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### BSIDE S11 Red

# BSIDE Color LCD Digital Multimeter User Manual

Model: S11 Red | Brand: BSIDE



Image: The BSIDE S11 Red Digital Multimeter, showcasing its vibrant color LCD, test leads, and included carrying case.

## INTRODUCTION

The BSIDE S11 Red Digital Multimeter is an advanced, user-friendly tool designed for precise electrical measurements. Featuring a large 3.5-inch color LCD, it displays up to three test results simultaneously, enhancing readability and efficiency. Its smart technology automatically identifies parameters and selects the appropriate range, making it ideal for both beginners and experienced professionals. This manual provides comprehensive instructions for safe and effective use of your new multimeter.

## WHAT'S IN THE BOX

- 1 x BSIDE S11 Red Digital Multimeter
- 1 x Pair of Test Leads (Red and Black)
- 1 x Carrying Case
- 1 x Rechargeable Lithium-Ion Battery (pre-installed)
- 1 x USB Charging Cable
- 1 x User Manual



Image: All items included in the BSIDE S11 Red Digital Multimeter package, neatly arranged.

## KEY FEATURES

- **Smart Mode:** Automatically identifies and measures AC/DC voltage, resistance, and continuity, simplifying operation for all users.
- **Color LCD Display:** A large 3.5-inch color screen provides enhanced readability, even in varying light conditions.

# Super Large Color LCD



Image: A detailed view of the multimeter's large 3.5-inch color LCD, highlighting its size and clarity.

- **3 Results Display:** Simultaneously shows up to three test results, such as voltage, frequency, and an analog bar, for comprehensive data at a glance.

# 3 Results Display



Image: The multimeter's screen showing three distinct measurement results at once, demonstrating its multi-display capability.

- **Rechargeable Battery:** Equipped with a built-in 800mAh Li-ion battery and a charging cable, eliminating the need for disposable batteries.



Image: The multimeter connected to a charging cable, illustrating its rechargeable feature.

- **Durable Protective Case:** Comes with a robust, detachable case that protects against shocks, friction, and bumps, ensuring longevity.

# Protective Case

durable protective case for protection against shocks, friction and bumps



Image: The multimeter shown with its durable protective case, emphasizing its robust design.

- **Versatile Applications:** Suitable for various tasks including electronic maintenance and automotive diagnostics.

# Electronic Maintenance



Image: The multimeter in use for electronic maintenance, demonstrating its practical application.



Image: The multimeter being used for automotive maintenance, specifically testing a car battery.

## INITIAL SETUP

### Charging the Battery

The BSIDE S11 Red Multimeter comes with a pre-installed rechargeable lithium-ion battery. Before first use, or when the battery indicator shows low power, charge the device using the provided USB charging cable.

1. Connect the small end of the USB charging cable to the charging port on the multimeter.
2. Connect the larger end of the USB cable to a standard USB power adapter (not included) or a computer's USB port.
3. The charging indicator on the multimeter will illuminate during charging and turn off when fully charged.

### Connecting Test Leads

Proper connection of the test leads is crucial for accurate and safe measurements.

1. Insert the black test lead into the 'COM' (Common) input jack.

2. Insert the red test lead into the 'INPUT' jack for most voltage, resistance, capacitance, frequency, diode, and live check measurements.
3. Ensure the leads are firmly seated in their respective jacks.

## OPERATING MODES

The BSIDE S11 Red Multimeter offers various measurement modes. The smart mode simplifies operation by automatically detecting the measurement type. You can also manually select specific functions.

### Smart Mode (AUTO)

In Smart Mode, the multimeter automatically identifies the tested parameter (AC/DC voltage, resistance, or continuity) and selects the appropriate range. This is the default and most convenient mode for general use.

