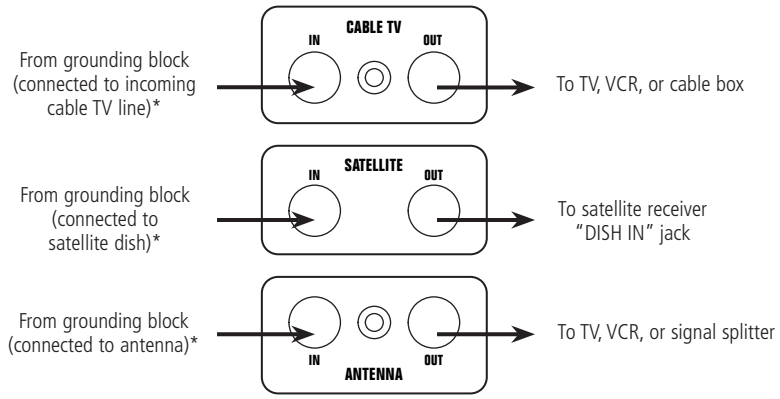


STEP 5 Coaxial Outlet Hookup

NOTE:

You will need additional coaxial cables to connect the PowerCenter to your components.

Protect Cable TV, Satellite, and Antenna Connections as Follows:



*See illustration on page 18 regarding proper grounding.

STEP 6 High Current Audio Filter AC Outlet Hookup

Isolated Clean Power v.2.0 Stage 4 Ultra-High Current Filter: Optimized for maximum noise rejection, while providing maximum current to high current audio components.

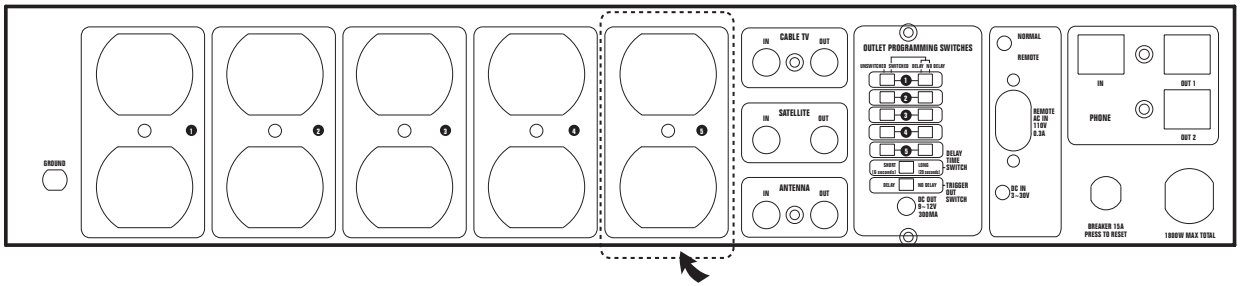
NOTE:

You may want to program these outlets to be "switched on after delay" (see page 7, fig. 2c) to enable sequential power activation. This way, power amplifiers are turned on last and turned off first, preventing the "thump" from getting to your speakers. See "STEP 2: Outlet Programming" (page 7) for details.

A) Attach a Monster Power® ID label to each component's power cord before you plug it into the appropriate color-coded PowerCenter outlet.

B) MAIN AMP: Plug your power amplifier's power cord into the PowerCenter's corresponding MAIN AMP outlet.

C) SURROUND AMP: If you have a surround sound amplifier, plug its power cord into the corresponding SURROUND AMP outlet. If you are using additional high current audio equipment, plug its power cord into the same outlet.



STEP 7 Analog Audio Filter AC Outlet Hookup

Isolated Clean Power v.2.0 Stage 4 Analog Audio Filter: Optimized to provide maximum noise rejection for sensitive analog audio components.

