EVERSECU B08B4RSS7J

EVERSECU 4-Camera Wireless Vehicle Backup System with 7-inch Monitor Instruction Manual

Model: B08B4RSS7J

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your EVERSECU 4-Camera Wireless Vehicle Backup System. This system is designed to enhance safety and convenience for various vehicles, including RVs, SUVs, vans, pickups, trucks, and trailers, by providing clear rear, side, and front views.

The system features a 7-inch color monitor and four wireless cameras, offering a robust solution for parking assistance and general vehicle maneuvering. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

Image: The complete EVERSECU 4-Camera Wireless Vehicle Backup System, showing the 7-inch monitor, four wireless cameras, and a

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any components are missing or damaged, please contact customer support.

- 4 x Wireless Car Backup Cameras
- 1 x 7-inch Color Car Monitor
- 5 x Antennas (4 for cameras, 1 for monitor)
- 4 x Power Cables for Cameras
- 1 x Remote Controller
- 1 x Monitor Mount Bracket
- 1 x User Manual (this document)

Image: All components included in the product package, laid out for inspection. This includes the monitor, cameras, antennas, power cables, remote, and mounting bracket.

TECHNICAL SPECIFICATIONS

7-inch Wireless Monitor

- **Operating Frequency:** 2400-2483.5 MHz (Standard: 2370Mhz)
- **Compression Format:** MPEG 4 video
- **Transmit Frequency:** 18 dBm
- **Transmission Speed:** 12 Mbps
- **FHSS:** Frequency Hopping Spread Spectrum
- **Hopping Rate:** 1200 / S
- **Screen Size:** 7-inch 16:9 widescreen
- **Resolution:** 800 RGB x 480 dots
- **System:** PAL / NTSC
- **Operating Voltage:** 12V / 24V DC
- **Power Consumption:** ≤8.64W
- **Operating Temperature:** -10 ℃ to +65 ℃
- **Optional Feature:** Audio support

2.4GHz Wireless Camera

- **Standard:** NTSC: 510 * 492 pixels, PAL: 510 * 582 pixels
- **Resolution:** 420 TVL
- **Lens:** 2.5mm
- **Minimum Illumination:** 0 Lux (LED ON)
- **Infrared Lights:** 18 pcs
- **Night Vision Distance:** 15 meters
- **Waterproof Rating:** IP67
- **Viewing Angle:** 120°
- **Operating Voltage:** 12V / 24V DC
- **Operating Temperature:** -20 ℃ to +70 ℃
- **Shell Material:** Aluminum
- **Mount Material:** Metal

General

- **Item Weight:** 3.76 pounds
- **Batteries:** 1 CR2 battery required (included for remote controller)

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. This system is suitable for RVs, SUVs, vans, pickups, trucks, and trailers. Consider the placement of cameras for rear, side, or front views based on your vehicle type and needs.

1. Camera Placement and Mounting

Determine the desired locations for each of the four cameras. Common placements include the rear of the vehicle for backup, and sides for blind spot monitoring. Ensure the chosen locations provide a clear line of sight and are protected from direct impact.

1. Mount each camera securely using the provided metal brackets.
2. Adjust the camera angle to achieve the desired viewing area.

Image: An illustration demonstrating typical wireless camera placements on a truck and trailer, highlighting the 2.4G wireless signal range.

2. Powering the Cameras

Each camera requires a 12V-24V DC power supply. Connect the camera power cables to a suitable power source on your vehicle.

1. For rear cameras, connect to the vehicle's reversing light circuit so the camera activates when reverse gear is engaged.
2. For side or front cameras, connect to a constant 12V-24V power source or an accessory circuit that can be switched on/off as needed.
3. Ensure all connections are secure and properly insulated to prevent short circuits and water damage.

3. Monitor Installation

Install the 7-inch monitor in a location that provides a clear view for the driver without obstructing the driving view or airbags.

1. Attach the monitor to the mount bracket.
2. Secure the mount bracket to the dashboard or windshield using the provided adhesive pad or screws.
3. Adjust the monitor angle for optimal viewing.

4. Powering the Monitor

The monitor can be powered via the included DC car charger or by wiring it directly to your vehicle's 12V/24V electrical system.

1. **Cigarette Lighter Adapter:** Plug the car charger into your vehicle's cigarette lighter socket.
2. **Direct Wiring:** Connect the DC power cable to a switched 12V/24V power source (e.g., ignition-controlled circuit) to ensure the monitor turns on and off with the vehicle.

5. Antenna Connection

Screw the antennas onto the designated ports on both the cameras and the monitor. Ensure they are tightened securely for optimal wireless signal transmission.

OPERATION

Once installed and powered, the system will automatically attempt to connect to the cameras. The monitor will display the camera feed.

Switching Camera Views

- The 7-inch monitor supports 4-channel video input.
- Use the **V1/V2** button on the monitor or the remote controller to cycle through the connected camera views (Camera 1, Camera 2, Camera 3, Camera 4).
- The system typically displays one camera view at a time.

Remote Controller Functions

The included remote controller allows for convenient adjustment of monitor settings and camera switching without directly touching the monitor.

