

ROVETM R3

3-Channel Touch Screen Dash Cam

PLEASE READ

USER MANUAL



3-CHANNEL
RECORDING



DUAL BAND
BUILT-IN-WIFI



BUILT-IN-GPS



Smart & Beautiful
ROVE APP For
iOS & Android

www.rovedashcam.com

ROVETM
INNOTECH

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TRUTH BE TOLD



EXPERIENCING PROBLEMS?

- ▶ Item NOT as described?
- ▶ Damaged or defective?
- ▶ Missing items?
- ▶ Any issues what so ever?

CONTACT US BEFORE RETURNING THE ITEM

WE WILL HELP YOU RESOLVE ANY ISSUES ASAP.

CUSTOMER SERVICE

Hours: Mon - Fri 9am-5pm PST

EMAIL US



Response in just 6 hours
help@rovedashcam.com

TEXT US



For faster response text us
1 (401) 484-ROVE(7683)

Scan the QR Code to Email US



Scan the QR Code to Text US



Just Scan the QR Code with your iPhone or Android's Camera to get in touch with us.

www.rovedashcam.com

WATCH HOW TO VIDEOS

Visit our website

www.rovedashcam.com/pages/videos



Understanding ROVE R3

Watch HOW-TO VIDEOS to learn & understand all the features so you can get the maximum benefit out of it.

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INTRODUCTION
























Thank you for purchasing ROVE R3 3-Channel Touch Screen Dash Cam (Front 1440P + Cabin 1080P + Rear 1080P). This product provides high-quality image capture and irrefutable evidence for what goes on from your dashboard's perspective. Rove R3 Dash Cam is a Smart, High-End, very elegant, convenient, and durable multi-vehicle driving recorder.

PRODUCT OVERVIEW

This product is an Ultra HD Digital Vehicle Black Box Recorder. It is equipped with HiSilicon Hi3559V200 Chipset + ULTRA-HD 1440p @30fps OmniVision IS05A10 5M CMOS Sensor for the front camera and 1080p @30fps SONY iMX307 Starvis 2M CMOS Sensor for cabin and rear camera for excellent low light sensitivity and high dynamic range, which allows you to record continuous, high-quality video playbacks and brings phenomenal Ultra-HD resolution videos even at night. There are four hidden IR LEDs around the lens of the cabin camera. IR LEDs illuminate images in the dark. During night driving, inside the car is entirely dark, therefore IR LEDs will help you capture video in IR night vision details inside the cabin.

Moreover, it has advanced built-in dual band 5.0 & 2.4 Ghz Wi-Fi, built-in GPS, G-Sensor, Audio recording, Loop cycle recording, Parking mode, Touch Screen LCD screen, and USB 2.0 Type-C. Compared to most dash cameras, this exclusive product design provides an elegant appearance, packed with top-rated unique features, records amazing, unbeatable videos, and is very easy to use.

FEATURES

-  3-Channel Dash Cam
-  Screen Saver
-  3" IPS Touch Screen
-  G-Sensor
-  1440P + 1080P + 1080P
-  Built-In Digital Image Stabilization
-  Built-In GPS
-  Lifetime Customer Support
-  Supercapacitor
-  1-Year Warranty
-  24-HR Parking Monitor
(HWK Required - Not Included)
-  Built-In Speaker & Microphone
-  Loop Recording
-  Built-In Dual Band 5.0 & 2.4 GHz WiFi
-  Supports up to 512GB Micro-SD Card (Class 10, U3 Speed Only-Not Included)
-  WDR - Wide Dynamic Range
-  Distortion Correction
-  Custom Designed Beautiful Software
-  Beautiful ROVE APP for iOS & Android Devices
-  H.265 & H.264 Video Compression
-  150° Front, 140° Cabin & Rear Cam Wide Angle
-  Super Night Vision
-  Time-Lapse Video

USER AGREEMENT

By purchasing ROVE Dash cam, it is assumed that by default you agree with precautions, user warnings and all the terms & conditions of warranty. If for any reason you do not agree with any of the terms mentioned in this manual, then you may return the product in its original packaging unused within its return window for a full refund.

