WATT BOX™

WB-800-IPVM-12

WATT BOX
WB-800-IPVM-12

OVRC enabled

CONTROLLED 1 CONTROLLED 2 CONTROLLED 3 CONTROLLED 4 CONTROLLED 5 CONTROLLED 6

CONTROLLED 7 CONTROLLED 8 CONTROLLED 9 CONTROLLED 10 CONTROLLED 11 CONTROLLED 12

FILTERED

INTERNET
SYSTEM
AUTO REBOOT
SAFE VOLTAGE
SURGE PROTECTED
GROUNDED

RESET

POWER

ON
OFF
SAFE VOLTAGE

UPS LINK ACC NETWORK

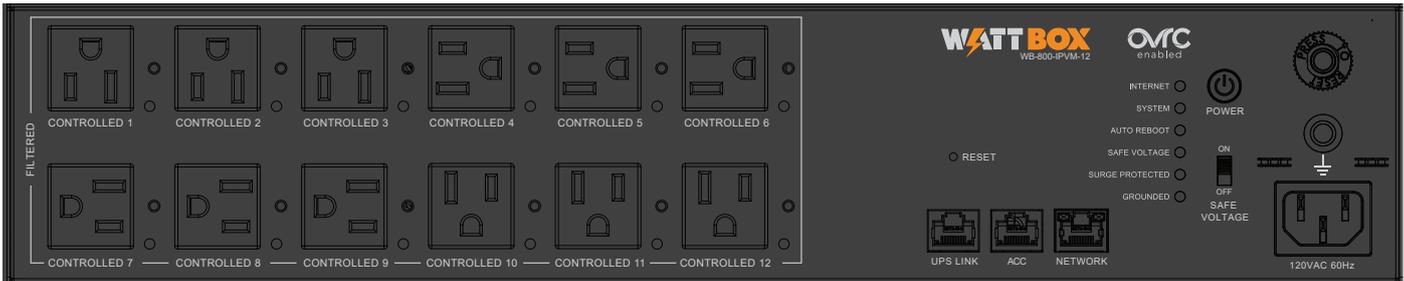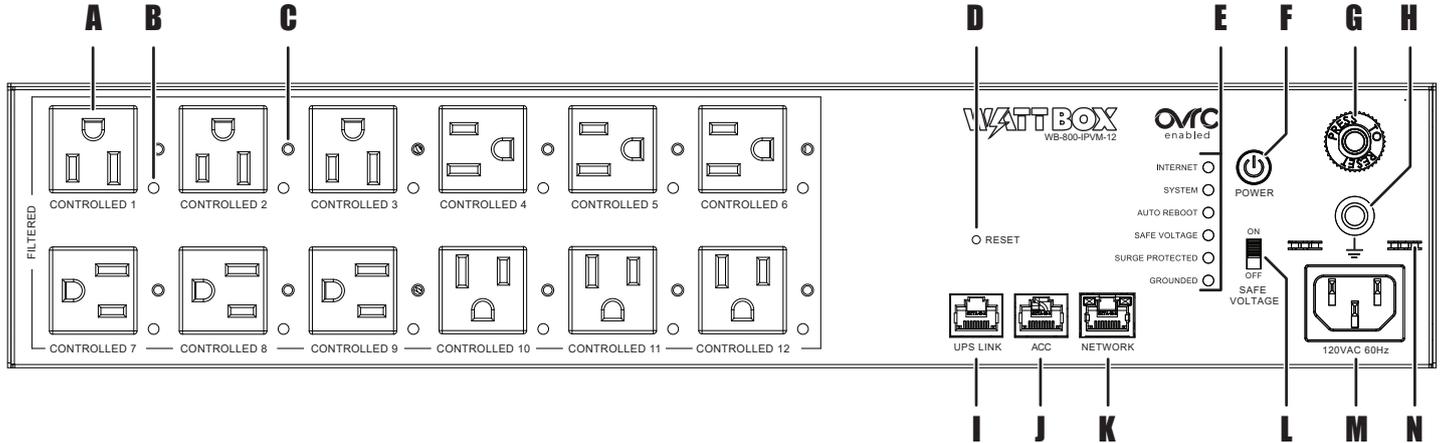120VAC 60Hz

QUICK START GUIDE

FRONT PANEL

A. Controllable outlets 1-12 – All outlets are switchable (IP controlled).

B. Power indicators 1-12 – Illuminate when power is on (one for each outlet).

C. Hook & loop lockdown screws 1-12 – Attaches to hook & loop fasteners for securing power adapters in place.

D. Reset button – Press and release to restart the network card, press and hold five seconds to reset network settings, and press and hold 10 seconds to restore to factory defaults.

