

## WELCOME TO WATTBOX™

WattBox power products are designed specifically to provide customers with advanced protection for their valuable electronics and custom integrators with maximum flexibility for installation. Rest assured that WattBox products will deliver the protection and safety for your customers' needs. All WattBox products are UL certified and built with the highest quality components available.

## KEY FEATURES

**Surge Protection with Fireproof MOVs** - Advanced Ceramic MOV technology reduces risk of fire from surges.

**Surge Disconnect** - In the event of a catastrophic surge event, this Wattbox™ component will sacrifice itself and permanently disconnect AC Power.

**Noise Filtration** - Eliminates AC noise to improve picture and sound quality.

**Flexible Power Cords** - Wattbox™ power cords are both flexible and durable and designed for ease of installation.

**Flexible Mounting** - Flat, compact design for easy mounting in a VersaBox™ structured wiring enclosure, on a wall, or behind a desk or TV.

**IP Control** - Provides control of outlets over an IP network. Turn outlets On or Off through a web browser or set them to power-cycle when devices lose communication.

**Auto Reboot** - Monitors network activity and resets power to outlets when programmable conditions are met.

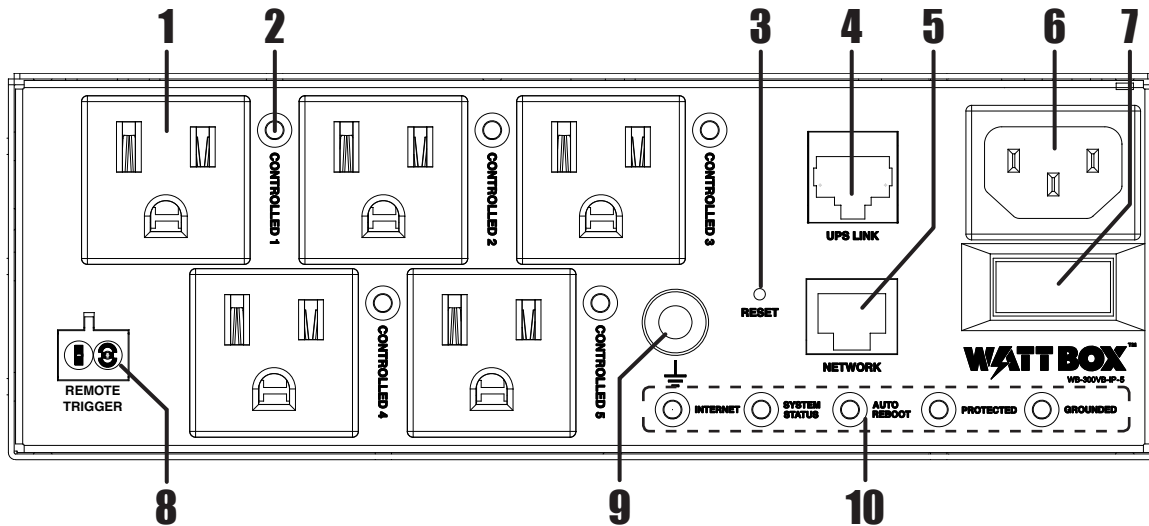
**Outlet Control Scheduling** - Configure outlets to turn Off or On at a specific date or time.

**System Notifications** - Programmable email notifications keep you informed of System Status Changes.

## PACKAGE CONTENTS

- |   |  |
|---|--|
| (1) WB-300VB-IP-5                               | (4) Rubber feet  |
| (1) Owner's Manual                              | (1) 4 foot power cord with 360° swiveling head                           |
| (1) OvrC Quick Start Guide                      | (1) 6 inch power cord (for use in enclosures and structured wiring cans) |
| (1) WB-IP Quick Start Guide                     | (1) 6 inch extension cord  |
| (1) CD-ROM with WattBox Utility Software        | (2) Right angle mounting brackets  |
| (1) Sheet of power cord labels (8 total labels) | (2) Structured wiring can mounting brackets                              |
| (14) Mounting bracket/ear screws (M3 x 0.5)     | (1) Ethernet cable   |
| (1) Remote trigger connector (2-pin, 5mm)       |  |