PRE-CAUTIONS

Please read this manual very carefully before using the camera or installation and keep it safe for future reference. It will be helpful if you have any questions or encounter any operational problems.

WARNINGS

Failure to comply with safety warnings and regulations can result in serious injury or death.

Please read and understand all instructions before using this product. If any damage is caused by failure to follow the instructions, the warranty will be voided.

- Do not expose this product to rain, moisture or water under any circumstances or it will result in external or internal damage.
- Do not put the unit in a damp environment. This device is not designed to be damp proof.
- Do not try to open the cover or try to repair it yourself. If the accessories for this device have any problem, please contact the seller for assistance.
- Don't install it where it will block the driver's view of the road including mirrors or the deployment of airbags.
- Do not place the camera loose on top of the dashboard or in-front of the air bags.

- Do not mount the camera where it can be a distraction if it became loose and fall off the windshield while driving.
- Do not expose this device to an excessive heat, dust or use any chemical substance or cleaning solvent to clean this device.
Instead use soft moist cloth for cleaning.
- Pay careful attention when cleaning the lens surface. Use a soft, moist cloth to clean the lens to avoid scratches which may compromise video quality.
- Removing the camera from the vehicle when not in use is recommended. This prevents likelihood of theft or exposure to excessive heat to prevent damage to unit.
- Do not operate or install the camera while driving, or attempt to change any setting etc. Pull off the road first and only do so when it is safe.
- Do not drop, puncture or disassemble this product.
- Do not use the charger if the cord is broken or damaged. Keep out of reach of children.
- Do NOT connect the camera directly to your vehicle's 12V/24V battery. You must use ROVE's provided USB Car charger or hardwire kit (sold separately) to provide power to the dash cam.
- Use only supplied ROVE's USB Car Charger or ROVE R3 hardwire Kit and power cables to power the ROVE R3 dash cam.
- Do not leave the camera in the direct sunlight for a long period of time or where temperature could go above 140°F (60°C).
- This is NOT a toy. Keep away from children.
- For indoor use ONLY. This camera is intended to use inside motor vehicle.

- **Memory Card:** Before inserting the external memory card, make sure to inspect the memory card for physical damage or cracks. Do NOT use the memory card that shows the sign of physical damage or cracks, as it can cause short-circuit and burn the memory card, hence damaging the camera, and if you touch the memory card, it can cause burns while removing it.
- *Some countries or USA states prohibit drivers from mounting anything on windshield or prohibit mounting on certain area of the windshield. It is owner/operator's responsibility to mount or use of this device in compliance with local laws.*
 - *The company is NOT responsible for the loss of any data or your content during operation or in any circumstance.*



Getting Started

OUT OF THE BOX INSTRUCTIONS

Please read and understand warnings & safety instructions before operating.

- 1 Make sure to always keep the camera plugged into the power during its operation as ROVE R3 uses Supercapacitor (NOT an internal battery) You can plug the camera into your home's 110V outlet during set up. For the power you can use your cellphone's USB charger and included USB Type-C Cable. Just make sure that the USB charger has a 5V, 2AMP power output (Max 3.5AMP), otherwise the camera will not work properly)
- 2 You will need to insert a memory card before you can start recording. Please insert only a brand name Class-10, U3, or higher speed Micro-SD card up to 512 GB max for reliable operation. (Memory card is NOT included in the packaging)

- 3 The camera will prompt you with the initial set up flow which will guide you to **FORMAT** your memory card for the first time and help you set the date and time. Once you go through the initial set up flow, you can always customize your dash cam by going into the settings menu. (See Page 33)
- 4 ROVE R3 Car dash cam is programmed to turn **ON** and **START RECORDING** automatically when it receives power, and **STOPS RECORDING**, save the last video file and turns **OFF** automatically when power gets disconnected within 1-2 seconds. (i.e., when you start / turn off your car)
- 5 **How to hide power cable inside your car's dash board?**

Many people on YouTube already demonstrated how and where to hide power cable inside your car. You can view one of the possible ways on the link, this video is NOT recorded by us.