E. Indicator LEDs – Show the status for Internet, System, Auto Reboot, Safe Voltage, Surge Protected, and Grounded. For more information about indicator meanings, see page 10.

F. Power switch – Press to manually toggle the unit's power outlets on or off. Outlets set for reset only are not affected.

G. Circuit breaker – 15A resettable breaker that trips when overamperage conditions occur.

H. Ground lug – Ground post for bonding equipment.

I. UPS link port – For connection to a WattBox UPS unit.

J. ACC port – Accessory port for future use. This WattBox is not compatible with WB-600-FP.

K. Network port – Connect to the local area network (LAN) for IP control and monitoring.

L. Safe Voltage switch – Toggles Safe Voltage on and off. When enabled, Safe Voltage turns off outlets to protect connected equipment from out-of-range input voltage.

M. Power input – Input for 3-prong IEC power cord, with detachable locking clip.

N. Locking clip attachment point – Secures the IEC power cord to the unit.

REAR PANEL
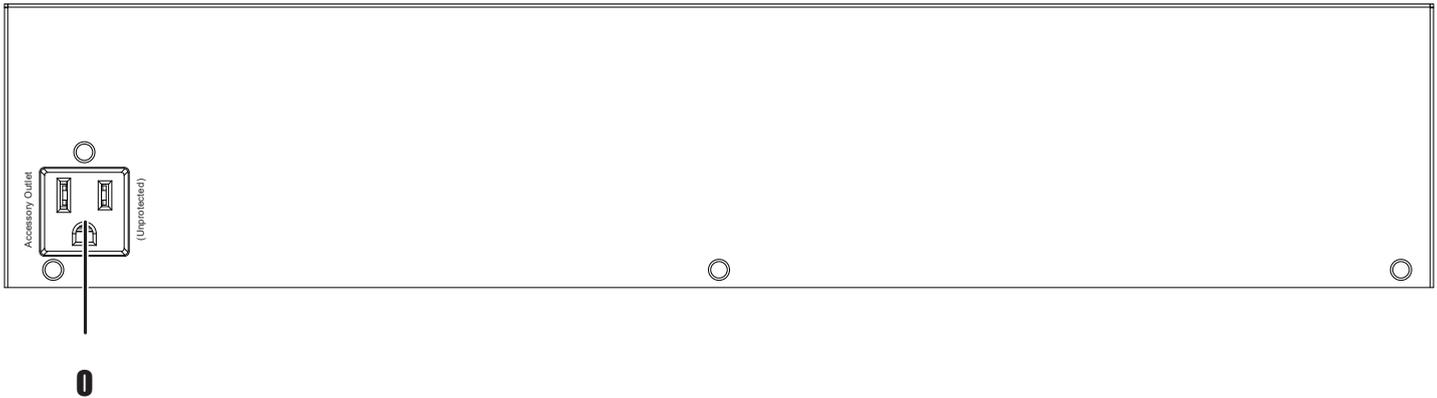
O. Accessory outlet – AC outlet for powering accessories. This outlet is not surge protected or metered.