## DEVICE LAYOUT



1. IP Controlled Outlets Banks 1-5 – Each outlet can be controlled individually.
2. Outlet Indicator LEDs – Indicates controlled outlet state. See LED Operation on the next page.
3. Reset – Press to restart the network card (no settings are changed). Note: The reset button does NOT restore factory defaults - this can be done using the Wattbox Utility Software.
4. UPS Link – For connection to a WattBox IP unit.
5. RJ45 Network Connection – Connect to the Local Area Network (LAN) for IP control and monitoring.
6. Removable Power Cable – Cord is detachable so that the best-fitting length can be used in tight areas.
7. Master Power Switch – Mechanical toggle switch for turning the WattBox IP on and off. Switch illuminates solid when the unit is powered on.
8. Used to control outlets with a contact closure. Shorting the connector pins together will turn off any outlet that is set as 'Enabled' under the Input Trigger section. A momentary contact switch can be used to reset these outlets.
9. Ground Lug – Ground post for bonding equipment.
10. Indicator LEDs – Indicates current WattBox IP status. See LED Operation on the next page.

## LED OPERATION

Internet —	Green (Solid)	All sites/IP addresses are communicating with the WattBox.
	Green (Flashing)	At least 1 (not all) sites/IP addresses are communicating with the WattBox.
	Red (Solid)	None of the sites/IP addresses are communicating with the WattBox.
System Status —	Green (Solid)	WattBox processor is operating and can be accessed via the WattBox interface.
	Green (Flashing)	Firmware for the WattBox processor is being updated. (During this state the WattBox cannot be accessed via the interface.)
	Red (Solid)	WattBox processor is NOT in an operating state. Press the reset button.
Auto Reboot —	Green (Solid)	Auto Reboot is enabled. WattBox power cycle outlets that are ON when communication with assigned website/IP addresses are lost. Outlets that are OFF will not power cycle.
	Off	Auto Reboot is disabled.
Protected —	Green (Solid)	The WattBox is powered on and outlets are protected.
	Off	The WattBox is not powered on or the MOVs have opened due to a short circuit.
Grounded —	Green (Solid)	Incoming AC outlet is grounded.
	Off	Incoming AC outlet is NOT grounded & needs inspection by an electrician .
Controlled 1-5 —	Green (Solid)	Outlet bank is on.
	Off	Outlet bank is off.

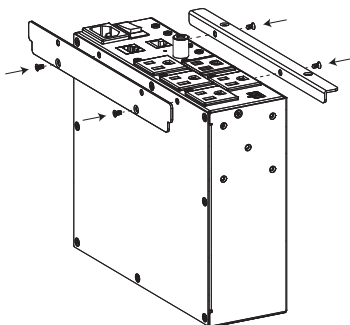
## MOUNTING OPTIONS

### Wirepath™ and Strong® Structured Wiring Enclosures

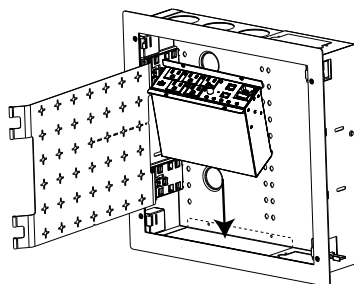
The WB-300VB-IP-5 can be installed in some Wirepath™ and Strong® structured wiring enclosures that are equipped with a bottom knockout.

The Strong SM-RBX-PRO-14 is pictured for reference below. For complete mounting instructions, see the instruction manual for the enclosure. Use the included 6 inch power and extension cords when installing the WattBox in enclosures to save space.

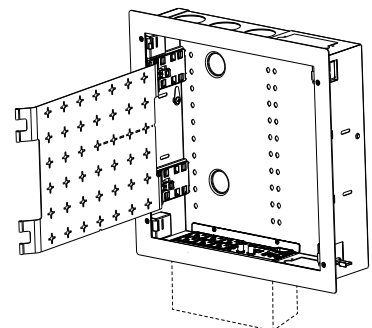
1. Fasten the brackets to the WattBox using 4 of the included bracket screws.



2. Open the knockout in the bottom of the VersaBox and install the enclosure. Insert the WattBox after the enclosure is installed.