NOTE:

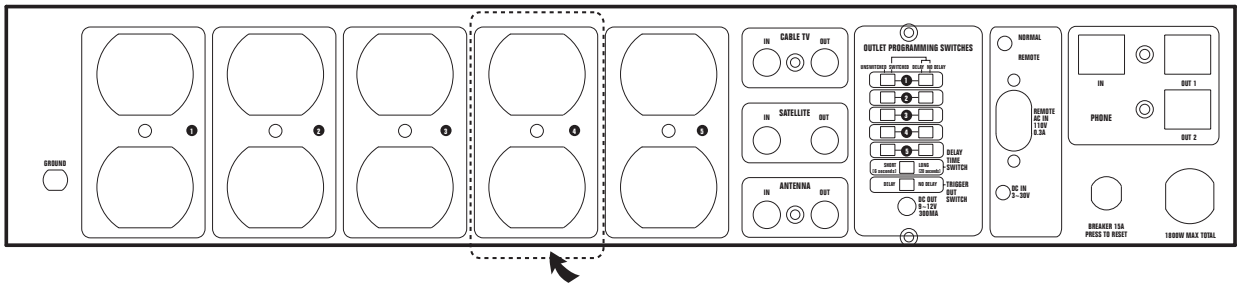
Because certain components don't need to, or shouldn't be turned on continuously, you should program these outlets to be "switched on" (see page 7, fig. 2b). This means the components plugged into these outlets won't receive power or shut down unless your PowerCenter is turned on or off.

You can plug analog audio components such as preamplifiers into these outlets.

A) Attach a Monster Power® ID label to each component's power cord before you plug it into the appropriate color-coded PowerCenter outlet.

B) PREAMP: Plug either your preamplifier's power cord into the PowerCenter's corresponding PREAMP outlet.

C) A/V RECEIVER: Plug your AV receiver's power cord into the corresponding A/V RECEIVER outlet.



STEP 8 Video Filter AC Outlet Hookup

Isolated Clean Power v.2.0 Stage 4 Video Filter: Optimized to reduce noise generated by video equipment. Isolates video components from connected digital, video, analog audio, and high current audio components for maximum rejection of interference.

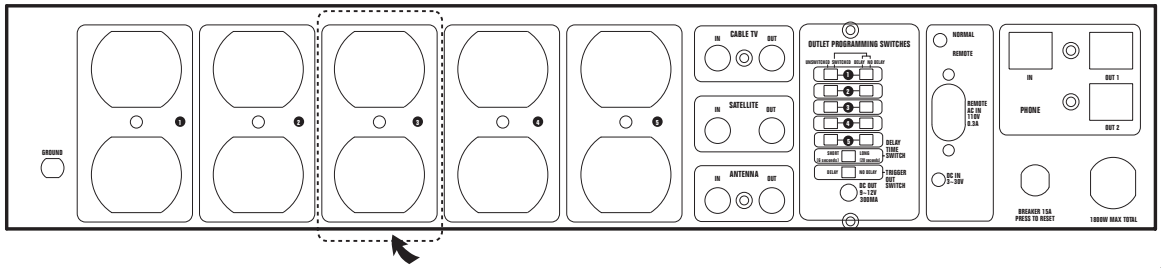
NOTE:

You may want to program these outlets to be "unswitched" (see page 7, fig. 2a) because some components perform best when powered continuously. A VCR, for example, should be plugged into one of these outlets to avoid the hassle of resetting its clock when power is interrupted. Whether you turn your PowerCenter on or off, any component plugged into these outlets can receive power continuously as long as your PowerCenter is plugged into a properly grounded 120-volt wall socket and the OUTLET PROGRAMMING SWITCHES for the outlet pair are set to "unswitched". You can plug any type of analog video component (e.g., VCR, camcorder) into these two outlets.

A) Attach a Monster Power® ID label to each component's power cord before you plug it into the appropriate color-coded PowerCenter outlet.

B) VCR: Plug your VCR's power cord into the PowerCenter's corresponding VCR outlet.

C) TV/MONITOR: Plug your TV's power cord into the corresponding TV/MONITOR outlet.



STEP 9 Digital Filter AC Outlet Hookup

Isolated Clean Power v.2.0 Stage 4 Digital Filter: Optimized to reduce noise generated by digital equipment. Isolates digital components from connected digital, video, analog audio, and high current audio components for maximum rejection of interference. HTS 5000 MKII features two isolated filters to accommodate different digital sources.