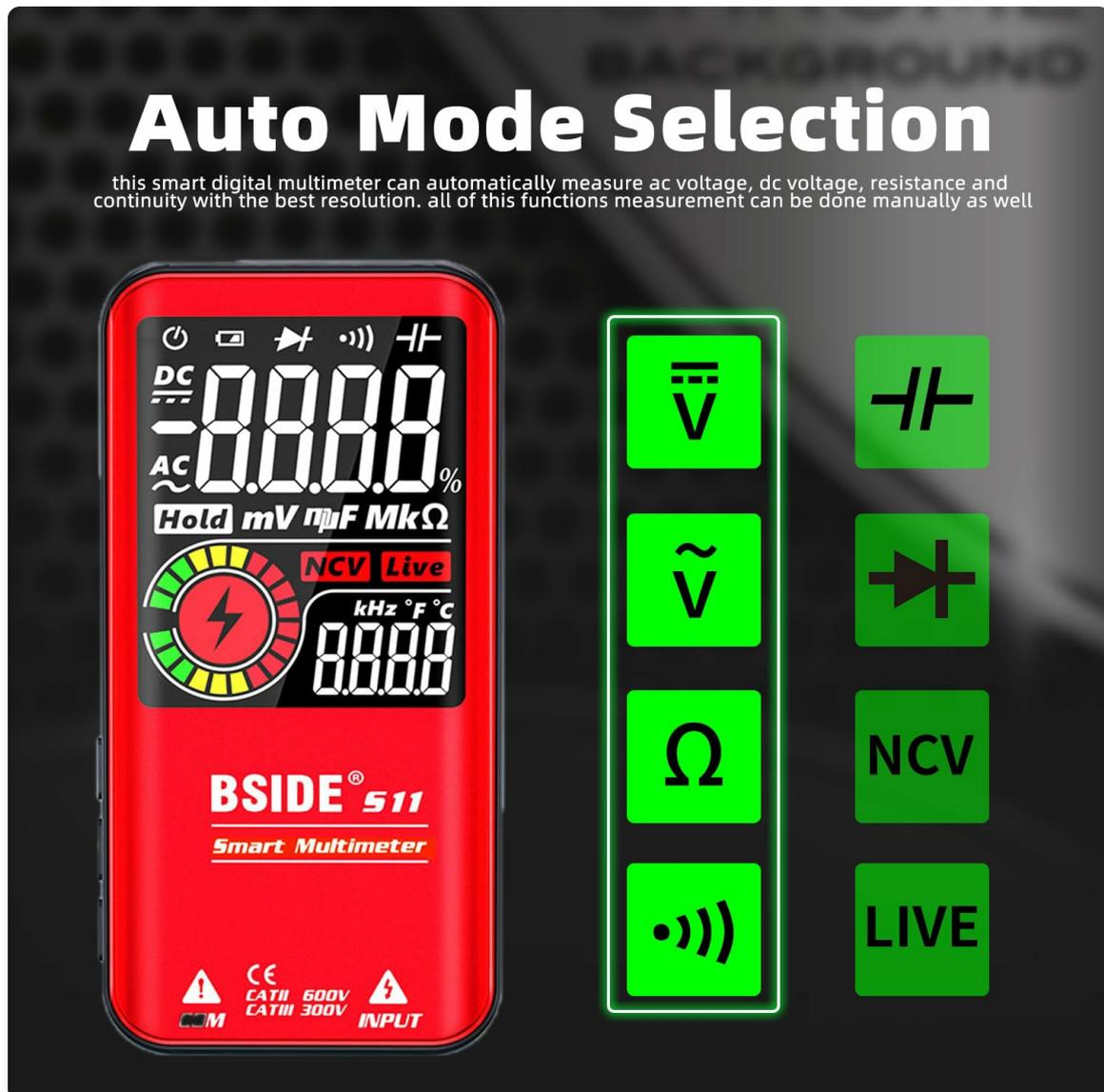


Image: The multimeter's screen displaying the 'AUTO' mode, indicating its smart automatic measurement capability.

### Voltage Measurement (DCV / ACV)

To measure voltage, connect the test leads across the component or circuit you wish to measure. The multimeter will automatically detect if it's AC or DC voltage in Smart Mode. For manual selection, press the 'FUNC' button until the desired voltage mode (DCV or ACV) is displayed.

- **DC Voltage:** 0V-620V  $\pm(0.5\%+3)$
- **AC Voltage:** 0V-620V  $\pm(0.5\%+5)$

## Resistance Measurement (Ohm)

To measure resistance, ensure the circuit is de-energized. Connect the test leads across the resistor or component. The multimeter will display the resistance value.

- **Resistance Range:** 1 $\Omega$ -999.9 $\Omega$   $\pm(2.0\%+5)$ , 1k $\Omega$ -60M $\Omega$   $\pm(1.0\%+3)$

## Capacitance Measurement

To measure capacitance, ensure the capacitor is fully discharged before connecting the test leads. Connect the leads across the capacitor terminals.

- **Capacitance Range:** 1nF-999.9nF  $\pm(6.0\%+5)$ , 1 $\mu$ F-99.99mF  $\pm(3.0\%+3)$

## Frequency Measurement

The multimeter can measure the frequency of AC signals.

- **Frequency Range:** 1Hz-1000Hz  $\pm(1.0\%+5)$  (ACV: 2V-10V), 1KHz-60KHz  $\pm(1.0\%+5)$  (ACV: 10V-620V)

## Diode Test

Use this mode to test diodes. The multimeter will automatically identify if the diode voltage is less than 3.0V.

## Continuity Test

For continuity testing, connect the test leads across the circuit or component. A beeper will sound if the resistance is less than 30 $\Omega$ , indicating continuity.

## V-Alert (Non-Contact Voltage Detection) & Live Check

The V-Alert function allows for non-contact voltage detection, providing a beep alarm. The Live Check function also provides an alarm and displays a stripe on the LCD screen to indicate live wires.

## Official Product Video: Color LCD Display Multimeter

Your browser does not support the video tag.

Video: An official product video demonstrating the features and various measurement capabilities of the BSIDE S11 Digital Multimeter, including its color LCD display and smart functions.

