

Model:ELITE9, ELITE10

Note:

Model Declaration: PCB board, structure and internal of these model(s) are the same,only ELITE10 has some different silk and point colors on the outer case. So no additional models were tested

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FCC Compliance Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protections against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the user's authority to operate such equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation of this device.

FCC ID: YCK-ELITE9

IC Compliance

This Class [B] digital apparatus complies with Canadian ICES-003.

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

- IC Warning
This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC: 23402-ELITE9

Radiation Exposure Statement

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

1. Getting Started

- Overview
- Key features

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1. Getting Started

- **Overview**

Smarter, Safer Driving Starts with the BlackVue ELITE 9.

Whether you're on the road or parked, drive with confidence knowing you're fully protected.

The BlackVue ELITE 9 features Front 4K UHD and Rear 2K QHD cameras equipped with Sony STARVIS 2 sensors, delivering crystal-clear video quality day or night.

With Smart Parking Mode, Event Recording, and Wi-Fi 5 Cloud Connectivity, you'll receive real-time alerts and enjoy seamless remote access whenever you need it.

For enhanced reliability and safety, the ELITE 9 is also equipped with essential protection features designed to safeguard your vehicle and data at all times.

- **Key feature**

ELITE 9 4K+2K Cloud Dashcam

- Sony STARVIS 2 with Dual HDR – Both front and rear cameras feature Dual HDR, providing sharper contrast, balanced exposure, and superior visibility in bright and dark environments.

High-Quality Lens with Precision Focusing Technology

- Front Camera – F/1.7 aperture, 146° ultra-wide field of view, 8-layer lens
- Rear Camera – F/2.0 aperture, 142° ultra-wide field of view, 7-layer lens.

Wi-Fi 5 Technology

- Reliable and fast wireless connection using Wi-Fi 5.

BlackVue App

- Available for iOS & Android, featuring Playback, Live View, Downloads, Cloud Backup, and Seamless Pairing for easy setup.
- Across the dashcam. BlackVue App and web viewer/SD card viewer software.

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Smart Event Recording

- Pre-Event Recording – Captures 10 seconds before an incident, ensuring you never miss a critical moment.
- Event File Protection – Preserves up to 50 critical event recordings, preventing them from being overwritten.

Advanced Protection System

- Battery Protection – The intelligent power management algorithm prevents battery drain with low voltage cut-off and timer cut-off features.
- Overheat Protection – Built-in temperature sensor monitors heat levels and activates high-temperature cut-off for stable performance in extreme conditions.

Smart Parking Mode

- Power Saving – Ultra-low power consumption (<1mA) extends parking surveillance for days with high heat resistance.
- Motion & Impact Detection – Detects movement and triggers recording(including 10s pre-impact) to capture relevant events.
- Time Lapse – Records one frame per second, optimizing microSD usage with 30x playback speed.

Built-in Sensors

- Built-in GPS, G-Sensor and temperature sensor for accurate tracking, safety, and stable performance.

Endless Loop Recording

- Powered by Patented Technology (US 10,922,270 B2), the Adaptive Format-Free technology optimizes SD card usage efficiently, eliminating the need for manual formatting

Compact and Sleek design

- Minimalist cylindrical design blends seamlessly into any vehicle, minimizing obstruction to the driver's view.
- Features a 360° rotatable mount, power button, configurable LED, touch sensor for manual recording, and an optional remote button for added convenience.

Support for 17 Languages

-Korean(한국어) / English(English) / Russian(Русский) / Japanese(日本語)

Simplified Chinese(中文) / German(Deutsch) / French(Français) / Thai(ไทย)

Indonesian(Bahasa Indonesia) / Vietnamese(Tiếng Việt) / Spanish(Español)

Italian(Italiano) / Dutch(Nederlands) / Polish / Norwegian / Finnish / Arabic(عربي)

Free Backup Storage Support

- Complimentary backup storage to securely backup your videos.

BackVue Cloud Services Support

- Complimentary backup storage to securely backup your videos..

Memory

- Supports up to 1TB BlackVue microSD with patented Adaptive Format-Free Recording.

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- Eliminating the need for manual formatting.

Compatible Blackvue Accessories

- CM100G-LTE Module
- CPL-2
- Tamper Proof Case
- Parking Mode Battery

Professional Counseling Team

- Need help? Our expert support team is just a call or email away!
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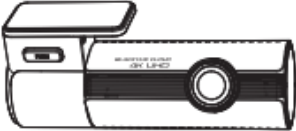
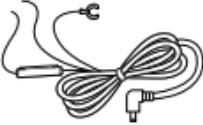
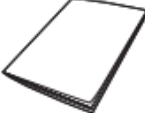
2. What's in the Box

Get to know what's included with your ELITE 9 dashcam and which accessories you can add.

- **Standard components**

Check the box for each of the following items before installing the Blackvue Dashcam.

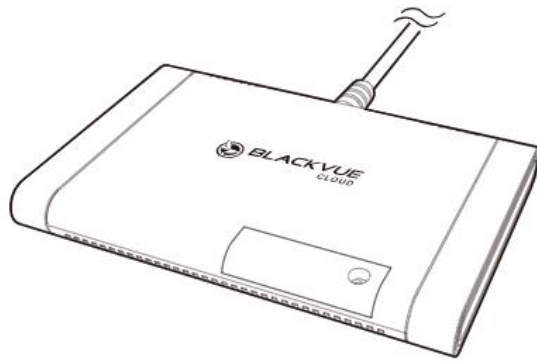
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	Front Camera		Rear Camera (2CH Only)
	Hardwiring Power cable		Dual USB-C Car Charger
	Micro SD card		USB-C Power cable
	Pry tool		Rear Camera connection cable (2CH Only)
	Cable Clips 1CH: 3ea 2CH: 5ea		Quick start guide
	Double-sided tape for the rear camera mounting brackets		Double-sided tape for the Front camera mounting brackets

- **Optional accessories (Sold separately)**

1) LTE connectivity module(CM100GLTE)

To stay connected to the BlackVue Cloud over cellular data network, you can install an external connectivity module such as BlackVue Connectivity Module (CM100GLTE).



□ **Note**

- * You must subscribe to your recommended local network carrier for LTE services.
 - * You must subscribe to BlackVue Cloud services.
 - * BlackVue Connectivity Module (CM100GLTE) may not be supported in some countries.
- Please refer to the BlackVue website for availability.

2) CPL Filter (CPL-2)

The BlackVue CPL Filter helps reduce glare, enhance colors, and improve image clarity for cleaner, sharper video. It's especially effective in bright conditions, making it a highly recommended accessory.



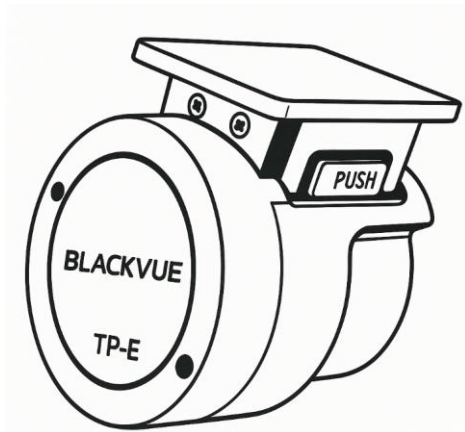
□ **Note**

- * Mount the CPL filter at the optimal position for the clearest image, and install it as instructed in the user manual.
- * In low-light conditions such as nighttime or tunnels, the video may appear darker. Remove the filter if necessary.
- * Clean the filter regularly to prevent dust or smudges.
- * Ensure the filter is securely fixed to prevent it from shifting due to vehicle vibration.
- * The CPL filter's effectiveness may vary depending on the type of windshield, such as tinted or specialized glass.
- * For more detailed information about the products, please refer to the link below.

[Blackvue CPL Filter\(CPL-2\)](#)

3)Tamper Proof Case (TP-E)

The BlackVue Tamper-Proof Case TP-E physically secures the dashcam to prevent unauthorized removal, SD card access, or angle adjustment, ideal for fleet and high-security vehicle use.



□ **Note**

- * Confirm the camera angle before locking the case, as it cannot be adjusted afterward without removal.
- * Always tighten the lock (hex screw or key lock) fully to ensure effective tamper prevention.
- * Never try to open or adjust the case without the proper tool; it can damage the device.
- * Store the hex wrench or key securely, as losing it may make accessing the camera or SD card difficult.
- * The tamper proof case TP-E is compatible with ELITE 9 only.
- * For more detailed information about the products, please refer to the link below.

[ELITE 9 Tamper Proof TP-E Manual](#)

4) Parking mode battery (Power Magic Battery B-112,Ultra battery B-130A)

Parking Mode is supported when using a hardwiring power cable or a dedicated

parking mode battery (e.g., Power Ultra Battery or Power Magic Battery Pack).

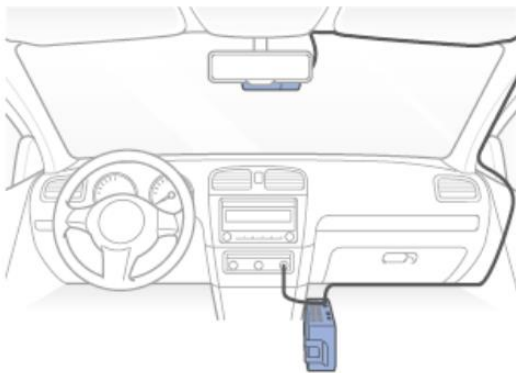
If you want to record video while the engine is off without using the vehicle's battery,

Please install a parking mode battery.

- **Power Magic Battery B-112**

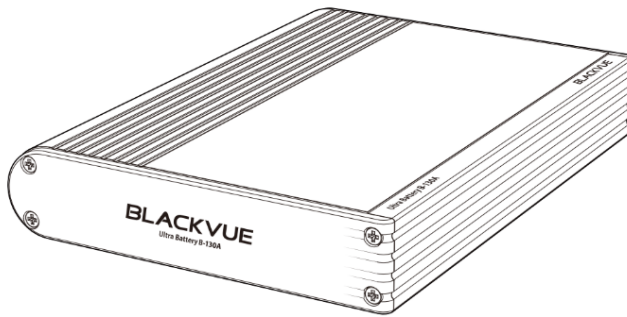
The Power Magic Battery pack B-112 powers a single dashcam for up to 12 hours after 1 hour of rapid charging. When the engine is off the battery pack powers the dashcam.

When the engine is on the dashcam is powered directly from the vehicle's battery and the battery pack charges.



- **Ultra Battery B-130A**

The Ultra battery is a high-capacity battery that powers your dashcam in Parking Mode while protecting your vehicle's battery. It charges quickly, lasts up to 30 hours, and offers safe, stable performance with LiFePO4 cells. Easy to install and compatible with the BlackVue App and Cloud, it's a smart and reliable power solution for vehicles.



□ Note

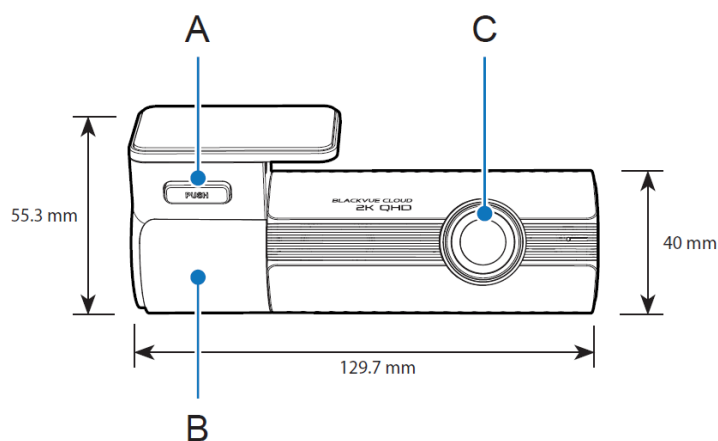
- * Double your capacity with the optional Expansion battery.
- * Ultra Battery recharges with ignition on and powers your dashcam when ignition is off.
- * For more detailed information , Please check Blackvue homepage(www.blackvue.com).
- * For more detailed information about the products, please refer to the link below.

[BlackVue Ultra Battery B-130A](#)

3. Product Overview

- Product Layout

Front camera (Front side)

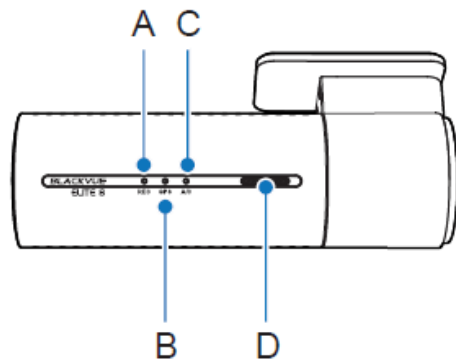


A) PUSH Button

B) Mount Bracket

C) Camera Lens

Front camera (Rear side)



A) Recording LED

●: Lights red is Boot up and Recording mode.

Recording mode like below:

-Normal Recording / Manual Recording / Event Recording / Time-Lapse in Parking / Motion in Parking.

B) GPS LED

●: Lights Blue when GPS on.

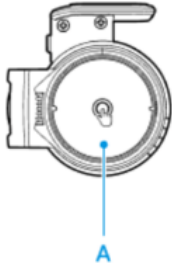
C) APP/CLOUD

●: Lights yellow when BT and Wi-Fi paired.

● : Lights white when Cloud connects.

●●● : Blinks red / blue / white quickly when Reset SD card / Micro SD card and error
/ Firmware Upgrade.

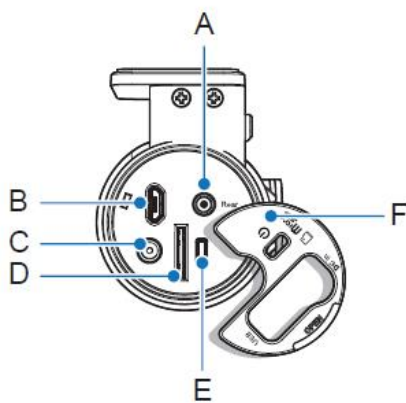
D) Speaker



A) Touch Sensor

Press the sensor to trigger a manual recording.

-Touch sensor can be turned on/off in the firmware setting



A) Rear camera connection port

B) Micro USB Port

C) DC in (Power connector)

D) micro SD card slot

E) Power Button

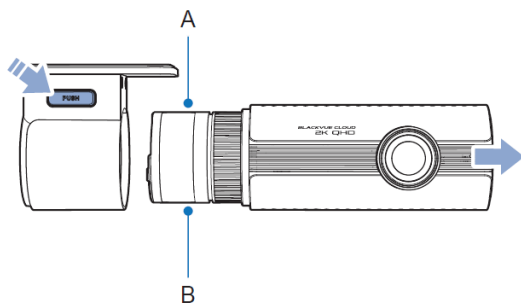
-Press and hold for 3 seconds to Power off the camera

-Press the button again to power it on

Note: The camera cannot be powered on while the vehicle's ACC is off.

F) Cover

PUSH button



1) To remove the dashcam from its bracket , press the PUSH button and pull the dashcam out of the mounting.

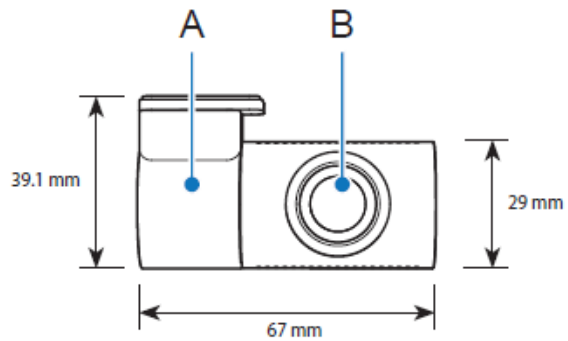
2) To insert the dashcam into its bracket , push the dashcam into the mounting bracket until click in.

Font camera Label information

A) Connectivity details label:Default Wi-Fi SSID / Default Wi-Fi password / Product Serial Number

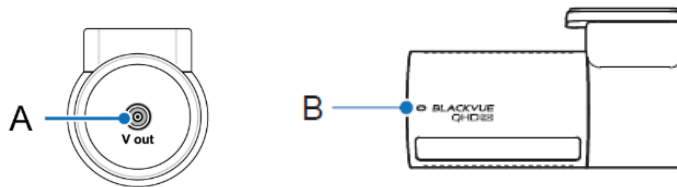
B) Certification label: CE / FCC / ROHS / WEEE / HVIN / IC

Rear camera (ELITE 9-2CH Only)



A) Mounting bracket

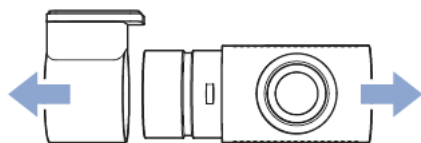
B) Camera lens



A) V out(Front camera connection port)

B) Rear security LED

Removing and inserting the bracket for Rear Camera (ELITE 9-2CH Only)



1) To remove the rear camera from its bracket, hold the mounting bracket and pull the rear camera out.

2) To insert the rear camera into its bracket, push the rear camera into the mounting bracket until it "clicks" in.

Rear camera Label information

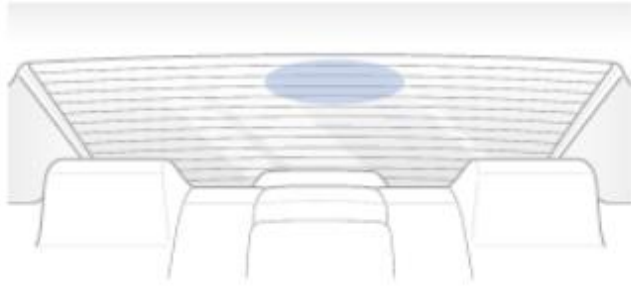
A) Certification label: CE / FCC / ROHS / WEEE

4. Installation

□ BlackVue Dashcam Installation Guide

□ Before You Begin

- **Choose installation locations carefully:**
 - **Front camera:** Behind the rearview mirror.
 - **Rear camera:** At the top center of the rear windshield.
- **Clean the windshield:** Remove any dust, oil, or moisture before sticking the cameras.
- **Peel off the protective film** from both front and rear cameras to prevent overheating.
- **Do not install** the cameras where they might block the driver's view.

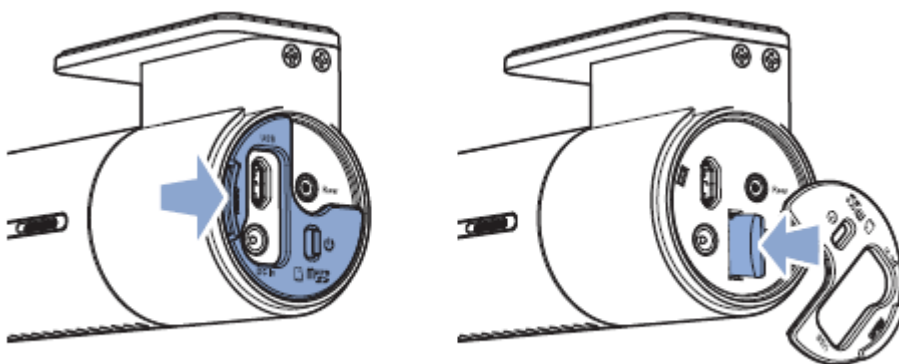


**Note for ELITE 9-1CH users: The rear camera is optional.*

□ Step-by-Step Installation

Step1. Insert the microSD Card

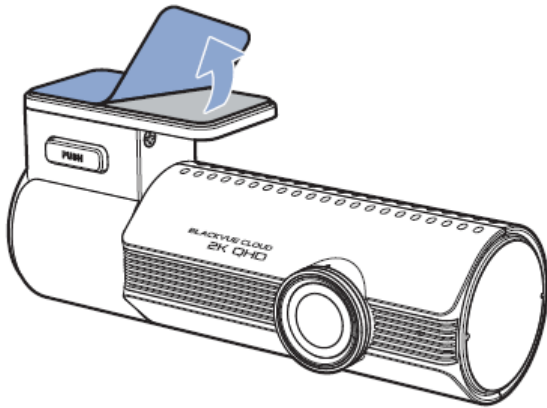
- Turn off the vehicle engine.
- Open the microSD card slot cover on the front camera.
- Gently insert the card until it clicks into place and close the cover.



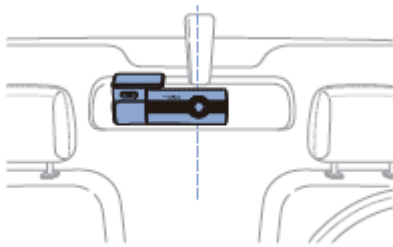
Step2. Mount the Front Camera

-

- Remove the double-sided tape.

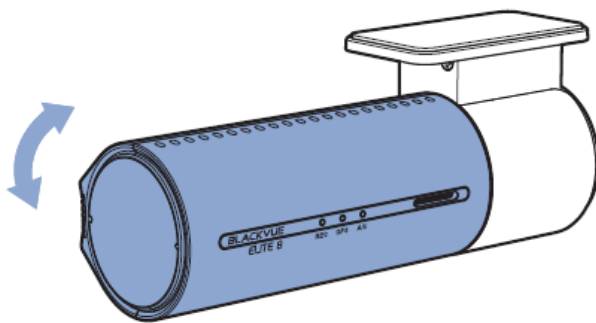


- Attach the front camera to the windshield, behind the rearview mirror.



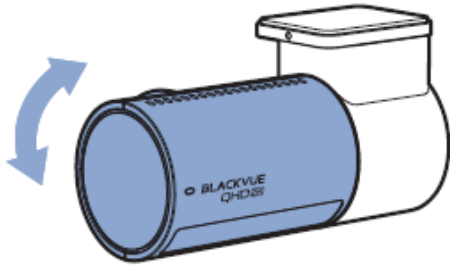
- Adjust the lens angle by rotating the camera body.

□**Tips:** Tilt the lens slightly downward ($\sim 10^\circ$) for a 6:4 road-to-sky ratio.



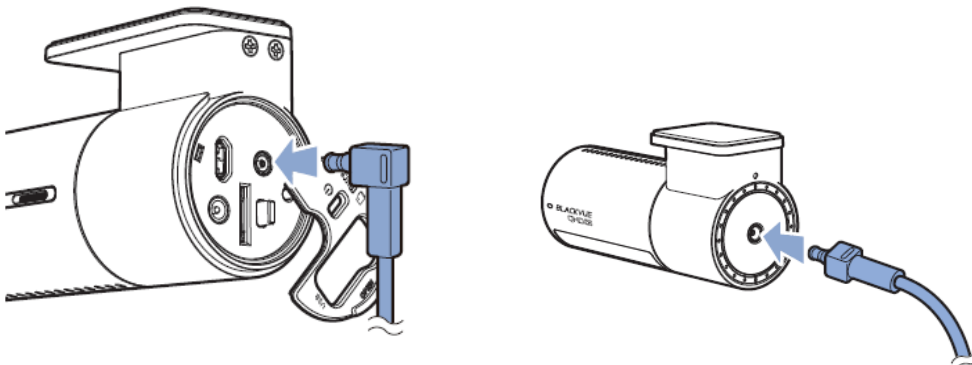
Step3. Mount the Rear Camera (if applicable)

- Peel off the tape film and stick the rear camera to the rear windshield.
- Rotate the camera body to adjust the viewing angle.



