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WEUASTE BSD01

WEUASTE BSD01 Motorcycle Blind Spot Detection System User Manual

Brand: WEUASTE | Model: BSD01

PRODUCT OVERVIEW

The WEUASTE BSD01 Motorcycle Blind Spot Detection System is designed to enhance rider safety by providing comprehensive 360° protection. It monitors vehicles approaching from behind, left, and right sides, alerting the rider to potential hazards within its operational range. This IP67-rated waterproof system ensures reliable performance in various weather conditions, offering crucial extra reaction time for safer lane changes and maneuvers.

Key Features:

- **360° Blind Spot Monitoring:** Detects vehicles approaching from the rear and sides.
- **24GHz Millimeter Wave Sensor:** Provides precise and reliable detection.
- **IP67 Waterproof Rating:** Ensures all-weather performance in rain, fog, or snow.
- **ACC Power Support:** Automatic power on/off with motorcycle ignition, preventing battery drain.
- **130° Rear Blind Spot Zone:** Monitors a wide area behind the motorcycle.
- **30-Meter Safety Perimeter:** Alerts when vehicles enter this critical zone.
- **Easy DIY Installation:** Warning lights attach with strong adhesive to rearview mirrors.

PACKAGE CONTENTS

The WEUASTE BSD01 system includes all necessary components for installation and operation:

- Radar Sensor
- LED Indicator Lights (Left & Right)
- Power Harness with ACC support
- BSD Bracket
- Double-sided Adhesive

- Installation Tools and Screws
- Binding Straps (x10)
- Electrical Tape
- User Manual

Accessories Details

Installation Tool



Radar Sensor



Power Harress



Installation Tool and Screws



BSD Bracket



Double-sided Adhesive



Binding Strap*10



Electrical Tape

Figure 1: Contents of the WEUASTE BSD01 Motorcycle Blind Spot Detection System package.

INSTALLATION GUIDE

Follow these steps for proper installation of your WEUASTE BSD01 system:

1. Mounting the Radar Sensor:

1. Attach the double-sided adhesive to the host bracket.
2. Securely attach the host bracket to the radar sensor.
3. Mount the radar sensor at the back of the motorcycle. Ensure it is perpendicular to the ground at 90° and approximately 20 inches (50 cm) from the ground. The arrow on the sensor should point upwards.
4. Tighten the nuts with the provided wrench to secure the sensor.