3. Fasten the brackets to the enclosure using 4 screws. (These screws are supplied with the enclosure.)

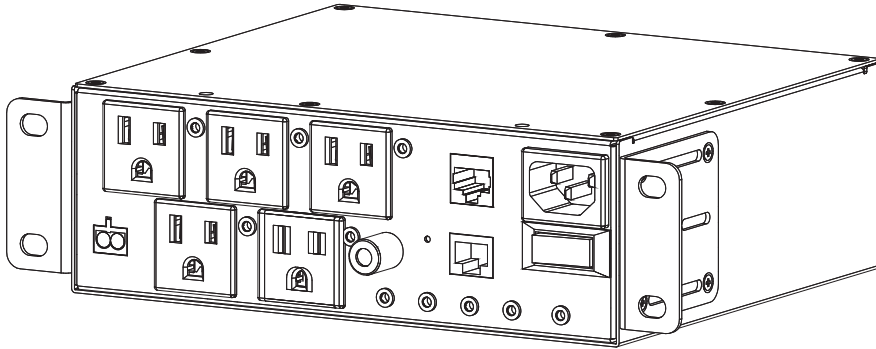


## **SURFACE MOUNTING**

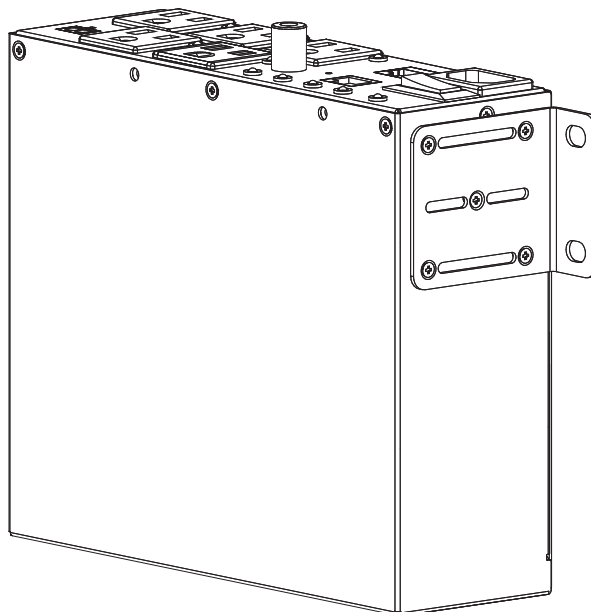
The WB-300VB-IP-5 may be mounted into a cutout or flat on a wall using the included angle brackets.

1. For wall mounting, locate wall studs using a stud finder (not included).
2. For installation in a cutout, trace the outline of the back of the WattBox on the surface to be cut and cut out the opening.
3. Attach the brackets to the WattBox in the desired fashion. Use 5 screws to secure each bracket.
4. Position the WattBox in the desired mounting location and mark the locations for mounting hardware.
5. Secure the Wattbox™ to the surface using the included screws and anchors.