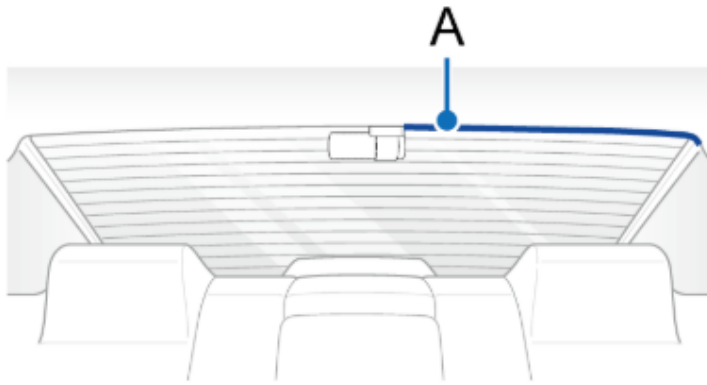
Step4. Connect the Front and Rear Cameras

- Use the provided rear camera cable:
 - Plug one end into the **'Rear'** port of the front camera.
 - Plug the other into the **'V out'** port of the rear camera.



Step5. Hide the Rear Camera Cable

- Use the pry tool to gently lift window moldings or rubber seals.
- Tuck the cable neatly along the edges for a clean look.



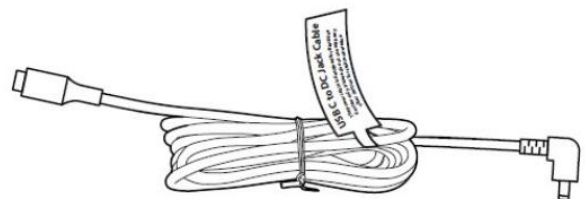
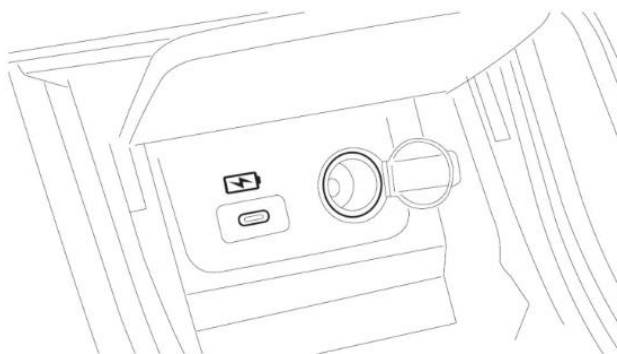
A): Rear camera cable

❑ Powering Your Dashcam

You can power your BlackVue dashcam in three main ways. Choose the option that matches your vehicle's compatibility.

Option A. Using the USB-C PD 3.0 Power Cable

Use this method if your vehicle has a **Type-C port that supports PD 3.0** (Power Delivery 3.0).

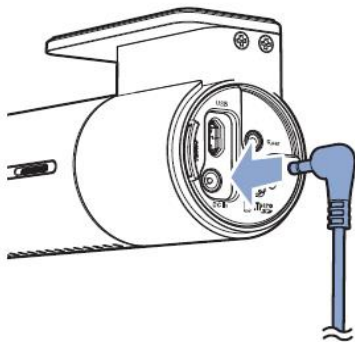
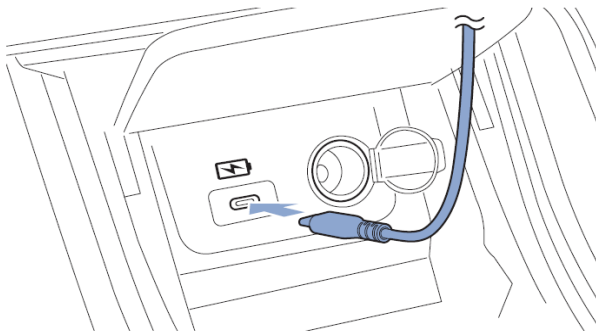


1) Locate the Type-C Port in Your Vehicle

- Usually located near the **passenger seat** (varies by vehicle).
- Look for a **lightning bolt symbol** to confirm PD 3.0 support.

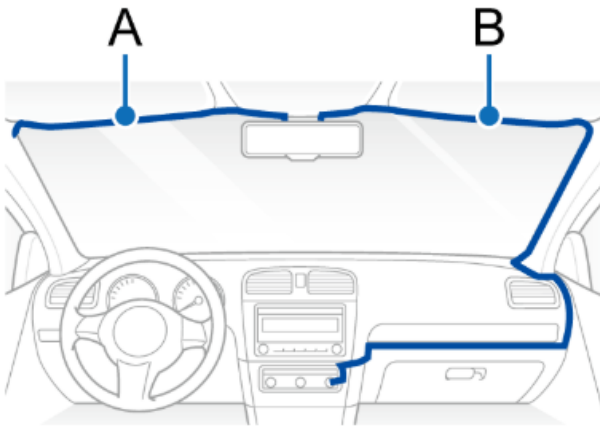
2) Connect the Cable to the Dashcam

- Plug the **USB-C PD 3.0 Power Cable** into the **vehicle's Type-C port**, and the other end into the **front camera's DC-in port**.



3) Hide the Cable

- Use the **pry tool** to lift rubber seals and tuck in the cable neatly along window trim.



A) Rear camera cable / B) USB-C PD 3.0 Power Cable

4) Start the Engine

- The dashcam will **automatically power on and start recording**.

⚠ Caution

Parking Mode is **not supported** with USB-C power.

For full features, use a hardwiring kit or battery pack.

Option B. Using the Dual USB-C Car Charger (Type-C Adapter)

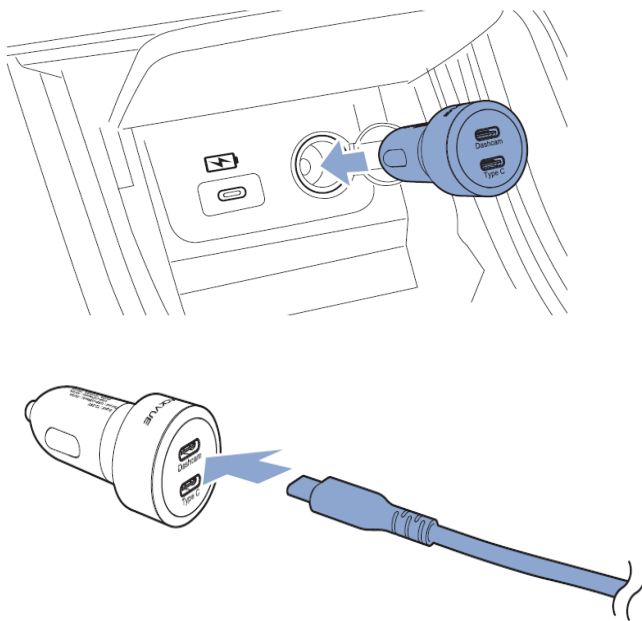
Use this method if:

-

- Your vehicle **doesn't have** a Type-C port, or
- The Type-C port **doesn't support PD 3.0**.

1) Plug the Dual USB-C Car Charger into the 12V Outlet

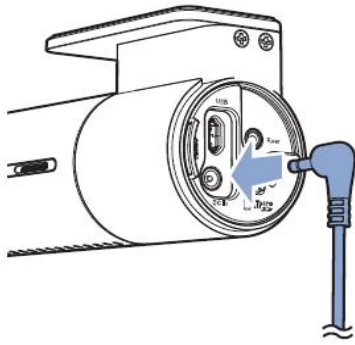
- Insert the **Dual USB-C car charger** into your vehicle's **cigarette lighter socket**.
- Connect the **USB-C power cable** to the USB-C port labeled "**Dashcam**" on the adapter.



2) Connect the USB-C PD 3.0 Power Cable

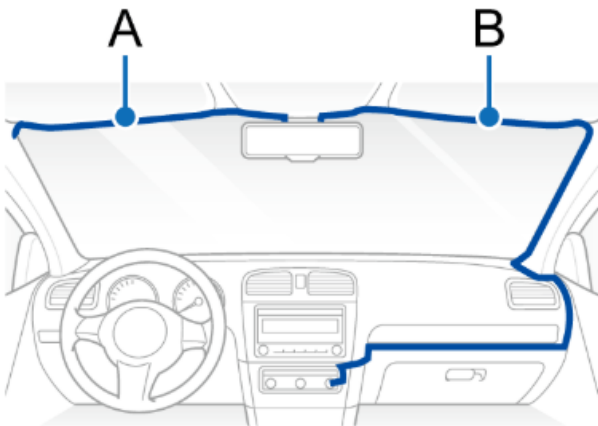
- Connect the cable from the adapter to the **front camera's DC-in port**.

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3) Hide the Cable

- Use the **pry tool** to lift rubber seals and tuck in the cable neatly along window trim.



A) Rear camera cable / B) USB-C PD 3.0 Power Cable

4) Start the Engine

- The camera will power on and begin recording automatically.

⚠Caution

This method also does **not support Parking Mode**.

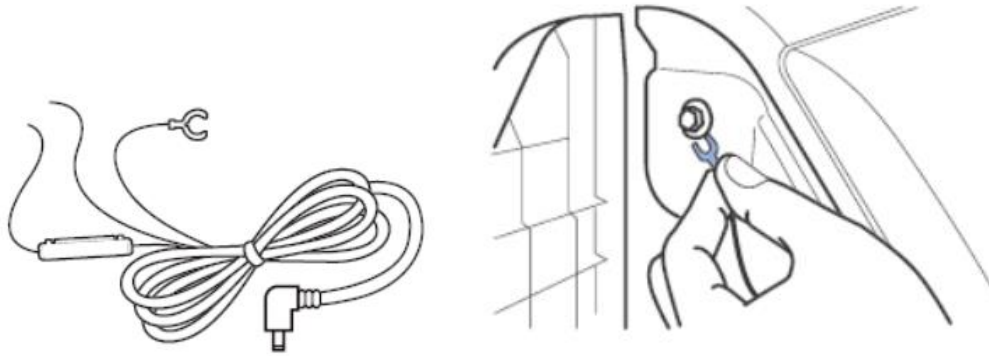
To record in parking mode while the engine is off, please connect the Hardwiring **Power Cable (Sold separately)** or install a **Power Magic Battery Pack (sold separately)**.

Option C: Using the Hardwiring Power Cable

- 1) Locate your vehicle's fuse box (check your car manual if unsure).
- 2) Remove the fuse box cover and identify:
- 3) A fuse that powers **on with the engine** (e.g. audio, cigarette lighter) – connect **ACC+** here.
- 4) A fuse that's **always powered** (e.g. hazard lights, dome light) – connect **BATT+** here.

⚠**Tips:** For parking mode and battery protection, connect **BATT+** to the hazard light fuse.

- 5) Connect the **GND (ground)** wire to a metal bolt on the vehicle frame.
- 6) Plug the power cable into the front camera's **DC in** port. The dashcam will power on and start recording.



Option D: Using the Battery (B-130A)

This installation method involves using a dedicated external battery, the **Power Magic Ultra Battery (B-130A)**, to power the dashcam. It is an effective option that provides stable power to the dashcam without burdening the vehicle's main battery.

❑ Recommended For

- **Users who need extended dashcam recording while parked**
- **Users who want to prevent battery discharge of the vehicle**
- **Users looking for a more reliable power source**

❑ Installation Overview

The B-130A can be charged via the vehicle's cigarette lighter socket or fuse box, and once fully charged, it supplies power independently to the dashcam.

❑ For detailed installation steps and precautions, please visit the following link:

<https://manual.blackvue.com/docs/power-magic-ultra-battery-b-130a/installation/installation-b-130a/>

□Tips

The first time the dashcam runs, firmware is automatically saved to the microSD card. Customize settings after that.

5. Playing and Managing Videos

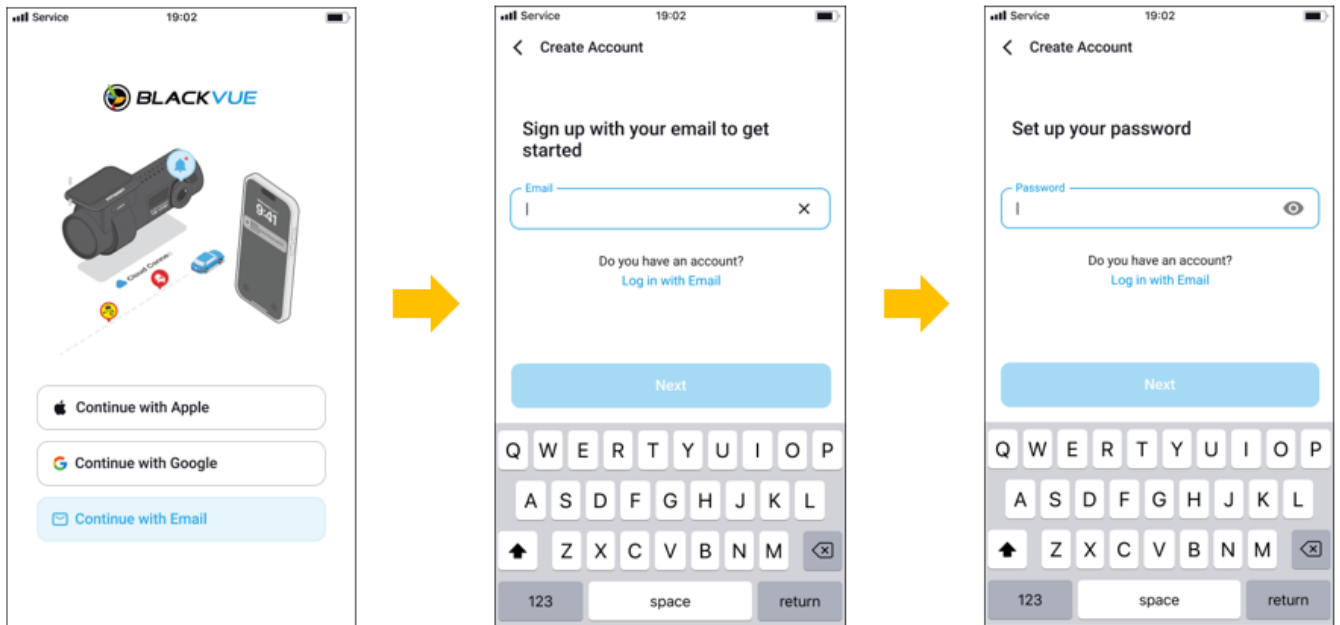
□ Using the BlackVue App

□ Register BlackVue Account

1) Download the App

Search for "BlackVue" on the Google Play Store or Apple App Store and install the app on your smartphone.

2) Create an Account



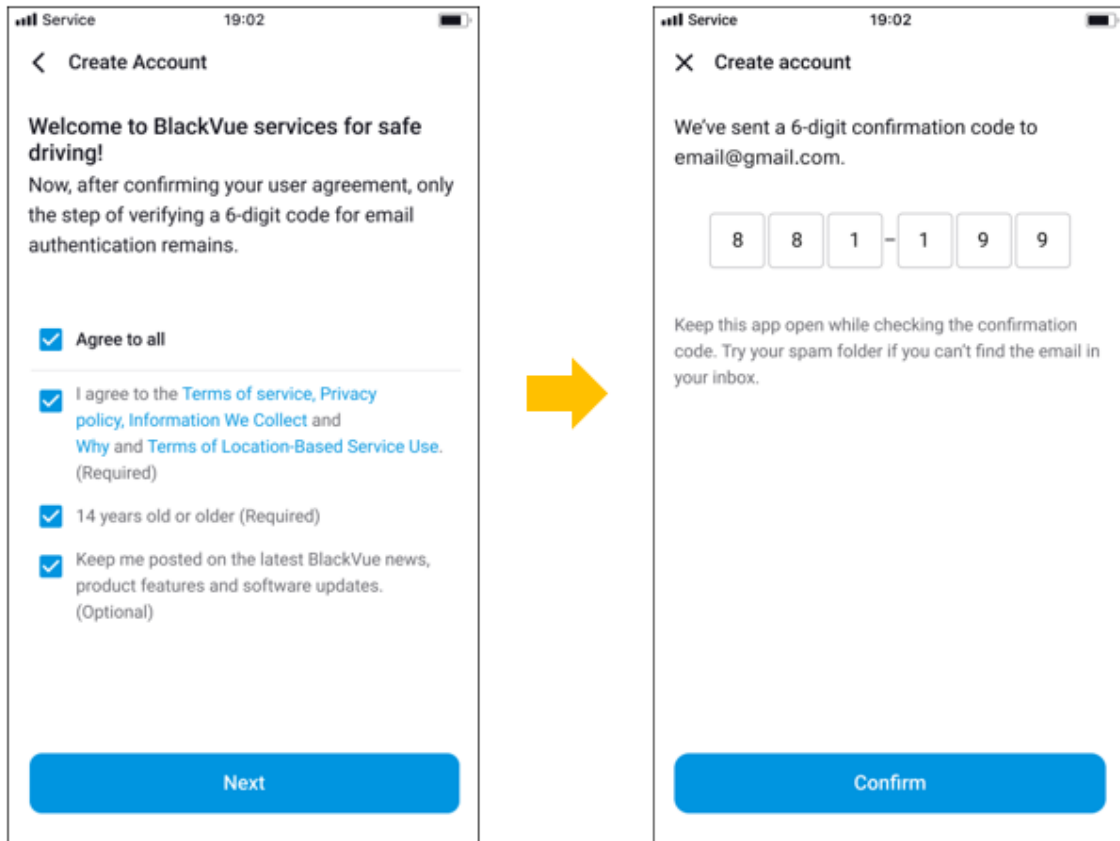
- Open the app. On the welcome screen, choose a sign-up method:
 - Continue with Apple
 - Continue with Google
 - Continue with Email
- If you choose Continue with Email:

① Enter your email address

Type in your email address and tap **Next**.

② Create a Password

Set a secure password for your account and tap **Next**.



③ Agree to Terms

- Accept the Terms of Service and Privacy Policy
- Confirm that you are 14 years of age or older
- (Optional) Subscribe to product news and updates
Tap Next to continue.

④ Verify your Email

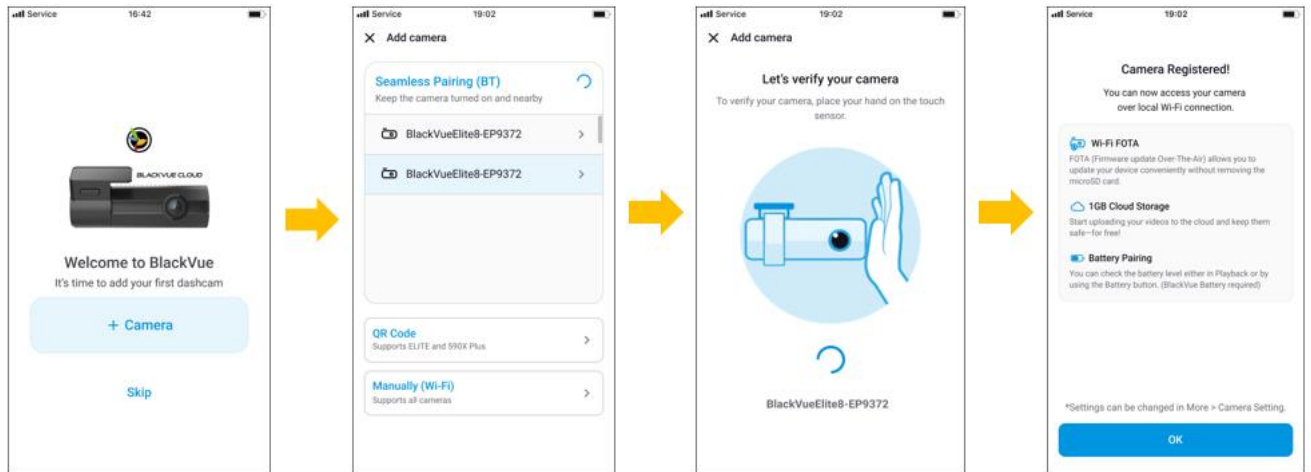
- A 6-digit confirmation code will be sent to your email.
- Enter the code and tap **Confirm** to complete your registration.

□Add BlackVue Dashcam to Camera List

You can add your camera using one of the following methods:

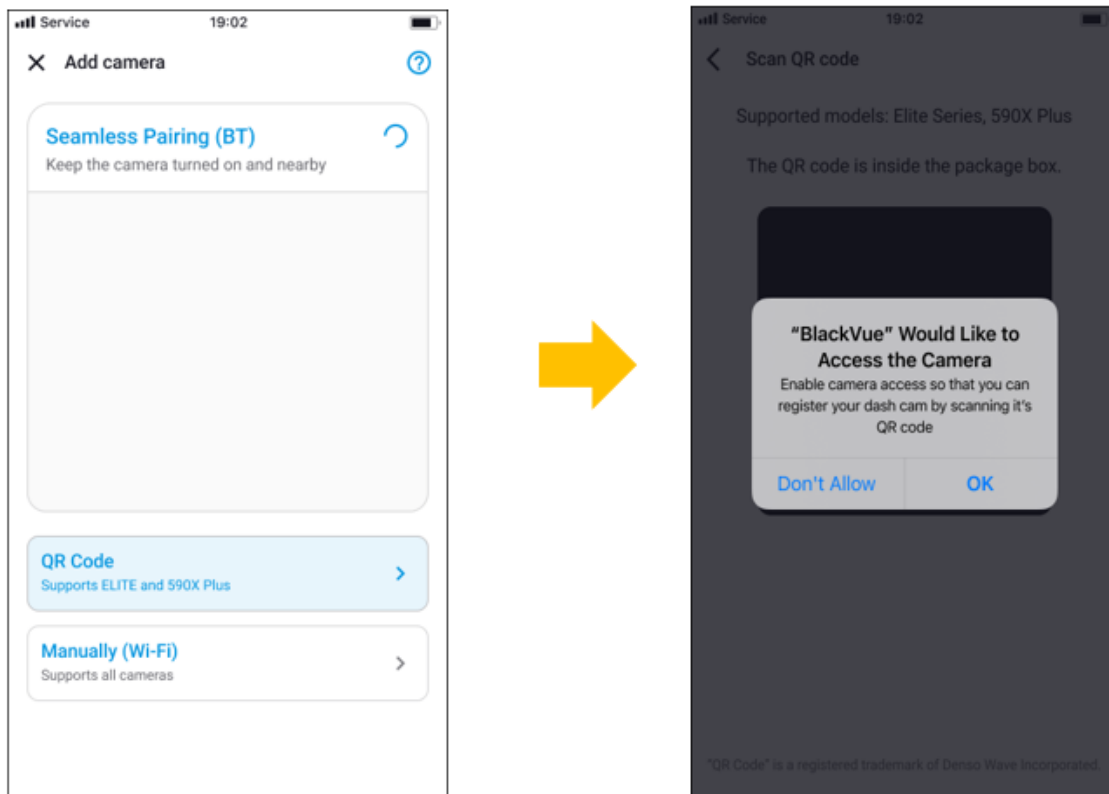
1) Seamless Pairing (BT)

- Getting Started: Select the "+" icon or tap **"Add Camera"** to begin the setup.
- For seamless pairing, ensure your smartphone's Bluetooth is enabled.
- Make sure the dashcam is powered on and nearby.
- Tap **Seamless Pairing (BT)** and select your camera.
- Follow the on-screen instructions to verify your dashcam by placing your hand on the touch sensor.
- Once verified, the camera is registered automatically.
- Configure options like Wi-Fi/FTA, Cloud Storage, and Battery Pairing.