<https://bit.ly/r3hidecable>



- 6 **How to transfer videos to PC/MAC?**

Insert the memory card directly to your PC/MAC to view or download them. You can also connect your camera to your PC/MAC with the included Type C USB Data cable. Then Select Connect as a USB Flash Drive. We recommend VLC Media Player to view your videos. You can get it free at www.videolan.org

NOTE:

Do not use Windows Media or QuickTime Player. They are not made to play High Bitrate videos; hence, your video playback will lag.

- 7 **Wi-Fi:** You can also connect ROVE R3 Car Dashcam to your smartphone directly using a built-in Wi-Fi feature and ROVE APP for iOS/Android. (See Page 36)
- 8 **RESET:** There is no reset button for ROVE R3. If your dash cam ever get stuck on any screen or does not respond for any reason, then simply un-plug & re-plug the power cable to reset the dash cam.

i NOTE:

You shouldn't have to do this, but if you use a slow speed memory card or wrong memory card, then the camera might not work properly due to slow/bad memory card.

CAMERA SPECIFICATIONS

Chipset / Sensor	HiSilicon Hi3559V200 / OmniVision OS05A10 5M CMOS Sensor (front camera) and SONY iMX307 Starvis 2M CMOS Sensor (cabin and rear camera)
LCD Screen	3" IPS Touchscreen LCD Screen 640x360
Lens	150° front, 140° cabin, and rear.
Video Resolution	<p>Front + Cabin + Rear 1440P + 1080P + 1080P 30FPS (Default) 1080P + 1080P + 1080P 30FPS 1080P + 1080P + 720P 30FPS 1080P + 720P + 1080P 30FPS 720P + 720P + 720P 30FPS</p> <p>Front + Cabin 2160P + 1080P 25FPS, 1440P + 1080P 30FPS 1080P + 1080P 30FPS, 1080P + 720P 30FPS 720P + 1080P 30FPS, 720P + 720P 30FPS</p> <p>Front + Rear 2160P + 1080P 25FPS, 1440P + 1080P 30FPS 1080P + 1080P 30FPS, 1080P + 720P 30FPS 720P + 1080P 30FPS, 720P + 720P 30FPS</p> <p>Front 3840 x 2160P 30FPS, 2592 x 1520P 30FPS 2560 X 1440P 30FPS, 1920 x 1080P 30FPS 1280P + 720P 30FPS</p>
Lens Aperture	F/1.4 Front camera and F/1.8 for cabin and rear camera
GPS	Built-in GPS Geo-Tagging Support
WiFi	Dual Band 5.0GHz & 2.4GHz WiFi
Video Format	MP4
Video Bit Rate	High Bit Rate
Audio	48Khz High Bit-Rate Audio, Great for podcast or professional in car video recording.

Memory Card	TF Card Class 10, U3 Speed, Max Support 512 GB (We recommend ROVE Ultimate Micro-SD Card)
G-Sensor	Built-in 3-Axis Impact Accelerometer Gravitational Sensor to lock & protect current video.
Anti Flicker	60 Hz, 50 Hz
Voice Guidance	Support
Distortion Correction	Support
Digital Image Stabilization	Built-In
Loop Recording	Support – seamless recording
24hr Auto Trigger Parking Mode	Support (HWK Required-Purchase Separately)
Year/Month/Day/Hour/ Minute/Second	Support
Mic / Speaker	Built-in Micro Phone & Speaker
Auto Power ON/OFF	Support
Power Interface	5V, 2A
Power Reserve	Supercapacitor
Temperature Guideline	Operating Temperature -10°C-55°C Operating Temp. Humidity 15%~60% RH Storage Temperature -20°C-70°C

PACKAGE CONTENTS



ROVE R3 Primary Dash Cam
(Front & Cabin)



