

INSTALLATION & OPERATION GUIDE



Intelligent Power Management Systems.



AC-8DSS+

8 OUTLET POWER MANAGEMENT SYSTEM



BLENDING HIGH FIDELITY AND ARCHITECTURE®



IMPORTANT SAFETY PRECAUTIONS



Your iPOWER™ product represents the latest in power management and protection technology. However, like any electronic device, an inappropriately or improperly installed device may not perform as intended. By following a few common sense precautions, your iPOWER™ product will give you a lifetime of worry-free performance.

The following safety precautions apply to all iPOWER™ products.

READ AND OBSERVE THE FOLLOWING SAFETY PRECAUTIONS AT ALL TIMES.



WARNING! Power Source: Use only with a 3-prong standard AC outlet or a GROUNDED 2 to 3 prong adapter. iPOWER™ products cannot provide power protection without a grounded AC source. Never use a 3 to 1 adapter plug— this will disable all protection from your iPOWER™ unit and will void the Limited Lifetime Warranty and Connected Equipment Guarantee.

All rooftop devices connected to your iPOWER™ products should be grounded according to the National Electrical Code (NEC). Do not place any rooftop device where it can come into contact with power lines or any power circuit.



WARNING! Operating Voltage: Any equipment plugged into an iPOWER™ product must have a 120V, 60Hz rating.



WARNING! Power Rating: Check the power consumption (watts) of each device that will be powered by an iPOWER™ product. Be sure that the total of all devices being connected does not exceed 1800 watts.



WARNING! Water and Moisture: Do not use any iPOWER™ product in an area where it may get wet, such as near a bathtub, sink, laundry facility, in a wet basement, or near a swimming pool.



WARNING! Ventilation: While iPOWER™ products do not generate a significant amount of heat, they should not be placed directly on a bed, rug, or sofa that may obstruct the unit's natural heat dissipation abilities.



IMPORTANT SAFETY PRECAUTIONS



CAUTION! Heat: iPOWER™ products should not be placed on or in close proximity to heat sources such as radiators, heat registers, stoves, or on top of other devices (including amplifiers and receivers) that produce heat.



WARNING! Power Cord Protection: Power cords and remote trigger cables should be routed so that they are not likely to be walked on, chewed by pets, or pinched by objects placed on them. Pay special attention to the place where the cord meets the plug and where the cord enters the device.



WARNING! Object And Liquid Entry: Care should be taken that no objects or liquids fall onto or into the device. Do not use alcohol on the device.



WARNING! Damage Requiring Service: Customers should not attempt to repair iPOWER™ products. These devices should be serviced by an authorized service technician when:

- The power supply cord or the plug has been damaged
- Objects have fallen, or liquid has been spilled, into the device
- The device has been exposed to rain
- The device shows a marked change in performance or does not appear to function normally
- The device has been dropped, or the enclosure has been damaged

CONGRATULATIONS!

Thank you for purchasing a Niles iPOWER™ Intelligent Power Management System. Niles iPOWER™ products are the result of years of research and development and are the most advanced and complete power management devices available. With iPOWER™ in your system, you have complete confidence knowing that your audio/video components have a clean power supply free of noise and distortion. The result—your home entertainment system will perform as its designers intended, while being fully protected from electrical noise and potentially damaging spikes and surges.

In addition to power protection and performance enhancement, the iPOWER™ AC-8DSS+ offers triggering options which allow for control of your system's start-up and shut-down procedures. With a little planning, your AC-8DSS+ can put control of your home entertainment system at your fingertips.

Niles manufactures the industry's most complete line of custom installation components and accessories for audio/video systems. For a free full-line catalog write: **Niles, Catalog Request, P.O. Box 160818, Miami, Florida 33116-0818 or visit our web site at www.nilesaudio.com.**

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INTRODUCTION

Never in the history of power protection has there been a product line that has revolutionized the industry the way that Niles' iPOWER™ has. iPOWER™ Intelligent Power Management Systems represent a breakthrough in three main areas: *power protection*, *noise filtration*, and *power management*. Based on solid scientific principles, clever engineering, and fastidious execution, iPOWER™ devices are built to the most stringent standards in the industry and provide the maximum electrical protection and advanced performance enhancing technology.