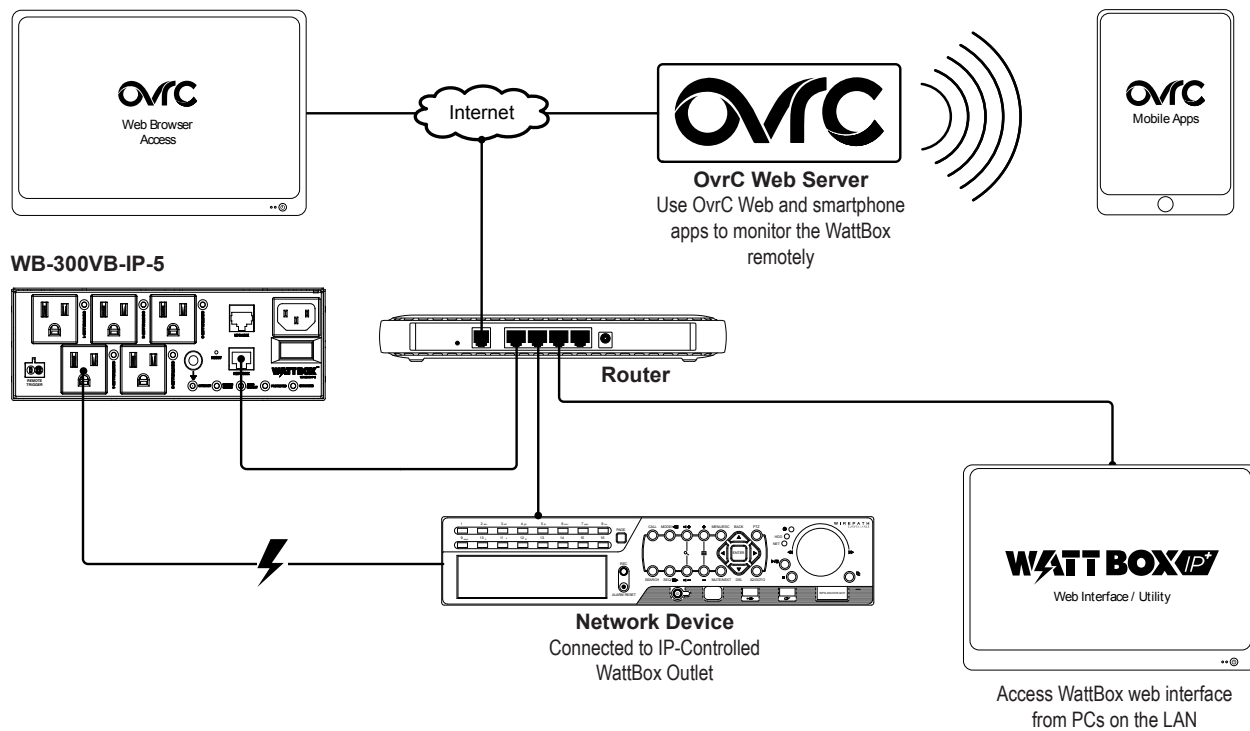
### **Brackets Attached for Cutout Mounting**



### **Brackets Attached for Wall Mounting**



## IP CONNECTIONS AND SETUP



Connect the WattBox™ and any equipment monitored and powered by the WattBox to the local network as illustrated.

After installation, you may set up this device in your OvrC account, and use the Wattbox Utility and web interface to configure LAN-only settings. To ensure reliable integration with other IP equipment, set up a static IP address for the WattBox.

**OvrC Setup** — See the OvrC documentation included in the box with this manual or go to [OvrC.com](http://OvrC.com).

**WattBox Utility Setup** — Load the CD included in the box into a PC on the network. Open the “WattBox IP QSG” PDF and follow the instructions for using the Utility software.

**Web Interface Access** — After using the WattBox utility, you may access the web interface locally to continue IP configuration. Visit the product support tab for this WattBox product for web interface documentation.

## **IMPORTANT SAFETY INSTRUCTIONS**

Read and observe the following safety points at all times.

### **WARNING – Power Sources**

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

### **WARNING – Grounding and Polarization**

This plug is designed to be inserted into a grounded-type outlet only. Do not force the Component plug into an outlet that is not designed to accept a three-wire grounded-type AC plus (three prong plug) Never attempt to dismantle the plug in any way (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™ component requires a properly grounded outlet for safety and to protect connected equipment. If you're not sure if your home's electrical wiring is properly grounded, have it checked by a qualified electrician.

If any rooftop devices such as satellite dishes, antennas, or any other component with wire being used that connects to the Component, be sure the wire(s) is properly grounded. This protects against voltage surges and static charges.

Do not place any antenna near overhead power lines or any other power circuit. Do not touch any power line or power circuit. Doing so may cause severe physical injury or possibly death.

### **WARNING – Liquid: Avoiding Electrical Shocks**

Do not operate the Component if liquid of any kind is spilled onto or inside the unit. Do not operate the Component near rain or water that's spilled or contained (e.g., bathtub, kitchen, or sink).

### **WARNING – Power Cord Safety**

When routing the Component's AC power cord, do not place it near heavy foot traffic areas (e.g., hallways, doorways, and floors). Do not create a trip hazard with the power cord.

If the power cord's protective jacket begins to rip or fray, exposing the internal wiring, shielding, etc., disconnect it from the AC power source and discontinue use of the Component immediately. See the Warranty Information section of this owner's manual for important details.

### **WARNING – No User Serviceable Parts Inside**

If, for any reason, the Component is not operating properly, do not remove any part of the unit (cover, etc.) for repair. Unplug the unit and consult the Warranty Information section of this owner's manual for important details.