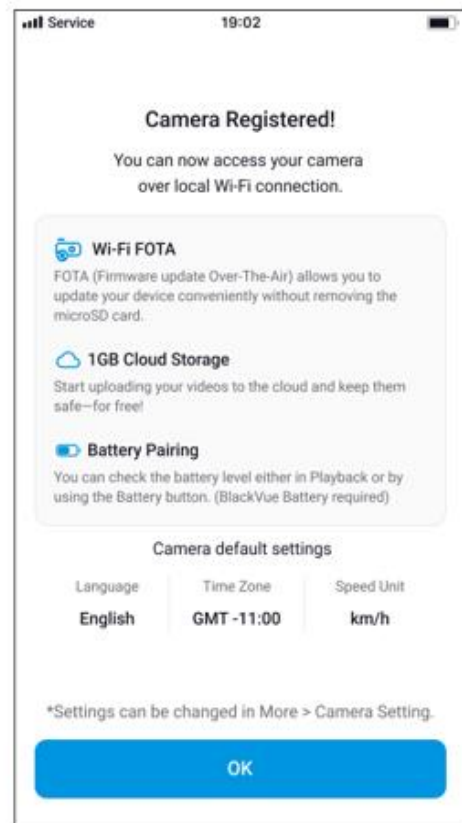


2) Add with QR Code

- Tap **Add with QR Code**.
- Allow camera access if prompted.

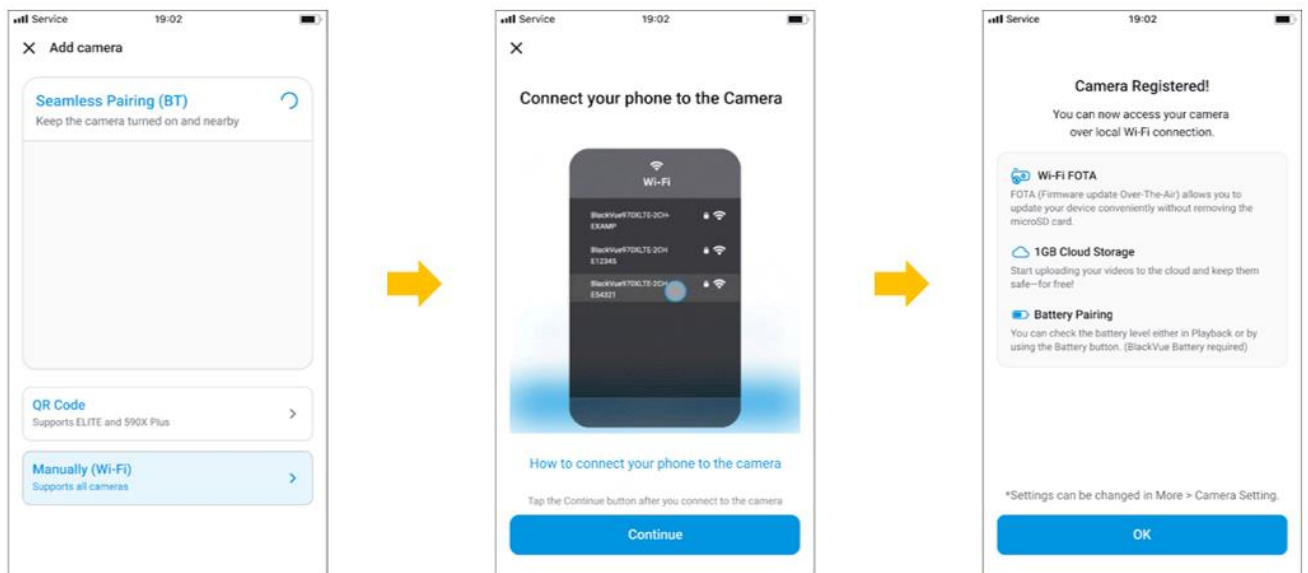


- Scan the QR code located on its packaging.
- Once the QR code is recognized, your dashcam will be registered automatically.
- On the Camera Registered screen, configure the following options as needed:
 - Wi-Fi/FTA: Enable wireless features.
 - Cloud Storage: Automatically upload footage to the cloud.
 - Battery Pairing: Link with a compatible BlackVue Battery (if applicable).
- Tap **OK** to finish the setup.



3) Manually (Wi-Fi)

- Tap Manually (Wi-Fi).
- Enter your dashcam's Wi-Fi SSID and password.
- Connect your smartphone to the dashcam's Wi-Fi.
- Your camera will then be added to the app.

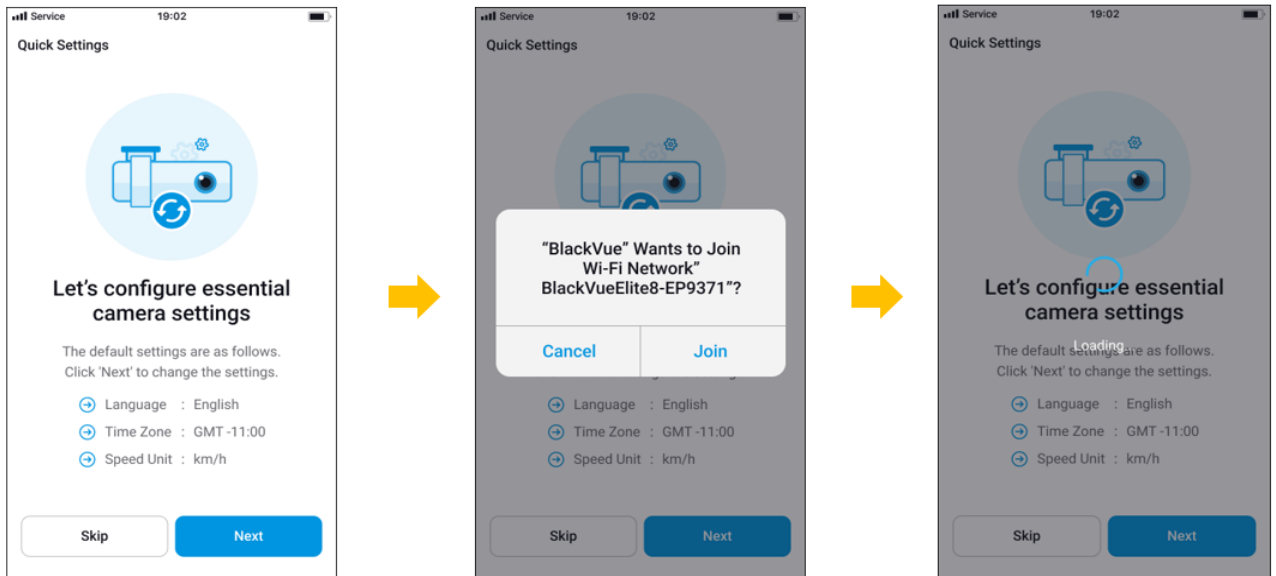


☐ Quick Settings (Optional)

After adding your dashcam, the app will guide you through essential initial setup options. Follow the steps below:

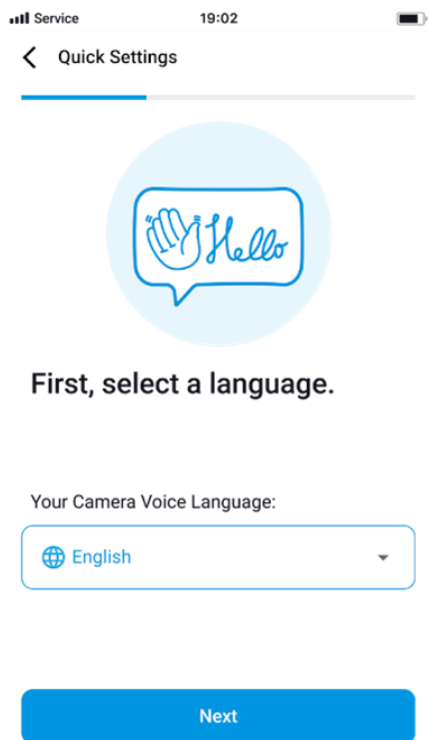
1) Start Quick Settings

- Tap **Next** to begin setup, or **Skip** to use the default settings.
- A prompt will appear to join the dashcam's **Wi-Fi network**. Tap **Join** to continue.



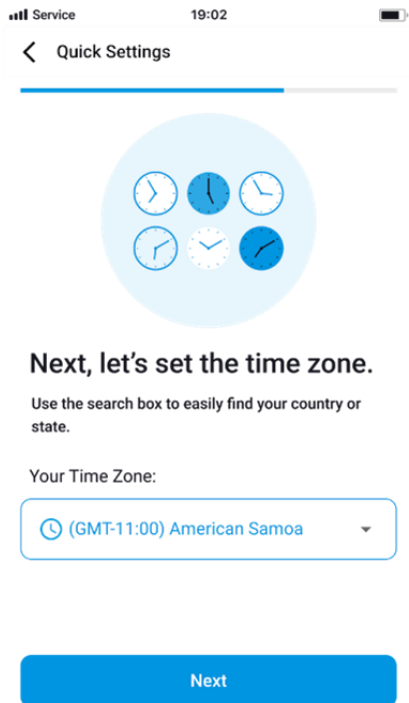
2) Set Language

- Choose your preferred **voice guidance language** (e.g., English, Korean, etc.).
- Tap **Next** to proceed.



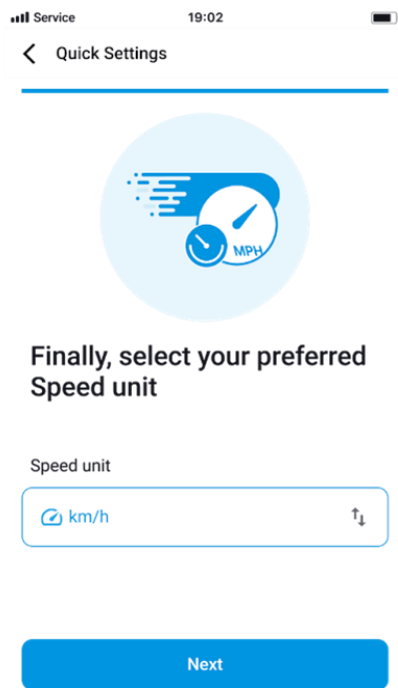
3) Set Time Zone

- Select the appropriate **time zone** for your location.
- Use the search bar for quicker selection.
- Tap **Next**.



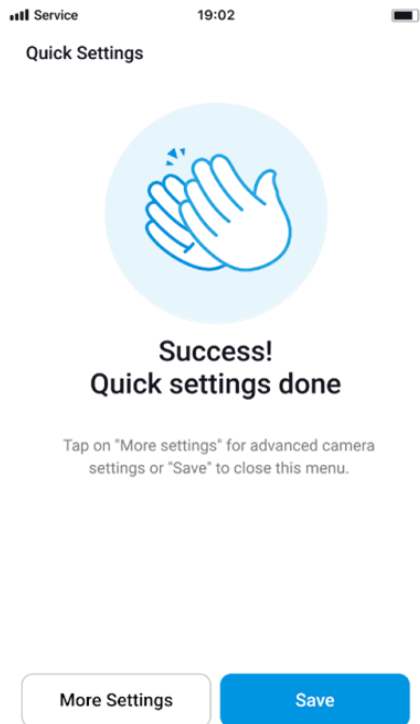
4) Set Speed Unit

- Choose your preferred **speed unit**:
 - **km/h** (default)
 - **mph**
- Tap **Next**.



5) Finish Setup

- A confirmation screen will appear: **"Success! Quick settings done"**.
- You can tap **Save** to complete setup, or **More Settings** to continue with advanced configurations.

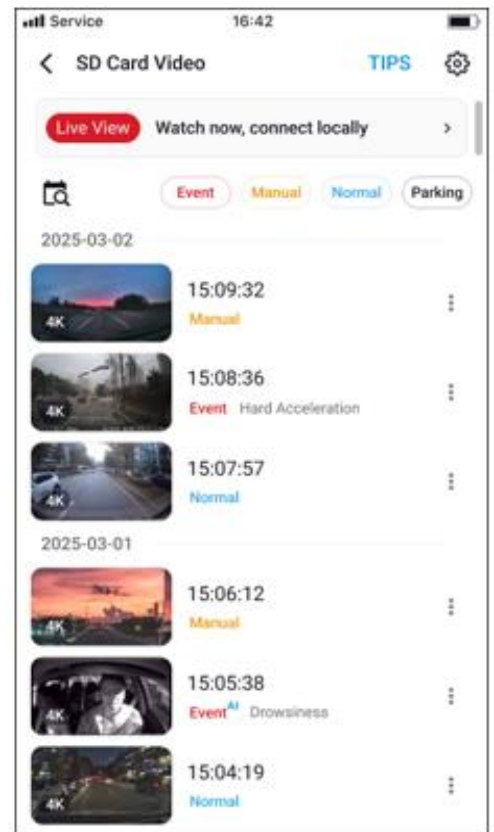
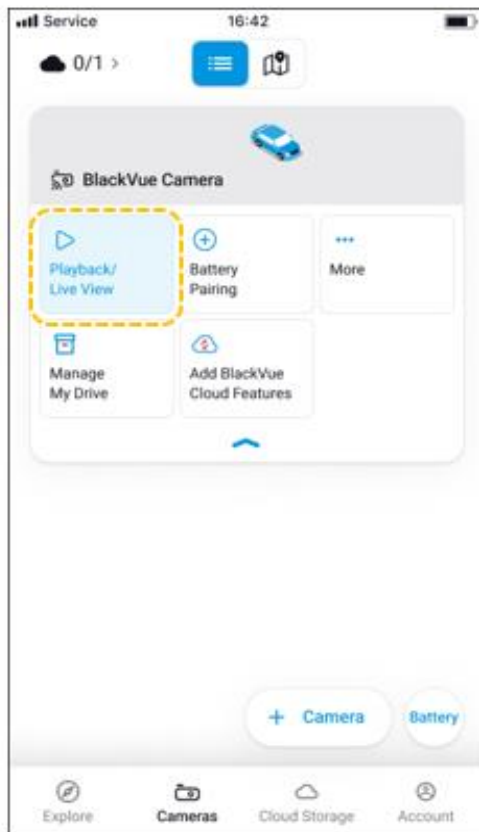


▣ **Tips:** You can always revisit or change these settings later from the **Camera Settings** menu.

▶ ▣ **Playing Video**

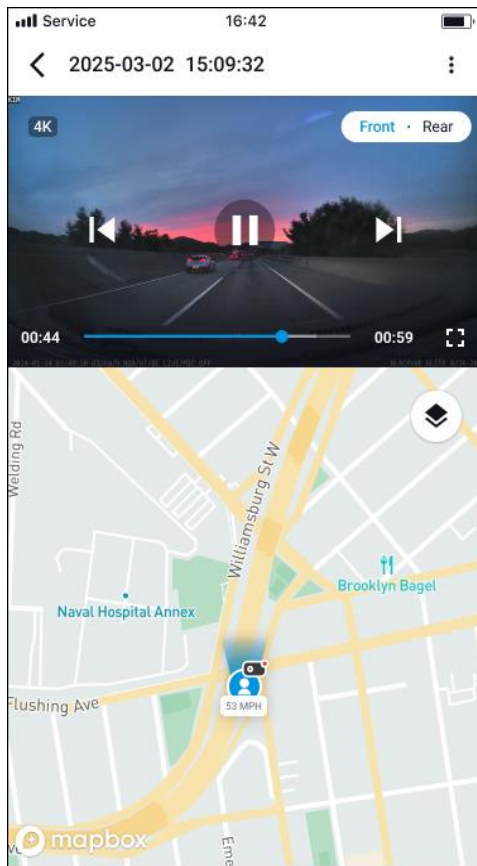
▣ **Accessing Recorded Videos**

- 1) Open the **BlackVue app** on your smartphone.
- 2) On the **Cameras** tab, tap your dashcam model from the list.
- 3) Select **"Playback / Live View"** to open the SD Card Video screen.

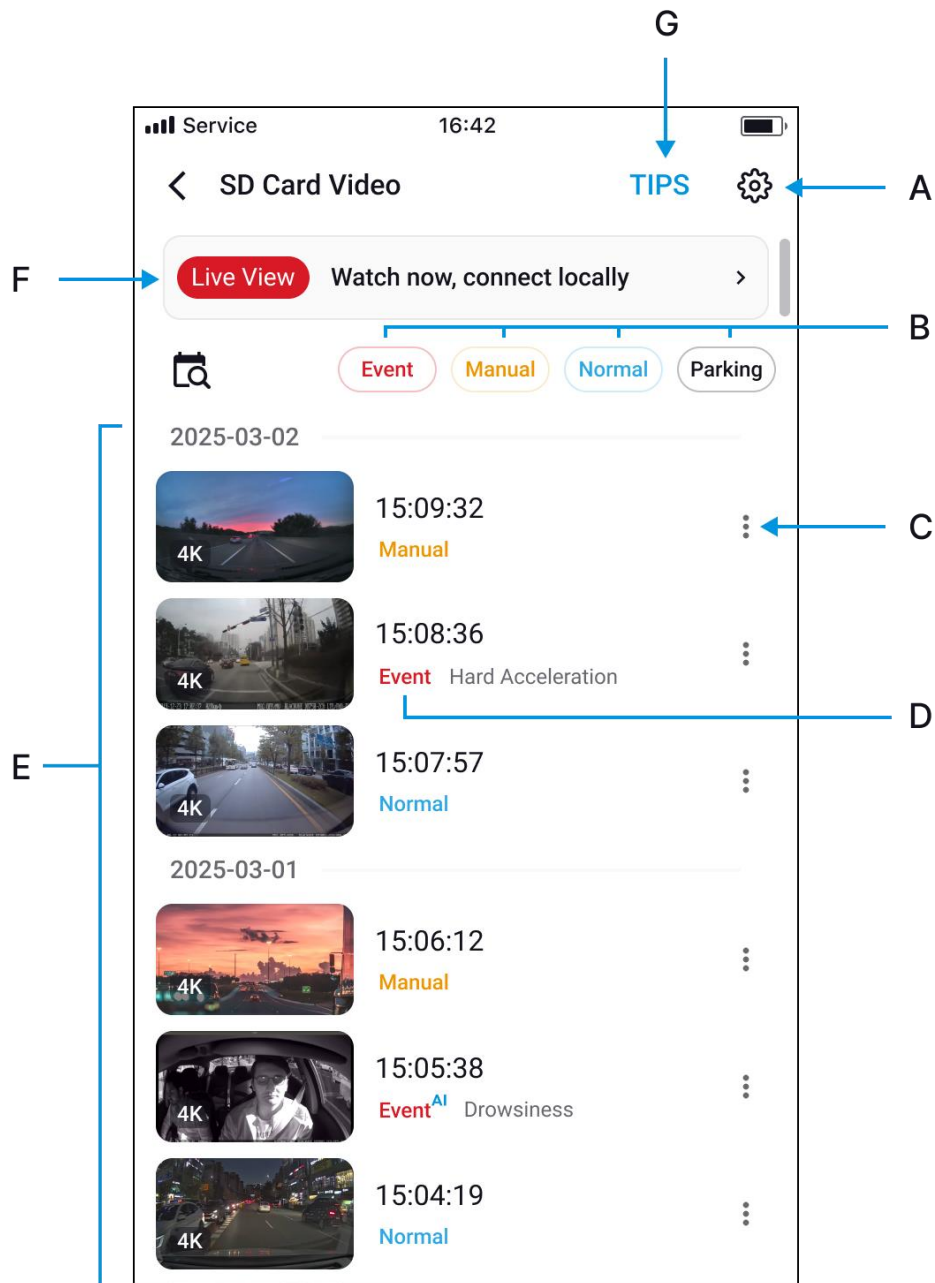


□ Playing a Video in the playback

- 1) Scroll through the list to find the video you want to view.
- 2) Tap on a video thumbnail to start playback.
- 3) While playing, the **date**, **time**, **recording type**, and **speed** (if GPS is enabled) will be displayed on screen.



□SD Card Video Layout



A) Camera Settings

B) File type filter

C) Video file menu

-

D) File type

E) Video list

F) Live View

G) TIPS

□ Identify video files by recording type

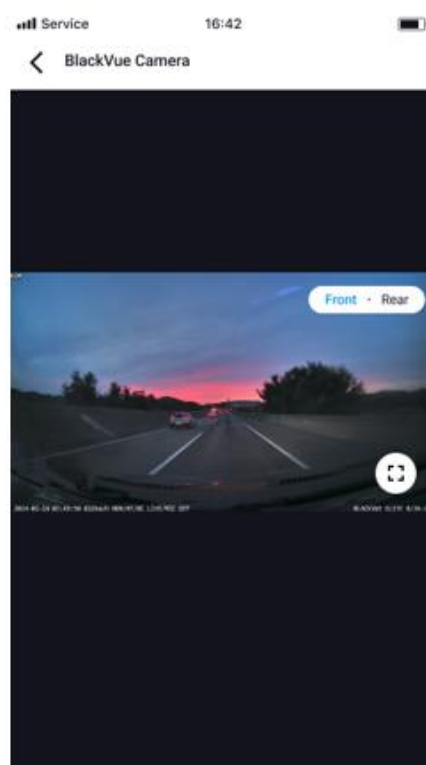
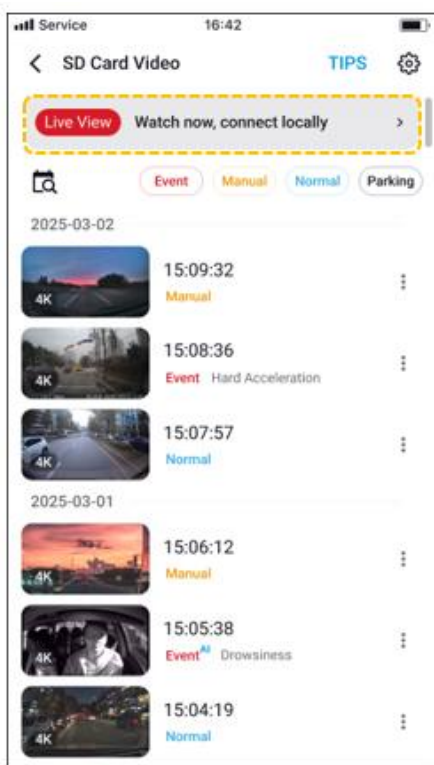
Normal	Normal	The dashcam records in normal mode by default.
Event	Event	When the dashcam detects an impact while in normal or parking mode, it switches to event mode and saves an event recording beginning 5 seconds before the event triggers. Exceeding the set speed limit will also trigger an event recording.
Parking	Parking	In parking mode the dashcam continuously buffers video. When motion is detected in the dashcam's field of view, it saves a parking recording beginning 5 seconds before the motion detection.
Manual	Manual	If touch sensor is enabled in the firmware settings, touching the sensor will trigger manual recording.

□ Live View

Check what your dashcam sees in real time — ideal for setup, positioning, or remote viewing.

□ How to Use Live View

- 1) Open the BlackVue app and go to your Camera screen.
- 2) Tap **"Playback / Live View"**.
- 3) Select the **"Live View"** tab at the top of the SD Card Video screen.
 - Make sure your smartphone is connected to the dashcam's Wi-Fi or Cloud, depending on your setup.



4) The live video stream from your dashcam will appear.

- You can switch between Front and Rear views (if supported).
- Use this to help with dashcam installation or to check your vehicle remotely via Cloud connection.

□ **Note:** A stable Wi-Fi or Cloud connection is required for smooth real-time viewing.