Windshield 3M Sticky Mount



12 FT Type-C USB Power Cable
(For Primary Dash Cam)



4.8 AMP Dual USB FAST Car Charger



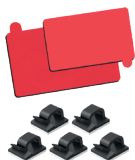
ROVE R3 Rear Dash Cam



6M Type-C USB Rear camera Cable



1M Type-C USB Data Cable



Spare 3M Sticky Tapes
& 5x Cable Clips



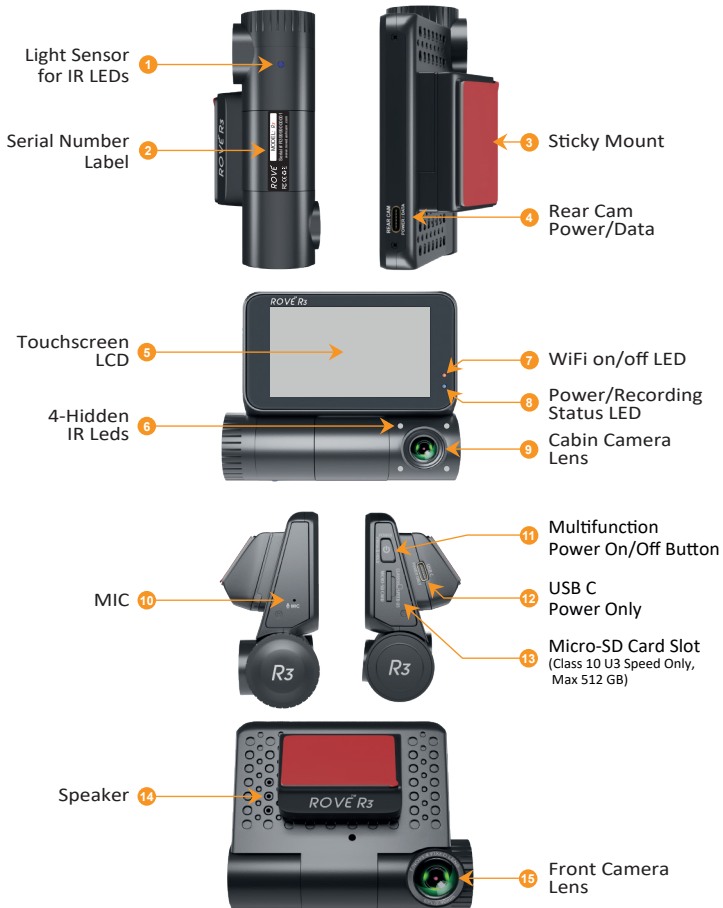
4x Electrostatic Films,
2x Alcohol pads & Car wiring Tools



Quick Start Guide
& User Manual

PLEASE NOTE: Memory Card is NOT Included. We Recommend ROVE Ultimate Class 10, U3 Speed Micro-SD Card, Up to 512GB

UNIT STRUCTURE APPEARANCE & BUTTON



INSTALLATION

The camera comes with the default settings which allows you to start using your camera right out of the box without changing any settings. Make sure to format the memory card before first time use.

- 1 First, turn OFF the car's engine.
- 2 Measure and decide the applicable installation area using the dash cam's view finder before you start installing the dash cam. Look at the front + cabin camera's video location by temporarily holding the dash cam on the windshield and make sure you like the installation spot of your choice before proceeding. Most people installed their ROVE R3 next to the rearview mirror and opposite side from the driver.



Why use electrostatic film?

We strongly suggest that you use the included electrostatic film before placing the sticky mount on your car's windshield. Electrostatic film is designed to give you a clean removal of your 3M sticky mount. If you ever need to remove the 3M Mount, then you can simply peel off the electrostatic film off the windshield for an easy and clean removal.

- 3 Now thoroughly clean the applicable area using the included cleaning pad and let it air dry.



⚠ CAUTION:

Do NOT touch the area after cleaning, or finger grease will not allow the electrostatic film to create a strong bond with your windshield.

- 4 Now peel off the “Step 1” side of the electrostatic film & apply the exposed static side to the windshield. Apply pressure to the film, Use credit card to slide and remove any air bubbles for the strong bond with the windshield.

⚠ CAUTION:

After you peel off the top film, do NOT touch the applicable side of the electrostatic film with fingers to test it. It is charged with electric particles to create static bond. No need to touch it to test how strong it is. 😊



Avoid this dot-matrix pattern as the electrostatic film will NOT stick properly over the bumpy pattern.

i NOTE:

When applying the electrostatic film on the car's windshield, avoid the car's dot matrix pattern for the sun block. Once you apply “Step 1” side to the windshield, before removing the “Step 2” side of the electrostatic film, ensure all the bubbles are removed properly by using the credit card to slide them out. Now do NOT peel the back side of the electrostatic film yet. Wait until you are ready to apply the 3M Sticky Mount in the middle of the electrostatic film.