iPOWER's i3™ (*instantaneous, impenetrable, and virtually indestructible*) three-stage power protection circuitry stands head and shoulders above the industry in terms of delivering instantaneous response time. Its clamping levels are among the lowest in the industry, providing unrivaled electrical protection for its connected equipment. Its iQ™ Optimal Q Impulse Noise Filtering technology has the ability to reduce detail-obscuring “noise” on the AC power line, resulting in performance that's sure to please even the most demanding eyes and ears. In fact, iPOWER™ may be the first “audiophile-approved” power protection technology available at any price. Additionally, its iDefinition™ HDTV-ready coax circuitry provides protection while minimizing signal loss from input to output so images are razor sharp and colors are vivid. Plus, with a full complement of true line diagnostics, an intuitive, flexible triggering protocol, and user-friendly one button operation, your AC-8DSS+ puts you in complete control of your system.



**Model AC-8DSS+
8 Outlet Power Management System**

KEY TECHNOLOGIES

i3™ Three-Stage Circuit Topology — Power Protection for the Real World

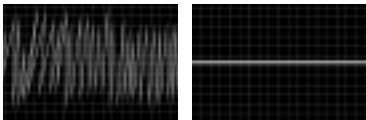
iPOWER's i3™ (instantaneous, impenetrable, and virtually indestructible) circuit topology represents a breakthrough in power protection technology. A three-stage design comprised of Gas Tubes, Metal Oxide Varistors (MOV's) and a proprietary Low-Impedance In-Line Filter, the i3™ circuitry delivers instantaneous protection.

Most MOV-based surge protection devices use a circuit topology that is sacrificial in nature. Like an air bag in an automobile, they are designed to “blow up,” sacrificing their internal circuitry in order to protect the connected equipment during a severe surge event. Sooner or later they fail in the line of duty leaving connected equipment unprotected. As a radical departure from this philosophy, all Niles iPOWER™ products with i3™ protection technology are non-sacrificial in nature. This unique design enables iPOWER™ to protect your equipment time and time again.

While UL's® most rigorous standard for voltage let through is 330 volts, Niles iPOWER™ products with i3™ protection technology have a consistent clamping level of less than 300V. In addition, all iPOWER™ products clamp at a mere 40V over peak standard line voltage (ANSI/IEEE C62.45 6000V 100 kHz Ring Wave Test), adding a level of protection rarely found in the industry.

iQ™ Optimal Q Noise Filtration

All of the Power — None of the Noise. Computers, household appliances, and RF broadcasts can introduce “noise” onto the AC power line, obscuring audio detail and video resolution. By their very nature, conventional AC power line noise filtration circuits limit electrical current flow, stealing the “punch” from high-current power amplifiers. The Niles iPOWER iQ™ optimal Q impulse noise filtration circuitry simultaneously achieves both noise reduction and the proper power line loading necessary for dynamic performance. Through careful research and with the deployment of advanced electrical components, a sophisticated design that varies the Q of the circuit topology was created. With this design, iPOWER™ products achieve an outstanding 50dB of common mode rejection and 60dB of differential mode rejection—without current choking. iPOWER™ delivers both the performance *and* the power.



iQ™ reduces up to 99.9% (60dB) of AC power line noise.
The above graphics simulate AC power line noise reduction.

iDefinition™ Constant Impedance Technology

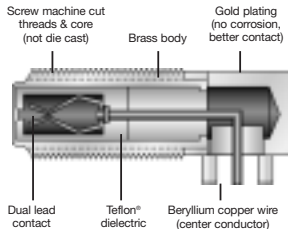
Unfortunately, many surge suppression devices protect coax connections with little regard to the impact on performance. In these circuits, the signal comes in as a specific frequency but leaves as something entirely different. This signal variation often results in ghosting, a lack of detail and impact, and even drop-out. iPOWER's™ iDefinition™ circuitry strives to maintain a perfect 75 ohm impedance throughout the entire circuit. It combines superior components with a proprietary circuit that both protects your coax connections from harmful surges and minimizes the signal loss from input to output. The result, razor sharp images and full compatibility with both existing and upcoming digital video sources like DSS, DTV and HDTV. You'll have both peace of mind and enjoy all the breathtaking performance that digital audio and video deliver.