NOTE:

You can plug any type of digital component (e.g., CD player, DVD player, MiniDisc player, digital camcorder) into the corresponding CABLE/SAT, DVD, SPARE, or CD outlet.

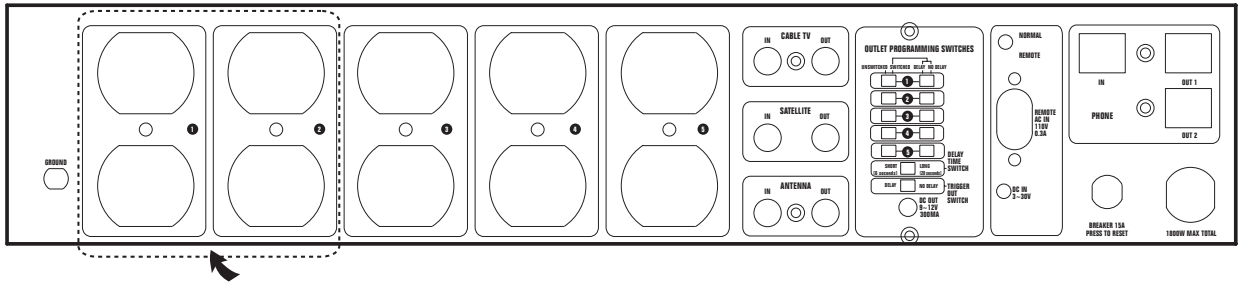
A) Attach a Monster Power® ID label to each component's power cord before you plug it into the appropriate color-coded PowerCenter outlet.

B) CABLE/SAT: If you have a cable TV box, plug its power cord into the PowerCenter's corresponding CABLE/SAT outlet. If you are using a satellite receiver, plug its power cord into the same outlet.

C) DVD: If you have a DVD player, plug its power cord into the corresponding DVD outlet. If you are using a LaserDisc player, you can also plug it into this outlet. If you have a LaserDisc player and a DVD player, you can plug either component into any of these four AC outlets designed for digital components.

D) SPARE: Plug your additional digital component into the corresponding SPARE outlet

E) CD: Plug your CD player's power cord into the corresponding CD outlet.



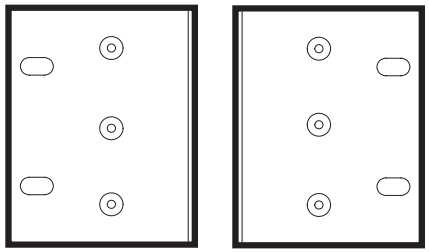
STEP 10 Rack Mounting Your PowerCenter

A) Remove your PowerCenter trim covers using a 3/32 Allen key (not included). Turn each Allen screw counter-clockwise until it is completely removed.

B) Align one rack ear over the three 3/32 holes on the left side of the PowerCenter. Using a 3/32 Allen key, turn each Allen screw clockwise until tight.

C) Align the remaining two holes on the left side of the rack ear with the two holes on the left side of your rack. Using a screwdriver, turn two screws (not included) that fit the rack's screw holes clockwise until tight.

D) Repeat steps B and C for installation of the rack ear on the right side of the PowerCenter.