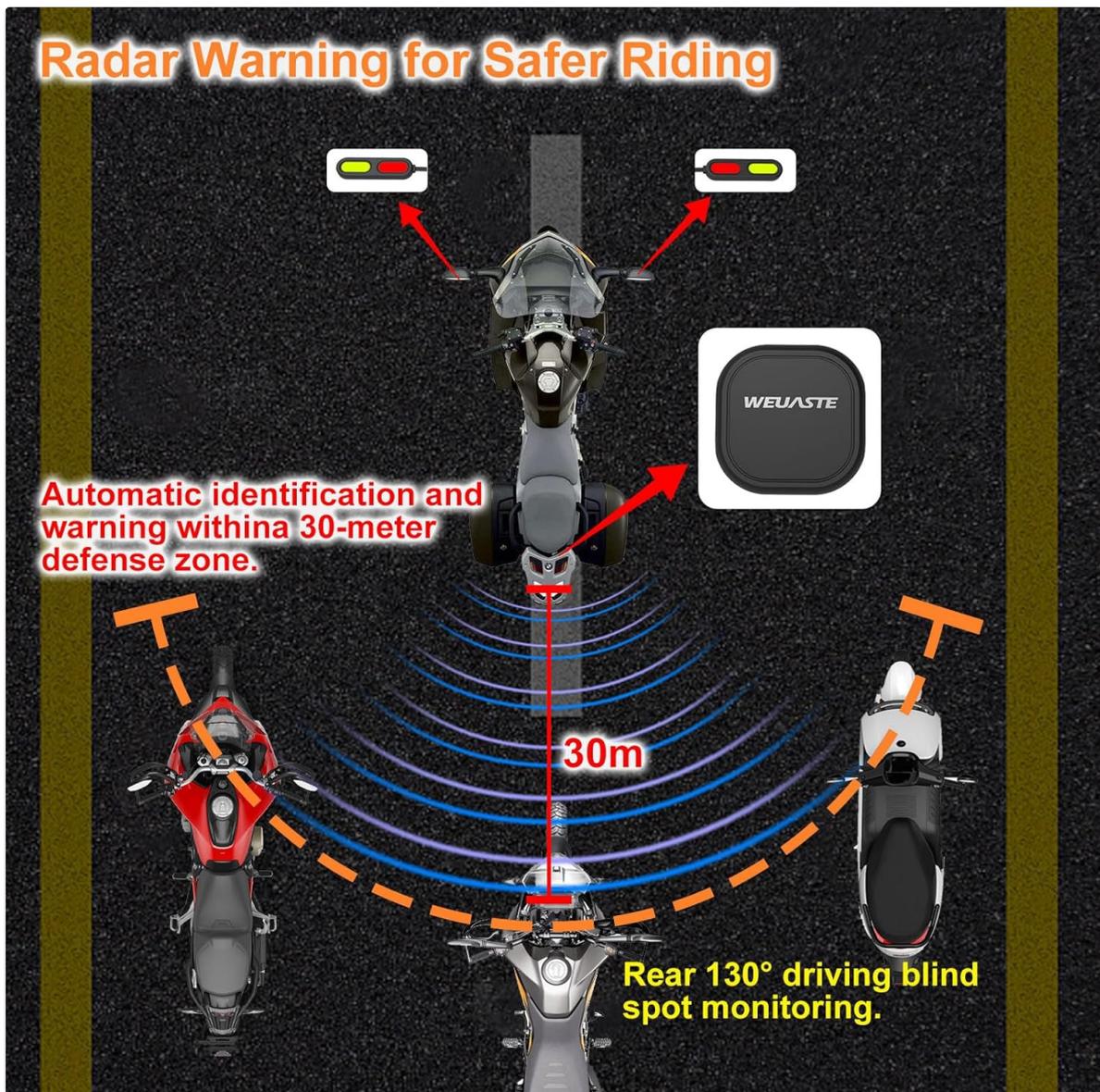


Figure 2: Radar detection zone and sensor placement.

2. Installing LED Indicator Lights:

1. Identify the left (L) and right (R) warning lights.
2. Peel off the adhesive backing from the warning lights.
3. Attach the left warning light to the left rearview mirror and the right warning light to the right rearview mirror. Ensure they are clearly visible.

Your Safety, We Really Care!



Figure 3: LED indicator lights mounted on rearview mirrors.

3. Power Connection:

1. Connect the positive wire of the power harness to your motorcycle's ACC (Accessory) line.
2. Connect the negative wire of the power harness to the battery terminal.
3. Secure all wiring using the provided binding straps and electrical tape to prevent interference and ensure durability.
4. The system will automatically power on and off with your motorcycle's ignition.

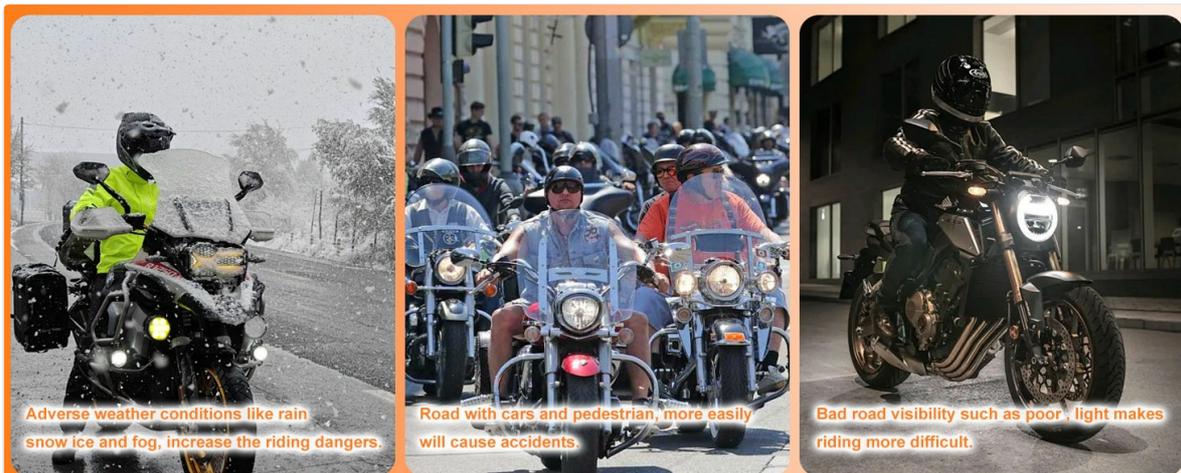


Figure 4: ACC power connection diagram.