Above graphics simulate digital signal degradation.

Groundbreaking F-Connector Technology

It has been said that a chain is only as strong as its weakest link, and this is just as true for an electrical circuit. Electronic devices have become increasingly more sophisticated over the years, while the basic hardware supporting their use has gone unchanged for decades. At Niles, we realized early in the development of iPOWER™ that one of the weakest links in the power management chain was in F-connector quality and construction. Your AC-8DSS+'s F-connectors incorporate six major advances in materials, design and construction that ensure the highest audio and video resolution possible.



Machine-Cut Threads. Unlike most products which have inexpensive stamped threads, iPOWER™ products use only machine-cut threads on their connectors. While machine cutting is a more time-consuming and expensive process, it allows for a much closer manufacturing tolerance. iPOWER'S™ F-connectors are easier to connect, make for a superior electrical contact, and minimize signal loss.

Dual Lead Contact. A dual lead contact makes a more positive connection and is much more durable, ensuring a lifetime of service.

Teflon® Dielectric. A Teflon® dielectric greatly reduces signal loss and preserves the color and clarity of the source signal.

Solid Brass Body. Brass allows for a more precise thread to be cut, increases conductivity, and is the most dependable material for electrical connectors. The Brass body offers an unrivaled level of dependability and extended life.

Gold Plating. Gold plating increases surface conductivity, decreases signal loss and preserves signal integrity.

Beryllium Copper Wire Center Conductor. This advanced material increases conductivity and resists oxidation for maximum performance and extended life.

Unrivaled System Integration and Ease of Use

iPOWER™ features an elegant and intuitive user interface. As a pioneer of home audio/video customization, Niles understands that technology is only useful if it is *used*. iPOWER™ provides the installer with the flexibility to design and execute a spectacular system in a package that the end-users can actually operate. For the end-user, Niles iPOWER™ meets the needs and budget of nearly any enthusiast. Its intuitive interface allows the most complex systems to be controlled with one-button operation with displays that are clear and easy to understand. Installers will appreciate features such as true line diagnostics and feedback, and a versatile dual-zone trigger system which responds to 12V DC 200mA.

Real Line Diagnostics

Your AC-8DSS+ is equipped with a sophisticated set of line diagnostic indicators. These indicators not only ensure that the AC-8DSS+ is working, but also let you know that the wiring in your house has been installed properly. This is particularly useful in older homes where electrical systems may have been installed at different times during the life of the home.

When illuminated, the Ground OK LED on the AC-8DSS+ indicates that the house wiring is properly grounded. If the LED does not illuminate, there is a line problem. Without a proper ground, your AC-8DSS+ will not be able to provide protection from electrical surges and spikes. DO NOT OPERATE YOUR AC-8DSS+ WITHOUT A PROPER GROUND. IF THE GROUND OK LED DOES NOT ILLUMINATE, DISCONNECT THE UNIT IMMEDIATELY.

When illuminated, the LINE OK LED on the AC-8DSS+ indicates that the wall outlet does not have a line problem such as polarity inversion. If the LED does not illuminate, there is a line problem. This is common, especially in older homes. Call your electrician to have the line repaired. DO NOT OPERATE YOUR AC-8DSS+ WITH A LINE PROBLEM. IF THE LINE OK LED DOES NOT ILLUMINATE, DISCONNECT THE UNIT IMMEDIATELY.

The Switched LED on the AC-8DSS+ illuminates when the Power Button is activated indicating that the Switched outlets are ON. In addition, when the Switched LED is ON, the Triggered outlets are in stand-by mode and can be automatically powered on or off using the AC-8DSS+'s Trigger feature.

When the Power Button is not initiated, the Switched LED does not illuminate, indicating that there is no power at the Switched Outlets. Additionally, the Trigger feature of the AC-8DSS+ will be disabled so that the Triggered outlets cannot be automatically powered on or off, regardless of whether there is 12 volts present at the 12 Volt Trigger Inputs.

