

Smartbitt SBAVR900

Smartbitt Voltage Regulator SBAVR900 User Manual

Brand: Smartbitt

Model: SBAVR900

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe and efficient operation of your Smartbitt Voltage Regulator SBAVR900. This device is designed to protect your electronic equipment from voltage fluctuations, power surges, and spikes, ensuring stable power delivery.

The Smartbitt Voltage Regulator SBAVR900 features 8 outlets with automatic voltage regulation (AVR) and peak suppression capabilities. It includes an electronic breaker for overload protection, telephone line protection (RJ-11), and an LED indicator to display operational status. The unit is designed to accept an input voltage range of 95V to 148V.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before installing and operating the Smartbitt Voltage Regulator SBAVR900. Failure to follow these instructions may result in electric shock, fire, or damage to the unit or connected equipment.

- **Indoor Use Only:** This device is intended for indoor use in a controlled environment. Do not expose it to rain, moisture, or direct sunlight.
- **Proper Grounding:** Ensure the wall outlet used for the regulator is properly grounded. Do not remove the grounding prong from the power cord.
- **Ventilation:** Place the regulator in a well-ventilated area. Do not block ventilation openings.
- **Avoid Overload:** Do not exceed the maximum load capacity of 900 VA / 900 Watts. Overloading can trigger the electronic breaker or damage the unit.
- **No User Serviceable Parts:** Do not attempt to open or repair the unit. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- **Liquid Contact:** Keep the unit away from liquids. If liquid enters the unit, immediately disconnect it from the power source and contact customer support.
- **Cleaning:** Disconnect the unit from the power source before cleaning. Use a dry cloth to clean the exterior. Do not use liquid or aerosol cleaners.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Smartbitt Voltage Regulator SBAVR900
- 1 x User Manual

4. PRODUCT FEATURES

The Smartbitt Voltage Regulator SBAVR900 offers the following key features:

- **Automatic Voltage Regulation (AVR):** Automatically corrects minor voltage fluctuations without switching to battery power, ensuring a stable output.
- **8 Regulated Outlets:** Provides stable power to up to eight electronic devices.
- **Peak Suppression:** Protects connected equipment from damaging power surges and spikes.
- **Electronic Breaker:** Resettable overload protection to prevent damage from excessive current draw.
- **Telephone Protection (RJ-11):** Safeguards telephone, modem, or fax lines from surges.
- **LED Indicator:** Provides visual status of the unit's operation.
- **Wide Input Voltage Range:** Operates effectively within an input voltage range of 95V to 148V.

5. SETUP

Follow these steps to set up your Smartbitt Voltage Regulator SBAVR900:

1. **Unpack the Unit:** Carefully remove the voltage regulator from its packaging.
2. **Placement:** Place the unit on a flat, stable surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure there is adequate space around the unit for air circulation.
3. **Connect Devices:** Plug your electronic devices (computers, monitors, printers, etc.) into the 8 output outlets on the regulator. Ensure the total power consumption of all connected devices does not exceed 900 VA / 900 Watts.



Image: Smartbitt Voltage Regulator SBAVR900, showing the top view with 8 output outlets and the Smartbitt logo.

4. **Connect Telephone Line (Optional):** If you wish to protect your telephone, modem, or fax line, connect the incoming telephone line to the RJ-11 'IN' port on the regulator. Then, connect a telephone cable from the RJ-11 'OUT' port on the regulator to your telephone, modem, or fax device.
5. **Connect to Power:** Plug the power cord of the Smartbitt Voltage Regulator into a standard, properly grounded wall outlet.

6. OPERATING INSTRUCTIONS

Once connected, the Smartbitt Voltage Regulator SBAVR900 operates automatically to protect your devices.

- **Power On:** The unit will automatically power on when plugged into a live wall outlet.
- **LED Indicator:** The LED indicator on the front panel will illuminate to show the operational status. A steady light typically indicates normal operation and stable voltage output. Refer to the specific LED behavior in the troubleshooting section for more details.
- **Automatic Voltage Regulation:** The regulator continuously monitors the incoming voltage. If the voltage deviates

outside the safe range (95V-148V), the AVR function will automatically adjust the output voltage to a safe level for your connected devices.

- **Overload Protection:** If the total power consumption of connected devices exceeds the unit's capacity (900 VA / 900 Watts), the electronic breaker will trip, cutting power to the outlets to prevent damage.

7. MAINTENANCE

The Smartbitt Voltage Regulator SBAVR900 requires minimal maintenance.

- **Cleaning:** Periodically clean the exterior of the unit with a dry, soft cloth. Ensure the unit is unplugged from the wall outlet before cleaning. Do not use liquid or abrasive cleaners.
- **Ventilation:** Ensure that the ventilation openings remain clear of dust and debris to prevent overheating.
- **Storage:** If storing the unit for an extended period, disconnect it from all power sources and store it in a cool, dry place.

8. TROUBLESHOOTING

If you encounter issues with your Smartbitt Voltage Regulator, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No power to connected devices / LED indicator off	Regulator not plugged in; Wall outlet has no power; Electronic breaker tripped.	Ensure the regulator is securely plugged into a live wall outlet. Check the wall outlet with another device. Press the electronic breaker reset button (if applicable) or reduce the load and restart.
LED indicator flashing or behaving unusually	Input voltage outside operating range; Internal fault.	Check the input voltage to ensure it is within 95V-148V. If the problem persists, disconnect the unit and contact customer support.
Electronic breaker trips frequently	Overload; Faulty connected device.	Reduce the total load connected to the regulator. Ensure the total power consumption does not exceed 900 VA / 900 Watts. Disconnect devices one by one to identify a faulty device.
Connected devices still experience power issues	Severe voltage fluctuations; Regulator capacity exceeded; Regulator malfunction.	Ensure the regulator's capacity is sufficient for your devices. If severe power issues persist, contact your utility provider or Smartbitt customer support.

If the problem persists after attempting these solutions, please contact Smartbitt customer support for further assistance.

9. SPECIFICATIONS

Technical specifications for the Smartbitt Voltage Regulator SBAVR900:

Feature	Specification
Model Number	SBAVR900
Brand	Smartbitt

Feature	Specification
Input Voltage Range	95V - 148V
Output Capacity	900 VA / 900 Watts
Current	8 Amps
Number of Outlets	8
Protection Features	Voltage Regulation, Peak Suppression, Electronic Breaker, RJ-11 Telephone Protection
Dimensions (L x W x H)	24.8 cm x 9 cm x 8.75 cm (9.76 in x 3.54 in x 3.44 in)
Weight	1.6 kg (3.53 lbs)
Color	Black



Image: Dimensions of the Smartbitt Voltage Regulator SBAVR900, indicating a length of 248 mm, width of 90 mm, and height of 87.5 mm.

10. WARRANTY INFORMATION

The Smartbitt Voltage Regulator SBAVR900 is covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration of the warranty. Retain your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, product inquiries, or customer service, please contact Smartbitt customer support. Contact information can typically be found on the Smartbitt website or on the product packaging.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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