### **CAUTION – Exposure To Heat**

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

### **CAUTION – Proper Cleaning**

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

### **CAUTION – Earthing**

Component should be installed by certified service personnel to ensure that the product is connected to a socket-outlet with a protective earthing connection.

## TROUBLESHOOTING

Symptom	Possible Cause	Remedy
Wattbox™ is not receiving power.	Wattbox™ is not turned On.	<ul style="list-style-type: none"> <li>• Turn Wattbox™ switch on. Make sure AC power plug is plugged into a properly grounded 120 volts (nominal) wall outlet.</li> <li>• In some households, a wall switch may need to be turned on to make the wall outlet active. Try turning on the light switches located near the wall outlet.</li> </ul>
	Too many devices are connected, causing an overload, tripping the Thermal Circuit Breaker.	<ul style="list-style-type: none"> <li>• Turn WattBox™ power switch OFF, then return it to the RESET position.</li> <li>• If the circuit breaker continues to trip, try moving one or more components to another Wattbox™. Too much current may be drawing through one Wattbox™.</li> </ul>
Component is not receiving power.	Component is plugged into a controlled outlet and the outlet is off.	<ul style="list-style-type: none"> <li>• Log into WattBox™ interface to turn the outlet On</li> </ul>
	Component is plugged into a controlled outlet, but power on the component is not On. In some instances, a component plugged into a switched outlet won't receive power when Wattbox™ is turned On unless the component power is also switched On.	<ul style="list-style-type: none"> <li>• Turn the component power On.</li> </ul>
Speakers emit a humming or buzzing noise.	Wattbox™ is sharing AC power with equipment that is not properly grounded.	<ul style="list-style-type: none"> <li>• Connect Wattbox™ to a dedicated outlet.</li> <li>• Try unplugging different components from the Wattbox™ one at a time to see if the noise stops.</li> </ul>

## SPECIFICATIONS

<b>Outlets</b>	
Type	NEMA 5-15
Number of Outlets	5 (separately controlled)
<b>AC Power</b>	
Line Voltage	120V, 60Hz
AC Input Connection	IEC C-14
Circuit Breaker Rating	15A
UL Current Rating	12A
Voltage Protection Rating (UL 1449 3rd Edition)	500V
Joule Rating	2160 Joules
Surge Component	Ceramic Encased MOV
Protection Modes	L-N, L-G, N-G
Peak Impulse Current	48,000A
Disconnect Circuitry	Yes
Thermal Fuse	Yes
<b>EMI / RFI Noise Filtration</b>	
All Outlets	53dB, 1kHz to 1MHz
<b>Operating Temperature Range</b>	14 to 104°F (-10 to +40°C)
<b>UL Certifications</b>	UL 60950-1, UL 1449, UL 498 UL 497A/B, UL 1283
<b>Dimensions</b>	7.9"W x 2.7"H x 6.75"D (w/o brackets)
<b>Connected Equipment Warranty</b>	\$50,000



## WARRANTY

### 5-Year Limited Warranty

This WattBox® product has a 5-Year Limited Product Warranty and a 5-Year Network Connectivity Warranty. The 5-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 the specified shipping location or a designated service center with prior notification and an assigned return authorization number (RA).

### 5-Year Replacement Policy

Valid only in the United States and Canada. If your WattBox surge protector 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 by the original buyer.

### Warning Notice

#### WARRANTY LIMITATION FOR INTERNET PURCHASERS:

WattBox products purchased outside of the WattBox or Aisle8 internet website do not carry a valid Connected Equipment Protection Policy unless purchased from an Authorized Dealer.

**CAUTION:** Audio/Video, computer and/or telephone system installations can be very complex systems, which consist of many interconnected components. Due to the nature of electricity and surges, a single protector may not be able to completely protect complex installations. In those cases, a systemic approach using multiple protectors must be employed. 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 will render the connected equipment protection policy null and void. For additional information on how to protect your system, please contact WattBox before connecting your equipment to the surge protector.

#### WattBox Surge Protector Connected Equipment Protection Policy

Valid only in the United States and Canada. It is the policy of WattBox 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 WattBox surge protector. WattBox 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:

##### 1. PROOF OF PURCHASE REQUIRED:

WattBox's connected equipment policy extends to the original purchaser of the WattBox product only and is non-transferable. Original purchase receipts must accompany any product return or claim for connected equipment damage.