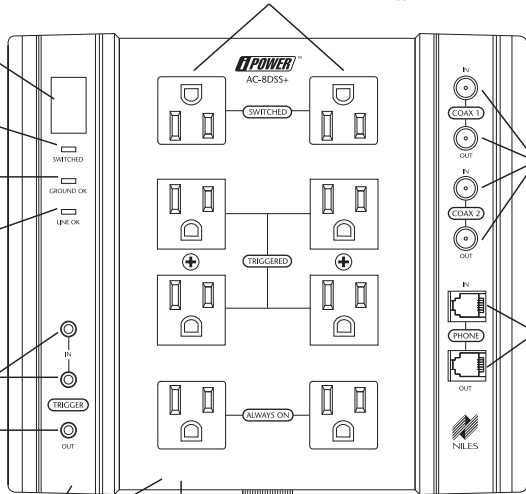
UL 1449 Second Edition Listing

The UL 1449 Second Edition procedure is considered to be the most rigorous and demanding series of tests for surge protection devices in the world. In order for a surge protection device to obtain this UL certification, it must pass a battery of "torture" tests ensuring that the product will meet a set of established safety and performance standards. Your AC-8DSS+ is UL 1449 Second Edition listed.

UNIT DETAILS

The AC-8DSS+ features four pairs of premium quality, wall transformer-spaced outlets. One pair is **Always On**, one pair is **Switched** on by the power button, and two pairs are **Triggered** on via either of the 12V trigger inputs.

- Power Button** turns on Switched outlets and puts Triggered outlets into standby mode for remote triggering.
- Switched LED** indicates the status of the Switched outlets and that Triggered outlets are in standby mode.
- Ground OK LED** indicates that the wall outlet wiring is properly grounded.
- Line OK LED** indicates that the wall outlet is free of any problems such as a polarity inversion.
- Dual Zone 12V Input Triggers** enable you to turn on your system from either of two components (includes unique 12V DC 200mA wall adapter for triggering a device).
- Bus Output Trigger** enables the 12V inputs to automate turn-on of other iPOWER products or protected equipment whenever the 12V trigger input is used.



Proprietary **iDefinition™ coax circuitry** is fully Cable TV, DBS/DSS, DTV and HDTV compatible and features custom machined, gold-plated F connectors with Teflon® dielectric for optimum performance (includes two 6 ft. premium quality, quad-shielded RG-6 cables with gold plated connectors).

Robust surge suppression for **telephone connections** protects DBS/DSS receivers from damaging electrical surges and spikes (includes 6 ft. RJ-11 connection cable).



6 ft. industrial grade, high-current handling power cord with fail, 360° rotating plug.

Rugged steel chassis with molded rubber endcaps can be wall or floor mounted.

Patent pending 3" power protection circuitry ensures protection time after time.

15 Amp Circuit Breaker.

UL 1449
2nd Edition Listed

INSTALLATION OVERVIEW

The following is an overview for installing your iPOWER™ product.

- Unpack all of the contents of the AC-8DSS+ carton.
- Plan your system and lay out all of the equipment that will be connected to the AC-8DSS+.
- Place the AC-8DSS+ in the location where it will be used, being sure to follow both the safety precautions listed in the front of this manual and the placement recommendations on (page 12). DO NOT plug the unit in yet.
- Plug each of the components into the AC-8DSS+. You may want to make a note on paper listing the component are connected to each outlet.
- Connect any devices with coaxial outputs to the F-connectors.
- Attach the phone or data line to the RJ-11 terminals (for DBS installations).
- With all of the attached components in the OFF position, plug the AC-8DSS+ into the wall.
- With the AC-8DSS+ OFF, attach remote triggering cables (if applicable).
- Test for proper operation.

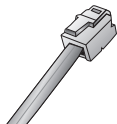
PACKAGE CONTENTS



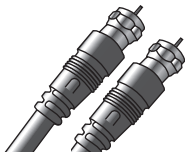
(1) AC-8DSS+



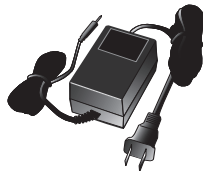
(1) Installation &
Operation Guide



(1) RJ-11 phone cable



(2) Quad-shielded RG-6
cables with gold-plated
connectors



(1) 12V, 200mA remote
trigger power supply

PLANNING YOUR SYSTEM

Think about which components need to work together, and place them in close proximity to one another. You may also want to consider putting frequently handled components in the most convenient locations. Decisions about triggering options for your AC-8DSS+ will depend on many factors including the type of components in the system and whether they are self-controlled or part of a multiroom or whole-house system. By carefully planning the system's architecture in advance, your AC-8DSS+ can be integrated into any configuration you choose.



