



DR590-1CH

Quick Start Guide



ENGLISH

www.blackvue.com

BLACKVUE

DR590-1CH

For manuals, customer support and FAQs go to www.blackvue.com

Important safety information

For user safety and to avoid property damage, read through this manual and follow these safety instructions to use the product correctly.

- Do not disassemble, repair, or modify the product yourself.
Doing so may cause fire, electric shock, or malfunction. For internal inspection and repair, contact the service center.
- Do not adjust the product while driving.
Doing so may cause an accident. Stop or park your car in a safe place before installing and setting up the product.
- Do not operate the product with wet hands.
Doing so may cause electric shock.
- If any foreign matter gets inside the product, detach the power cord immediately.
Contact the service center for repair.
- Do not cover the product with any material.
Doing so may cause external deformation of the product or fire. Use the product and peripherals in a well-ventilated location.
- If the product is used outside the optimal temperature range (-20°C – 70°C / -4°F – 158°F), performance can decline or malfunctions may occur.
- When entering or exiting a tunnel, when directly facing into bright sunlight, or when recording at night without lighting the quality of recorded video may deteriorate.
- If the product is damaged or the power supply is cut due to an accident, video may not be recorded.
- Do not remove the microSD card while the microSD card is saving or reading data.
The data can be damaged or malfunctions may occur.

FCC Compliance Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at the user's own expense.

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.

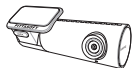
Disposal of your BlackVue dashcam



1. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities. Contact local authorities to learn about disposal and recycling options available in your area.
2. The correct disposal of your BlackVue dashcam will help prevent potential negative consequences for the environment and human health.
3. For more detailed information about disposal of your BlackVue dashcam, please contact your city office, waste disposal service or the shop where you purchased the product.

In the box

Check the box for each of the following items before installing the BlackVue dashcam.



BlackVue dashcam



Quick start guide



Power cord



microSD Card



microSD card
adapter



Cable clips (3 EA)



External GPS
(Optional)

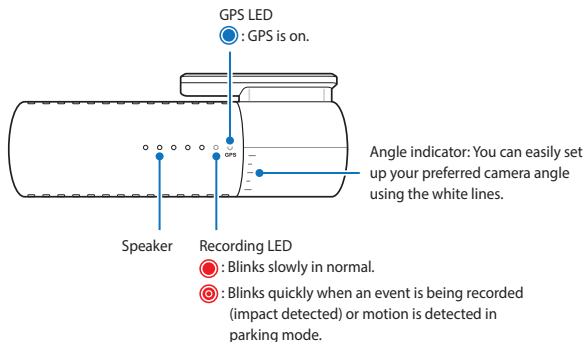
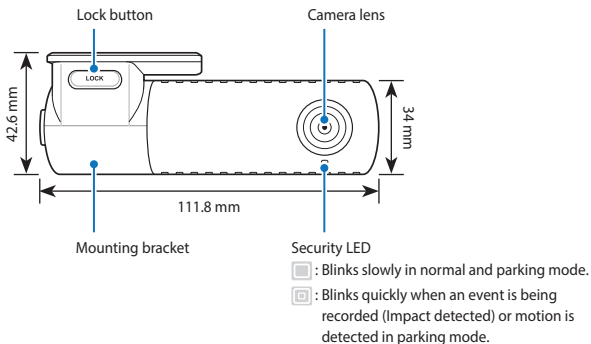
Need help?

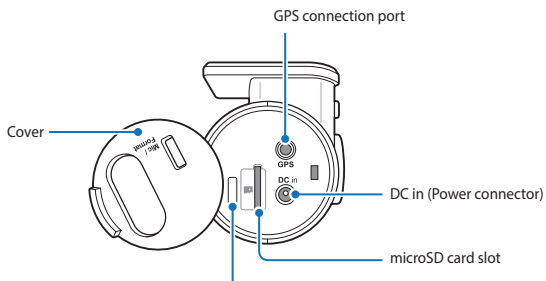
Download the manual and the latest firmware from www.blackvue.com

Or contact a Customer Support expert at cs@pittasoft.com

➤ At a glance

The following diagrams explain each part of the BlackVue dashcam.