- 5 Now, let's make sure the 3M Mount is fully secured and locked in place. Make sure there is NO Gap (See photo below)



 **Right**



 **Wrong**

 **IMPORTANT:**

Attach the sticky mount to the front/main camera securely and ensure that it doesn't have a gap in between (as seen in the photo above). Otherwise, the camera will have a power supply (Rebooting) or NO GPS signal issue.

- 6 Now, let's peel off the back side of the electrostatic film's cover, do NOT touch the middle where you will be sticking the 3M tape/ROVE R3 mount.



- 7 Now, carefully peel off the RED side of the 3M film from the mount side (and again, making sure NOT to touch the glue with fingers). Then gently stick the front camera on the windshield over the electrostatic film. Then use both hands to apply even pressure to the camera from both sides for about 30 seconds. This should create a proper bond between 3M Sticky-Mount & mount to windshield over the electrostatic film, and adjust the view angle accordingly.



Apply pressure
toward the
windshield.

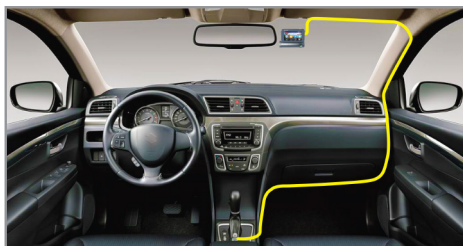
⚠ IMPORTANT:

Please ensure the camera's field of view (lens) is NOT overlapping the electrostatic film. otherwise, your video will look blurry.

- 8 Connect the 12FT USB Type-C Power Cable for front camera into the sticky windshield mount.



- 9 Use the included wire trim tool and run the cable along the edge of the windshield, tucking it away in the seams and extend it to the USB port of the car charger.



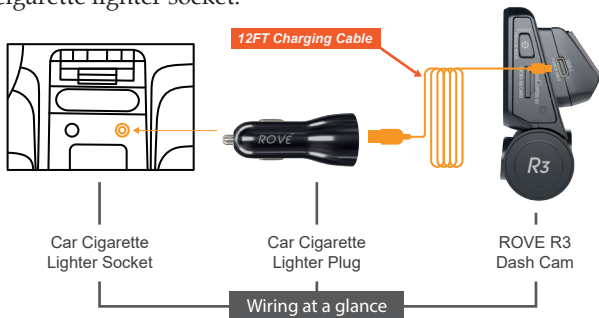
NOTE:

Make sure that the camera's view is not obstructed by any window tint or any other objects.

WARNING:

If your vehicle has side curtain airbags, please be very careful when running any cables along with your vehicle windows. Ensure you are not running cable past any of the airbags as this can prevent the airbags from deploying.

- 10 Plug in the included ROVE's USB car charger into your car's cigarette lighter socket.



- 11 Install the rear camera at the rear window. Before attaching the rear camera in the rear windshield, thoroughly clean the rear windshield using included cleaning wipe, and let it air dry.



- 12 Apply the static film to the rear windshield and use a credit card to remove all the air bubbles.



NOTE:

If your vehicle has defroster lines in the back, pick a spot where those lines are further away to create a strong bond. Rarely it is NOT possible to apply electrostatic film successfully as some cars might have too rigid and closer defroster lines, and in this case, the electrostatic film will NOT work for you.

Most of the time, this is not an issue, as many customers have already applied electrostatic film over the defroster lines successfully.

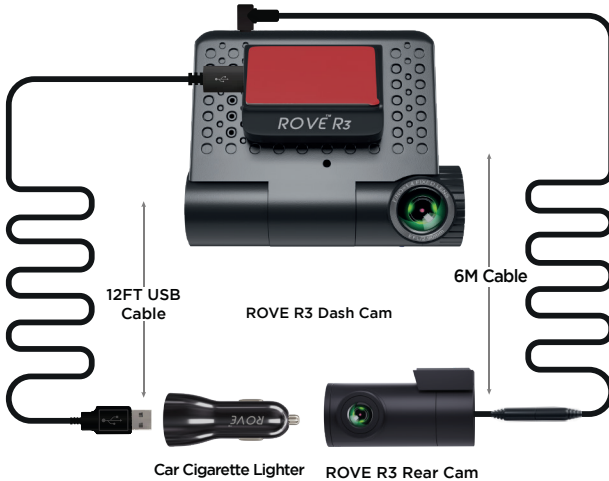
- 13 Securely attach the Rear Camera to the rear windshield on top of the static film, and adjust the viewpoint.