PACKAGE CONTENTS

- WB-800-IPVM-12 (1)
- Rubber feet (4)
- 6 ft. (2 m) power cord (1)
- Small rack mounting brackets (2)
- Large rack mounting brackets (2)
- Wall-mount template
- Mounting bracket screws (8)
- Hook & loop tie-down straps (6)
- Locking clip for IEC cord (1)
- Screws, washers, and wall anchors (4 ea.)
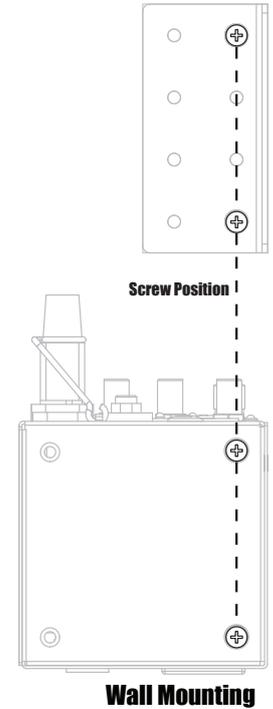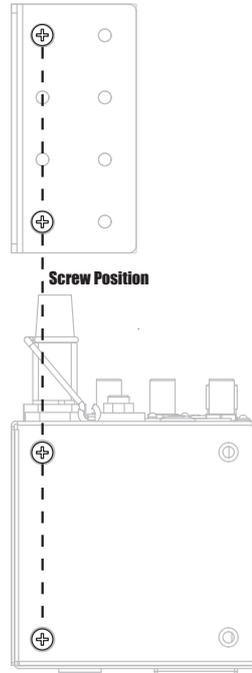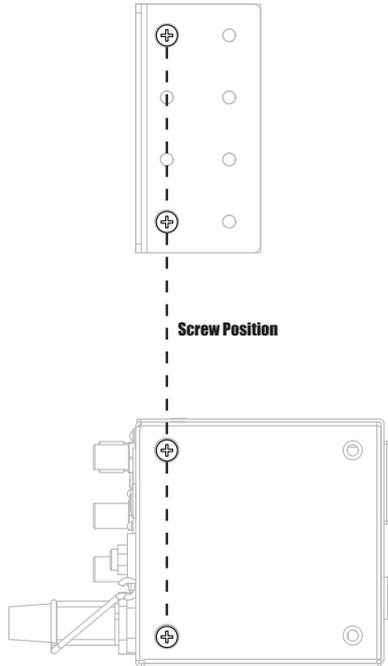- Quick Start Guide (1)

FEATURES

- Circuit breaker rating: 15A
- UL current rating: 12A
- UL power rating: 1440W
- Voltage protection rating: L-N 500V, L-G 500V, N-G 500V
- Joule rating: 3,240 joules
- Load shedding (when connected to OvrC UPS)
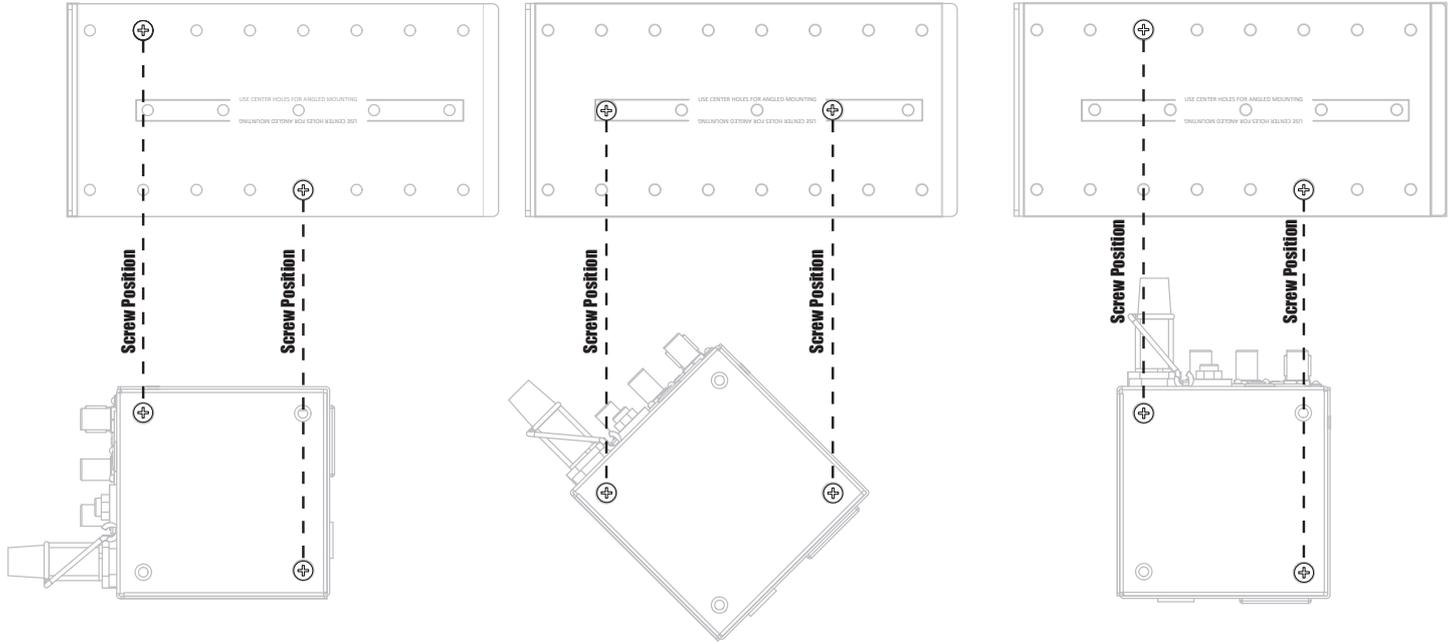
RACK-MOUNTING OPTIONS

