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Falcon Electronics B0DJC4851L

Falcon Eye 2nd Gen Wireless Backup Camera System User Manual

Model: B0DJC4851L

1. System Overview

The Falcon Eye 2nd Gen Wireless Backup Camera System provides enhanced visibility and safety for various vehicles, including trucks, RVs, and commercial fleets. This system features a stable wireless connection, a high-definition monitor, and a durable, weatherproof camera with night vision capabilities. It is designed for easy installation and can be expanded with additional cameras for comprehensive coverage.



Image: Overview of the Falcon Eye 2nd Gen Wireless Backup Camera System, showing the monitor and two cameras.



Image: Key features of the 2nd Generation Wireless Backup Camera System.

2. What's in the Box

The standard kit for the Falcon Eye 2nd Gen Wireless Backup Camera System includes the following components:

- Digital Wireless IP68 Heavy Duty Bracket CCD Camera
- Digital 7” TFT-LCD Monitor with built-in digital receiver & sun shield
- Cigarette Lighter power adapter for monitor
- 12V Additional monitor power cable for monitor (for hardwiring)
- Dash Mount Holder for LCD
- Video cable, screws, wire connectors
- User manual
- Remote Control

Optional accessories, such as additional cameras, all-in-one batteries, and magnetic mounts, may be purchased separately.



Image: All components included in the system kit.

3. Setup and Installation

The system is designed for a simple plug-and-play installation. Most users can complete the setup within 10 to 45 minutes, depending on the power source chosen.

3.1. Install the LCD Monitor

1. Choose a suitable location for the monitor inside your vehicle, ensuring it does not obstruct your view.
2. Install the monitor using the provided Windshield Suction Cup Mount or the 3M Adhesive Tape to attach the monitor's bracket to your dashboard.
3. Power the monitor by plugging the cigarette lighter adapter into your vehicle's 12V power outlet. Alternatively, you can hardwire the monitor using the 12V additional monitor power cable.

3.2. Install the Heavy Duty Camera(s)

1. Select a mounting location for the camera at the rear or front of your vehicle, ensuring a clear view.
2. If using the optional All-In-One Battery and Magnetic Mount, simply attach the camera to a metallic surface. This allows for quick relocation between vehicles.
3. For permanent installation, mount the camera using the provided screws.
4. Supply power to the camera. If using the optional battery, ensure it is charged. If hardwiring, connect the camera to a 12V power source using the camera conversion cable.

3.3. Pairing and Initial Use

1. Once both the monitor and camera(s) are powered on, they should automatically pair. If not, refer to the user manual for manual pairing instructions.
2. Adjust the system settings to your preference using the monitor's buttons or the remote control.