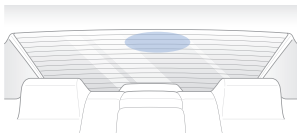


Mic / Format Button

Self-format function: To format the microSD card press the button for 10 seconds until the dashcam beeps.

STEP 1 Install and power up

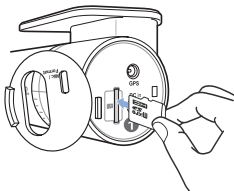
Install the front camera behind the rear view mirror. Install the rear camera at the top of the back windshield. Remove any foreign matter and clean and dry the windshield before installation.



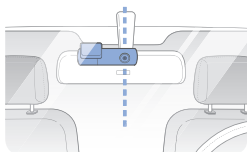
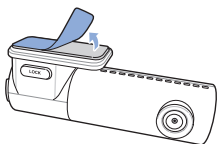
Warning

- Do not install the product in a location where it can obstruct the driver's field of vision.

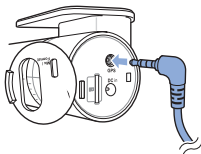
- A** Turn off the engine. Open the cover of the microSD card slot, gently push the card into the slot until it locks into place and close the cover.



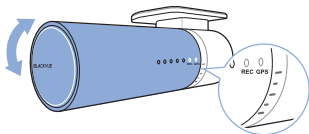
- B** Peel off the plastic film from the front camera and the lens of the rear camera. Peel off the protective film from the double-sided tape and attach the front camera to the windshield behind the rear-viewer mirror.



- C** **Optional GPS receiver:** Plug in the GPS receiver and attach it in a corner of the windshield. Tuck the cable into the windshield trim using the pry tool.

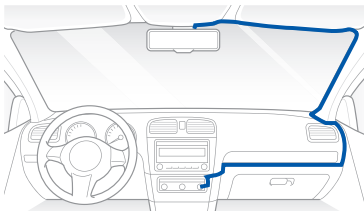


- D** Adjust the angle of the lens by rotating the body of the front camera. We recommend pointing the lens slightly downwards ($\approx 10^\circ$ below horizontal), so as to record video with a 6:4 road to background ratio.



- E** Plug the power cord into the cigarette lighter socket and the front camera.

- F** Use the pry tool to lift the edges of the windshield trim/molding and tuck in the power cord.



- G** Turn on the engine. The BlackVue dashcam will power up and start recording. Video files are stored on the microSD card. When the microSD card fills up, the newest video files will start to replace the oldest video files (called **loop recording**) – so you will always have the most recent video files.

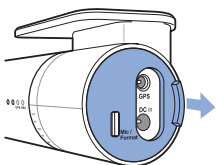


Note

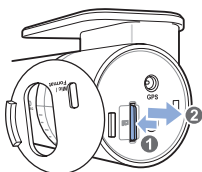
- There are 3 recording modes: Normal, Event and Parking. The dashcam starts recording in normal mode, switches to event mode when an impact is detected, and switches to parking mode if the vehicle is stationary for 5 minutes.

STEP 2 Playback

- (A) Remove the microSD card from the dashcam.

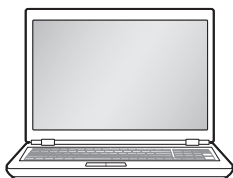


Open side cover



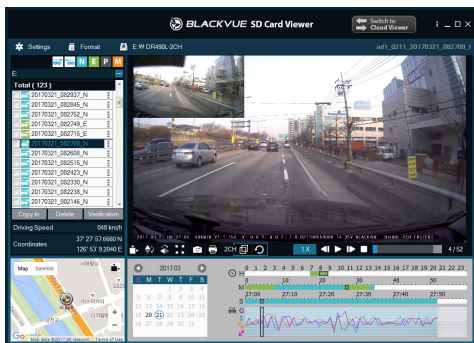
To remove

- (B) Use the included microSD card adapter to connect the card to a computer.