- 14 Now, connect the rear cam 2.5MM Jack cable properly. See the photo below for reference. You must create a proper and strong connection, as shown below.



- 15 Check the complete wiring at a glance diagram below to ensure everything is connected properly.



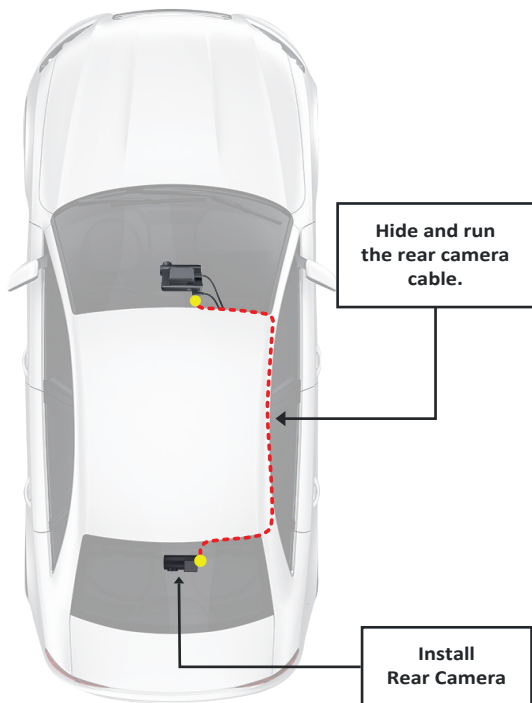
⚠ IMPORTANT:

Make sure that you align and properly connect the rear camera cable properly. Otherwise, the front/main camera will not be able to detect it.

- 16 Now tucking up and routing all the front + rear camera cables neatly. See the rear camera's wiring diagram on the next page.



Rear camera wiring diagram



DISCLAIMER:

This diagram is provided for informational purposes only and is intended as a general diagram of rear camera wiring. Read all the warnings/precautions in the Main Camera's User Manual before installing the rear camera.

NOTE:

The rear camera is NOT waterproof. Therefore it is only designed to be mounted inside the vehicle.

- 17 Plug the rear camera's cable into the front camera's rear connecting port. Push it gently until you hear a clicking sound to make sure that it is connected securely.



NOTE:

Make sure only to plug in the rear camera when the main (front) camera is turned OFF; otherwise, it may damage the rear camera.

- 18 Adjust the lens angle of the front, cabin, and rear cameras accordingly.
- 19 Start the car's engine and check if the dash cams are working correctly.

NOTE:

After a test drive, check and make sure if all the videos are recorded correctly.

TURNING ON/OFF YOUR CAMERA

Auto Power ON/OFF

- Auto Power ON: ROVE R3 Dash Cam is designed to turn ON and start recording automatically when it receives power. i.e., when the car engine is started.
- Auto Power OFF: The camera is also pre-configured to save that last video safely and turn itself OFF automatically within few seconds when the power gets disconnected, i.e., when the car key is turned to LOCK position.

Manual Power ON/OFF

- To manually turn ON: Press and HOLD the power button for approximately 10-12 Seconds until the camera turns ON.
- To manually turn OFF: Press and hold the power button for Approximately 4-5 Seconds until the camera turn OFF.
- The best and faster way to turn the camera on/off is to just plug/unplug the power cable.

CAUTION:

Some trucks/car's 12V cigarette outlet is always HOT, which means it provides constant power even when the car is turned OFF and LOCKED. If this is the case for your vehicle, then the auto ON/OFF feature will not work. And If you leave the camera continuously recording when the car is turned off, then it will drain your car/truck's battery and you might not have enough power to start your car for next time. To Remedy this situation, you can do one of the two option.

