

Blackvue DR900X-2CH

BlackVue DR900X-2CH 4K UHD Cloud Dashcam User Manual

Model: DR900X-2CH | Brand: BlackVue

1. INTRODUCTION

The BlackVue DR900X-2CH is a high-performance 4K UHD cloud dashcam system designed to provide comprehensive vehicle surveillance. It features a front 4K UHD camera and a Full HD rear camera, built-in Wi-Fi, GPS, and advanced parking mode capabilities. This manual provides detailed instructions for installation, operation, and maintenance, ensuring you get the most out of your BlackVue dashcam.

2. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present in your package:

- BlackVue DR900X-2CH Front Camera Unit
- BlackVue Rear Camera
- Rear Camera Connection Cable (Coaxial)
- Power Cord (Cigarette Lighter Plug)
- Hardwiring Power Cable
- MicroSD Card (32GB included)
- MicroSD Card Reader
- Cable Clips (8ea)
- Pry Tool
- Spare Mounting Tape
- Quick Start Guide



Image 2.1: All components included in the BlackVue DR900X-2CH package.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components and their functions.

3.1 Front Camera Unit



Image 3.1: Front (top) and Rear (bottom) camera units.



Image 3.2: Front camera unit with its mounting bracket.

The front camera unit houses the main processor, 4K UHD lens, Wi-Fi module, GPS, and various ports for power, the rear camera, and the optional LTE module.



Image 3.3: Detailed view of the front camera's ports and microSD card slot.

- **Front Lens:** Captures 4K UHD video.
- **Wi-Fi Button:** Activates/deactivates Wi-Fi.
- **MicroSD Card Slot:** For inserting the memory card.
- **DC In:** Power input port.
- **Rear Camera Port:** Connects the rear camera via coaxial cable.
- **USB Port:** For connecting the optional CM100 LTE module.
- **Speaker:** For voice prompts.
- **LED Indicators:** Indicate recording status, GPS, Wi-Fi, and LTE connectivity.

3.2 Rear Camera Unit

The rear camera unit captures Full HD video and connects to the front unit via the provided coaxial cable.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and video quality.

4.1 MicroSD Card Insertion

1. Ensure the dashcam is powered off.
2. Open the microSD card cover on the side of the front camera unit.
3. Insert the microSD card into the slot with the gold contacts facing away from the lens until it clicks into place.
4. Close the cover securely.

4.2 Mounting the Dashcam

1. Clean the windshield area where you intend to mount the dashcam. Ensure it is free of dust and grease.
2. Attach the front camera unit to its mounting bracket.
3. Peel off the protective film from the mounting tape on the bracket.
4. Mount the front camera on the center of your windshield, ideally behind the rearview mirror, ensuring it does not obstruct your view. Press firmly for 30 seconds.
5. Mount the rear camera on the rear windshield, ensuring the lens has a clear view.



Image 4.1: Front camera installed on the windshield.

4.3 Wiring the Dashcam

There are two primary wiring options:

- **Cigarette Lighter Power Cable:** For basic operation, plug the power cable into your vehicle's cigarette lighter socket. The dashcam will power on/off with the vehicle's ignition.
- **Hardwiring Power Cable:** For advanced parking mode functionality, connect the hardwiring cable to your vehicle's fuse box. This allows the dashcam to continue recording when the vehicle is parked. Refer to your vehicle's manual for fuse box location and proper connection points (ACC, BATT+, GND). It is

recommended to have this installed by a professional if you are unsure.

1. Connect the power cable to the DC In port on the front camera unit.
2. Route the power cable along the edge of the windshield and down to the power source, using the provided cable clips and pry tool to tuck the cable neatly.
3. Connect the rear camera cable to the Rear Camera port on the front unit.
4. Route the rear camera cable to the rear of the vehicle, ensuring it does not interfere with airbags or other vehicle components.

4.4 Initial Setup with BlackVue App

1. Download the BlackVue App from your smartphone's app store (iOS/Android).
2. Power on the dashcam.
3. On your smartphone, go to Wi-Fi settings and connect to the BlackVue dashcam's Wi-Fi network (SSID: DR900X-2CH-XXXXXX, Password: blackvue).
4. Open the BlackVue App. The app will automatically connect to the dashcam.
5. Follow the on-screen prompts to set up basic settings like time zone, recording quality, and parking mode options.

5. OPERATING THE DASHCAM

Understand the various recording modes and features of your BlackVue dashcam.

5.1 Recording Modes

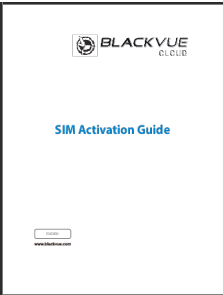
- **Normal Recording:** Continuous recording while driving. Files are saved in segments and overwritten oldest first when the microSD card is full.
- **Event Recording:** Triggered by impacts detected by the G-sensor or manual events (e.g., pressing the touch sensor on the dashcam). These files are protected from being overwritten.
- **Parking Mode Recording:** Activated when the vehicle's ignition is turned off (requires hardwiring). Records only when motion or impact is detected, conserving power and storage.

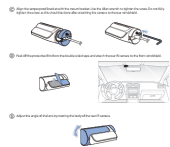


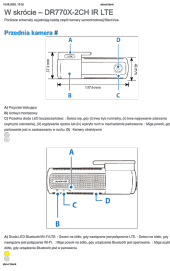

5.2 LED Indicators and Voice Prompts

The dashcam provides visual and audible cues for its status:

- **REC LED:** Indicates recording status (e.g., solid for normal, blinking for event).
- **GPS LED:** Solid when GPS signal is acquired.
- **Wi-Fi LED:** Solid when Wi-Fi is active, blinking during connection.
- **LTE LED:** (If CM100 LTE module is connected) Indicates LTE connectivity.
- **Voice Prompts:** The dashcam will announce status changes, such as

Related Documents - DR900X-2CH

	<p>BlackVue SIM Activation Guide for Cloud Connectivity</p> <p>A comprehensive guide to activating your SIM card and connecting your BlackVue dashcam to the BlackVue Cloud service. This guide covers finding connectivity details, creating an account, registering your dashcam, and the SIM activation process for enhanced features.</p>
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	<p>BlackVue DR970X Box-2CH Plus Series Installation and User Guide</p> <p>A comprehensive guide to installing and using the BlackVue DR970X Box-2CH Plus Series dashcam, including rear camera setup, GNSS module installation, connectivity module installation, power cable options, and app usage.</p>
	<p>BlackVue DR900X Plus Quick Start Guide</p> <p>Comprehensive quick start guide for the BlackVue DR900X Plus dashcam, covering installation, setup, playback, cloud connectivity, product specifications, and warranty information.</p>
	<p>BlackVue DR650S-2CH IR User Guide: Infrared Interior Camera</p> <p>User guide for the BlackVue DR650S-2CH IR dashcam, detailing its features, specifications, and installation instructions for the infrared interior camera.</p>
	<p>BlackVue DR770X-2CH IR LTE Dashcam: Component Overview</p> <p>Detailed overview of the components and features of the BlackVue DR770X-2CH IR LTE dual-channel dashcam, including front, rear, and internal camera parts, LEDs, ports, and mounting instructions.</p>
	<p>BlackVue Wi-Fi 2CH DR550GW-2CH User Manual</p> <p>User manual for the BlackVue Wi-Fi 2CH DR550GW-2CH car dashcam by PittaSoft Co., Ltd., detailing installation, operation, features, and troubleshooting for enhanced driving safety.</p>