IMPORTANT NOTE

All components in a system must be connected to an iPOWER™ Power Management System in order for the system to be protected from electrical disturbances and to realize maximum noise filtration benefits. This includes AC power cables, coaxial connections, and telephone cables used with pay-per-view systems. Failure to do this will degrade system performance, leave it vulnerable to electrical damage.



PROPER GROUNDING

Your iPOWER™ product will not be able to provide surge protection or noise reduction without a proper ground. If the AC line in your house is properly grounded, the GROUND OK light will illuminate. If the GROUND OK light does not illuminate, stop your installation. Check the AC connection and make sure that the unit is plugged in properly. If the GROUND OK light still fails to illuminate, have the AC outlet in the house checked by an electrician to diagnose the ground problem.

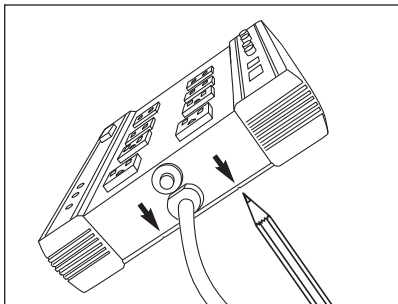
Placement

It is recommended that the AC-8DSS+ be placed in a location easily reached when manually operating the other controls in the system. There should be a clear line of sight between the operator and the unit to allow easy user feedback of system status. The AC-8DSS+ should be placed on a flat, stable shelf or platform or, if desired, it can be wall mounted. See the following section for directions on wall mounting. **IMPORTANT:** Be sure to follow the "Safety Precautions" in the front of this manual to ensure proper product performance and safety.

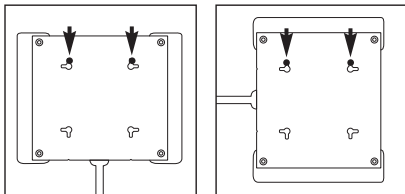
Wall Mounting

Once you have decided where your AC-8DSS+ should be placed, you may wish to permanently mount it in that location. Mounting screw slots are provided on all AC Series iPOWER™ products for such purposes. On the back of each unit you will find a series of L-shaped slots designed to accommodate mounting screws. The L-shape of the openings allows for both vertical and horizontal positioning of the unit. Additionally because the screw hole distances are uniform you can rotate the unit without having to reposition the screws (see illustration).

After you've located the desired positioning you can mark the distance between the screw locations using the special indents found on your AC iPOWER™ unit (see illustration).



Once you've located your desired positioning you can mark the screw locations using the special indents found on your AC iPOWER™ unit. Plus, because the screw hole distances are uniform you can rotate the unit without having to reposition the screws.



PLANNING YOUR AC CONNECTIONS

Always On Outlets

For the Always On outlets, power will be routed to attached components at all times, regardless of whether the Power Button on the AC-8DSS+ is initiated or not. These outlets are appropriate for any component that has a clock, timer, or that will be used as a master control or triggering unit for the rest of the system. Devices such as a VCR, DBS receiver, cable TV box, or any item with a microprocessor should use the Always On outlets.

Switched Outlets

The Switched outlets power up the moment the Power Button is initiated. These outlets are appropriate for devices with latching power supplies* such as some CD players, tuners, tape decks, and some televisions. If the power button on your iPOWER™ unit is left permanently engaged, the Switched outlets will function identically to the Always On outlets described above.

Triggered Outlets

The Triggered outlets enable the connected devices to power on and off automatically. When the Power Button is initiated it places the Triggered outlets in stand-by mode. When there is 12 volts present at either of the 12V Trigger Inputs, the AC-8DSS+ automatically turns on the Triggered outlets. When the 12 volt signal is not present it disconnects power to the Triggered outlets. This is an immensely valuable tool for simplifying control over one's audio/video system. For more information, see the section "Using The Remote Trigger Feature" on page 16. These outlets are appropriate for devices with latching power supplies* such as some CD players, tuners, tape decks, and some televisions.