- **Power Button:** Turns the monitor on or off.
- **Channel Switch Buttons:** Selects the desired camera channel (V1, V2, V3, V4).
- **Menu Button:** Accesses monitor settings (brightness, contrast, color, etc.).
- **Navigation Buttons:** Used to navigate through menu options and adjust values.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your backup camera system.

- **Cleaning Cameras:** Periodically clean the camera lenses with a soft, damp cloth to remove dirt, dust, or water spots that may obscure the view. Avoid abrasive cleaners.

- **Cleaning Monitor:** Use a soft, dry cloth to clean the monitor screen. For stubborn smudges, a screen-safe cleaning solution can be applied to the cloth (not directly to the screen).
- **Check Connections:** Regularly inspect all power cables and antenna connections for signs of wear, corrosion, or looseness. Secure any loose connections.
- **Waterproofing:** While cameras are IP67 waterproof, ensure that power cable entry points are sealed to prevent water ingress, especially after installation or maintenance.
- **Battery Replacement:** Replace the CR2 battery in the remote controller when its functionality diminishes.

TROUBLESHOOTING

If you encounter issues with your EVERSECU backup camera system, refer to the following common problems and solutions:

No Image on Monitor / Black Screen

- **Check Power:** Ensure the monitor is receiving power. Verify the car charger is securely plugged in or direct wiring is correctly connected to a live circuit. Check the vehicle's fuse box if necessary.
- **Camera Power:** Confirm that the cameras are powered on. Check their power connections to the vehicle's electrical system.
- **Antenna Connection:** Ensure all antennas are securely attached to both the monitor and cameras.
- **Channel Selection:** Use the V1/V2 button on the monitor or remote to cycle through all camera channels.

Weak or Intermittent Signal / Fuzzy Picture

- **Obstructions:** Wireless signals can be affected by metal objects, vehicle structure, or other electronic devices. Try to minimize obstructions between the camera and monitor.
- **Distance:** The effective wireless range is up to 50 meters in an open environment and up to 25 meters with obstacles. For longer vehicles like trailers, signal degradation may occur. Consider repositioning cameras or monitor for better line of sight.
- **Antenna Orientation:** Ensure antennas are oriented vertically for best reception.
- **Interference:** Other 2.4GHz wireless devices (Wi-Fi, Bluetooth) can cause interference. Try to operate the system away from such sources if possible.
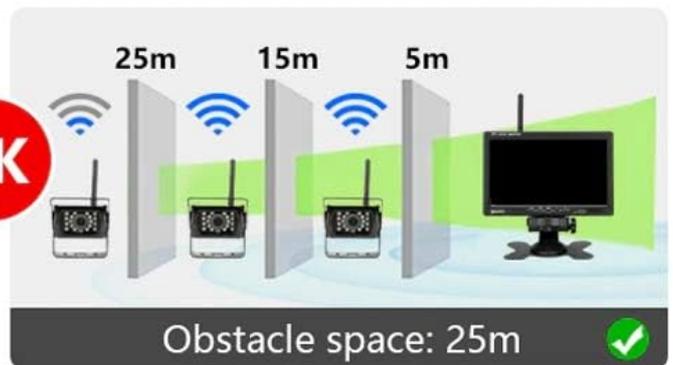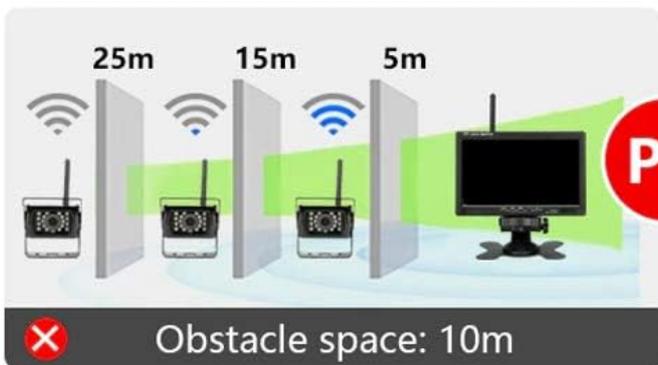
Image: A visual comparison illustrating the impact of signal strength and obstacles on wireless transmission range, showing improved performance with a stronger signal and reduced obstacles.

Image is Upside Down or Mirrored

- Access the monitor's menu settings using the remote control. Look for options related to "Mirror Image" or "Flip Image" and adjust as needed.

Remote Controller Not Working

- **Battery:** Replace the CR2 battery in the remote controller.
- **Line of Sight:** Ensure there is a clear line of sight between the remote and the monitor's IR receiver.

System Stops Working After a Short Period

- **Power Supply:** Verify the power supply to both the monitor and cameras is stable and within the specified voltage range (12V-24V DC). Fluctuations or insufficient power can cause intermittent operation.
- **Overheating:** Ensure adequate ventilation around the monitor and cameras, especially in enclosed spaces.

- **Loose Connections:** Recheck all wiring connections for security.

WARRANTY AND SUPPORT

For warranty information, technical support, or assistance with installation and troubleshooting beyond this manual, please contact EVERSECU customer service. Refer to the product packaging or the official EVERSECU website for the most current contact details.
Manufacturer: EVERSECU
For additional resources, you may visit the EVERSECU Store on Amazon.