ZEROXCLUB BD102

ZEROXCLUB BD102 10-inch Magnetic Solar Wireless Backup Camera System Instruction Manual

Model: BD102 | Brand: ZEROXCLUB

1. Product Overview

The ZEROXCLUB BD102 is a magnetic solar wireless backup camera system designed for enhanced safety and convenience in various vehicles, including RVs, campers, trucks, and trailers. This system features a 10-inch HD 1080P DVR monitor and two magnetic, solar-powered cameras with built-in 9600mAh batteries. It offers easy installation, stable digital signal transmission, and advanced features like IR night vision and DVR loop recording.

2. Package Contents

Verify that all components are present in the package:

- 10-inch IPS Monitor (with built-in 32GB memory card)
- Magnetic Solar Wireless Cameras (x2)
- U-Shaped Bracket
- Suction Cup Bracket
- Antennas (x3)
- Installation Tools
- Car Charger
- Wall Charger (x2)
- Charging Cable (x2)
- Power Cable for Monitor
- User Manual



Figure 2.1: Complete Package Contents of the BD102 System.

3. Setup and Installation

The ZEROXCLUB BD102 system is designed for convenient and easy installation without the need for complex wiring.

3.1 Camera Installation

1. **Charge Cameras:** Fully charge both cameras using the provided wall chargers or USB-C cables before first use. The solar panel extends battery life but initial charging ensures optimal performance.
2. **Attach Antennas:** Screw the antennas securely onto the cameras.
3. **Mount Cameras:** The cameras feature a strong magnetic base. Attach each camera to any metal surface on your vehicle (RV, trailer, truck, etc.) that is attracted to a magnetic field. Ensure the camera is positioned to provide the desired viewing angle. The magnetic base includes a protective rubber to prevent paint scratches.
4. **Adjust Camera Angle:** The camera's angle can be adjusted by rotating its body on the magnetic base.
5. **Power On Cameras:** Press the power button on each camera to activate it. The blue LED lights indicate the battery level and charging status.



Figure 3.1: Magnetic camera installation on a vehicle.



Figure 3.2: The camera features a solar panel for extended battery life and a strong magnetic base for easy attachment.

3.2 Monitor Installation

1. **Choose Mounting Location:** Select a suitable location on your dashboard or windshield for the 10-inch monitor.
2. **Attach Bracket:** Use either the U-shaped bracket for dashboard mounting or the suction cup bracket for windshield mounting. Secure the monitor to the chosen bracket.
3. **Power Up Monitor:** Connect the monitor's power cable to your vehicle's 12V cigarette lighter socket or a USB power source using the provided car charger. The monitor will automatically power on when the vehicle ignition is on.



Figure 3.3: Monitor can be mounted on the dashboard or windshield for optimal viewing.



Figure 3.4: Step-by-step guide for quick and easy installation of the camera and monitor.

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Video 3.1: Official product video demonstrating the 10-inch Magnetic Solar Wireless Backup Camera System (BD102).

4. Operating Instructions

4.1 Power On/Off

- **Monitor:** The monitor automatically powers on when connected to a powered 12V socket and the vehicle ignition is on. Press the power button on the monitor to manually turn it on/off.
- **Cameras:** Press the power button on each camera to turn it on. The blue LED lights indicate the battery level and charging status.

4.2 Monitor Display Modes

- **Single View:** Displays the feed from one camera. Use the "CH" button to switch between Camera 1 and Camera 2.
- **Dual View (Split Screen):** Displays feeds from both cameras simultaneously. This is ideal for monitoring multiple angles, such as the rear of an RV and a towed vehicle.



Figure 4.1: The 10-inch monitor supports split-screen display for simultaneous viewing of two cameras.

4.3 Parking Guide Lines

The monitor displays adjustable parking guide lines to assist with reversing and parking maneuvers. These lines can be adjusted for width, position (left/right), and height (up/down) via the monitor's menu settings.