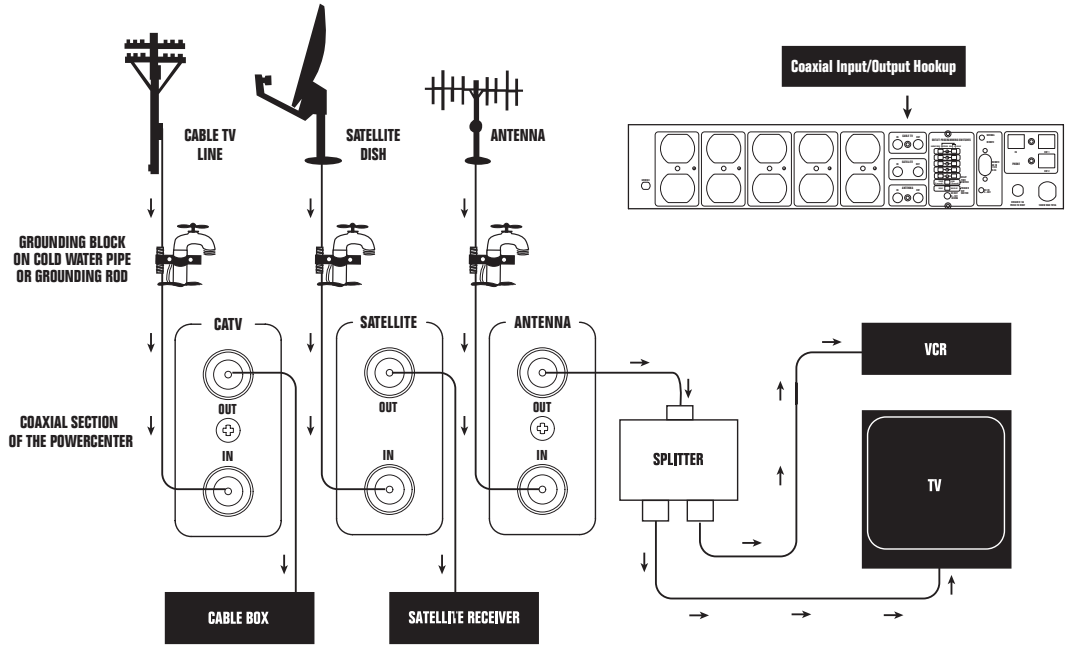


Rack Ears

GROUNDING YOUR CABLE TV, SATELLITE DISH, AND ANTENNA CONNECTIONS

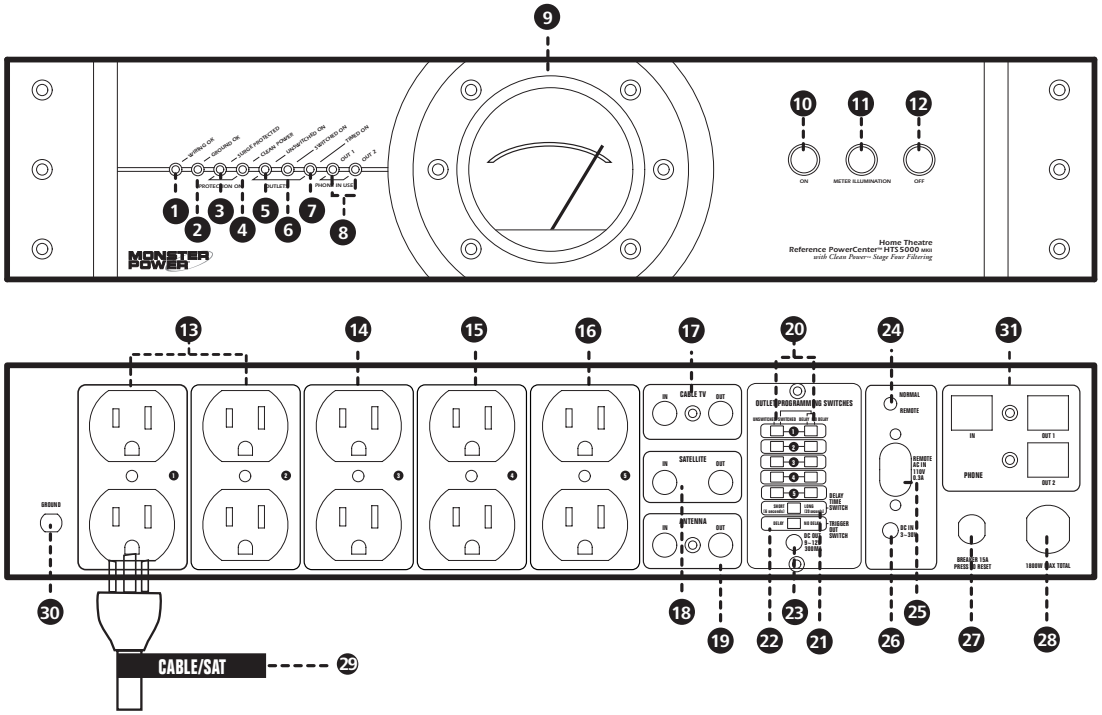
IMPORTANT NOTE:

Improper grounding can easily result in surge damage, regardless of the Clean Power™ filters and surge protection provided by your PowerCenter. Proper grounding can only be accomplished by using a special grounding block attached to a cold water pipe or copper ground rod driven into the ground. Consult with a qualified electrician to verify your outdoor connections are grounded properly.