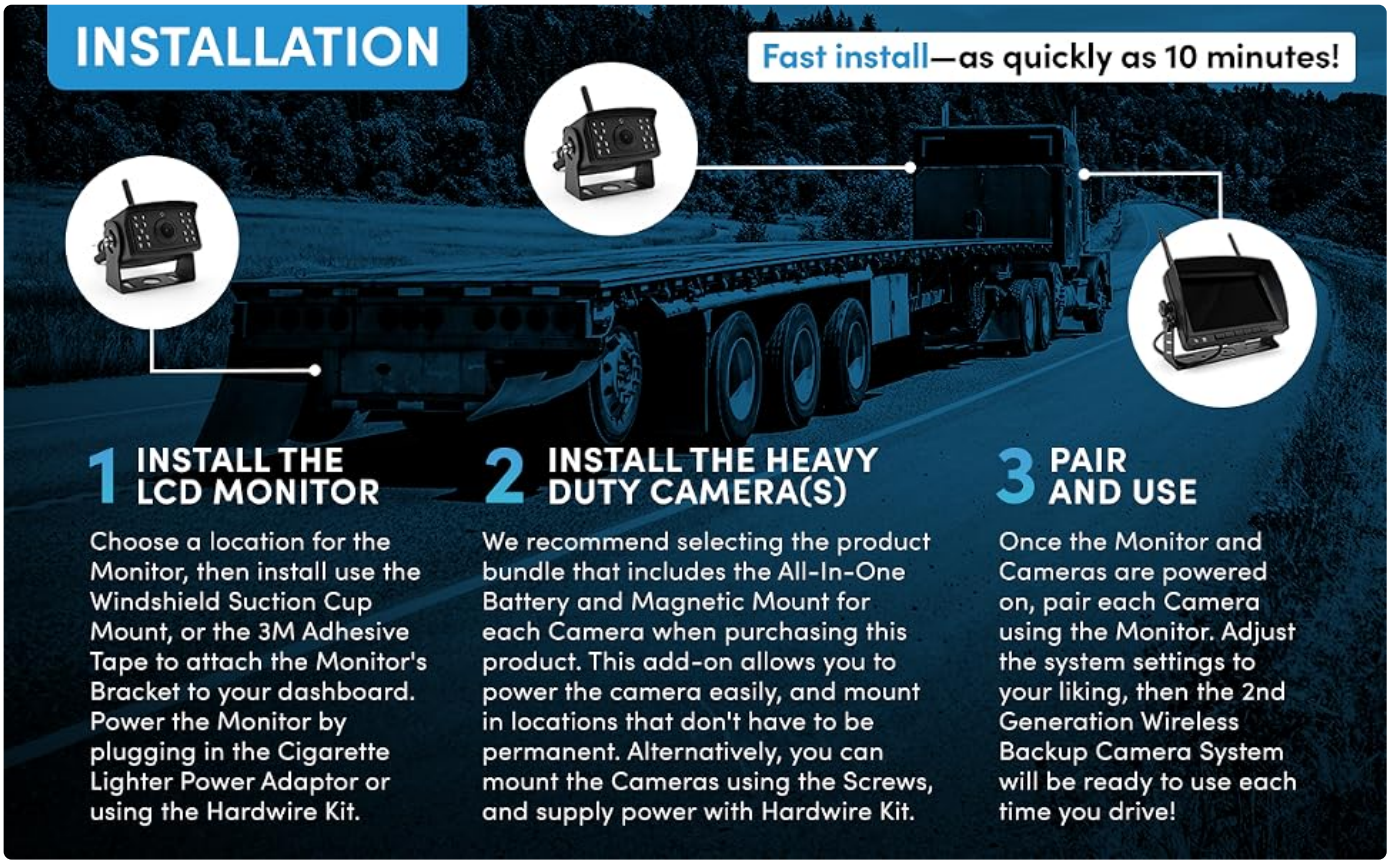

Image: Visual guide for the quick installation process.



Image: Easy installation steps for monitor and camera power connections.

4. Operating Instructions

4.1. Monitor Functions

The 7-inch LCD monitor displays the camera feed. Use the buttons on the monitor or the remote control to navigate the menu and adjust settings.

- **Power On/Off:** Press the power button to turn the monitor on or off.
- **Channel Selection:** If multiple cameras are connected, use the channel buttons to switch between camera views.
- **Split-Screen Mode:** The monitor supports viewing footage from multiple cameras simultaneously in split-screen mode. Refer to the full user manual for detailed instructions on activating and configuring split-screen.
- **Menu Access:** Press the 'Menu' button to access system settings.

4.2. Camera Features

- **Night Vision:** The camera features 20 infrared lights, providing clear visibility up to 35–40 feet in total darkness. This feature activates automatically in low-light conditions.
- **Wide-Angle View:** Each camera offers a 120-degree wide-angle view to minimize blind spots.
- **Loop Recording:** The system includes a DVR for seamless loop recording, ensuring continuous footage capture.

4.3. Adjusting Display Settings

Within the monitor's menu, you can adjust various display settings:

- **Backup Lines:** Enable or disable backup guidelines for easier parking and maneuvering.
- **Image Flip:** Adjust the image orientation (mirror/rear view or facing/front view) as needed for your camera's mounting position.
- **Brightness/Contrast:** Fine-tune the display for optimal viewing conditions.



Image: Monitor menu options for backup lines and image flip.

5. Maintenance

To ensure the longevity and optimal performance of your Falcon Eye Wireless Backup Camera System, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the camera lens and monitor screen with a soft, damp cloth. Avoid abrasive cleaners that could scratch surfaces.
- **Weather Protection:** The camera is IP68IR waterproof, designed to withstand harsh outdoor conditions. However, avoid directing high-pressure water jets directly at the camera for extended periods.
- **Cable Inspection:** Periodically check all cables and connections for wear, damage, or loose fittings. Secure any loose connections.
- **Firmware Updates:** Check the Falcon Electronics website for any available firmware updates for your system to ensure you have the latest features and bug fixes.
- **Storage:** If storing the system for an extended period, ensure it is kept in a dry, cool place.

6. Troubleshooting

If you encounter issues with your Falcon Eye Wireless Backup Camera System, refer to the following common troubleshooting steps:

6.1. No Image on Monitor

- **Check Power:** Ensure both the monitor and camera are receiving power. Verify that the cigarette lighter adapter is fully inserted or that hardwired connections are secure.
- **Check Pairing:** Confirm that the camera is properly paired with the monitor. If not, attempt to re-pair them according to the full user manual.
- **Signal Interference:** Large metallic objects or other wireless devices can interfere with the signal. Try repositioning the camera or monitor slightly, or ensure no major obstructions are between them.

6.2. Poor Image Quality or Intermittent Signal

- **Signal Strength:** While the system has a long range, extreme distances or multiple obstructions can weaken the

signal. Ensure the camera and monitor are within effective range.

- **Interference:** Other 2.4GHz wireless devices might cause interference. Try to minimize their use or distance from the camera system.
- **Camera Lens:** Clean the camera lens to remove dirt, dust, or moisture that might be obscuring the view.

6.3. Monitor Not Responding

- **Power Cycle:** Turn off the monitor, disconnect its power source, wait a few seconds, then reconnect and power it on again.
- **Remote Control:** If using the remote, ensure its battery is functional and there are no obstructions between the remote and the monitor's IR receiver.