☐☐ Managing Video

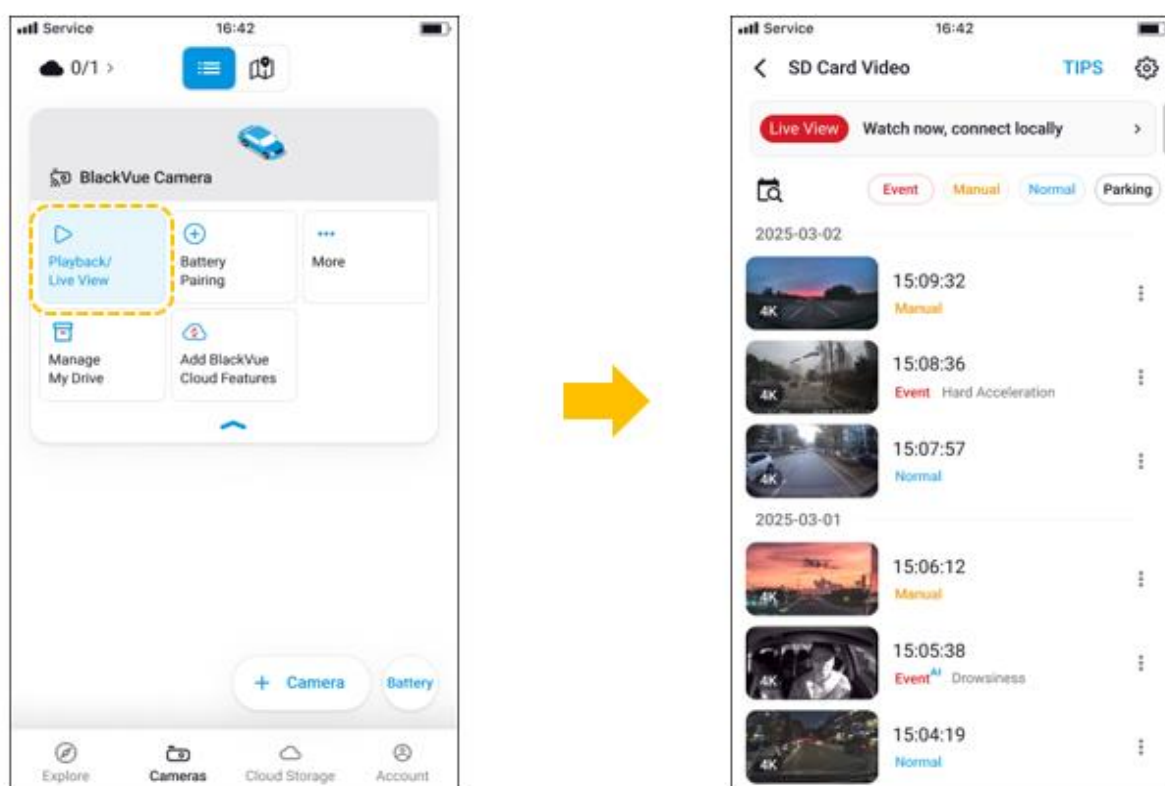
You can easily organize, download, or back up your dashcam footage using the BlackVue app. Whether you want to keep important clips on your phone or upload them to the cloud, the app makes video management quick and simple.

☐ Download to My Device

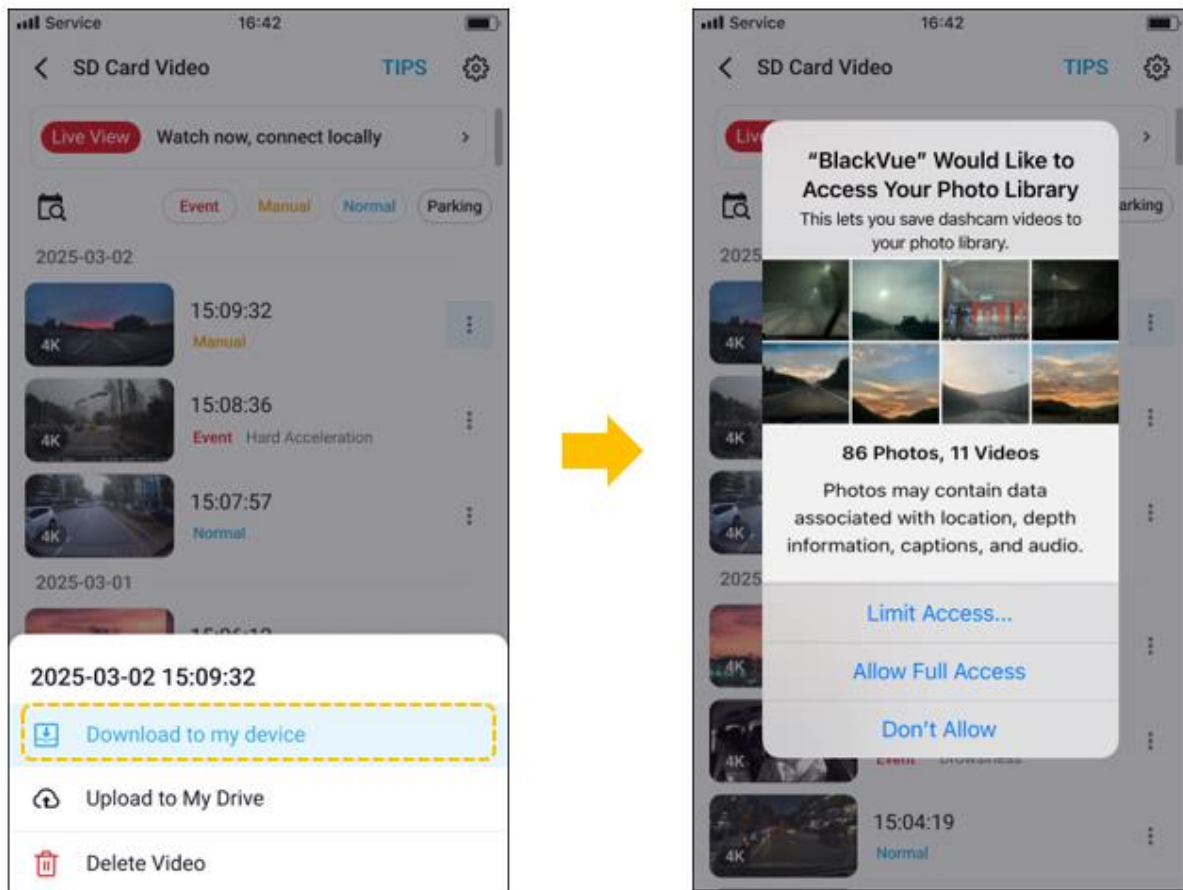
Save dashcam videos directly to your smartphone for offline viewing or sharing.

☐ How to Download a Video to Your Device

- 1) Select **“Playback / Live View”** to open the SD Card Video screen.
- 2) Tap the **three-dot menu (:)** next to the video you want to save.



- 3) Select **"Download to my device"** from the options.
- 4) When prompted, allow the app to access your **Photo Library** to save videos.
 - Tap **"Allow Full Access"** for seamless downloading.

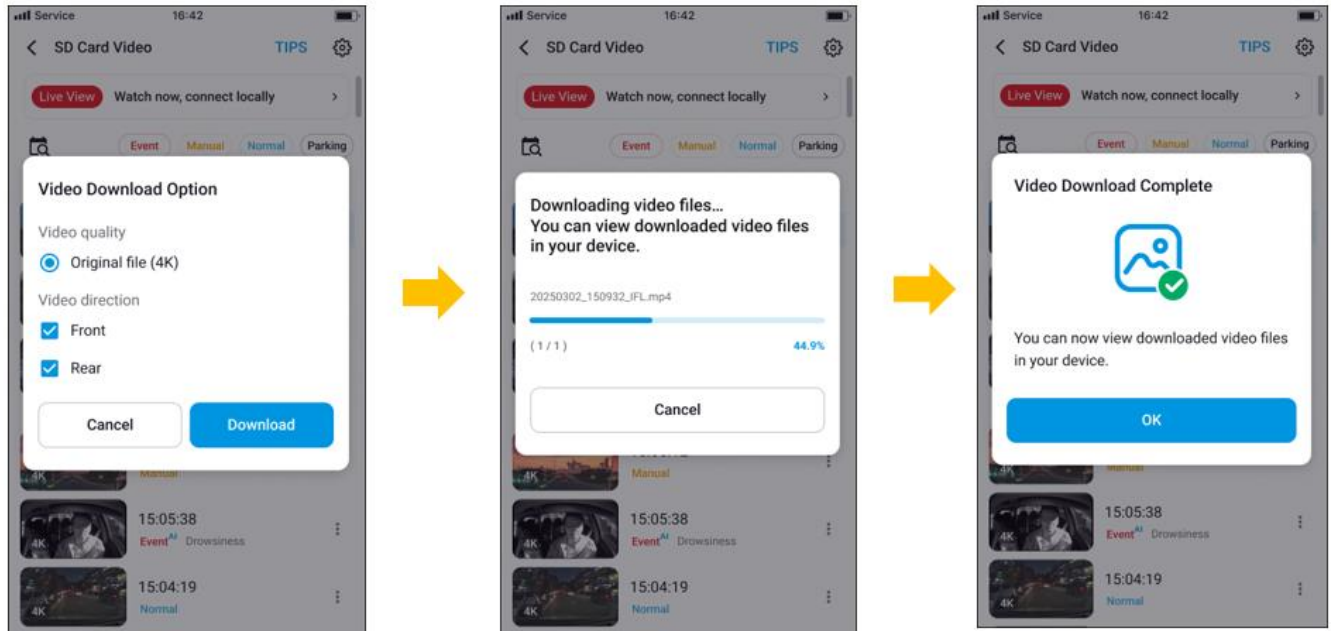


- 5) In the **Video Download Option** screen:

- Choose **Video quality**:
 - Original file

- Select the **Video direction**:

- Front, Rear, or both



6) Tap **Download** to begin.

- A progress bar will show the current download status.

7) Once completed, you'll see a **"Video Download Complete"** message.

□ Downloaded videos can be found in your **phone's gallery** or the **Account tab > Downloaded Videos** within the app.

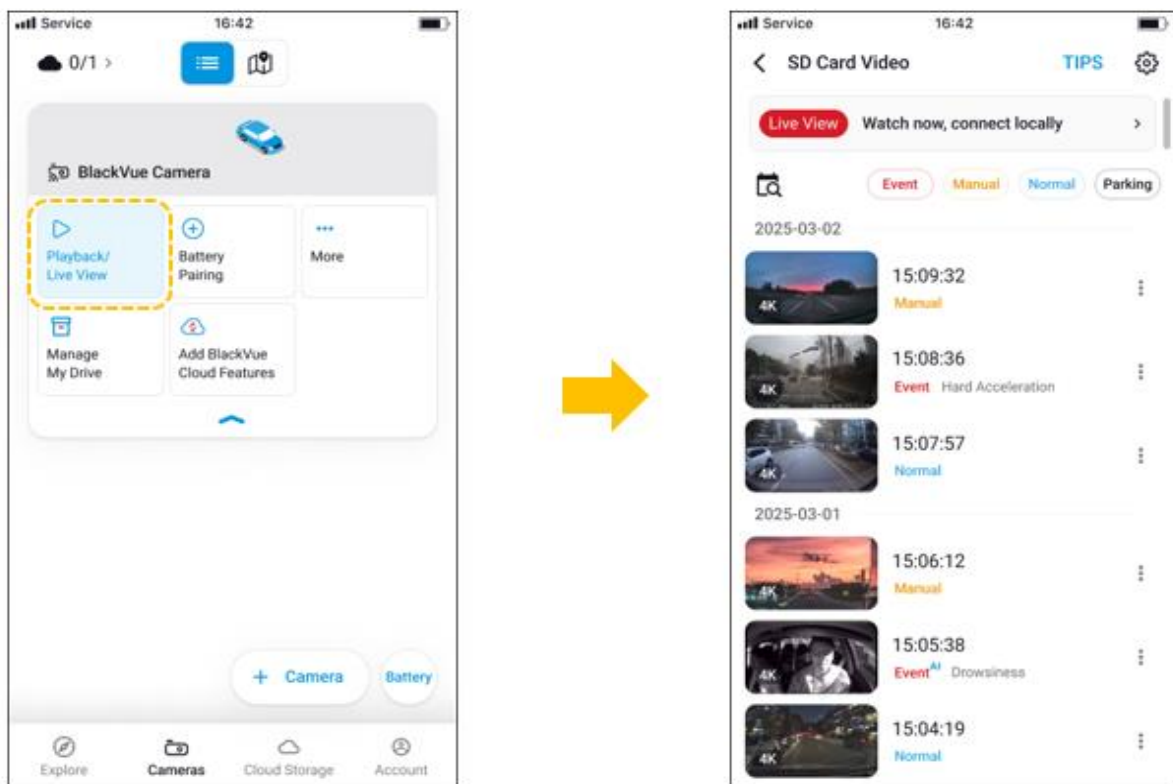
□ Make sure your device is connected to the dashcam's Wi-Fi network to access and download the videos.

□ Upload to My Drive

Store important recordings to your BlackVue Cloud storage (My Drive) for secure access and backup.

□ How to Upload a Video to My Drive

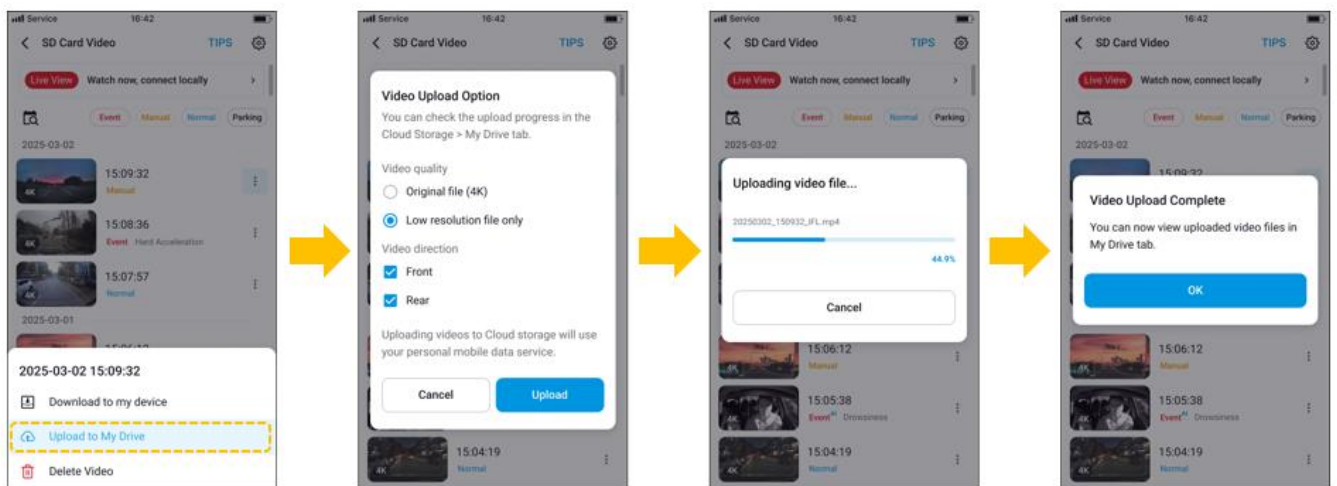
- 1) Select **"Playback / Live View"** to open the SD Card Video screen.
- 2) Tap the **three-dot menu (:)** next to the video you want to upload.



- 3) Select **"Upload to My Drive"** from the options.

4) In the **Video Upload Option** screen:

- Choose **Video quality**:
 - Original file
 - Low resolution file only
- Select the **Video direction**:
 - Front, Rear, or both



5) Tap **Upload** to begin.

- A progress bar will show the current upload status.

6) Once completed, you'll see a **"Video Upload Complete"** message.

□ Uploaded videos can be found in **Cloud Storage tab > My Drive** within the app.

6. Additional Features

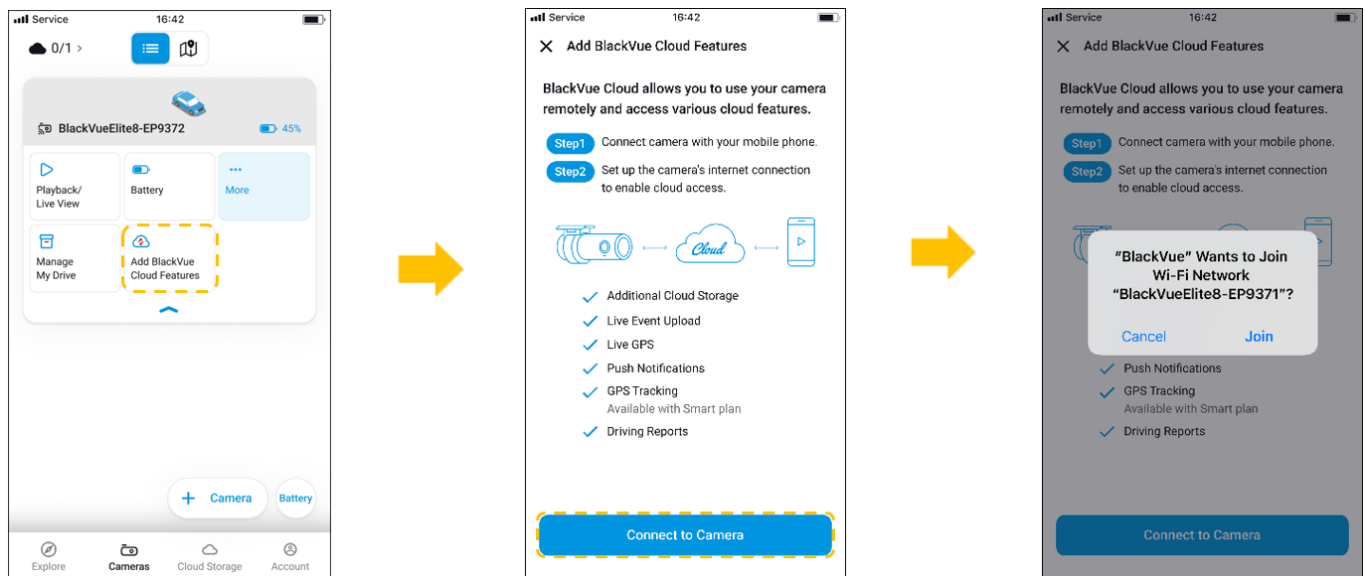
□Experience More with the BlackVue Cloud

Before you begin

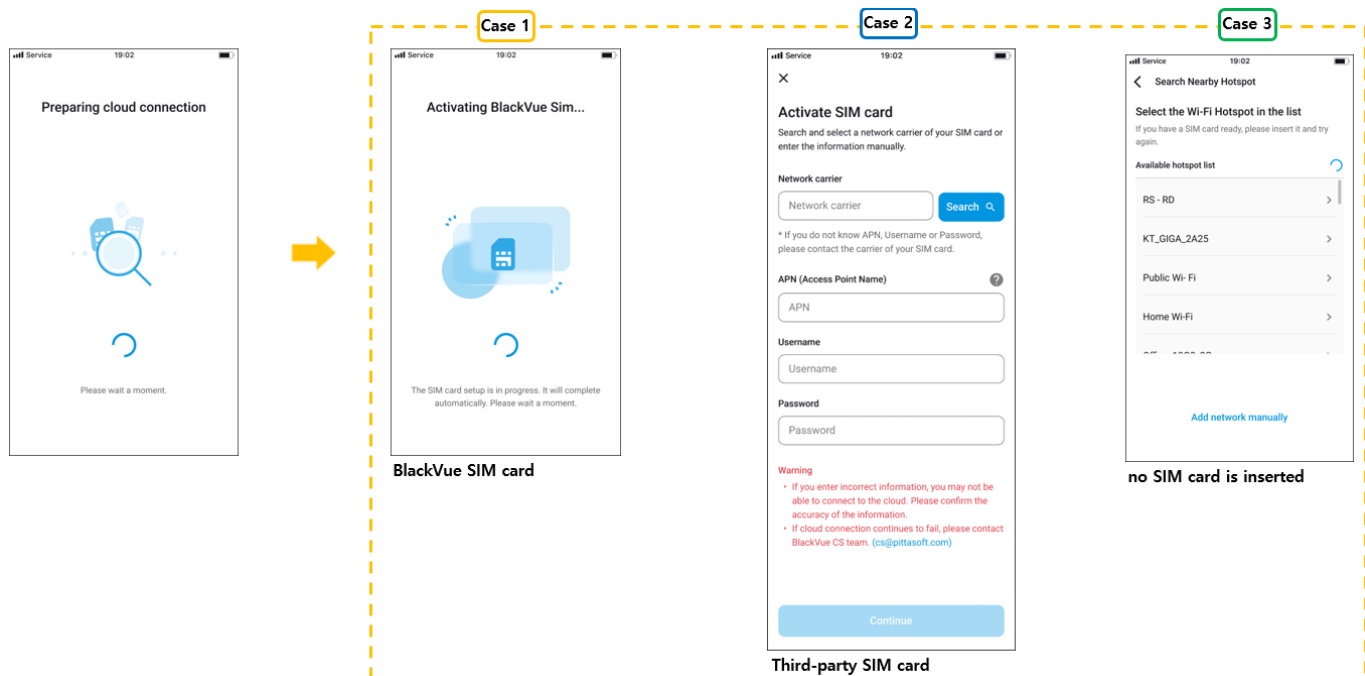
- 1) To use the BlackVue Cloud feature, please prepare and use the BlackVue CM100GLTE module. The BlackVue CM100GLTE module is available for purchase at the BlackVue Store.
- 2) If you do not have the BlackVue CM100GLTE module, please check if there is an available hotspot nearby. Then, connect to the hotspot using.
- 3) Please refer to the instructions below on how to connect to BlackVue Cloud using the CM100G LTE module or a nearby hotspot.

Connect to BlackVue Cloud

- 1) After registering the dashcam in the BlackVue app, tap the **'Add BlackVue Cloud Features'** option on the app Screen.
- 2) Tap **'Connect to camera'**, then tap **'Join'** on the popup window.



3) The app will automatically proceed with '**Preparing cloud connection**' and this step might take a little while, so we kindly ask for your patience.



□Tips

-

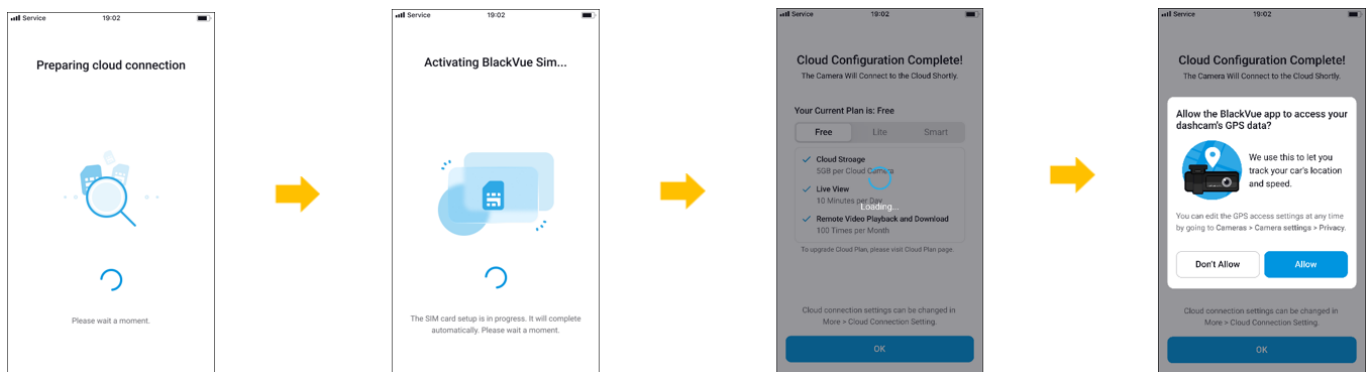
-Case 1: When using the **BlackVue SIM card**, the dashcam automatically detects and connects.