This WattBox is designed for standard 19" equipment racks and features versatile mounting options. The large multi-position bracket allows horizontal or angled mounting. The unit can also be mounted flush with the rack or set back to the most convenient position for a particular installation.

Attach the brackets to the WattBox in the desired position using the supplied hardware, then install the WattBox into the rack using standard rack screws.

Small bracket mounting

Screw Position

Screw Position

Screw Position

Wall Mounting

Large bracket mounting

USE CENTER HOLES FOR ANGLED MOUNTING

Screw Position   Screw Position   Screw Position   Screw Position   Screw Position   Screw Position

WALL-MOUNTING OPTIONS

The WattBox 800 Series can be mounted to a wall or cabinet by using the small bracket. Mount the small bracket to the WB-800 with the flat part of the bracket facing away from the outlets.

1. Locate wall studs using a stud finder (not included).

2. Position and level the wall-mount template in the desired location, then mark the wall with the screw locations.
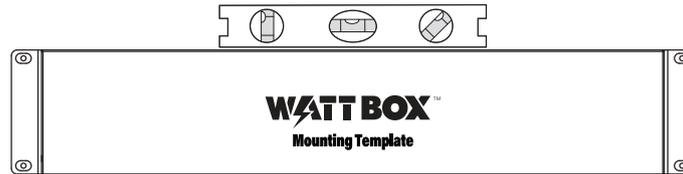

3. If the location does not allow for stud mounting, use an anchor (included) or toggle bolt (not included) with the appropriate weight rating for the WattBox.

Screw   Anchor   Washer

4. Secure the WattBox to the wall.
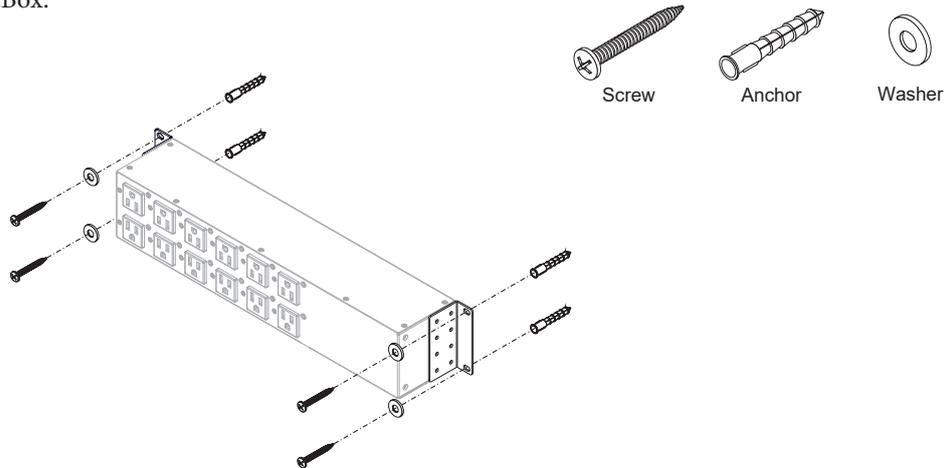
CONNECTIONS AND SETUP

1. If attaching a WattBox UPS battery pack to the power conditioner, connect an Ethernet cable between the **UPS Link** ports on the power conditioner and the UPS.