##### 2. PROPER INSTALLATION:

WattBox AC protectors must be directly plugged into a properly grounded 3-wire AC outlet. Extension cords, non-grounded two prong adapters, or other non-WattBox 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 WattBox 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. WattBox installation instructions and diagrams must be followed.

##### 3. NOTIFICATION:

You must notify WattBox 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 WattBox Customer Service Department returning the protector to WattBox. At this time, you must notify WattBox 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 WattBox. Please note that you are responsible for any and all charges related to shipping the unit to WattBox.

If connected equipment damage was indicated on your RA request, WattBox will request the make and model of all connected equipment, a connection diagram of your system, as well as other requests based on the extent of the request for product placement or payment for connected equipment damage. All requests by WattBox are to be completed and returned within 30 days. Be sure to note its configuration before disconnecting your equipment.

#### **4. DETERMINATION OF FAILURE:**

WattBox will evaluate the protector for surge damage. The protector must show signs of surge damage or must be performing outside of design specifications relative to its surge protection capability. Opening the enclosure, tampering with, or modifying the unit in any way shall be grounds for an automatic denial of your request for payment. WattBox, after evaluating all information provided, shall, in its sole discretion, determine whether or not your request is eligible for payment.

If the surge protector shows no signs of AC power or signal line surge damage and is working within design specifications, WattBox will return the unit to you explaining the test results and notifying you of the rejection of your claim. WattBox reserves the right to inspect the damaged connected equipment, parts, or circuit boards. WattBox also reserves the right to inspect the customer's facility. Damaged equipment deemed uneconomical to repair must remain available for inspection by WattBox until the claim is finalized.

#### **5. REQUEST PAYMENTS:**

Once WattBox has determined that you are entitled to compensation, WattBox will, at its election, pay you the present fair market value of the damaged equipment, or pay for the cost of the repair, or send you replacement equipment, or pay the equivalence of replacement equipment.

#### **6. OTHER INSURANCE/WARRANTIES:**

This coverage is secondary to any existing manufacturer's warranty, implied or expressed, or any insurance and/or service contract that may cover the loss.

#### **7. EXCLUSIONS:**

THE WattBox SURGE PROTECTOR EQUIPMENT POLICY DOES NOT APPLY TO: Service charges, installation costs, reinstallation costs; setup cost; diagnostic charges; periodic checkups; routine maintenance; loss of use of the product; costs or expenses arising out of reprogramming or loss of programming and/or data; shipping charges or fees; service calls; loss or damage occasioned by fire, theft, flood, wind, accident, abuse or misuse; and products subject to manufacturer's recall or similar event.

#### **8. DISPUTE RESOLUTION:**

Any controversy or claim arising out of or relating to WattBox's Surge Protector Equipment Policy, or the alleged breach thereof, shall be settled by arbitration administered by the American Arbitration Association under its Commercial Arbitration Rules. You may file for arbitration at any AAA location in the United States upon the payment of the applicable filing fee. The arbitration will be conducted before a single arbitrator, and will be limited solely to the dispute or controversy between you and WattBox. The arbitration shall be held in any mutually agreed upon location in person, by telephone, or online.

Any decision rendered in such arbitration proceedings will be final and binding on each of the parties, and judgment may be entered thereon in a court of competent jurisdiction. The arbitrator shall not award either party special, exemplary, consequential, punitive, incidental or indirect damages, or attorney's fees. The parties will share the costs of arbitration (including the arbitrator's fees, if any) in the proportion that the final award bears to the amount of the initial claim.

#### **9. GENERAL**

If you have any questions regarding the product warranty or the connected equipment protection policy, please contact the WattBox Customer Service Department. This warranty supersedes all previous warranties. This is the only warranty provided with the protector and any other implied or expressed warranties are nonexistent. This warranty may not be modified except in writing, signed by an officer of the SnapAV Corporation.

## **CONTACTING TECHNICAL SUPPORT**

**Phone:** (866) 838-5052 - **Email:** [Techsupport@wattboxpower.com](mailto:Techsupport@wattboxpower.com)



**WATT BOX**

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