-Case 2: When using a **Third-party SIM card**, You inquire about the APN(Access Point Name / Username / Password) settings with the SIM provider and enter them into the app .

-Case 3: If neither a BlackVue SIM nor a third-party SIM is available, you can connect to a **nearby hotspot** to use the service.

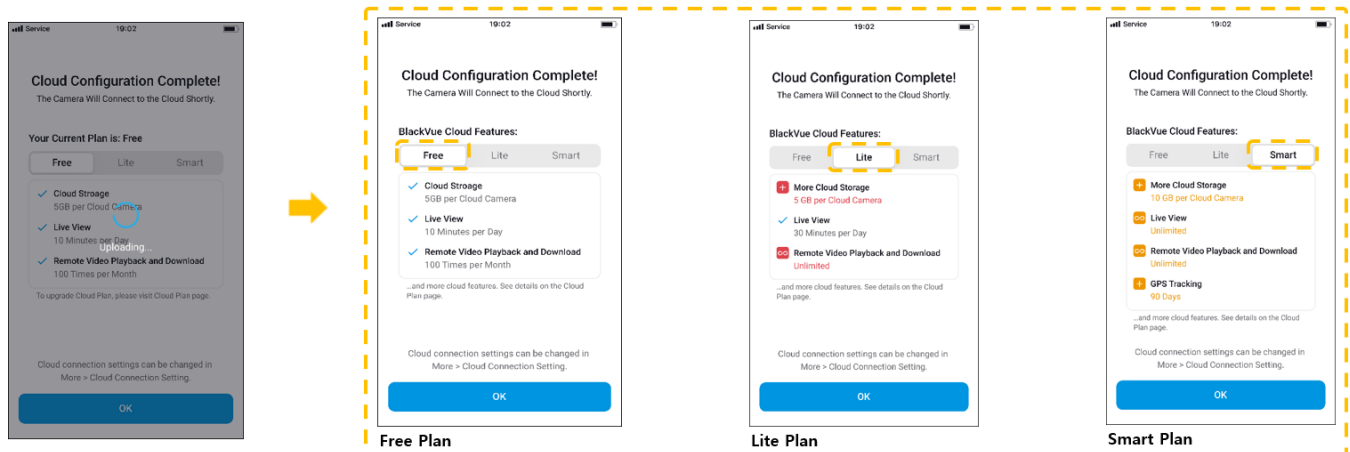
4) When the popup message '**Allow the BlackVue app to access your dashcam's GPS data?**' appears, tap '**Allow**' or '**Don't Allow**' based on your personal circumstances.

If you select '**Don't Allow**', the BlackVue app will not be able to track **your vehicle's location and speed**.



5) After completing the BlackVue Cloud configuration, you will see an overview of the available subscription plans.

If you wish to subscribe or upgrade, you can do so from the Cloud Subscription menu at the top left of the Camera List screen.



□Key Features of BlackVue Cloud

-Live View

Remotely monitor your vehicle in real-time via the BlackVue App.

-Event Auto Upload

Automatically save impact-triggered recordings to the Cloud for added security.

-Video Playback & Download

Access and download recordings stored on your dashcam or in the Cloud from anywhere.

-Push Notifications

Get instant alerts on your smartphone when motion or impact is detected.

-GPS Tracking

View your vehicle's current location and travel history.**Remote Firmware Updates**

Update your dashcam's firmware without removing the SD card.

□How to use BlackVue cloud

For more details on how to use the cloud features, please refer to the link below.

<https://cloudmanual.blackvue.com/docs/blackvueapp/>

□ Note

*Please ensure the dashcam remains powered throughout the connection process.

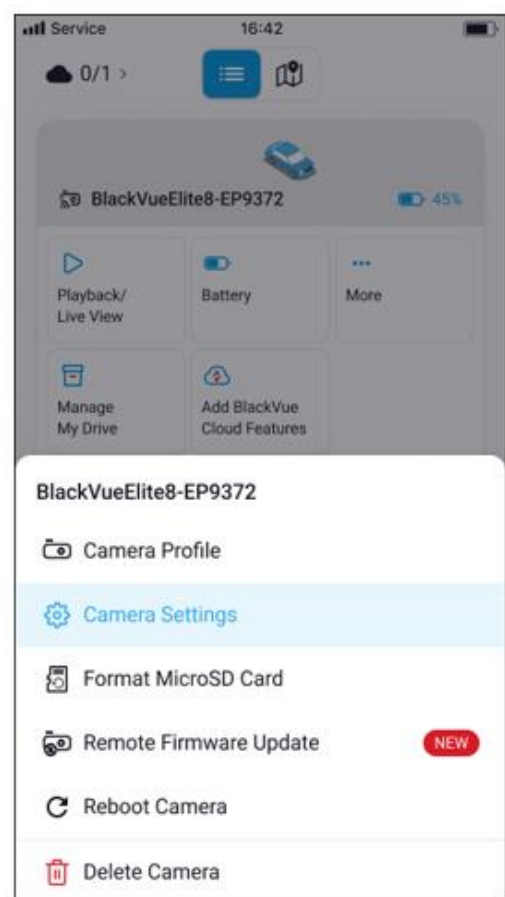
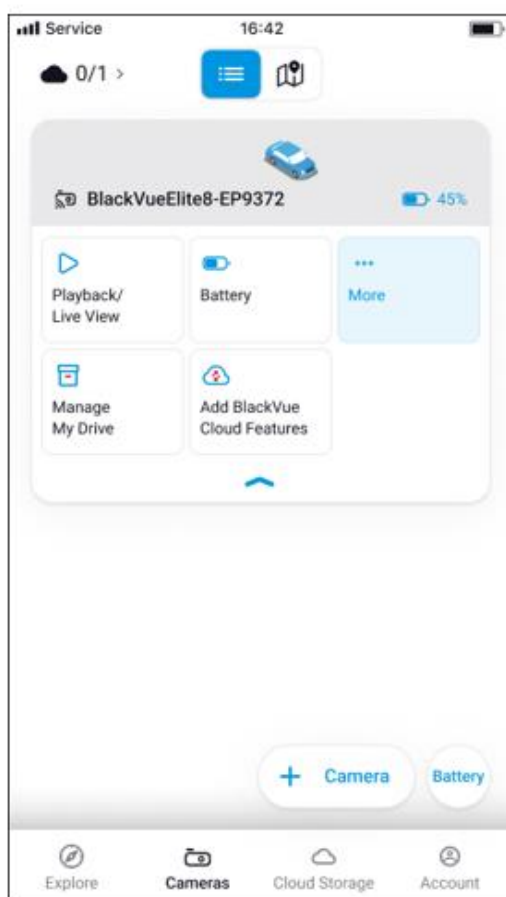
7. Managing Settings

□ Settings with the BlackVue App

Using the BlackVue App, you can easily customize and control your dashcam settings from your smartphone.

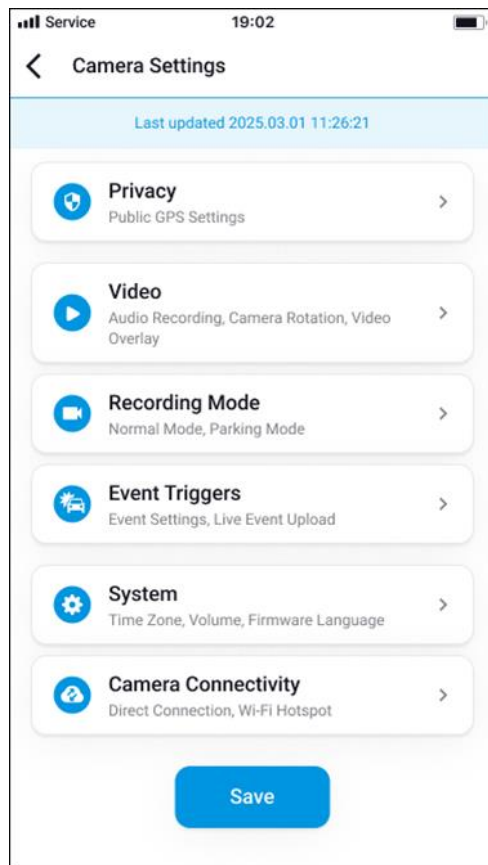
□How to Open Camera Settings

- 1) From the home screen of the BlackVue app, Tap the connected camera panel to open the camera control menu.
- 2) Go to "More" and tap "**Camera Settings**" to adjust your dashcam settings.



□ Camera Settings

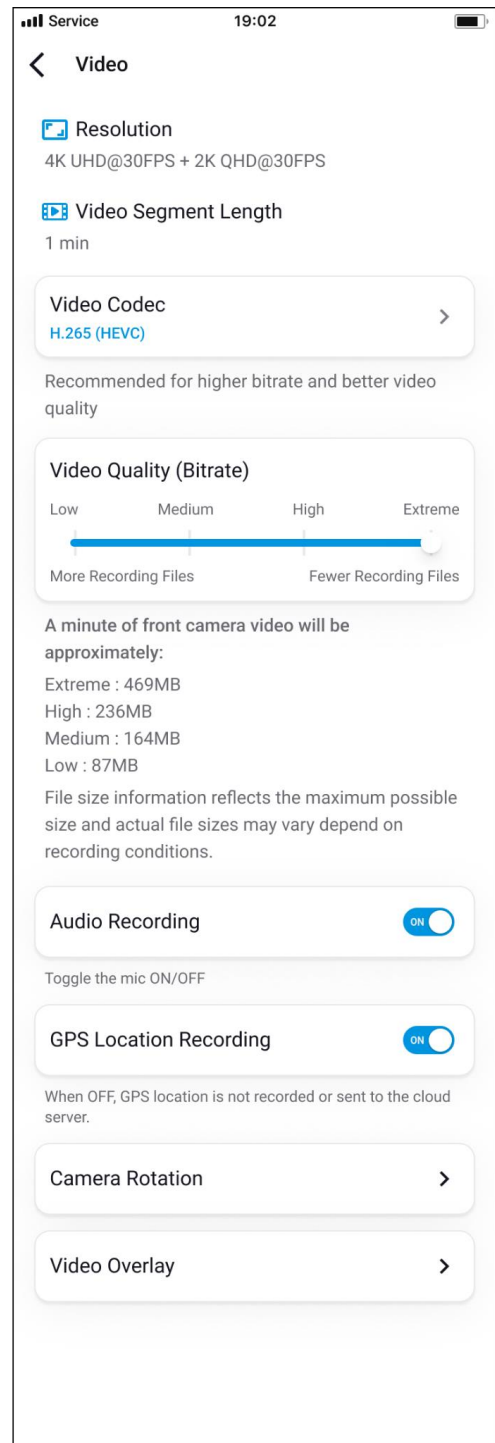
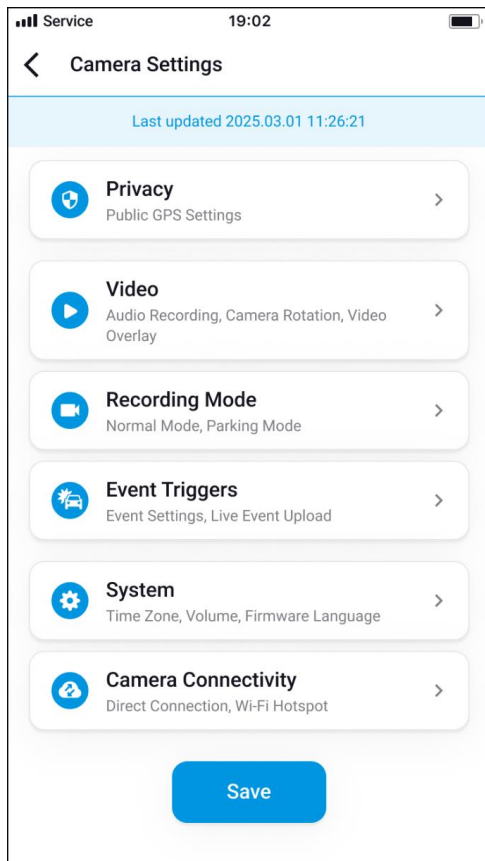
Here's a breakdown of the main setting categories and what you can adjust.



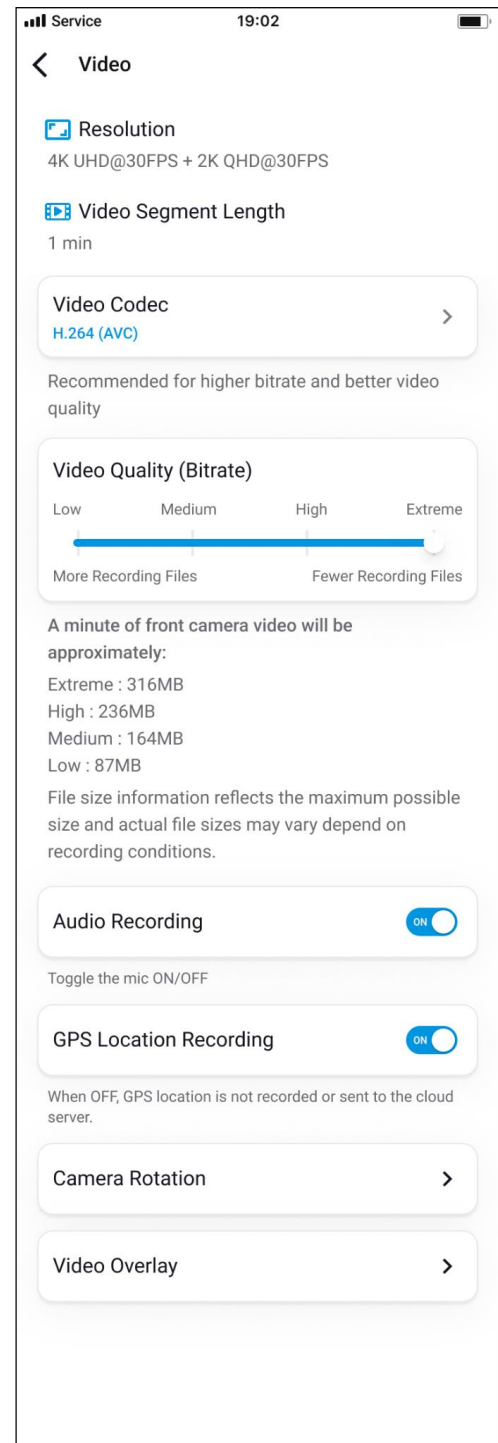
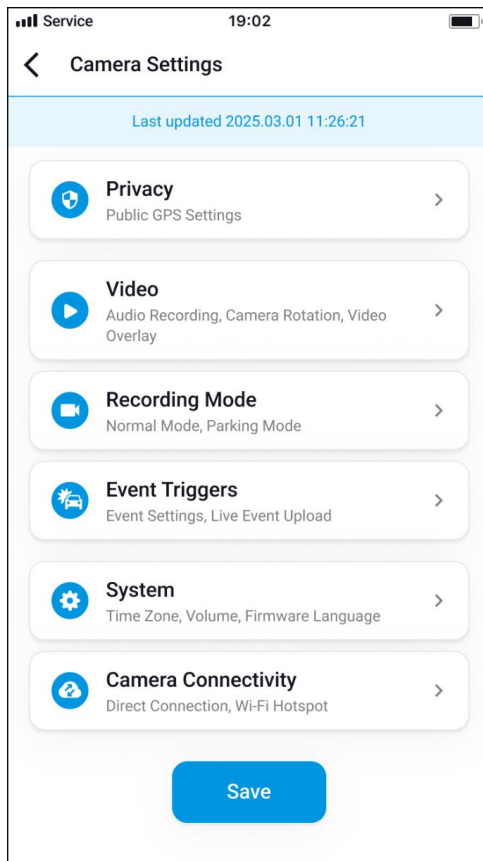
□ Video

H.265(HEVC)

-



H.264(AVC)



- **Resolution:** Fixed to 4K UHD@30fps (front) and 2K QHD@30fps (rear).
- **Video Segment Length:** Fixed at 1-minute clips.

- **Video Quality:** Select the desired video quality level depending on your preference for video clarity and file size.
- **Extreme (H.265_60Mbps):** ~469MB per minute (highest clarity, largest file size)
- **Extreme (H.264_40Mbps):** ~316MB per minute (highest clarity, largest file size)
- **High (30Mbps):** ~236MB per minute
- **Medium (20Mbps):** ~164MB per minute
- **Low (10Mbps):** ~87MB per minute (smallest file size, lower clarity)

Higher video quality settings increase the clarity of recordings but also increase the size of each recording file. Choose a setting that best balances your need for video detail and available storage.

- **Audio Recording:** Toggle on/off to include or exclude sound.
- **GPS Location Recording:**

Your dashcam includes GPS tracking, which records your vehicle's location and speed. This feature is enabled by default.

If you turn off GPS location recording:

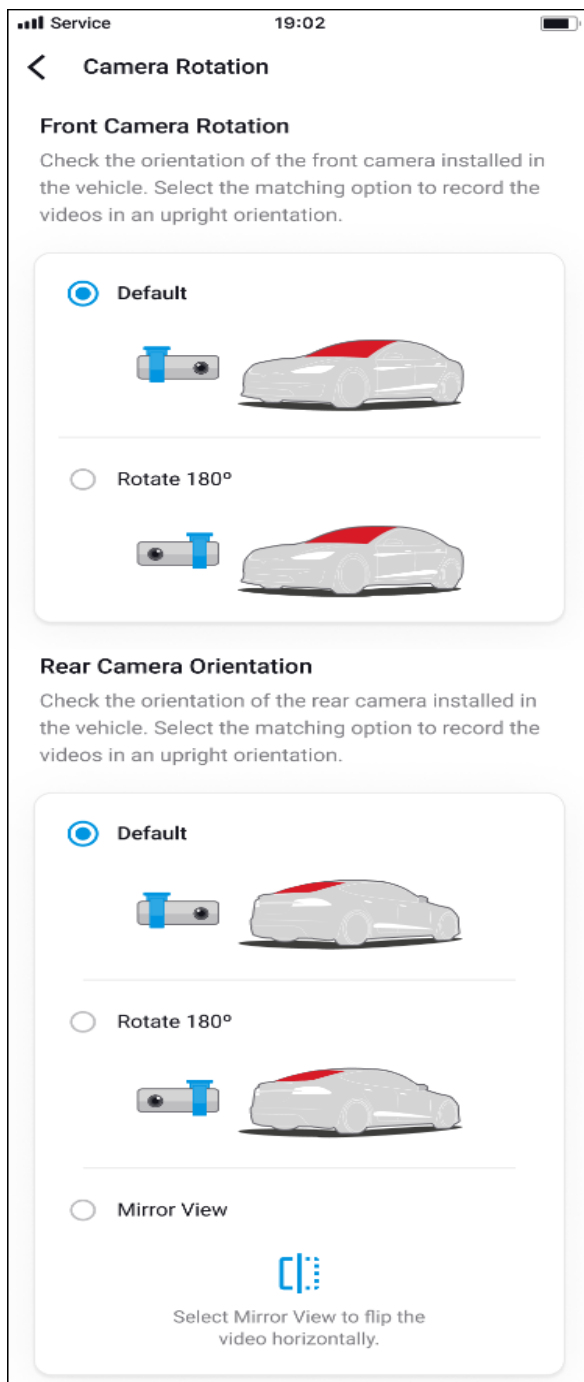
- Your driving route and location will not be saved or sent to the cloud, helping protect your privacy.
- However, some core features like speed-based alerts will continue to work normally.

□ What changes when GPS location recording is OFF:

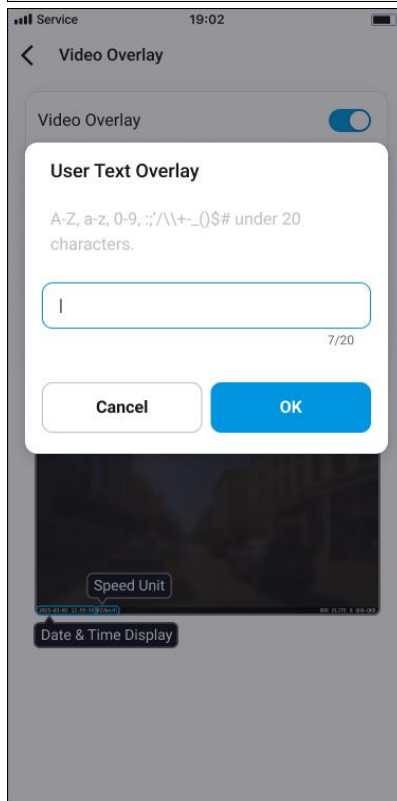
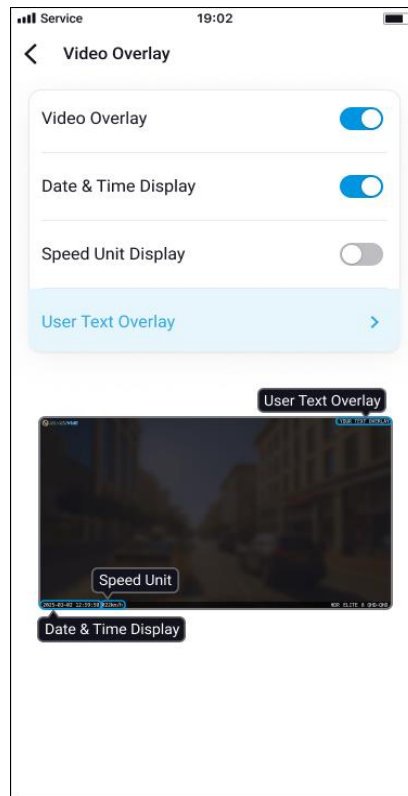
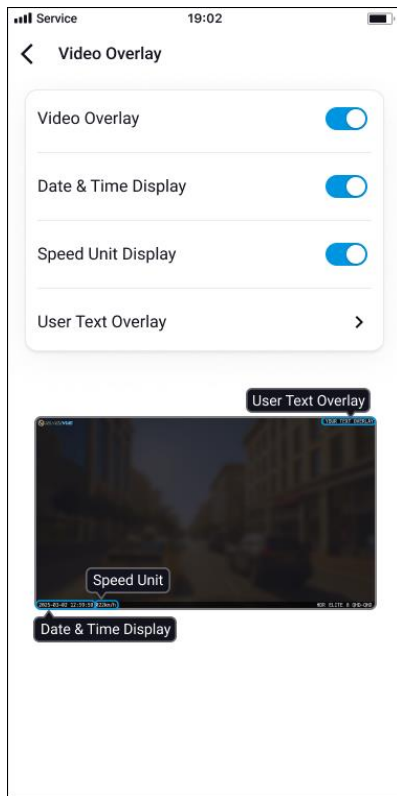
Feature	Behavior
☐ ☐ Live View (Map)	Map does not show GPS location information
☐ Camera List (Map View)	Your car's location is not shown
☐ ☐ Video Playback (Map)	Map does not show GPS location information
☐ GPS Tracking	Not supported
☐ Geo-Fencing	Not supported
☐ Drive Report	No location-related data shown
☐ Live Event Upload (Map)	Map does not show GPS location information
☐ GPS Time Sync	☐ Still works
☐ Speed/Driving Events (e.g., speeding, hard braking)	☐ Still work

□**Tips:** If privacy is a concern, turning off GPS is a good option — and most driving performance features will still function as usual.