2. For IP control and OvrC connectivity, connect a network cable from your router or switch into the WB-800 **Network** port.

3. Connect the IEC power cord to the power conditioner and to the WattBox UPS (if applicable) or a grounded outlet.
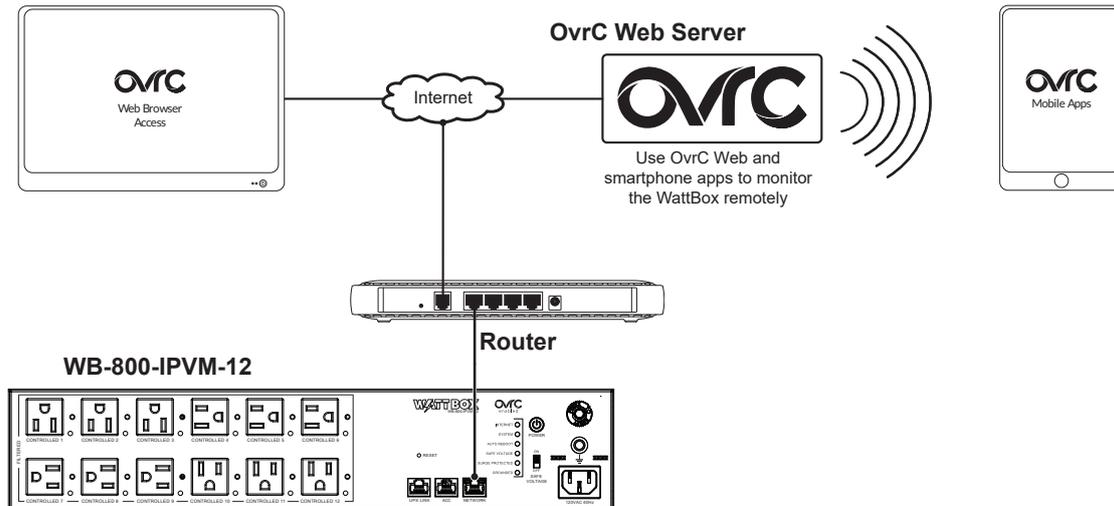
CLAIMING THE WATTBOX ON OVRC

The WB-800 has many powerful features that are accessed through OvrC, our award-winning remote management tool.

If you are not familiar with OvrC, visit OvrC.com. To find training for OvrC, log in to SnapAV.com, click the **Training** tab, and then launch Snap University.

Finishing setup with OvrC

1. Ensure the WB-800 is connected to the internet via your router or network switch.
2. Log in to your OvrC account.
3. Add the WB-800 by entering its MAC address and service tag (ST) number. You can now complete setup through OvrC.
4. Ensure your firmware is up to date, schedule automatic reboots, set up power-on delays, and more.

LOGGING IN TO THE WEB INTERFACE

You need to enter the username and password to access the WattBox's web interface. The default entries are below; you must change the username and the password after logging in for the first time (and record the new credentials below).

	Default	Custom
Username	*wattbox*	
Password	*wattbox*	

LED INDICATORS

The bank of six LED indicator lights give you key information about the health of your system.

Internet	Green (solid)	All sites/IP addresses are communicating with the WattBox.
	Green (flashing)	At least one (not all) sites/IP addresses are communicating with the WattBox.
	Red	None of the sites/IP addresses are communicating with the WattBox.
System Status	Green (solid)	WattBox processor is in an operating state and can be accessed via the WattBox interface.
	Red (flashing)	Firmware for the WattBox processor is being updated. During this state, the WattBox cannot be accessed via the WattBox interface.
Auto Reboot	Green	Auto reboot is enabled. WattBox will power cycle outlets that are on when communication with the assigned website/IP address is lost. Outlets that are off will not power cycle.
	Off	Auto reboot is disabled. No power cycle will occur when communication with the assigned website/IP address is lost.
Safe Voltage	Green	Safe Voltage is enabled. The current incoming AC voltage is safe for operation.
	Red	Incoming AC voltage is NOT safe. Outlets have been turned off to protect the equipment.
	Off	Safe Voltage is disabled.
Surge Protected	Green	The WattBox is powered on and outlets are protected.
	Off	The WattBox is not powered on, or the MOVs have opened, removing power from the outlets.
Grounded	Green	Incoming AC outlet is grounded.
	Off	Incoming AC outlet is NOT grounded and requires inspection by an electrician.