HTS 5000 MKII FEATURES

PLEASE TURN TO NEXT PAGE FOR DESCRIPTION OF PRODUCT FEATURES



HTS 5000 MKII FEATURES

NUMBERS REFER TO DRAWINGS ON PAGE 19

INDEX DRAWINGS

1. **Wiring OK LED:** Indicates that L-N polarity is correct on the AC outlet that powers the PowerCenter. If the LED is off, unplug the PowerCenter and consult an electrician.
2. **Ground OK LED:** Indicates the PowerCenter is plugged into a properly grounded 120V AC power outlet.
3. **Surge Protected LED:** Indicates Monster Power Surge Protection Circuitry is functioning properly.
4. **Clean Power LED:** Indicates Monster Clean Power circuitry is functioning.
5. **Unswitched On LED:** Indicates components plugged into the outlets programmed as "unswitched" are receiving AC power.
6. **Switched On LED:** Indicates components plugged into the outlets programmed as "switched on" will receive AC power when the ON button is pressed.
7. **Timed On LED:** Indicates components plugged into the outlets programmed as "switched on after delay" will receive AC power after a delay.
8. **Phone In Use LED:** Indicates activities on the phone line.
9. **Expanded Scale Volt Meter With Adjustable Illumination:** Display incoming voltage in Volts.
10. **On Button:** Press to turn on outlets programmed as "switched on" or "switched on after delay".
11. **Meter Illumination:** Adjusts the brightness of the volt meter.

12. Off Button: Press to turn off outlets programmed as "switched on" or "switched on after delay".

13. Digital Isolation Filters: For digital components such as CD players, DVD players, and satellite receivers, special filter circuit designed to reduce interference such as digital noise from your components getting into the rest of your system.

⚠ **NOTE:** It does not harm analog audio or analog video components to be connected to the digital filter outlet section. However, for the best possible performance, we recommend plugging in only digital components here.

14. Video Interference Reduction Filter: Special filter circuit designed to reduce interference (such as wide band noise that would disturb video performance) to your video components.

⚠ **NOTE:** It does not harm audio or digital components to be connected to the video filter outlet section. However, for the best possible performance, we recommend plugging in only video components here.

15. Analog Audio Filter: For analog audio components such as preamplifiers and tape decks, special filter circuit that reduces noise from the AC power line that would degrade the audio performance.

⚠ **NOTE:** It does not harm video or digital components to be connected to the analog audio filter outlet section. However, for the best possible performance, we recommend plugging in only analog audio components here.

⚠ **NOTE:** After a powerline or lightning surge, the HTS 5000 MKII may provide an audio tone from its internal buzzer. If the SURGE PROTECTED indicator is off, the unit will no longer provide surge protection.

16. High Current Audio Filter: For high current audio components such as power amplifiers, special filter circuit to reduce noise from the AC power line that would degrade the audio performance and to optimize high current demand.

⚠ **NOTE:** It does not harm low current audio, video, or digital components to be connected to the high current audio outlet section. However, for the best possible performance, we recommend plugging in only high current audio components here.

17. Cable TV Coaxial Input/Output: The input connects the coaxial cable from a wall cable outlet. The output connects the coaxial cable to the input of your TV, VCR, or cable box.

18. Satellite Coaxial Input/Output: The input connects the coaxial cable from your satellite dish. The output connects the coaxial cable to the input of your satellite receiver.

19. Antenna Coaxial Input/Output: The input connects the coaxial cable from your TV antenna. The output connects the coaxial cable to the input of your TV, VCR, or splitter.