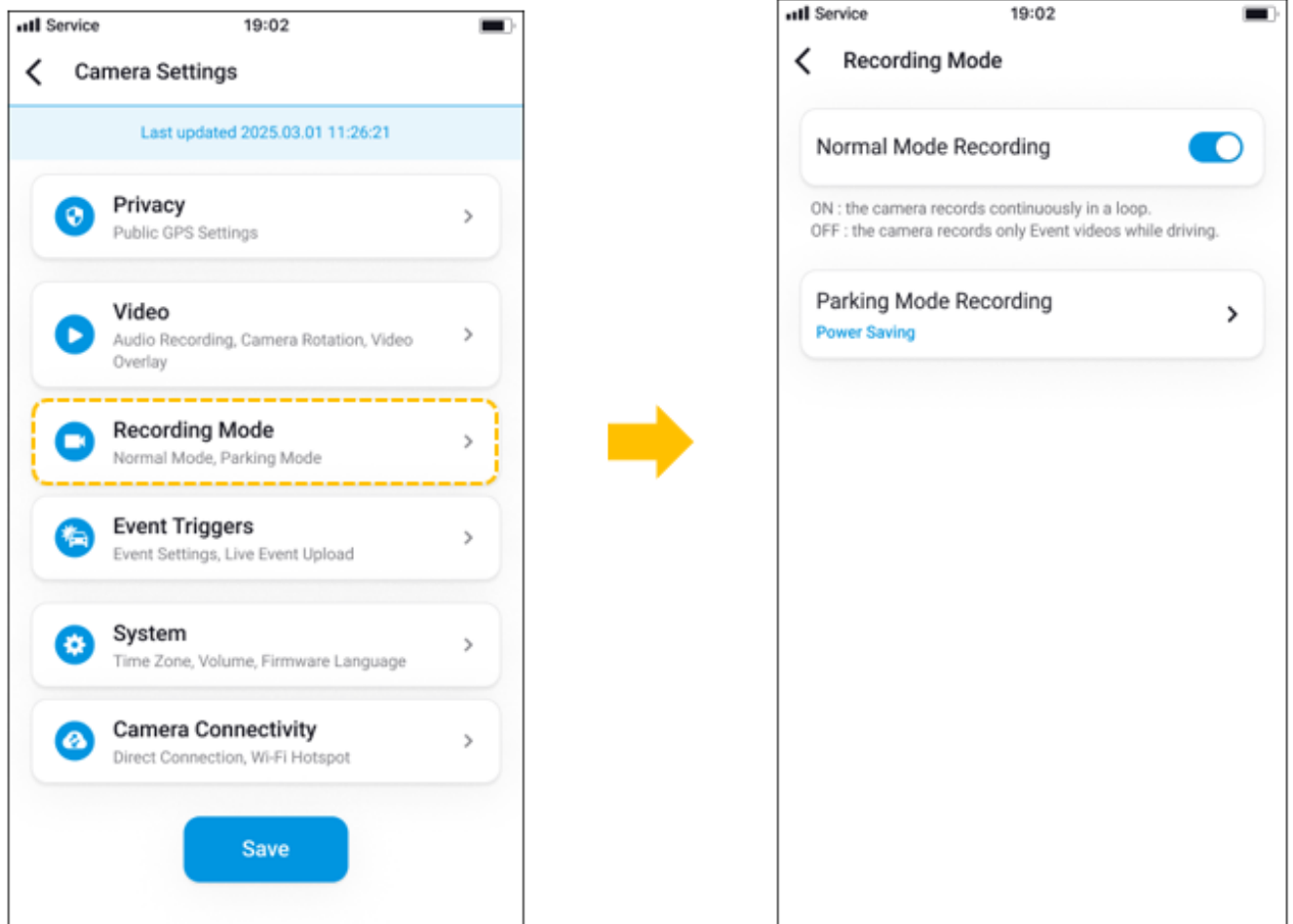
- **Camera Rotation:** Flip or mirror the image if the camera is mounted upside down.



- **Video Overlay:** Toggle overlay elements such as date/time, speed, and custom text.



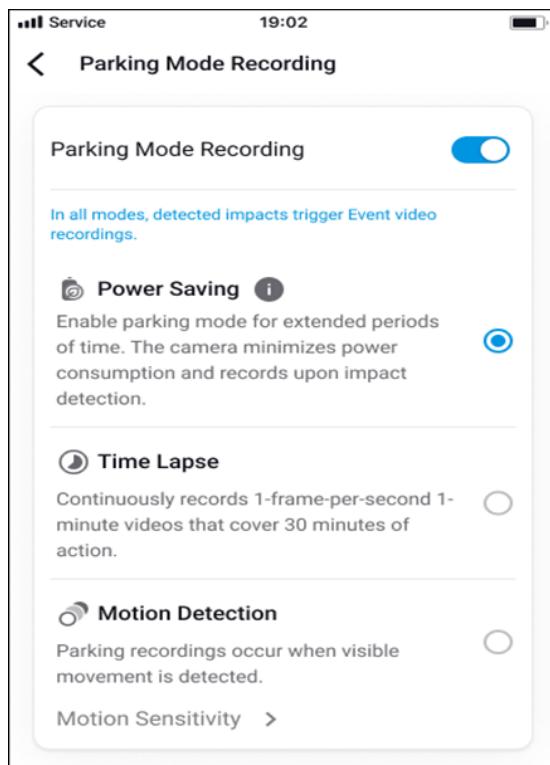
□□ Recording Mode



- **Normal Mode Recording:** Enable/disable continuous recording while driving.
- **Parking Mode Recording:** In parking mode, your dashcam continues to monitor your vehicle even when the engine is off. You can choose from the following three modes.

Parking Mode Recording

-



1) Power Saving Mode

- ☐ *Ideal for long-term parking*
- The dashcam enters a low-power state to conserve battery.
- It does **not** record continuously — instead, it **wakes up only when an impact is detected** and saves an event video.
 - ☐ **Note:** Power Saving Mode **does not support pre-buffering**, and **event video recording begins within 2 seconds** of the impact detection.
- Great for reducing power consumption while still capturing important incidents.

2) Time Lapse Mode

- ☐☐ *Efficient continuous monitoring*
- The dashcam records **1 frame per second** and saves it as a 1-minute video (which plays back 30x faster).
- Good for reviewing overall parking footage without using too much storage.

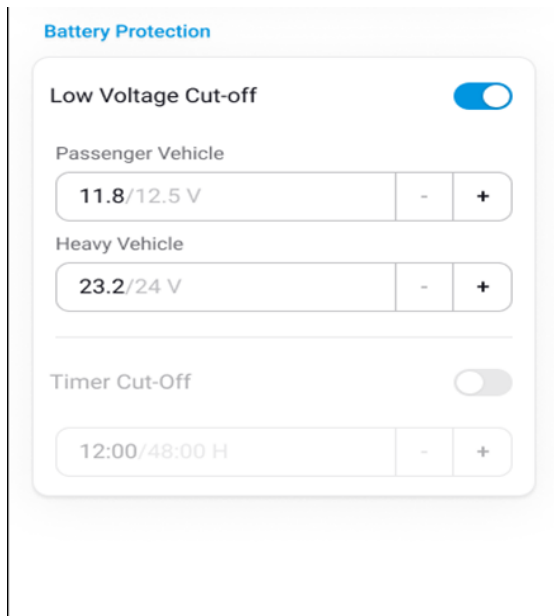
3) Motion Detection Mode

- ☐ *Standard parking surveillance*
- The camera **continuously buffers video**, and starts recording when motion is detected in its field of view.
- You can also customize **motion sensitivity** and exclude specific detection zones to reduce false triggers (e.g., from trees or passing shadows).

☐ **Note:** In all modes, **any detected impact** will always trigger an event recording.

Battery Protection

Automatically powers down the camera to avoid draining the vehicle battery (requires hardwiring).



- **Low Voltage Cut-off**

Shuts down the dashcam when the vehicle battery voltage drops below a preset threshold.

This prevents excessive battery drain that could affect engine start-up.

The voltage threshold can typically be adjusted from 11.8V to 12.5V for 12V systems (or 23.6V to 25.0V for 24V systems), depending on your preferences and vehicle type.

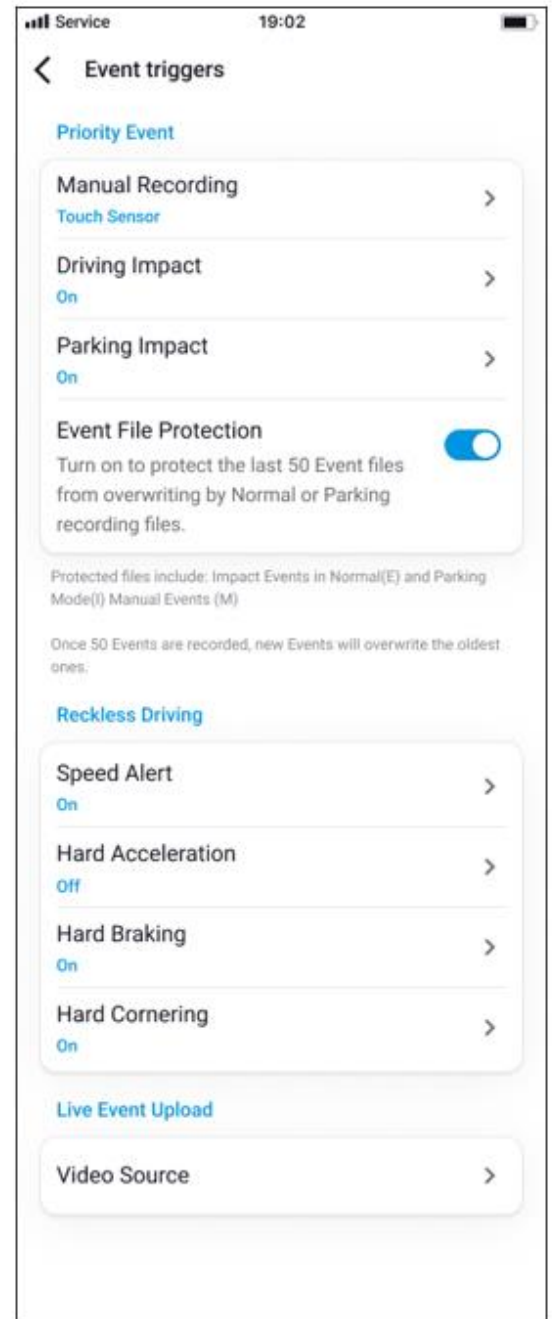
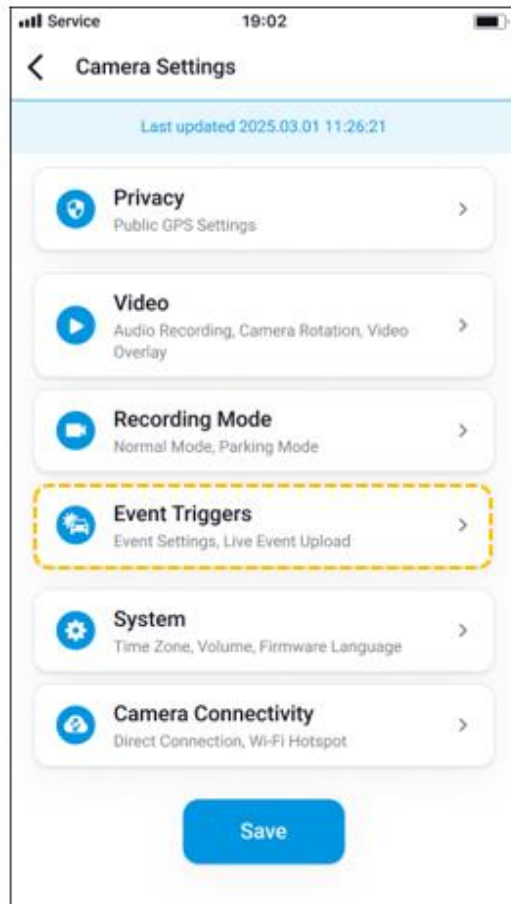
- **Timer Cut-off**

Powers off the dashcam after a preset duration of Parking Mode recording.

You can choose the cut-off timer (e.g., 6 hours, 12 hours, 24 hours, etc.) to limit the operation time while parked, even if sufficient voltage remains.

This helps preserve battery life during extended parking periods.

□ Event Triggers



- **Manual Recording:** Turn on/off manual recording via the touch sensor.

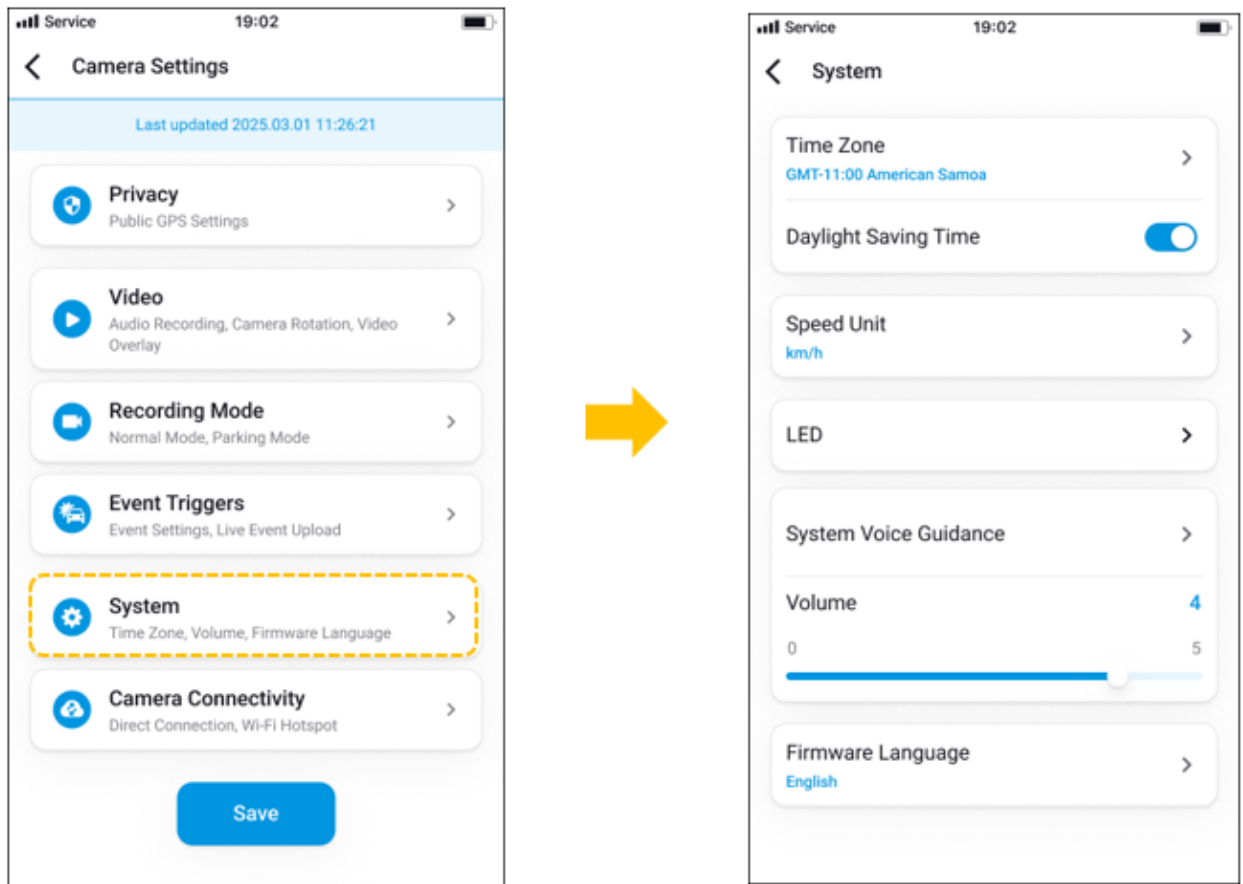
- **Driving Impact:** Adjust G-sensor sensitivity to detect impacts while driving.
- **Parking Impact:** Enable recording for impacts while parked.
- **Event File Protection:** Lock and protect up to 50 important recordings.
- **Speed Alert:** Record events when exceeding a set speed.
- **Hard Acceleration / Braking / Cornering:** Detect sudden movements and trigger recordings.
- **Live Event Upload:** Upload event videos to the cloud automatically. (**BlackVue Cloud Service**)

-Manual Recording / Driving Impact / Parking Impact / Speed Alert / Hard Acceleration / Hard Braking / Hard Cornering events can be applied to **Live Event Upload**

- **Voice Alerts:** Hear a voice notification when an event is triggered, such as an impact, speeding, or reckless driving behavior.

□**Note:** *BlackVue Cloud Service requires additional setup to unlock the features.*

□ System



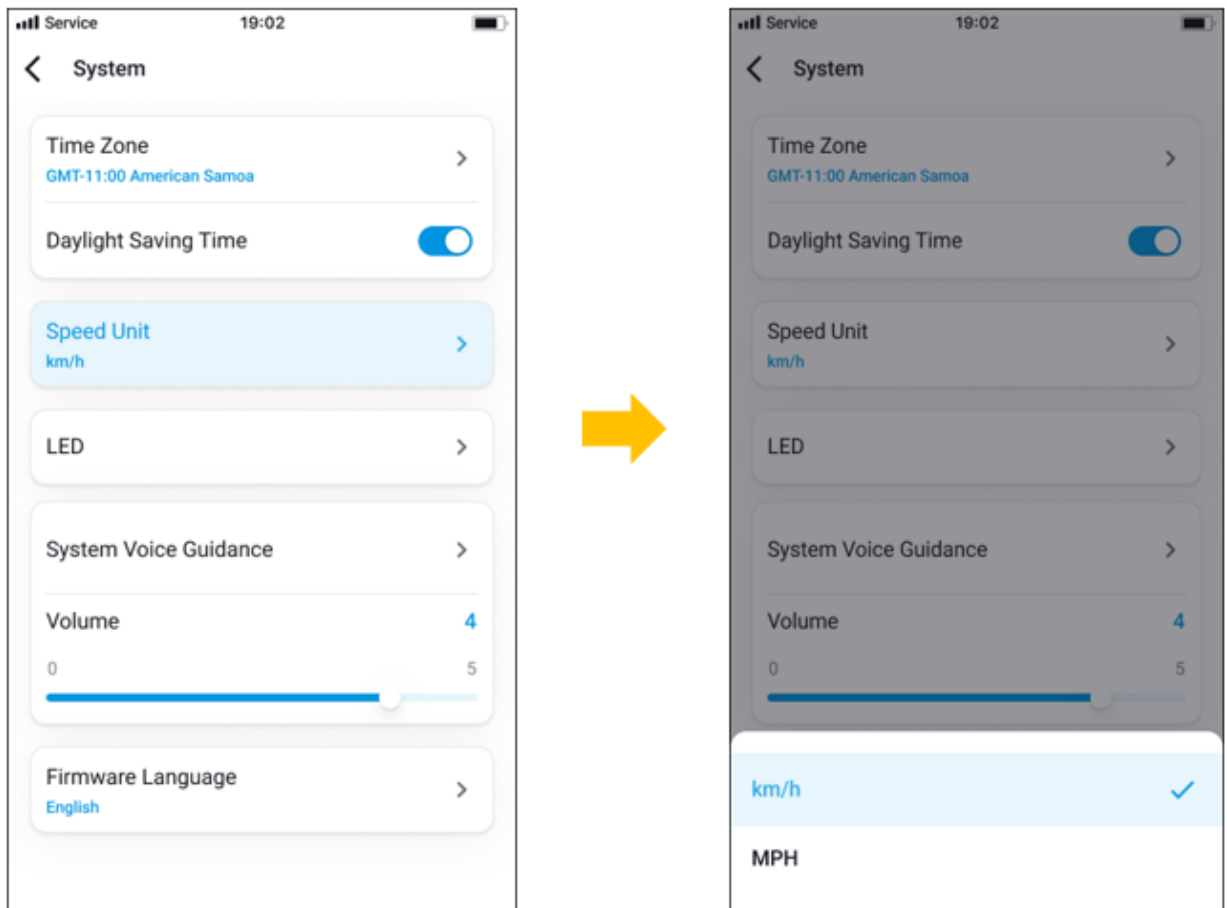
□ **Time Zone:** Choose your time zone to sync with GPS time or set it manually. You can also enable Daylight Saving Time to automatically adjust for summer time.

- The factory default is **GMT -11**.
- Examples of common time zones:
 - GMT-7: Los Angeles
 - GMT-4: New York
 - GMT+0: London
 - GMT+1: Paris
 - GMT+3: Moscow
 - GMT+8: Singapore
 - GMT+9: Seoul

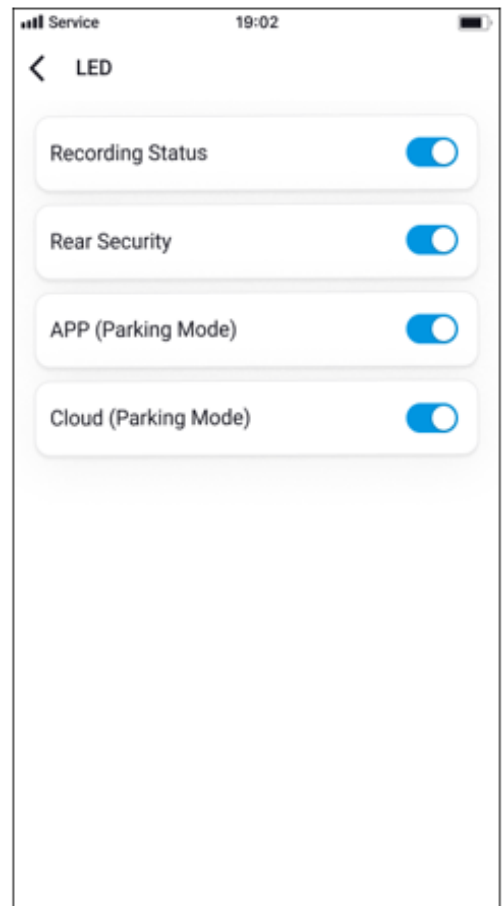
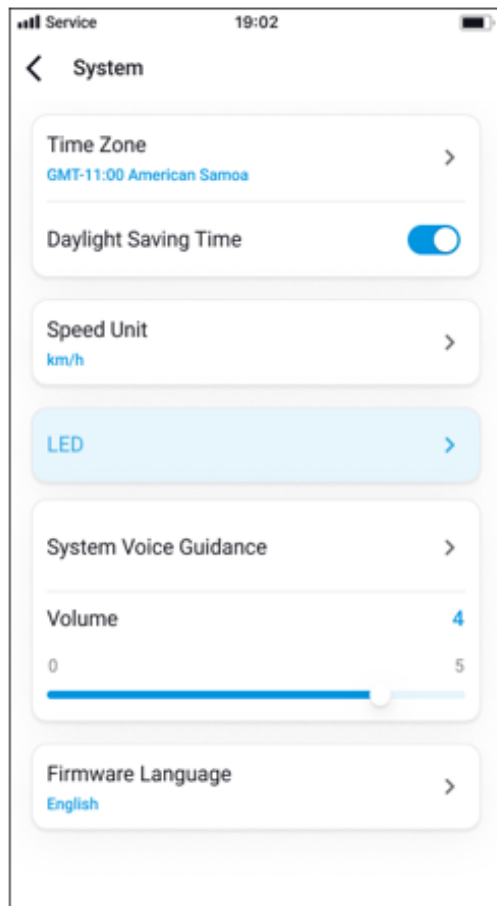
-

- GMT+10: Sydney
- If you're unsure of your offset, visit greenwichmeantime.com to check.
- When setting time manually, enter the time you plan to use the dashcam, not the current time.