TROUBLESHOOTING

Symptom	Possible Cause	Remedy
WattBox is not receiving power (the System Status LED is not illuminated).	No power is being supplied.	Make sure the AC power plug is plugged into a properly grounded 120V (nominal) wall outlet.
		Some wall outlets are controlled by a wall switch. Try flipping the switches in the room, especially those near the wall outlet. Also check the location's circuit breakers.
	Too many devices are connected, causing an overload, tripping the WattBox's internal circuit breaker.	Press the circuit breaker's reset button. Allow 10 minutes before attempting to reset; otherwise, the reset will fail.
		If the circuit breaker continues to trip, move one or more components to another WattBox.
The attached component is not receiving power from the WattBox.	Component is plugged into a controlled outlet and the outlet is off.	To turn the outlet on, log in to the WattBox interface or press the power button.
	In some instances, a component plugged into a switched outlet won't automatically power itself up when the WattBox is turned on.	Turn the component power on.
Speakers emit a humming or buzzing noise.	WattBox is sharing AC power with equipment that is not properly grounded.	Connect WattBox to a dedicated outlet.
		Unplug different components from WattBox one at a time to see if the noise stops.

IMPORTANT SAFETY INSTRUCTIONS

Read and observe the following safety points at all times.

Notice

For indoor use only. Internal components are not sealed from the environment. The device can only be used in a fixed location such as a telecommunication centre, or a dedicated computer room. When you install the device, ensure that the protective earthing connection of the socket-outlet is verified by a skilled person. Suitable for installation in Information Technology Rooms in accordance with Article 645 of the National Electrical Code and NFPA 75.

Only use brackets/attachments/accessories specified by the manufacturer.

Do not place the device in an unstable position where it might fall and cause injuries. This equipment is not suitable for use in locations where children are likely to be present.

Do not cover this device with a cloth. Do not install it on a carpet or rug.

Caution – Potential injury

Do not use this product with extension cords, multioutlet power strips, multioutlet extenders, or UPS devices (other than a WattBox UPS). The power capacity of these accessories can be overloaded by this product and may result in a risk of fire, or property damage.

Warning – Lithium battery

A lithium battery is molded into this device's real-time clock. The lithium battery is not intended to be replaced; a lithium battery can explode if it is incorrectly replaced. Do not recharge, disassemble, or incinerate a lithium battery. Discard used lithium batteries according to local regulations.

Warning – Power sources, grounding, polarization

This plug is designed to be inserted into a NEMA 5-15 (three-prong grounded) outlet only. Do not force the plug into an outlet that is not designed to accept it. Never dismantle the plug or to alter the power cord, and do not attempt to defeat the grounding feature by using a 3-to-2 prong adapter. If you have questions about grounding, consult your local power company or a qualified electrician.

This WattBox requires a properly grounded outlet for safety. If you're not sure if your home's electrical wiring is properly grounded, have it checked by a qualified electrician.

If a rooftop devices such as a satellite dish connects to the WattBox, ensure that the device's wires are also properly grounded.

Warning – Liquid: avoiding electrical shocks

Do not operate the WattBox if liquid of any kind is spilled onto or inside the unit. Do not operate it near rain or water, even water that is contained (for example, bathtub or sink).

Warning – Power cord safety

Do not place the power cord near areas with heavy foot traffic (for example, hallways). Do not create a trip hazard with the power cord.

If the power cord's protective jacket rips or frays, exposing the internal wiring or shielding, disconnect it from the power source and replace the power cord immediately. See the warranty section of the owner's manual for details.

Warning – No user-serviceable parts inside

If the WattBox is not operating properly, do not remove any part of the unit (cover, etc.) for repair. Unplug the unit and consult the warranty section of the owner's manual.