20. Outlet Programming Switches: Enables you to program each outlet pair to be either "unswitched", "switched on", or "switched on after delay".

21. Delay Time Switch: Selects delay time.

22. Trigger Out Programming Switch: Determines whether the 12V remote trigger powers an external device immediately or after a delay.

NUMBERS REFER TO DRAWINGS ON PAGE 19

23. **1/8 Inch Mini-Plug Jack Output for Remote DC hookup:** Enables remote control of an external device.

24. **Normal/Remote Switch:** Allows the PowerCenter to operate in Remote or Normal modes. In Remote mode, outlets programmed as "switched on" or "switched on after delay" are turned on/off by external signal.

25. **Remote AC Hookup:** Connects to a switched outlet on an external device. Used in conjunction with the NORMAL/REMOTE switch, it enables remote control of the PowerCenter's outlets.

26. **1/8 Inch Mini-Plug Jack Input for Remote DC Hookup:** Used in conjunction with the NORMAL/REMOTE switch, enables remote control of the PowerCenter's outlets by external devices.

27. **Thermal Circuit Breaker:** Protects the PowerCenter from power overload.

28. **Extra-long 8 ft. Ultra-High Current PowerLine™ 200 Power Cord:** For maximum power delivery and easy reach to outlets.

29. **Monster Power Color-Coded Audio/Video ID Labels:** For easy identification of your components and where they're connected.

30. **Ground Post:** Provides a ground reference point for ungrounded components.

31. **Phone Line:** Allows hookup of two telephones simultaneously.

TROUBLESHOOTING

PROBLEM – The PowerCenter is not receiving power.

Possible Cause #1
The PowerCenter is not turned on.

Possible Solutions
- *Press the ON button on the PowerCenter.*
- *Make sure the PowerCenter's AC power plug is plugged into a properly grounded 120V wall outlet.*
- *In some households, a wall switch may need to be thrown to make the wall outlet come alive. Try turning on the light switches located near the wall outlet powering the PowerCenter.*

Possible Cause #2
Too many devices are connected, causing an overload, throwing the thermal circuit breaker. Please note: The total power consumption on all the components powered by the PowerCenter should not exceed 1800 watts.

Possible Solutions
- *Press the PowerCenter's thermal circuit breaker (labeled BREAKER 15A on the back panel) button in to reset. Please allow 10 minutes from the time the circuit breaker is initially thrown before attempting to reset. If you reset too soon, the breaker will prematurely sense power overload and not allow unit to operate.*
- *Disconnect any component that may be overloading the PowerCenter.*

TROUBLESHOOTING (continued)

Possible Cause #3
The PowerCenter's power cord is plugged into an outlet on the back of one of your components and the component is not turned on.

Possible Solution
- *Turn on the component.*

  NOTE: For the best possible performance, plug the PowerCenter into a wall outlet, not an outlet on another component.

Possible Cause #4
The PowerCenter is defective.

Possible Solution
- *Please see page 35 for warranty information.*

PROBLEM – PowerCenter is not providing power to the components.

Possible Cause #1
The component is plugged into an outlet programmed as "switched on" or "switched on after delay" and the PowerCenter has not been turned on.

Possible Solutions
- *Press the ON button on the PowerCenter. The components plugged into the PowerCenter"s outlets programmed as "switched on" should be turned on immediately.*
- *Press the ON button on the PowerCenter and wait for a few seconds for the components plugged into the PowerCenter"s outlets programmed as "switched on after delay" to be turned on.*
- *Or, plug the component into an outlet programmed as "unswitched".*

TROUBLESHOOTING (continued)

Possible Cause #2
PowerCenter is plugged into a switched outlet on a component which is not turned on. The PowerCenter will not receive power and therefore will not provide power to the components plugged into the PowerCenter's outlets.

Possible Solution
- *Turn on the component.*

  NOTE: For the best possible performance, plug the PowerCenter into a wall outlet, not an outlet on another component.

Possible Cause #3
The PowerCenter is defective.

Possible Solution
- *Please see page 35 for warranty information.*

PROBLEM – Speakers emit a humming or buzzing noise.