IMPORTANT NOTE: The Power Button must be initiated for the Trigger feature to work.

* You can tell if a component has a latching power supply by unplugging it from the wall while it is turned on, waiting three minutes, and then plugging it back in. If the power comes back on, it is latching.

MAKING CONNECTIONS



IMPORTANT NOTE

All components in a system must be connected to an iPOWER™ Power Management System in order for the system to be protected from electrical disturbances and to realize maximum noise filtration benefits. This includes AC power cables, coaxial connections, and telephone cables used with pay-per-view systems. Failure to do this will degrade system performance and leave it vulnerable to electrical damage.

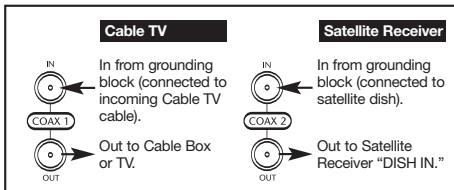
Connecting Devices to the AC Outlets

Be sure that the plugs are inserted all the way into the outlet to ensure a proper electrical connection. To simplify set-up, make a note as to which components are connected to which outlets.

Connecting to Coaxial Lines

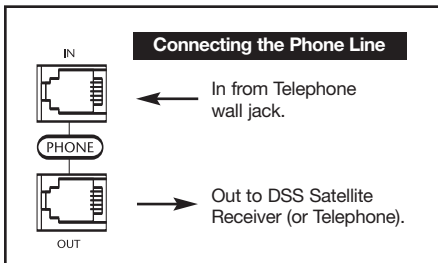
For coaxial line connection, use the (2) RG-6 cables included with your AC-8DSS+ to make connections to your DBS tuner, or any other device requiring a high quality connection. These premium cables are quad-shielded, have gold-plated F connectors, and will provide superior performance. Be sure to follow the markings on the AC-8DSS+ that indicate IN (from the signal source), and OUT (to the component). Your AC-8DSS+, equipped with iDefinition™ constant impedance technology, will provide protection from virtually all types of electrical surges while preserving the integrity of the source signal. Plus, both coax circuits are fully Cable TV, DSS, DTV and HDTV compatible.

The following is an example of a system utilizing connections for cable TV and a satellite receiver. Actual connections may vary depending upon your system.



Connecting the Phone Line

DBS/DSS systems use a standard phone cord for part of their operation. Since an electrical surge or spike can damage your system via any point of entry, your AC-8DSS+ has a robust surge protection circuit dedicated to protecting the phone line. Use the RJ-11 phone cable (included with your AC-8DSS+) to connect the phone jack on the wall to the phone jack labeled IN on your AC-8DSS+. Connect your DBS system's phone cord to the AC-8DSS+'s phone jack labeled OUT. Your components are now protected from electrical disturbances that could enter from the phone line.



USING THE REMOTE TRIGGER FEATURE

Trigger Activation

Your AC-8DSS+ has (2) Trigger Inputs and (1) Bus Trigger Output which provides a wide array of possibilities for automated turn-on and shut-off of the Triggered outlets. Each Trigger Input can be activated with 12V DC 200mA input via standard 3.5mm mini plug jacks found on the AC-8DSS+. This dual-trigger input configuration allows for two zone control of the system, while the single bus output allows the AC-8DSS+ to be "daisy chained" to other iPOWER™ products or any other protected, triggerable device. In addition, the Trigger Output can be utilized to generate a "power status" signal for use with compatible Niles infrared or audio/video distribution products.



IMPORTANT NOTE

All components in a system must be connected to an iPOWER™ Power Management System in order for the system to be protected from electrical disturbances and to realize maximum noise filtration benefits. This includes AC power cables, coaxial connections, and telephone cables used with pay-per-view systems. Failure to do this will degrade system performance and leave it vulnerable to electrical damage.

Using The Trigger Inputs

NOTE: The Triggered outlets can only be triggered by the Trigger Inputs if the Power button is initiated.