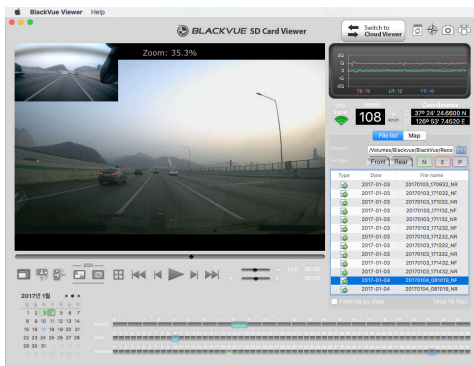


- (C) Download BlackVue Viewer from www.blackvue.com > **Support** > **Downloads** and install it on your computer.

Run BlackVue Viewer.



Windows Viewer





Mac Viewer

* All images shown are for illustration purposes only. Actual program may differ from images shown.

STEP 3 Changing dashcam's time zone and other settings.

The dashcam's time zone is initially set to (GMT-11). To display the correct time please select your time zone.

A Download BlackVue Viewer from www.blackvue.com > **Support** > **Downloads** and install it on your computer. Run BlackVue Viewer program after connecting dashcam's microSD card to your computer. Click on the  **Settings** button (Windows) or the  **BlackVue Viewer** menu (mac OS) to open the BlackVue settings panel.

B Time zone setting

If you do not connect the GPS receiver:

To manually set the time select **Manual time setting** and set your date and time.

If you are unsure of your GMT offset please look up your city on <https://greenwichmeantime.com/>

If you connect the GPS receiver:

If you run the dashcam with the GPS receiver connected, it is possible to sync with GPS time. To sync with GPS time, select your GMT time zone. The factory setting is GMT -11.

C Other settings

The settings that can be adjusted include:

- Basic: Time, Video(Resolution, Image quality, Night vision, Brightness), Recording(Normal recording, Automatic parking mode, Voice recording, Date & time display, Speed unit, Video segment length)
- Sensitivity: G-sensor (Normal mode, Paring mode), Motion detection (Parking mode)
- System: LED, Voice guidance, Volume, Scheduled reboot, Speed alert, User text overlay


Tips for optimal performance

- A** Format the microSD card once a month, or when the BlackVue dashcam tells you the card needs maintenance.


Formatting the card in the BlackVue:

Press the Mic/Format button for 10 seconds until the dashcam beeps.

Format using BlackVue Viewer (Windows):

Insert the microSD card into the microSD card adapter and connect it to your computer. Download BlackVue Viewer from www.blackvue.com > **Support > Downloads** and install it on your computer. Launch BlackVue Viewer, click the  **Format** button, select the card drive and click OK.

Format using BlackVue Viewer (macOS):

Insert the microSD card into the microSD card adapter and connect it to your computer. Download BlackVue Viewer from www.blackvue.com > **Support > Downloads** and install it on your computer. Launch BlackVue Viewer, click the  **Format** button and select the microSD card from the list of drives in the left frame. After selecting your microSD card select the Erase tab in the main window. Select "MS-DOS (FAT)" from the Volume Format drop-down menu and click Erase.

- B** Only use official BlackVue microSD cards. Other cards may have compatibility issues.
- C** Regularly upgrade the firmware for performance improvements and updated features. Firmware updates will be made available for download at www.blackvue.com > **Support > Downloads**.

Customer Support


For customer support, manuals, software and firmware updates please visit www.blackvue.com