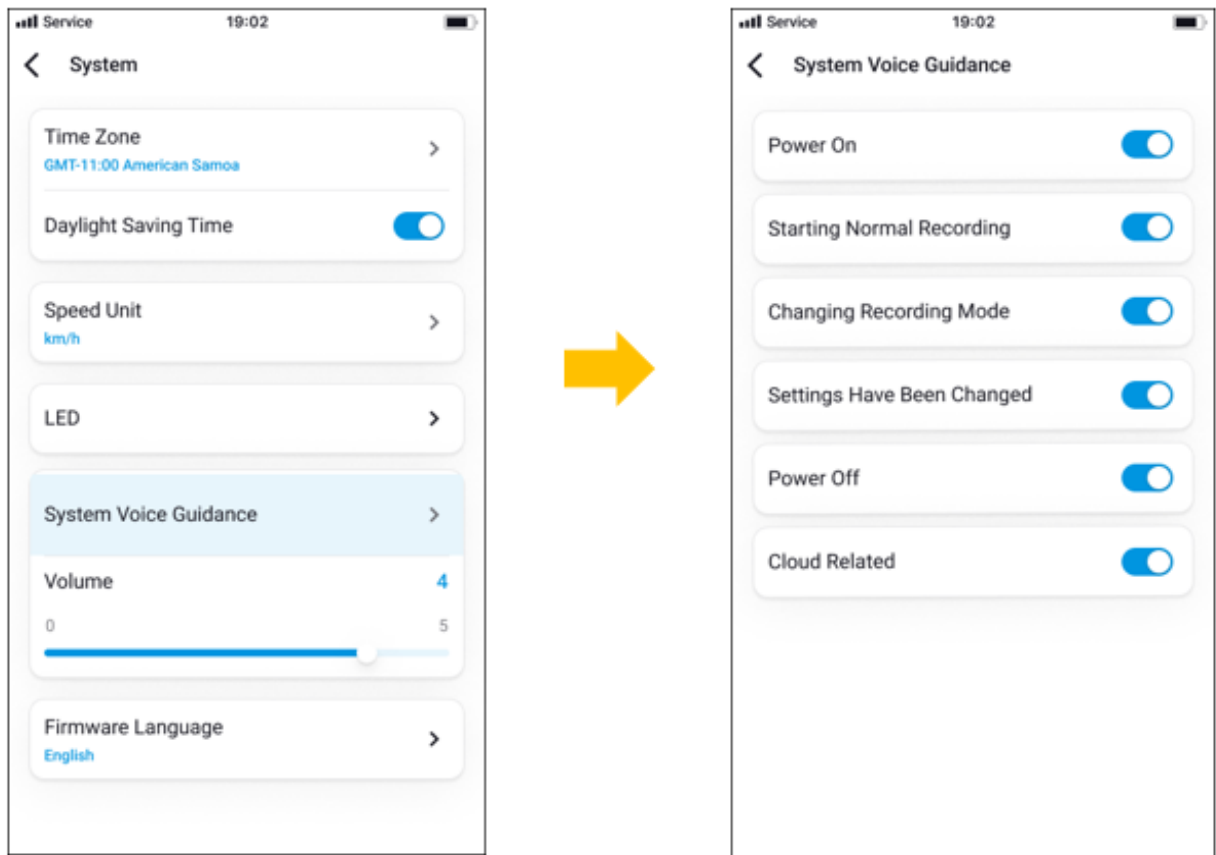
□ **Speed Unit:** Choose between km/h and MPH for speed-related data display.



□ **LED Indicators:** Choose which LEDs are active in different modes (recording, parking, etc.).



□ **System Voice Guidance:** Toggle voice alerts on or off.



□□ **Volume:** Adjust voice guidance volume.

□ **Firmware Language:** Change the language used for firmware menus and alerts.

-Korean(한국어) / English(English) / Russian(Русский) / Japanese(日本語)

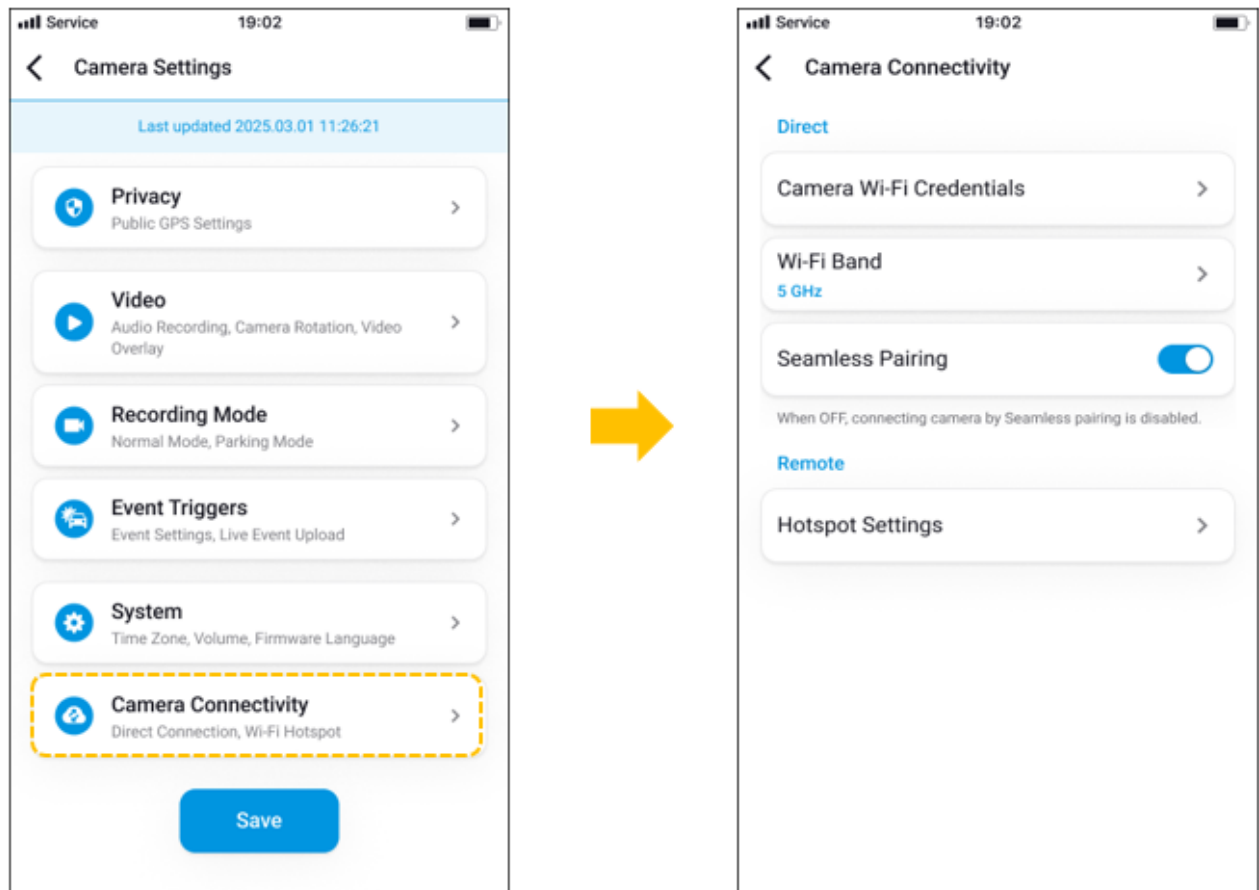
Simplified Chinese(中文) / German(Deutsch) / French(Français) / Thai(ไทย)

Indonesian(Bahasa Indonesia) / Vietnamese(Tiếng Việt) / Spanish(Español)

Italian(Italiano) / Dutch(Nederlands) / Polish / Norwegian / Finnish / Arabic(عربي)

□ Camera Connectivity

Manage how your dashcam connects to the internet or your smartphone. These settings allow for seamless pairing, Wi-Fi setup, and remote cloud access.



□ Camera Wi-Fi Credentials

Change the name (SSID) and password of your dashcam's built-in Wi-Fi network.

- Go to **Camera Wi-Fi Credentials** to customize your camera's network name and set a secure password.
 - This is the Wi-Fi you'll connect to when using direct features like Live View and Playback.
-

□ **Wi-Fi Band**

Choose between **2.4GHz** and **5GHz** Wi-Fi bands (depending on your camera model):

- **2.4GHz**: Wider range but slower speed.
- **5GHz**: Faster speed but shorter range.

□**Note**: *Make sure your phone supports the selected band when connecting.*

□ **Seamless Pairing**

Easily pair your smartphone with your dashcam using Bluetooth.

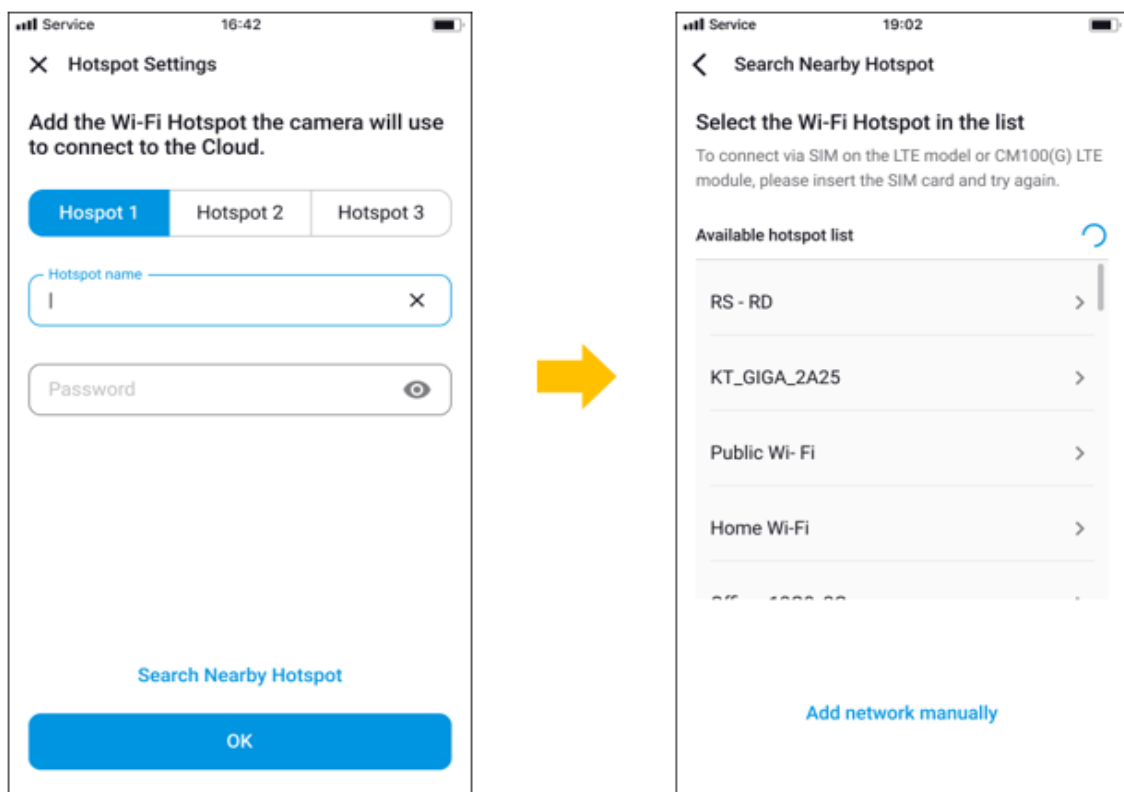
- Toggle **Seamless Pairing** ON to allow automatic connection during setup.
- If this is OFF, pairing must be done manually via Wi-Fi.

□**Note**: *Seamless Pairing makes first-time setup quick and easy.*

❑ Hotspot Settings (Remote Access)

If your dashcam is equipped with the **LTE connectivity module (CM100GLTE)** accessory, there is no need to use a hotspot — the module provides a direct cellular connection to BlackVue Cloud.

Connect your dashcam to a **Wi-Fi hotspot** to enable access to BlackVue Cloud services — including remote live view, push notifications, and Live event uploads.



- 1) Select a slot (**Hotspot 1 / 2 / 3**)

- 2) Tap **"Search Nearby Hotspot"** and choose a Wi-Fi network
 - Or tap **"Add network manually"** to enter it yourself
- 3) Enter the **Wi-Fi name (SSID)** and **password**
- 4) Tap **'OK'** to save

□ **About Hotspot 1 / 2 / 3 Slots**

Your dashcam allows you to save up to **three different Wi-Fi hotspot profiles**, labeled as **Hotspot 1, Hotspot 2, and Hotspot 3**. These slots serve the following purposes:

- **Multiple Hotspot Flexibility:** If you use your dashcam across different vehicles or locations (e.g., home, office, mobile router), you can save a unique hotspot setting in each slot.
- **Automatic Switching:** The dashcam will attempt to connect to the saved hotspots in order, starting with Hotspot 1, then 2, then 3 — depending on which network is available.
- **Convenient Management:** You can edit or replace the Wi-Fi information in any slot at any time by selecting it and updating the SSID and password.

This setup ensures a **seamless connection to the Cloud**, even when moving between different environments.

☐ Once set up, your dashcam can use the hotspot to access **Cloud features** like Live View and Live Event Upload.

8. SD Card Maintenance & System Updates

Manage the ELITE 9 dashcam's firmware and microSD card to ensure smooth performance.

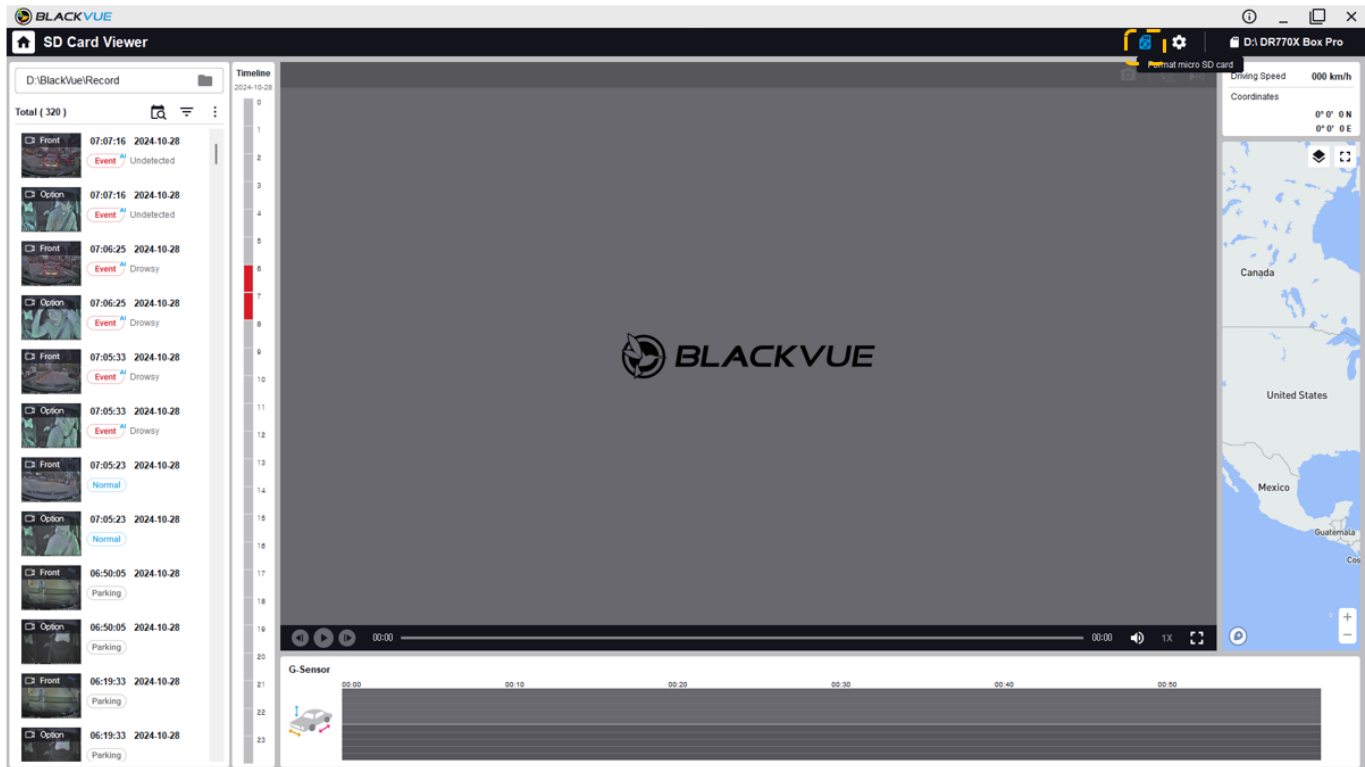
Formatting the microSD card

BlackVue devices support the FAT32 file system. Therefore, to ensure stable operation, the microSD card must be formatted in FAT32.

Backup and necessary video files before formatting the microSD card. If you format the microSD card, all the video files stored in the microSD card will be deleted, including the locked event files. Your saved settings will not be affected.

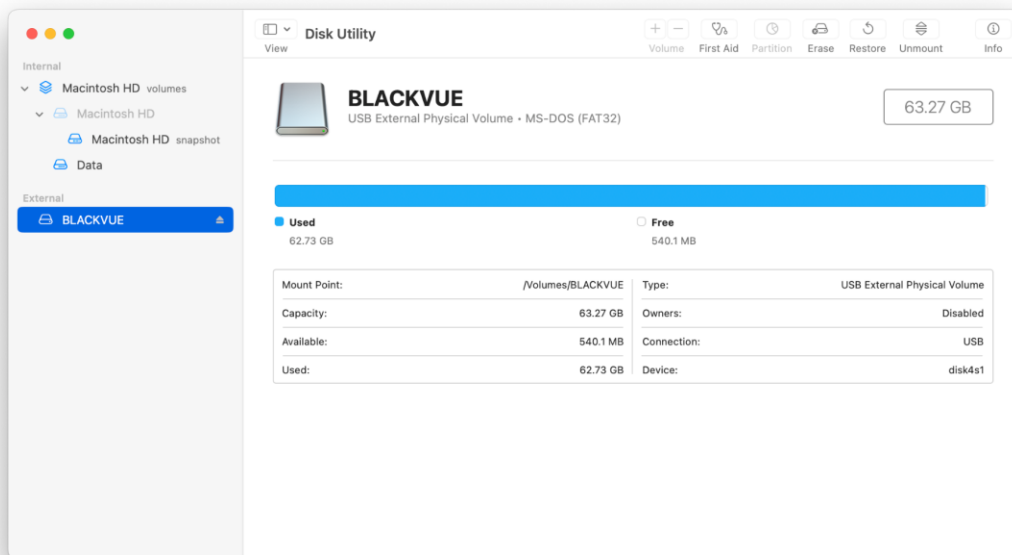
☐ Format using Blackvue Viewer(Windows)

- 1) Insert the microSD Card into your computer.
- 2) Download BlackVue Viewer(Windows) from www.blackvue.com>Support>Firmware Download and install it on your computer.
- 3) Launch the BlackVue Viewer that is installed on your computer.
- 4) Click the  Format button, select the microSD card drive, and click Format.

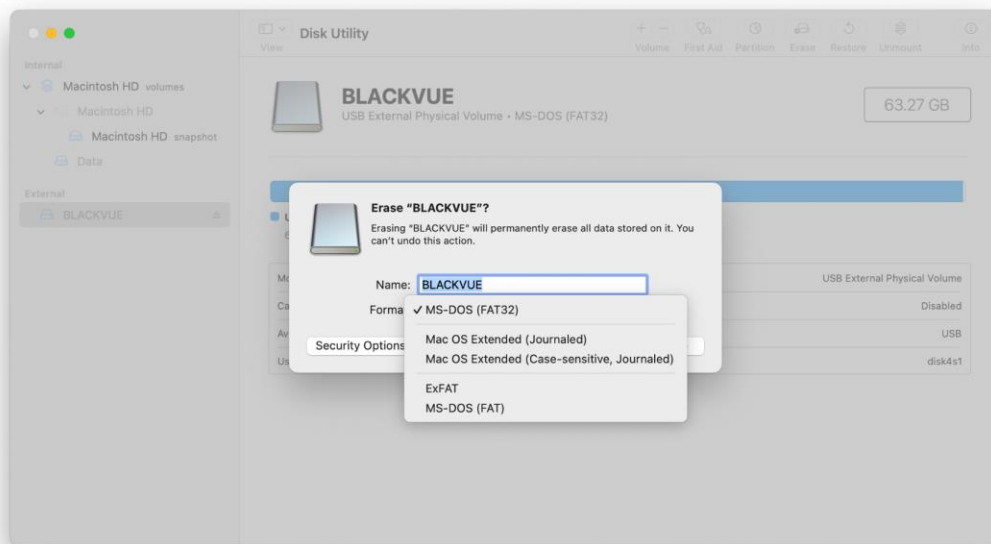


❑ Format using BlackVue Viewer(macOS)

- 1) Insert the microSD card into your computer.
- 2) Download BlackVue viewer(Mac) from www.blackvue.com>Support > Firmware
Download and install it on your computer.
- 3) Launch the BlackVue Viewer that is installed on your computer.
- 4) Click the  Format button and select the microSD card from the list of drives in the left frame.



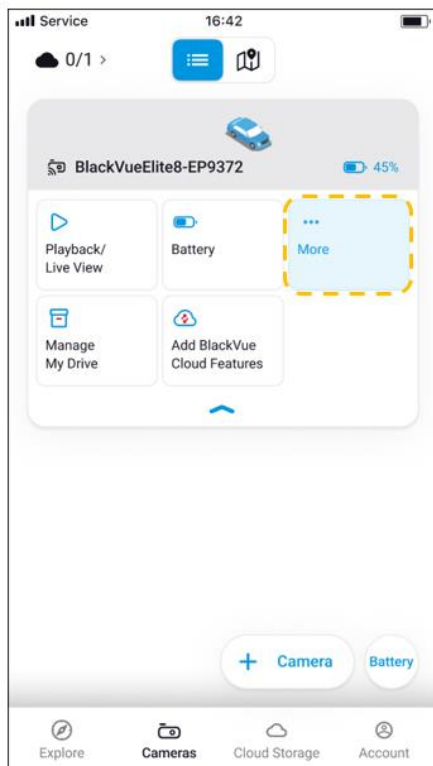
5) After selecting your microSD card, select the Erase tab in the main window.



6) Select 'MS-DOS(FAT)' from the Volume Format drop-down menu and click Erase.