## SPECIFICATIONS

| Specification | Value |
|---------------|-------|
|---------------|-------|

| Specification     | Value  |
|-------------------|--|
| Max Display       | 9999 counts  |
| Display Type      | Color Screen   |
| Screen Size       | 3.5 inch   |
| DC Voltage Range  | 0V-620V $\pm(0.5\%+3)$   |
| AC Voltage Range  | 0V-620V $\pm(0.5\%+5)$   |
| Resistance Range  | 1 $\Omega$ -999.9 $\Omega$ $\pm(2.0\%+5)$ , 1k $\Omega$ -60M $\Omega$ $\pm(1.0\%+3)$ |
| Capacitance Range | 1nF-999.9nF $\pm(6.0\%+5)$ , 1 $\mu$ F-99.99mF $\pm(3.0\%+3)$                        |
| Frequency Range   | 1Hz-1000Hz $\pm(1.0\%+5)$ (ACV:2V-10V); 1KHz-60KHz $\pm(1.0\%+5)$ (ACV:10V-620V)     |
| Duty Cycle        | 0.1%-99.9% $\pm(3.0\%+5)$ (ACV:2V-620V)  |
| Diode Test        | Auto identify diode if less than 3.0V  |
| Continuity        | Beeper sounds if resistance < 30 $\Omega$  |
| Power             | Rechargeable 3.7 V * 1 battery (included)  |
| Size              | 143*69*17mm  |
| Weight            | 143 Grams (5.04 ounces)  |

## MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the multimeter's exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the multimeter in its carrying case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, charge the multimeter regularly and avoid fully discharging it for extended periods. If storing for a long time, charge it periodically.
- **Test Leads:** Inspect test leads for any signs of damage (cracks, frayed insulation) before each use. Replace damaged leads immediately.

## TROUBLESHOOTING

- **No Power:**
  - Ensure the battery is charged. Connect the multimeter to the charging cable and allow it to charge.
  - Press and hold the power button for a few seconds to ensure it's not just in standby mode.
- **Incorrect Readings:**
  - Check that the test leads are correctly inserted into the appropriate jacks for the measurement type.
  - Ensure good contact between the test probes and the circuit/component.
  - Verify that the multimeter is in the correct mode (Smart Mode or specific manual mode).
- **Display Shows 'OL' (Overload):**
  - This indicates that the measured value exceeds the selected range. In Smart Mode, the device should auto-range. If manually selected, switch to a higher range.
  - For resistance, 'OL' typically means an open circuit.
- **No Continuity Beep:**
  - Ensure the multimeter is in continuity mode.
  - Check for a break in the circuit or component being tested.

## WARRANTY AND SUPPORT

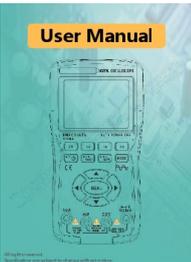
Your BSIDE S11 Red Digital Multimeter is backed by a manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the warranty card included in your product packaging or contact BSIDE customer support directly.

If you encounter any issues not covered in this troubleshooting section, or require further assistance, please contact BSIDE customer service. Keep your purchase receipt and product model information handy for faster service.

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### Related Documents - S11 Red

|   |  |
|---|--|
|  | <p><a href="#">BSIDE S10/S11 Smart Digital Multimeter User Manual</a></p> <p>Comprehensive guide for the BSIDE S10/S11 Smart Digital Multimeter, covering safety warnings, product structure, button descriptions, technical specifications, operating instructions, and maintenance. Learn how to measure DC/AC voltage, resistance, capacitance, continuity, frequency, duty cycle, and perform NCV and LIVE wire detection.</p> |
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|  <p>BSIDE®<br/>РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ<br/>цифрового<br/>Мультиметр цифровой BSIDE S10S11</p>                       | <p><a href="#">BSIDE S10/S11 Digital Multimeter User Manual and Specifications</a></p> <p>Comprehensive user manual and technical specifications for the BSIDE S10 and BSIDE S11 digital multimeters, covering operation, safety, features, and warranty. Includes detailed instructions and product information.</p>  |
|  <p>User Manual</p>   | <p><a href="#">Bside ZT702S Digital Oscilloscope Multimeter User Manual</a></p> <p>Comprehensive user manual for the Bside ZT702S digital oscilloscope multimeter, covering operation, safety instructions, maintenance, and detailed technical specifications for both oscilloscope and multimeter functions.</p>   |
|  <p>BSIDE®<br/>РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ<br/>цифрового<br/>Индикатор напряжения бесконтактный<br/>BSIDE AVD06</p>   | <p><a href="#">BSIDE AVD06 Non-Contact Voltage Indicator User Manual</a></p> <p>Comprehensive user manual for the BSIDE AVD06 non-contact voltage indicator. This guide provides detailed information on product specifications, safe operation, features like auto/manual modes, sensitivity settings, AC voltage measurement, wire checking, and warranty details. Essential for electricians and DIY users.</p> |