Your AC-8DSS+ has (2) Trigger Inputs which can be used for remote turn ON and turn OFF of the Triggered outlets. The Trigger can be activated with any 12V DC trigger voltage. Many control amplifiers, preamps/receivers and system integration centers have a voltage output which can be used to activate the AC-8DSS+'s Trigger feature. If your system includes a control device with provisions for remote triggering, simply connect the voltage output from the control device to the Trigger Input on your AC-8DSS+. If the control device has a switched outlet, plug the 12V DC 200mA Remote Trigger Power Supply (included) into the control device's switched outlet and the 3.5mm mini plug into one of the AC-8DSS+'s Trigger Inputs (see illustration, next page). Now, every time the control device is

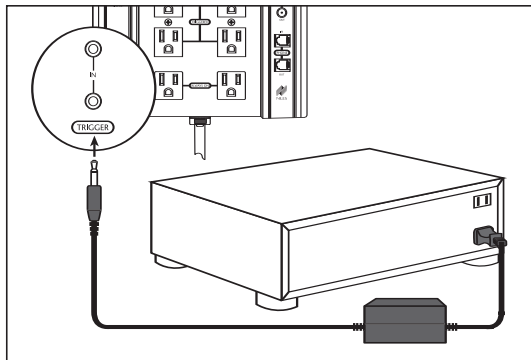
turned on, it will turn ON the Triggered outlets. In turn, when the control device is shut off, it will turn OFF the Triggered outlets. Since there are (2) Trigger Inputs, the AC-8DSS+ can be triggered by a second control device in the same manner, allowing for multi-zone operation.



IMPORTANT NOTE

IMPORTANT! The control device must be plugged into the AC-8DSS+ to ensure proper protection.

The illustration offers one example of automating the turn on and turn off of the Triggered outlets. The 12V DC 200mA Remote Trigger Power Supply (included) is plugged into the switched outlet of a preamp/receiver. Its 3.5mm jack plugs into one of the Trigger Inputs on the AC8DSS+.



Using The Trigger Output

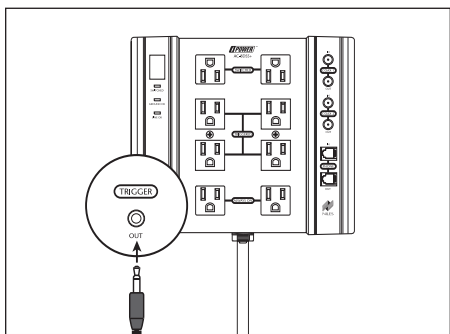
The AC-8DSS+ has a bus Trigger Output jack which provides a convenient pass through from the remote Trigger Input. Simply connect the output jack on the AC-8DSS+ to any protected triggerable device, and the input voltage that controls the Triggered outlets will be passed through the AC-8DSS+ to another device.



IMPORTANT NOTE

IMPORTANT! The control device must be plugged into the AC-8DSS+ to ensure proper protection.

The Trigger Output can be used to pass the input trigger voltage through the AC-8DSS+ to automatically turn on additional protected equipment or iPOWER products.



Additional Remote Trigger Power Supplies

If you require additional Remote Trigger Power Supplies, they can be obtained from your authorized Niles dealer (Stock# FG00665).

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSES AND TEST PROCEDURE
<p>AC-8DSS+ does not power-up. There is no power to the connected equipment.</p>	<ul style="list-style-type: none"> • Check that the unit is plugged in and that there is power at the outlet. • Check the AC-8DSS+'s circuit breaker located by the power cord and reset if necessary.
<p>Trigger lines are attached, but the AC-8DSS+'s trigger outlets will not power up via the Trigger Input.</p>	<ul style="list-style-type: none"> • First re-check the trigger lines to ensure a positive connection. Then check that the trigger is going to one of the TRIGGER IN jacks on the AC-8DSS+. • If all connections are properly made and the AC-8DSS+ fails to respond, it is most likely that the trigger signal has too low a voltage (below 12V). Check the trigger source to be sure that the signal is 12V DC 200mA. • Check that the Power Button is initiated. The Triggered outlets will not function if the Power button is not in the "ON" position.
<p>The GROUND OK light on the front panel of the AC-8DSS+ does not light up.</p>	<ul style="list-style-type: none"> • This indicates that the wall outlet is not properly grounded or possibly another type of line problem. Without a proper ground, your AC-8DSS+ will not provide power protection. <ol style="list-style-type: none"> 1. STOP YOUR INSTALLATION. Check the AC connection and make sure that the AC-8DSS+ is plugged in properly. If the GROUND OK light still fails to illuminate, have the AC outlet in the house checked by an electrician to diagnose the problem. 2. DO NOT operate your AC-8DSS+ without a proper ground.
<p>The LINE OK indicator on the front panel of the AC-8DSS+ does not light up.</p>	<ul style="list-style-type: none"> • This indicates that the wall outlet has a line problem such as polarity inversion. This is common, especially in older homes. DO NOT operate the AC-8DSS+ with a line problem. Call your electrician to have the line repaired.