You can also email a Customer Support expert at cs@pittasoft.com

Product specifications

Model Name	DR590-1CH
Color/Size/Weight	Black / Width 115.9 mm x Height 34 mm / 62 g
Memory	microSD Card (16 GB/32 GB/64 GB/128 GB)
Recording Modes	Normal Recording, Event Recording (when impact is detected in normal and parking mode) and Parking recording (when motion is detected) * For parking mode recording, a Parking Mode Battery Pack (Power Magic Battery Pack) or a Parking Mode Hardwiring Kit (Power Magic Pro) is required.
Camera	STARVIS™ CMOS Sensor (Approx. 2.1 megapixels)
Viewing Angle	Diagonal 139°, Horizontal 116°, Vertical 61°
Resolution/Frame Rate	Full HD (1920x1080) @ 60 fps Full HD (1920x1080) @ 30 fps HD (1280x720) @ 30 fps
Image Quality	Highest/High/Normal
Video Compression Mode	MP4
GPS	External (Optional)
Microphone	Built-in
Speaker (Voice Guidance)	Built-in
LED Indicators	Security, REC, GPS

* STARVIS is a trademark of Sony Corporation.

Button	Short press: Mic on/off Press and hold: Format microSD card
Sensor	3-Axis Acceleration Sensor
Backup Battery	Built-in super capacitor
Input Power	DC 12V – 24V (DC Plug:  (Ø3.5 x Ø1.35), MAX 1A/12V)
Power Consumption	Avg. 170mA (FHD@60fps, 2.04W at 12V, when there is no external GPS receiver) Avg. 190mA (FHD@60fps, 2.28W at 12V, when an external GPS receiver is connected) * Actual power consumption may vary depending on use conditions and environment.
Operation Temperature	-20 °C – 70 °C (-4°F – 158°F)
Storage Temperature	-20 °C – 80 °C (-4 °F – 176 °F)
High Temp. Cut-Off	Approx. 70 °C (158 °F)
Certifications	FCC, CE, RoHS
Software	BlackVue Viewer * Windows XP or higher and Mac Yosemite OS X (10.10) or higher
Other Features	Adaptive Format Free File Management System

Product Warranty

- **The term of this product warranty is 1 year from the purchase date.**
(Accessories such as Battery/microSD Card : 6 Months)
- We, PittaSoft Co., Ltd., provide the product warranty according to Consumer Dispute Settlement Regulations (drawn up by the Fair Trade Commission). PittaSoft or designated partners will provide the service upon request.

Consumer Injury			Warranty	
			Within the Term	Outside of the Term
For performance/functional problems under normal use conditions	For serious repair required within 10 days of purchase		Exchange/Refund	N/A
	For serious repair required within 1 month of purchase		Exchange	
	For serious repair required within 1 month of exchange		Exchange/Refund	
	When not exchangeable		Refund	
	Repair (If Available)	For Defect	Free Repair	Paid Repair/ Paid Product Exchange
		Repeated problem with the same defect (up to 3 times)	Exchange/ Refund	
		Repeated trouble with different parts (up to 5 times)		
	Repair (If Unavailable)	For the loss of a product while being serviced/repaired	Exchange/ Refund	Refund after depreciation plus an additional 10% (Maximum: purchase price)
		When repair is unavailable due to lack of spare parts within the component holding period		
		When repair is unavailable even with spare parts are available		Exchange/Refund after depreciation
1) Malfunction due to customer fault <ul style="list-style-type: none">- Malfunction & damage caused by user negligence (fall, shock, damage, unreasonable operation, etc) or careless use- Malfunction & damage after being serviced/repaired by an unauthorized third party, and not through Pittasoft's Authorized Service Center.- Malfunction & damage due to the use of unauthorized components, consumables, or separately sold parts 2) Other Cases <ul style="list-style-type: none">- Malfunction due to natural disasters (fire, flood, earthquake, etc.)- Expired life span of a consumable part- Malfunction due to external reasons			Paid Repair	Paid Repair

- This warranty is only valid in the country where you purchased the product.

Notes



Product | Car Dashcam
Model Name | DR590-1CH
Manufacturer | Pittasoft Co., Ltd.
Address | 7F, BYC HIGHCITY Building A 131, Gasan Digital 1-ro,
Geumcheon-gu, Seoul, Republic of Korea, 08506
Customer Support | cs@pittasoft.com
Product Warranty | One-Year Limited Warranty

 facebook.com/BlackVueOfficial

www.blackvue.com

Made in Korea

COPYRIGHT©2017 Pittasoft Co., Ltd. All rights reserved.