Possible Cause
The PowerCenter is sharing AC power with equipment that is not properly grounded.

Possible Solution
- *Connect your PowerCenter to a dedicated outlet.*

TROUBLESHOOTING (continued)

PROBLEM – The "UNSWITCHED ON" LED is off.

Possible Cause
The PowerCenter is not plugged into a properly grounded AC outlet.

Possible Solution
- *Plug the PowerCenter into a properly grounded 120V outlet.*

PROBLEM – The "SWITCHED ON" LED is off.

Possible Cause #1
You are using the Remote AC Control feature (see page 9) and haven't plugged the Remote AC Control Cable into either the PowerCenter's corresponding outlet or the component you wish to activate the Remote AC Control feature.

Possible Solution
- *Plug one end of the Remote AC Control Cable into the PowerCenter's corresponding outlet and the other end into the component you wish to activate the Remote AC Control feature. Once you turn on the component, the "SWITCHED ON" LED should light up.*

Possible Cause #2

You are using the Remote DC Control feature (see page 10) and haven't plugged a 1/8" mini-plug cable into either the PowerCenter's corresponding outlet or the component you wish to activate the Remote DC Control feature.

Possible Solution

- *Plug one end of the mini-plug cable into the PowerCenter's corresponding outlet and the other end into the component you wish to activate the Remote DC Control feature. Once you turn on the component, the "SWITCHED ON" LED should light up.*

Possible Cause #3

The component you wish to use to activate the Remote AC (or DC) Control feature isn't plugged into a properly grounded 120V outlet.

Possible Solution

- *Plug the component into a properly grounded 120V outlet.*

PROBLEM – "TIMED ON" LED is Off.

Possible Cause #1

You are using the Remote AC Control feature (see page 9) and haven't plugged the Remote AC Control Cable into either the PowerCenter's corresponding outlet or the component you wish to activate the Remote AC Control feature.

Possible Solution

- *Plug one end of the Remote AC Control Cable into the PowerCenter's corresponding outlet and the other end into the component you wish to activate the Remote AC Control feature. Once you turn on the component, the "TIMED ON" LED should light up after approximately either 6 or 20 seconds, depending on the setting of the DELAY TIME switch.*

TROUBLESHOOTING (continued)

Possible Cause #2

You are using the Remote DC Control feature (see page 10) and haven't plugged a 1/8" mini-plug cable into either the PowerCenter's corresponding outlet or the component you wish to activate the Remote DC Control feature.

Possible Solution

- *Plug one end of the mini-plug cable into the PowerCenter's corresponding outlet and the other end into the component you wish to activate the Remote DC Control feature. Once you turn on the component, the "TIMED ON" LED should light up after approximately either 6 or 20 seconds, depending on the setting of the DELAY TIME switch. .*

Possible Cause #3

The component you wish to use to activate the Remote AC (or DC) Control feature isn't plugged into a properly grounded 120V outlet.

Possible Solution

- *Plug the component into a properly grounded 120V outlet.*

FREQUENTLY ASKED QUESTIONS

Q. What is the importance of component-to-component filtering?

A. With the Monster PowerCenter, AC power must first go through a segment of noise filters, which isolates your equipment from noise on the AC power line. Most manufacturers' battle against line noise stops there. The next crucial step of noise filtering must occur between components. Our patent-pending component-to-component noise filtering is one of the PowerCenter's incredibly innovative features because it protects components from degrading each other's performance via their own special brand of interference. The PowerCenter outlets are all directly connected, so the noise that's generated by a particularly noisy component (digital components like CD players are infamous for this) will attempt to get onto other components. It will not, however, because it must to go through a specialized filter to get to an adjacent outlet, and noise is eliminated for the best possible sound and picture.

Q. Does it matter which outlets I plug my components into?

A. Yes. Each group of outlets is specifically designed to protect and maximize performance of ONLY the components they are intended to power. For example, a power amplifier is high current device and has a special high current audio filter that allows for the greater power requirement and still reduces noise from the AC power line. A VCR is not a high current device, like an amplifier, and the filter used with video products like this one reduces a wider band of noise that is specific to video products. In summary, each type of component receives separate noise filtering to accommodate the inherent needs and differences.