- Hardwire your dash cam to your car's fuse box with ROVE'S 3-Lead Auto Trigger Hardwire Kit.

Visit "www.rovedashcam.com" to purchase one separately.

- Change the connection in the fuse box for your 12V outlet to socket which only supplies power when car key is turned to ACC or ON position.

ABOUT SUPERCAPACITOR

IMPORTANT INFO

First, understand that all dash cams, regardless of which brand the user uses, they either have very small Li-ion batteries (i.e., ROVE R2-4K) or built-in Supercapacitor (i.e., ROVE R1 & R3 model) to save that last video file safely before shutting off the dash cam, in case if the power gets disconnected due to accident and also during daily turning off your vehicle.

Now, all dash cams must be plugged into the power at all times for continuous recording, regardless of which brand you will purchase. ROVE R3 uses a Supercapacitor instead of a small internal battery.

MAIN BENEFIT

The main benefit of using a supercapacitor in a dash cam is that it drastically increases the product's life span compared to internal battery dash cams, which are only good for as long as the internal battery lasts. You can't even replace the internal batteries easily as they are built-in. Therefore super capacitor dash cams lasts you for years and they do not pose a risk of fire compared to Li-Ion battery dash cams.

The secondary benefits of supercapacitor dash cam are as follows:

- Supercapacitor is more reliable because it is more heat resistant compare to Li-ion batteries.
- Supercapacitors don't pose a risk of fire compared to Li-ion batteries.

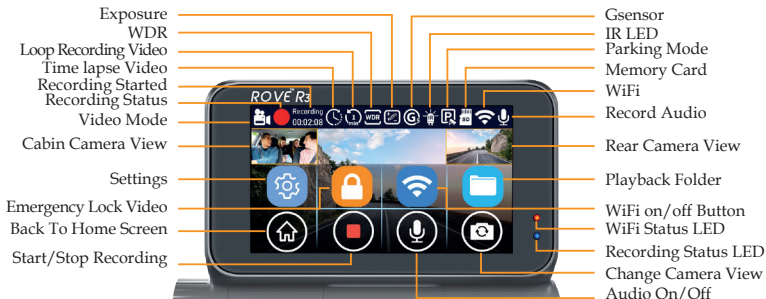
HOW DOES SUPERCAPACITOR WORK?

- A capacitor uses conductive plates with an insulating barrier (dielectric) in between them. The dielectric stops the electrical current entering the capacitor, and this builds up a charge which is stored between the plates.
- It charges faster than a battery. The amount of charge a capacitor can hold depends upon its capacitance or the charge storage capacity.
- ROVE R3's Supercapacitor will hold the charge for about 2 seconds.

WHY SUPERCAPACITOR?

ROVE R3 dash cam uses a supercapacitor, making it a unique, reliable dash cam on power consumption and safety. Moreover, it is more resistant to heat, unlike batteries, and it extends the overall product life span of the camera.

HOME SCREEN



Home Screen Status Icons

ICONS	WHAT DOES IT MEAN?
	Video Mode
	Start Recording
	Stop Recording
	Recording Started
	Time lapse Video
	Loop Recording Video
	WDR
	WDR OFF
	Exposure
	Gsensor
	IR LED
	IR LED OFF
	IR LED Automatic

ICONS	WHAT DOES IT MEAN?
	Parking Mode
	Parking Mode OFF
	Memory Card
	NO Memory Card
	Memory Card Error
	WiFi
	WiFi OFF
	Microphone ON
	Microphone OFF
	Home Screen
	Change Camera View
	Emergency Video Lock

LED STATUS LIGHT INDICATOR








SOLID RED LED - WiFi is turned ON

NO RED LED - WiFi is OFF

SOLID Blue LED - Camera is ON but NOT Recording

Blinking Blue LED - Camera is ON and Recording

DIFFERENT SCENARIOS

 When Camera Is Plugged Into The POWER		
 + 	Solid	Camera is ON, (Video NOT recording) and WiFi is ON
	Solid	Camera is ON but NOT Recording
	Blinking	Camera is ON and Recording
	Solid	WiFi is turned ON

INSERTING / REMOVING A MICRO SD CARD

- Must use only Brand Name, Class 10, U3 speed or higher speed Micro-SD card. Max support up to 512GB.
- We recommend ROVE Ultimate Class 10, U3 Speed Micro-SD card. You can purchase it from Amazon.
Search for “ROVE Ultimate Micro SD Card”

**1 TO INSTALL**

First, make sure the camera is turned OFF. Then align the memory card's gold contacts facing towards the IPS touch screen of the camera.