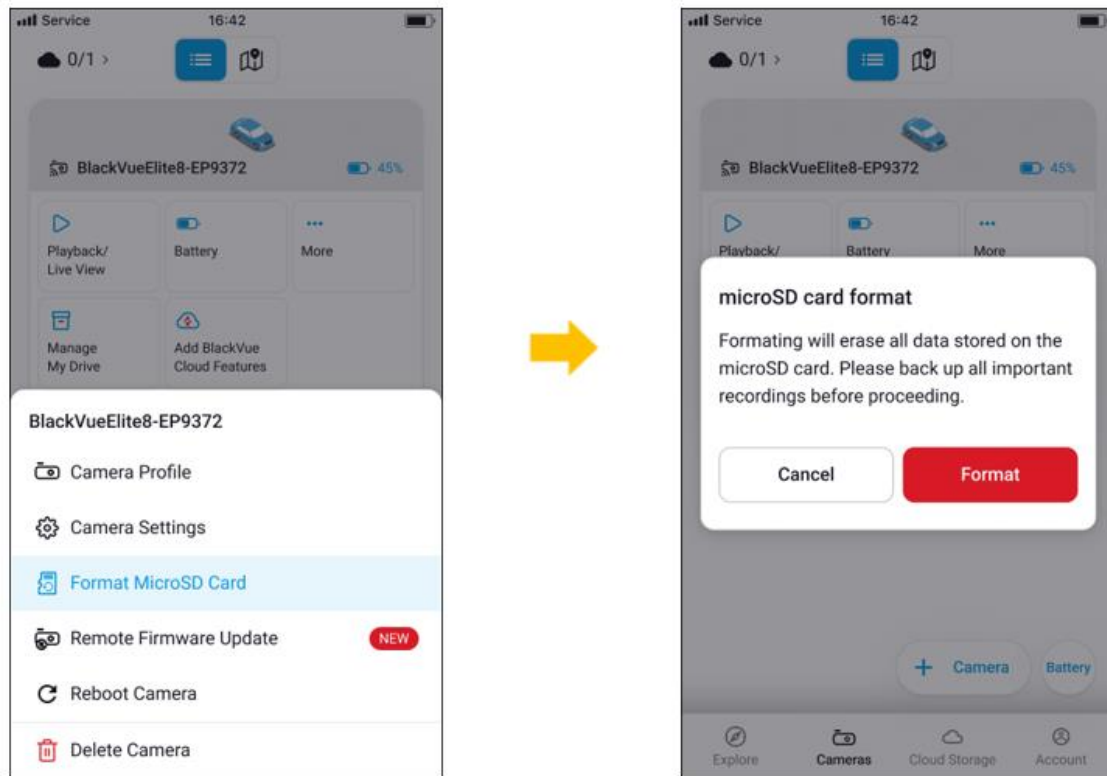
❑Format using BlackVue App(Android / iOS)

- 1) Open the BlackVue app that is installed on your smartphone.
- 2) Select More in the navigation bar.
- 3) Select  option above the 'More' menu. (If your dashcam is not already added on the app, refer to 'Connecting your smartphone to BlackVue app' and add your camera to the list).



4) Select Format SD card and tap format.

Formatting requires a connection between the dashcam and Wi-Fi. Make sure the dashcam is nearby to establish the Wi-Fi connection.



5) Your BlackVue dashcam will initiate microSD format.

□ Note

*Formatting the microSD card once a month is recommended.

*Format the microSD card if the recorded video quality appears to be poor.

*Only use official BlackVue microSD cards. Other cards may have compatibility issues.

PittaSoft Co., Ltd. will not be held responsible for any problems caused by using another manufacturer's microSD card.

*For Windows users: To format the microSD card directly from "My Computer", right-click the microSD card drive and select Format. Select File system as FAT32 and Allocation unit size as 64KB then click Start. If FAT32 is not available or can't be selected, please format the microSD card using BlackVue Viewer.

Firmware Update

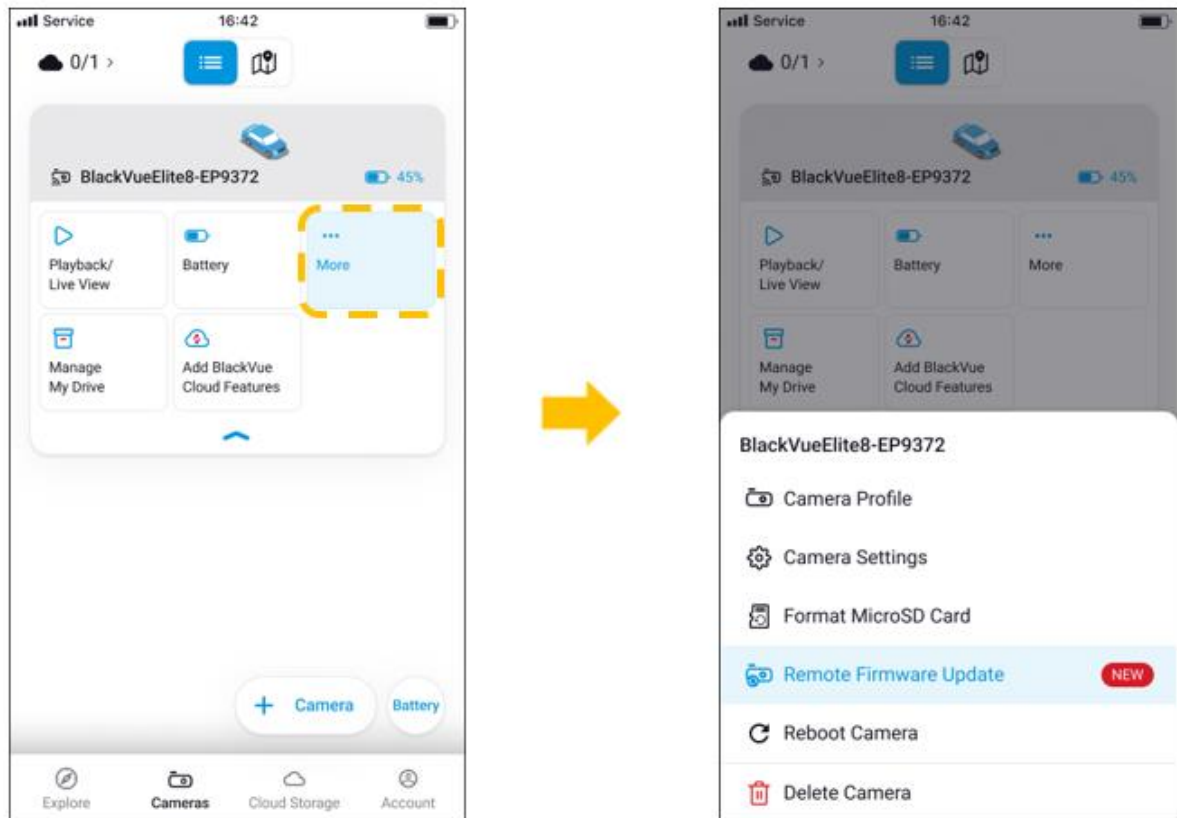
Keep your dashcam up to date for the best performance and latest features.

Firmware updates are available at www.blackvue.com > Support > Firmware Download.

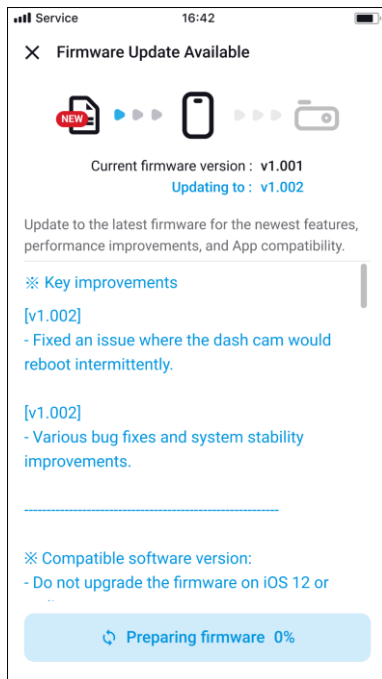
Your settings will stay just the way you left them.

□ Upgrading the firmware using an iOS or Android device

- 1) Open the BlackVue app
- 2) Tap the **More**  button at the top of the camera card you want to update.
- 3) Tap on **Remote Firmware Update**.

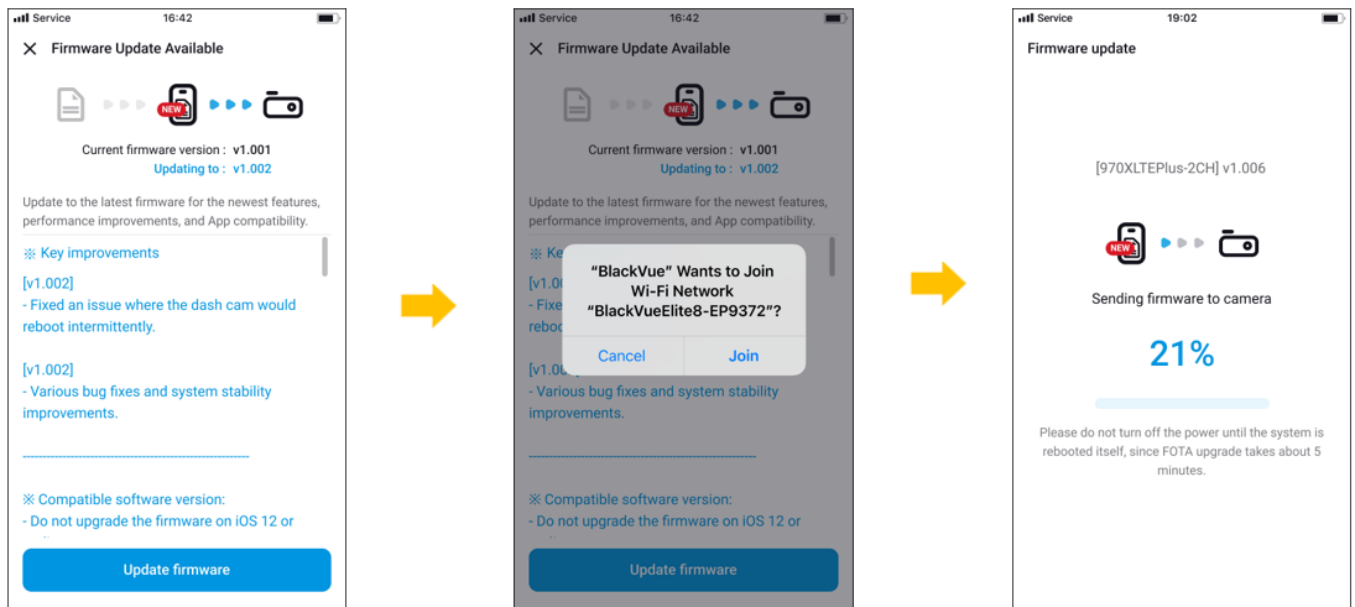


4) Check the firmware version, release notes, and tap **'Firmware Update'** to start downloading.



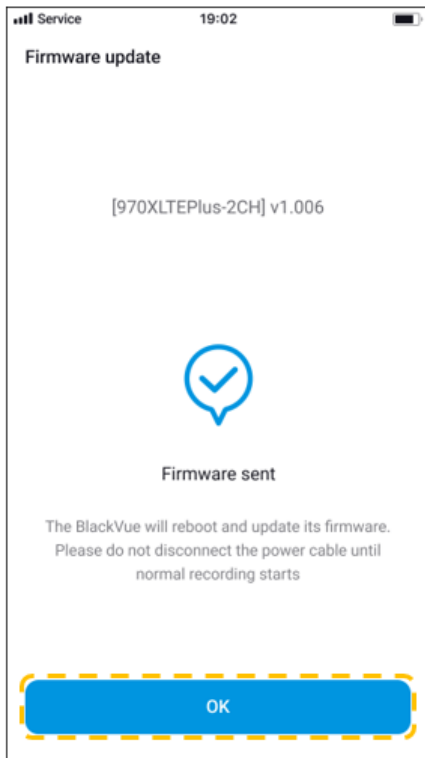
5) After download completes, tap firmware update to apply the firmware upgrade. Make sure your BlackVue dashcam is on and nearby.

6) Tap '**Update Firmware**' in the app and send the upgraded firmware from your phone to the dashcam as instructed.



7) In the pop-up window, tap '**Join**' to transfer the firmware to the dashcam. This process may take some time. Please wait patiently.

8) When you see the message 'Firmware sent' on the screen, tap "**OK**" at the bottom to complete the upgrade.



❑ **Caution**

Please make sure the dashcam is powered on until normal recording starts after the upgrade is complete. Any power interruption may prevent the firmware upgrade from completing, resulting in malfunction of the dashcams.

❑ **Upgrading the firmware using computer(Windows / macOS)**

Keep your BlackVue dashcam running at its best with the firmware. Visit www.blackvue.com to check for the newest firmware available for your model and enjoy improved features and performance.

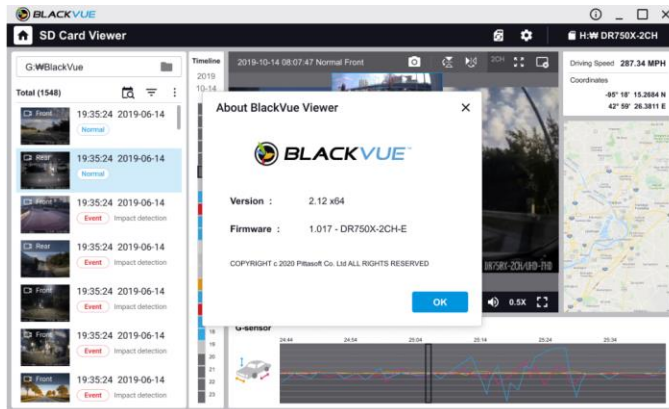
1) Format the micro SD card.

1) Insert the microSD card to a computer.

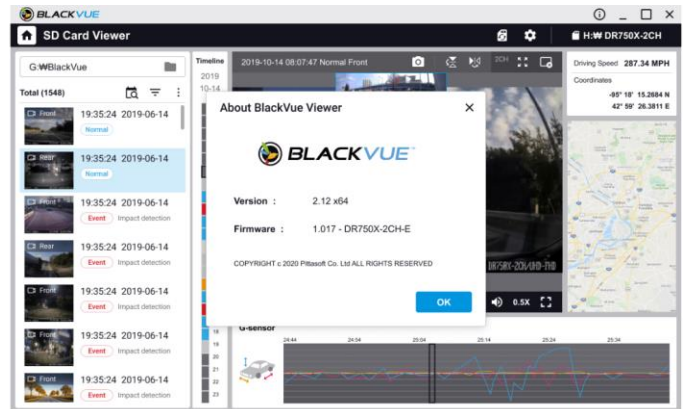
2) Launch BlackVue viewer.

3) Select the SD card viewer and click on the About()...button and check your firmware version.

*For Mac User, click  **BlackVue Viewer** and select BlackVue from the menu.



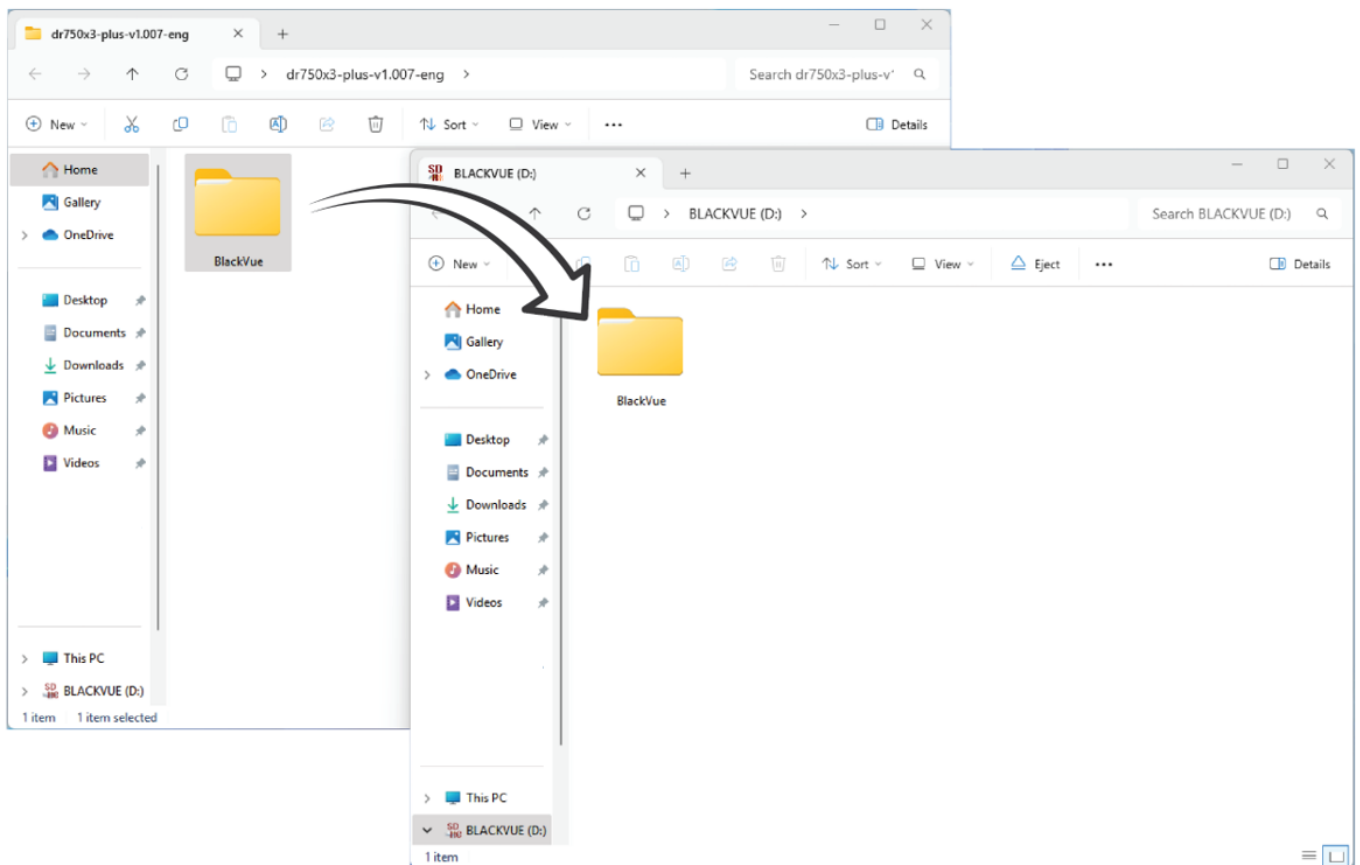
Windows



macOS

5) Go to the Blackvue website(www.blackvue.com>Support >Firmware Download) and download the latest firmware for your BlackVue dashcam model in zip format.

6) Unzip the downloaded file and copy the BlackVue folder to the microSD card.



7) Insert the microSD card into the dashcam and connect the power to initiate the firmware upgrade. Make sure the power remains on until the upgrade is completed. Any power interruption may prevent the firmware upgrade from completing, resulting in malfunction.

Note:

*Do not insert or remove the microSD card when the dashcam is turned on. Doing so may damage the data and cause a malfunction of the microSD card.

*Your saved settings are not affected by firmware upgrade.

*The firmware is upgraded to the previously saved language.

9. Specifications

Model name	ELITE9-1CH, ELITE9-2CH , ELITE9-2CH IR
Color/Size/ Weight	Front : Black(Point color: Rose Gold)/ Width: 129.7mm x Height 55.3mm/ 195g(0.451lb) Rear : Black/ Width: 29mm x Height 39.1mm/ 38.8g(0.08lb)
Image Sensor	Front : Sony Starvis2 (Approx.8 M Pixel) Rear : Sony Starvis2 (Approx.5 M Pixel)
Lens	Front : F/1.7, 7G+1IR Rear : F/2.0, 6G+1IR
Viewing Angle	Front : Diagonal 146° , Horizontal 125°, Vertical 68° Rear : Diagonal 142° , Horizontal 118°, Vertical 62°
Resolution / Frame Rate	Front: 4K UHD@30fps Rear: 2K QHD@30fps
HDR	Front & Rear(Dual HDR)
Video Codec	H.265 (HEVC), H.264 (AVC)

Image Quality	Extreme, High, Medium, Low
Memory	BlackVue microSD Card (64GB / 128GB / 256GB / 512GB / 1TB)
LED Indicator	Front: Recording LED, GPS LED, APP & CLOUD LED Rear: Rear Security LED
Smart Event Recording	Driving Impact Parking Impact Overspeed Hard Acceleration Hard Braking Hard Cornering (Including 10 sec. Pre-buffer Recording)
Parking Recording Mode	Power Saving (< 1mA) Motion detection Time-lapse
Protection System	Timer Cut-Off : 1~48H Low Voltage Cut-Off : Passenger Vehicle 11.8~12.5V or Heavy Vehicle 22.8~24V High Temperature Cut-Off: ELITE 9-1CH / 2CH : Approx. 75°C (167°F)
Format Free	Adaptive Format-Free
Event File Protection	Up to 50 event files can be protected from being overwritten

Video Format	MP4
Wi-Fi	Built-in Wi-Fi 5 (802.11a/b/g/n/ac) Supports both 2.4GHz and 5GHz bands
LTE	Not built-in / Supported by Optional LTE Module
Bluetooth	Built-in (V2.1+EDR / 4.2)
GPS	Built-in (Dual-Band : GPS, GLONASS)
Microphone	Built-in
Speaker (Voice Guidance)	Built-in
LED Indicators	Front: Recording LED, GPS LED, A/C(App/Cloud) Rear: Power LED
G-Sensor	Built-in (3-Axis Acceleration Sensor)
Temperature Sensor	Built-in
Button	Power Button Recording Button (Touch Sensor)

Supercapacitor	Built-in
Input Power	DC 12V-24V (3 pole DC Plug (Ø3.5 x Ø1.1))
Power Consumption	ELITE 9-1CH: Normal Mode(GPS On / 1CH): Avg. 320mA / 12V Parking Mode*(GPS Off / 1CH): Avg. 260mA / 12V *Power consumption is ≤1mA in Power Saving Mode.
	ELITE 9-2CH: Normal Mode(GPS On / 2CH): Avg.460mA / 12V Parking Mode*(GPS Off / 2CH): Avg. 360mA / 12V *Power consumption is ≤1mA in Power Saving Mode.
Operating Temperature	-20°C ~ 65°C (-4°F ~ 149°F)
Storage Temperature	-20°C ~ 80°C (-4°F ~ 176°F)
FREE Backup Cloud Storage	Support (1GB)
BlackVue Cloud Service	Compatible
App	BlackVue App (Android 10.0 or later, iOS 15.0 or later) FLEETA App (Android 10.0 or higher, iOS 15.0 or higher)
Software	BlackVue PC Viewer * Windows 7 or higher and Mac OS X Sierra (10.12) or higher FLEETA Web Viewer

	* Chrome (Windows), Edge, Safari (Mac)
Firmware Language	Supports 17 Languages: Korean(한국어) / English(English) / Russian(Русский) / Japanese(日本語) Simplified Chinese(中文) / German(Deutsch) / French(Français) / Thai(ไทย) Indonesian(Bahasa Indonesia) / Vietnamese(Tiếng Việt) / Spanish(Español) Italian(Italiano) / Dutch(Nederlands) / Polish / Norwegian / Finnish / Arabic(عربي)
Certifications	Front: Telec, IC(ISED), CE, FCC, RCM, RoHS, WEEE Rear: FCC, IC(ISED), CE, RoHS, WEEE

10. Support

If you experience any issues with your dashcam or need assistance, we're here to help.

□ Visit the Community Forum

Share questions, tips, and solutions with the BlackVue community.



BlackVue Community Forum : <https://forum.blackvue.com/hc/en-us>

□ Customer Service

Toll-Free (USA/Canada): +1 (844) 694-4469

Email: cs@pittasoft.com

Hours: Mon–Fri 8am–7pm, Sat 9am–6pm (PST)

RMA request

<https://media.blackvue.com/rma/>

□ For more details, visit our support page: <https://blackvue.com/customer-service/>