Figure 4.2: Customizable parking guide lines for precise reversing.

4.4 DVR Loop Recording

The system supports DVR recording. A 32GB memory card is built into the monitor, and the system will automatically overwrite the oldest video when the memory card is full. The memory card is expandable up to 128GB.



Figure 4.3: The system supports DVR loop recording with an expandable memory card.

4.5 IR Night Vision

Each camera is equipped with 8 IR LEDs, providing superior night vision capabilities. This ensures clear visibility in low-light conditions, enhancing safety during nighttime driving or parking maneuvers.



Figure 4.4: Enhanced night vision provides clear images in dark environments.

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Video 4.1: VEKOOTO VK7 Backup Camera Kit demonstration, showing features like magnetic mounting, adjustable angle, easy installation, plug-and-play power, touchscreen interface, parking guide lines, and infrared night vision.

5. Maintenance

- **Camera Charging:** The built-in 9600mAh rechargeable battery is designed for long working times. The solar panel helps extend battery life, but regular charging via USB-C is recommended, especially during periods of low sunlight or frequent use.
- **Cleaning:** Keep camera lenses and the monitor screen clean for optimal image clarity. Use a soft, damp cloth. Avoid abrasive cleaners.
- **Waterproofing:** The cameras are IP69K waterproof, meaning they are protected against high-pressure, high-temperature jet sprays and dust. Ensure the rubber plug is properly inserted into the charging port to maintain water resistance.



Figure 5.1: The camera is IP69K waterproof, ensuring durability in various weather conditions.

6. Troubleshooting

- **No Signal/Image Freezing:**
  - Ensure cameras are powered on and fully charged.
  - Check that antennas are securely attached to both cameras and the monitor.
  - Verify that the monitor is receiving power.
  - Minimize obstructions between cameras and the monitor for optimal signal transmission. The system has a transmission distance of up to 328 feet (without obstacles).
- **Monitor Not Turning On:**
  - Confirm the power cable is securely plugged into the 12V socket.
  - Check the vehicle's 12V socket for power (e.g., by plugging in another device).
  - Ensure the vehicle's ignition is on if the socket is ignition-controlled.

- **Camera Not Charging via Solar:**
  - Ensure the solar panel is exposed to direct sunlight.
  - Clean the solar panel surface regularly to remove dirt or debris.
  - If the battery is very low, a direct USB-C charge may be needed to initiate charging.
- **Magnetic Mount Not Holding:**
  - Ensure the mounting surface is clean, dry, and made of a ferrous metal.
  - Avoid mounting on non-metallic surfaces or areas with thick paint/coatings that might weaken the magnetic hold.

7. Specifications

Feature	Detail
Monitor Size	10 Inches (IPS Screen)
Resolution	HD 1080P
Camera Type	Magnetic Solar Wireless Backup Camera (x2)
Battery Capacity	9600mAh (rechargeable)
Night Vision	8 IR LEDs
Waterproof Rating	IP69K
Signal Transmission	Digital Strong Stable Signal
Transmission Distance (unobstructed)	328 feet
Transmission Distance (on vehicle, reversing)	50 feet
Transmission Distance (on vehicle, continuous use)	36 feet
DVR Recording	Yes (32GB memory card included, expandable to 128GB)
Display Modes	Single View / Dual View (Split Screen)
Adjustable Features	Parking Guide Lines (width, left/right, up/down)
Product Dimensions	10"L x 1"W x 6"H
Item Weight	6.36 pounds
Voltage	12 Volts
Optical Sensor Technology	CMOS
Lens Type	Wide Angle
Real Angle of View	130 Degrees

8. Warranty and Support

For technical support or warranty inquiries, please refer to the contact information provided in your user manual or visit the official ZEROXCLUB website. ZEROXCLUB is committed to providing reliable products and customer service.

You can find us via user manual and customer questions & answers at anytime.

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