For more detailed troubleshooting or issues not covered here, please refer to the comprehensive user manual or contact Falcon Electronics customer support.

7. Specifications

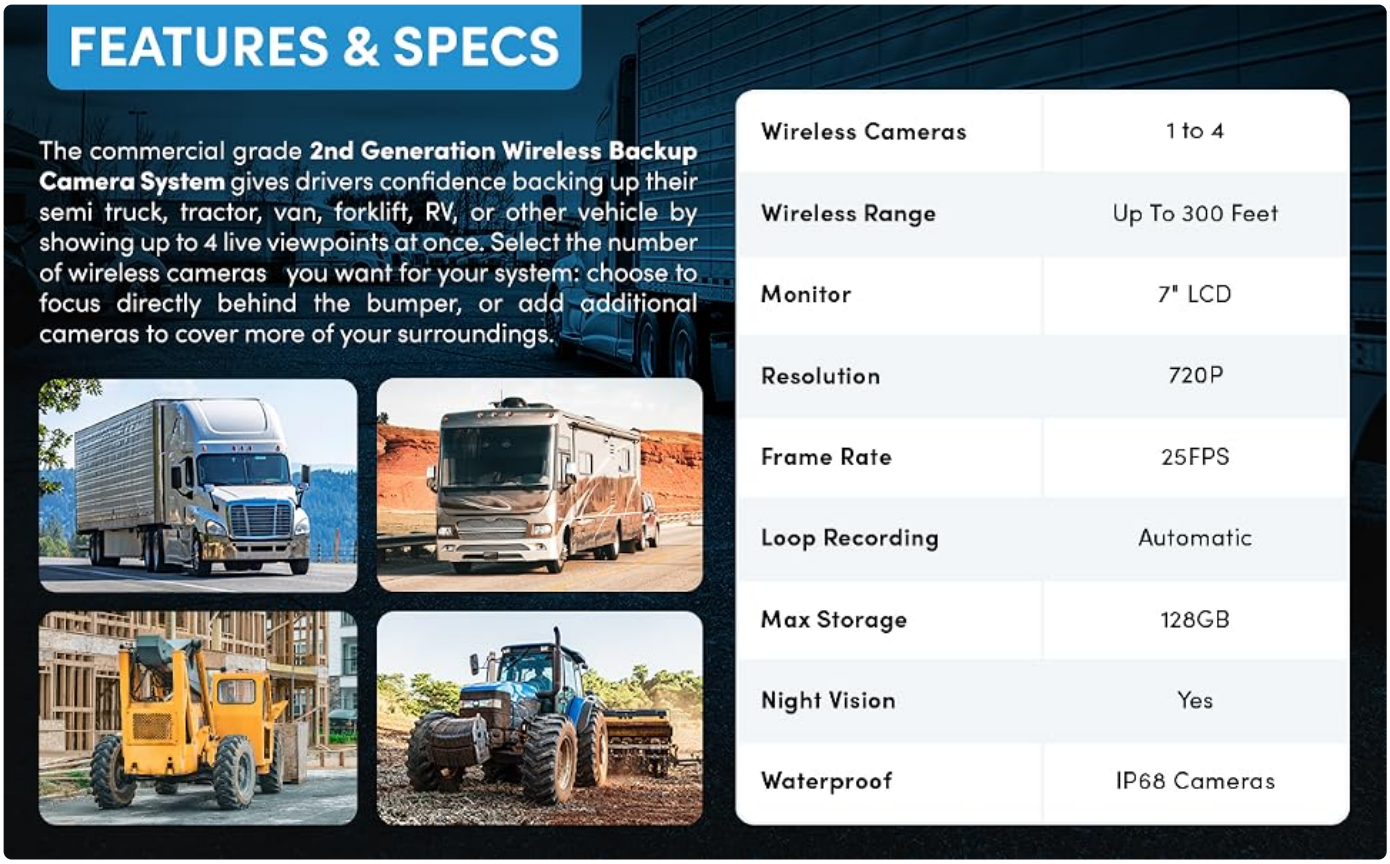

Image: Detailed features and specifications.

Feature	Specification
Brand	Falcon Electronics
Model	B0DJC4851L
Screen Size	7 inches
Product Dimensions (Monitor)	7"L x 7.5"W x 9.15"H
Compatible Devices	Trucks, equipment, and vehicles of any type

Feature	Specification
Installation Type	Surface Mount
Optical Sensor Technology	CMOS
Lens Type	Wide Angle
Real Angle of View	120 degrees
Connector Type	Wireless
Effective Still Resolution	720 pixels
Video Capture Resolution	720p
Wireless Range	200-300ft
Night Vision	Yes (up to 35-40 feet)
Waterproof Rating (Camera)	IP68IR
UPC	794000400860



Image: Monitor dimensions.



Image: Camera dimensions.

8. Warranty and Support

8.1. Warranty Information

The Falcon Eye 2nd Gen Wireless Backup Camera System comes with a**1 Year Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Falcon Electronics customer support. You can find more information and contact details by visiting the official Falcon Electronics Store:

Visit the Falcon Electronics Store

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