Caution – Exposure to heat

Do not expose the WattBox to direct sunlight or place it near wall heaters, space heaters, or in an enclosed space prone to temperature increase.

Do not use the device in a confined, poorly-ventilated location; this can overheat the unit, possibly even causing a fire. If used in a small space other than an EIA-standard rack, ensure that there is adequate space around the device.

Caution – Proper cleaning

In general, the only cleaning necessary for is a light dusting. Unplug WattBox from the wall outlet before cleaning it. Do not use liquid or aerosol cleaners.

FCC WARNING

WARNING!! Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Notice: (1) An unshielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the

nearby radio and television reception. It is essential that only the supplied power cord by used. (2) Use only shielded cables to connect I/O devices to this equipment.

Note: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

The Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulation.

Cet appareil numerique de la class B respecte toutes les exigencies du Reglement sur le materiel brouilleur du Canada.

WARRANTY

3-Year Limited Warranty

This SnapAV® product has a 3-Year Limited Product Warranty and a 3-Year Network Connectivity Warranty. The 3-Year Limited Product Warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified, or disassembled. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assigned return authorization number (RA). Contact technical support for an RA number.

3-year replacement policy

Valid only in the United States and Canada. If your SnapAV power product becomes damaged while protecting your connected equipment, you may request an equivalent replacement to the latest technology of that product category. Keep a copy of the original invoice to verify the date of purchase the by the original buyer.

Warranty limitation for internet purchasers:

SnapAV products purchased outside the SnapAV website do not carry a valid Connected Equipment Protection Policy unless purchased from an Authorized SnapAV Dealer.

SNAPAV SURGE PROTECTOR CONNECTED EQUIPMENT PROTECTION POLICY

CAUTION: Audio/video, computer and/or telephone system installations can be very complex systems of interconnected components. A single protector may not be able to completely protect complex installations. In those cases, employ a systemic approach using multiple protectors. Systemic protection requires professional design. AC power, satellite cables, CATV cables, or telephone/network lines entering the system that do not pass through this surge protector render the SnapAV connected equipment protection policy null and void. For additional information on protecting your system, please contact SnapAV before installing the surge protector.

This policy is valid only in the United States and Canada. It is the policy of SnapAV that it will, in its sole discretion, replace, pay to replace at fair market value, or pay to repair, up to the dollar amount specified, equipment that is damaged by an AC power, cable,

telephone, or lightning surge while connected to a properly installed SnapAV surge protector. SnapAV must determine that the surge protector shows signs of surge damage or is operating outside of design specifications, relative to its surge protection capability, and under all of the circumstances failed to protect your connected equipment. This policy is subject to the conditions below:

Proof of purchase required

SnapAV's connected equipment policy extends to the original purchaser of the SnapAV product only and is non-transferable.

Original purchase receipts must accompany any product return or claim for connected equipment damage.

Proper installation required

SnapAV products must be directly plugged into a properly grounded 3-wire AC outlet. Extension cords, non-grounded two prong adapters, or other non-SnapAV surge products must not be used. Building wiring and other connections to protected equipment must conform to applicable codes (NEC or CEC). No other ground wires or ground connections may be used. All wires (e.g., AC power lines, telephone lines, signal/data lines, coaxial cable, etc.) leading into the protected equipment must first pass through a single SnapAV protector designed for the particular application. The protector and the equipment to be protected must be indoors in a dry location, and in the same building. SnapAV installation instructions and diagrams must be followed.

Notification required

You must notify SnapAV within fourteen days of any event precipitating a request for product replacement or payment for connected equipment damage. A return authorization (RA) number must first be obtained from the SnapAV Customer Service Department at www.snapav.com/support before returning the protector to SnapAV. At this time, you must notify SnapAV if you believe you have a claim for damaged connected equipment.

Once you obtain an RA number, please mark the number on the bottom of the unit and pack it in a shipping carton/box with enough packing material to protect it during transit. The RA number must also be clearly marked on the outside of the carton. Ship the unit to SnapAV. Please note that you are responsible for any and all charges related to shipping the unit to SnapAV.

WARNING

⚠ This product can expose you to chemicals including carbon black, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Version 200401-1030 MS