FREQUENTLY ASKED QUESTIONS

Q. Will it harm a component to plug it into an outlet that it's not designated to power, like a high power amplifier into an outlet marked for TV?

A. No. However, you may not realize the full performance potential of the component.

Q. If my PowerCenter stops operating, what do I do?

A. First you need to check the reset button (labeled as BREAKER 15A on the PowerCenter's rear panel). It is possible the overload came from your high-powered audio equipment. If your system were to draw too much power, a special circuit breaker may kick in. To restore the operation of your PowerCenter, wait for 10 minutes and press the reset button. If power is still not restored to your PowerCenter, please refer to the TROUBLE SHOOTING section and read through the related troubleshooting situations.

Glossary of Power-Related Terms

Audio Noise: In the audio-frequency range, any electrical disturbance introduced from a source extraneous to the signal.

Alternating Current (AC): A flow of electricity which reaches maximum positive polarity in one direction, decreases to zero, then reverses itself and reaches maximum negative polarity in the opposite direction. This cycle is repeated continuously.

Amp: A common abbreviation for Ampere, a unit of electrical current or rate of flow of electrons.

CSA: A common abbreviation for Canadian Standards Association. CSA has developed over 200 standards, including several for electrical and electronic products.

Clean Power™: Noise filtering designed exclusively for Monster Power products by renowned engineer/inventor Richard Marsh. Filters out unwanted interference caused by RFI, EMI, and component-generated noise, so components plugged into a PowerCenter can deliver maximum performance without noise entering their signal path.

Conducted Noise: Any unwanted electrical signal conducted on the power lines supplying the equipment.

Current: The movement of electrons through a conductor.

Digital Noise: In the digital-frequency range, any electrical disturbance introduced from a source extraneous to the signal.

Direct Current (DC): A flow of continuous electric current in positive or negative polarity.

Electromagnetic Interference (EMI): Electromagnetic phenomena in which various appliances and components generate interference that can contribute to a degradation in performance of an electronic receiver or system.

Filter: A selective network of resistors, inductors, or capacitors which offers comparatively little opposition to certain frequencies, while blocking or attenuating other frequencies.

Ground: A point in an electrical system that has zero voltage. Usually, the chassis of an electrical component is at ground potential and thus serves as the return path for signals as well as for power circuits.

Hertz (Hz): A unit of frequency equal to one cycle per second.

Joule Rating: A measurement of how much surge can be absorbed by a surge suppressor device. The higher the joule rating, the more surge it can absorb.

Peak Current: The maximum current which flows during a complete cycle without permanent change in breakdown ratings or published life specifications.

Power: The energy dissipated into an electrical or electronic circuit or component that is conducting either AC or DC. Electrical energy developed to do "work" such as the voltage from an amplifier used to drive a speaker.

Power Line: Two or more wires conducting electric power from one location to another.

Radio Frequency Interference: Any electrical signal capable of being propagated into and interfering with the proper operation of electrical or electronic equipment. The frequency range of such interference may be taken to include the entire electromagnetic spectrum.

Spike: An abrupt transient which comprises part of a pulse, but exceeds its average amplitude considerably.

Surge: A large, sudden change of voltage or current, usually caused by the collapse of a magnetic field or by a shortened or opened circuit element.

Surge Protector: A device which protects component circuitry from high alternating voltage peaks or transients.

Transient: A momentary surge on a signal or power line which may cause component breakdown or failure.

UL: A common abbreviation for Underwriters' Laboratories, Inc., a corporation supported by some underwriters for the purpose of establishing safety standards on types of equipment or components.

Video Noise: In the video-frequency range, any electrical disturbance introduced from a source extraneous to the signal.

Volt (V): The unit of measurement of electromotive force.

Voltage Rating: The maximum voltage which an electrical device or component can sustain without breaking down.

A division of The Monster Group™
455 Valley Drive • Brisbane • CA 94005
Visit us on the web at: monstercable.com

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