Installation Videos:

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Video 1: Official WEUASTE Motorcycle BSD Blind Spot Detection System Installation Guide. This video demonstrates the complete installation process for the system.

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Video 2: WEUASTE Motorcycle BSD Blind Spot Detection System ACC Connect. This video focuses specifically on connecting the system to the motorcycle's ACC power source.

OPERATING INSTRUCTIONS

The WEUASTE BSD01 system operates automatically once installed and connected to the ACC power.

- 1. Automatic Activation:** The system powers on automatically when your motorcycle is started and powers off when the ignition is turned off.
- 2. Detection:** The 24GHz millimeter wave sensor continuously monitors the 130° rear blind spot zone and a 30-meter safety perimeter.
- 3. Warning Indicators:**
 - When a vehicle approaches from the left rear, the left yellow light on your rearview mirror will illuminate.
 - When a vehicle approaches from the right rear, the right yellow light on your rearview mirror will illuminate.
 - When a vehicle approaches directly from behind, both red lights in the center of the indicators will light up simultaneously.
- 4. All-Weather Performance:** The IP67 waterproof design ensures consistent radar detection performance even in heavy rain, fog, or snow.



Figure 5: Visual representation of the detection zones and warning lights.

MAINTENANCE

To ensure optimal performance and longevity of your WEUASTE BSD01 system, follow these maintenance guidelines:

- **Regular Cleaning:** Keep the radar sensor and LED indicator lights clean from dirt, mud, and debris. Use a soft, damp cloth to wipe them gently. Avoid abrasive cleaners that could damage the surfaces.
- **Wiring Inspection:** Periodically check all wiring connections for any signs of wear, fraying, or loose

connections. Ensure all cable ties are secure.

- **Sensor Alignment:** Verify that the radar sensor remains perpendicular to the ground and securely mounted. Any significant impact or vibration could alter its alignment.
- **Adhesive Check:** Ensure the adhesive backing on the LED indicator lights remains firmly attached to your rearview mirrors. Reapply or replace if necessary.
- **Avoid High-Pressure Water:** While the system is IP67 waterproof, avoid directing high-pressure water directly at the sensor or indicator lights during washing, as this could potentially compromise seals over time.

TROUBLESHOOTING

If you experience issues with your WEUASTE BSD01 system, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
System does not power on.	Incorrect ACC power connection or loose wiring.	Check ACC and battery connections. Ensure wires are securely connected. Verify ACC line is receiving power when ignition is on.
No warning lights or incorrect alerts.	Sensor misaligned, obstructed, or faulty wiring to indicator lights.	Verify sensor is perpendicular to the ground and not obstructed. Check wiring to LED indicator lights for secure connections.
False alarms or inconsistent detection.	Sensor obstruction (dirt, mud), improper mounting angle, or environmental interference.	Clean the radar sensor. Re-check sensor mounting angle and ensure it's within recommended height. Avoid areas with strong electromagnetic interference.
Indicator lights not sticking.	Surface not clean, old adhesive, or extreme temperatures.	Clean mirror surface thoroughly before applying. Use new double-sided adhesive if necessary. Ensure installation in moderate temperatures.

If issues persist after troubleshooting, please contact WEUASTE customer support for assistance.

SPECIFICATIONS

- **Brand:** WEUASTE
- **Model:** WEUASTE BSD01
- **Item Weight:** 10.8 ounces
- **Product Dimensions:** 1.96 x 1.96 x 0.7 inches
- **Manufacturer Part Number:** YY-BDS-2401
- **Exterior:** Painted
- **ASIN:** B0F79LK6NP
- **Date First Available:** May 2, 2025

WARRANTY AND SUPPORT

Your WEUASTE BSD01 Motorcycle Blind Spot System is backed by a **12-month warranty**. WEUASTE is committed to quality and customer satisfaction.

For any questions or concerns, our dedicated **24/7 technical support** team is available to assist you. We guarantee to address all inquiries within 24 hours.

Please refer to your purchase documentation for specific warranty claim procedures or visit the official WEUASTE website for contact information.