TROUBLESHOOTING (continued)

SYMPTOM	POSSIBLE CAUSES AND TEST PROCEDURE
Both the LINE OK indicator and the GROUND OK light on the front panel of the AC-8DSS+ do not light up.	<ul style="list-style-type: none"> This indicates that either the wall outlet is not properly grounded, or the wall outlet has a line problem such as a polarity inversion, (or both). See the above two items for more information.
There is no picture on the TV.	<ul style="list-style-type: none"> Check your signal routing from the source to the AC-8DSS+ and the entire chain of components through which the signal passes. Secure all connections and double-check that the cables are connected to the IN and OUT jacks in the proper way.
The circuit breaker on the AC-8DSS+ continues to trip.	<ul style="list-style-type: none"> Your AC-8DSS+ is equipped with a 15 Amp circuit breaker to provide overload protection. This breaker will allow up to 1800 watts of power to pass through the AC-8DSS+ to your components. If the breaker continues to trip after being reset several times, there may be a short in the system. If no short is apparent, or the problem is intermittent, this indicates that the components are drawing more than the 1800 watts the AC-8DSS+ can supply. Check with your Niles dealer or installer to see what other iPOWER™ products can be used in addition to the AC-8DSS+ to provide sufficient power for your system.
There is an audible "thump," "click," or "pop," coming from my loudspeakers during the power-up function of my AC-8DSS+.	<ul style="list-style-type: none"> Many components will create "thumps," "clicks," and "pops" when they are first turned on. This can happen while their internal power supply "settles in," which usually only takes a few seconds or so. This is common, and while annoying, it usually will not harm loudspeakers. Niles offers several iPOWER™ models with features designed to prevent this condition. See your Niles dealer for more information.

SPECIFICATIONS

AC OUTLETS TECHNICAL SPECIFICATIONS

UL 1449 Clamping Rating	330 Volts (lower value is better)
ANSI/IEEE 100 kHz Ring Wave Test	<40 volts above peak standard line voltage
Response time	Instantaneous [<1 nanosecond (<1 billionth of a second)]
Surge Voltage	Tested to 6,000 Volts
Energy dissipation	1550 Joules
Line voltage	120VAC 15A, 50/60 Hz
Peak impulse current	100,000 Amps
Protection Modes	Line to Neutral, Line to Ground, Neutral to Ground
EMI/RFI noise reduction	Up to 60dB (99.9%) 100 kHz to 100 MHz

TECHNICAL SPECIFICATIONS FOR EACH COAX CIRCUIT

Clamping level	70 Volts
Response time	Instantaneous (<75 nanoseconds)
Energy dissipation	340 Joules
Peak impulse current	20,000 Amps
Connections	Machined, gold-plated Female F-connectors with Teflon Dielectric

TELEPHONE CIRCUIT TECHNICAL SPECIFICATIONS

Initial clamping level	40 Volts
Response time	Instantaneous [<1 picosecond (<trillionth of a second)]
Energy dissipation	10 Joules
Fuse protection (tip and ring lines)	500 mA
Connections	RJ-11 modular phone jacks

TRIGGER CIRCUIT

Trigger Inputs	12V DC 200mA
Trigger Output.....	Direct pass-through from 12V DC Trigger Inputs
Connections	3.5 mm jacks

TRIGGER WALL ADAPTER

12V DC 200mA with in-line power supply and 3.5 mm plug

Net Weight

4 lbs.

Dimensions

Width: 8-1/4"; Height: 7-3/8"; Depth: 2-1/2"



Niles Audio Corporation

**12331 S.W. 130 Street
Miami, Florida 33186**

Tel: (305) 238-4373

Fax: (305) 238-0185

www.nilesaudio.com



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