Insert the memory card halfway in, then use your fingernail or a paper clip to push the card all the way inward until it clicks and locks in place.

⚠ CAUTION:

- ▶ Do not insert/remove the Micro-SD card while the camera is turned ON.
- ▶ Otherwise it may cause memory card to be write protected and possible loss of data or damage your memory card. Always remove/insert memory card while camera is turned OFF

2 TO REMOVE

To remove the Micro-SD card, gently push its edge inward until it clicks and pops out, and then simply pull it out of the slot.


⚠ IMPORTANT:

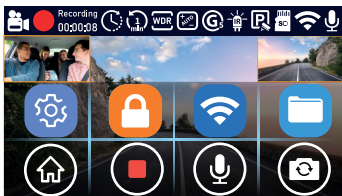
If you experience camera FREEZING or LAGGING or STOPS Recording after few seconds. Then It is the issue of the MEMORY CARD. (NOT THE CAMERA ISSUE) - Please Contact US.

ROVE R3 Dash Camera is High Bit-Rate Video recording device. Which requires High Speed Rating SPECIFIC Micro-SD Cards.

Absolutely do NOT buy Sandisk Cards, Samsung Evo Select, Samsung Pro Plus 128 GB, or any other generic cheap memory cards. You have purchased a high-end dash cam, so please invest in a good reliable memory card also. Do NOT Purchase it from third party seller on eBay or any online place. Otherwise they may be a counterfeit cards and will NOT work.

FORMATTING MEMORY CARD

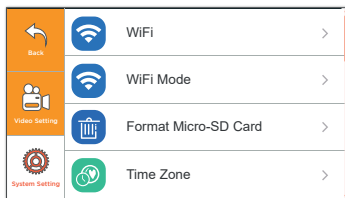
- 1 Press anywhere on the LCD screen of the camera to access the Menu Settings
- 2 Select the  gear icon on the Menu.



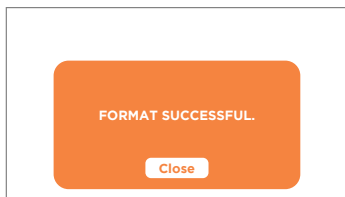
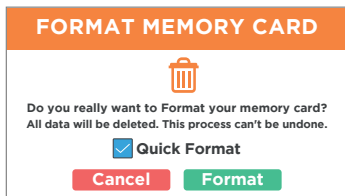
- 3 Now, you will see the Back, Video Settings, and System Settings menu on the left side of the screen.

Please select the System Settings  (gear icon) to go to the camera's System Settings.

Now, select the "Format Micro-SD Card" from the lists of options.



- 4 You will see a confirmation to format the memory card. Select the Format to proceed. (The formatting process will be super quick and you will get a message saying "Format Successful" when it is done)



NOTE:

- We recommend that you completely format (not Quick format) the memory card every 3 months to keep it clean for smooth operation.
- Please note that memory cards have their self-life span; after so many uses of writing data over and over, eventually, they will become inoperable. When that happens, please replace your memory card.

TIME-ZONE SETTING:

To set the date & time, choose one of the following options below:

- 1 You can choose date and time of your choice manually, go to System Settings > Date/Time and select the date and time of your choice.

OR

- 2 You can also set the GMT/UTC time-zone value instead, so the camera will set the date and time based on the GMT/UTC value selection when it receives the GPS signal lock automatically.

USA Time Zones - GMT (Greenwich Mean Time) Values

Time Zones	When DayLight Savings Ends ▶ Nov - March	When DayLight Savings Begins ▶ March - Nov
Hawaii	GMT (-10:00)	
Alaska	GMT (-9:00)	GMT (-8:00)
Pacific Time Zone	GMT (-8:00)	GMT (-7:00)
Mountain Time Zone	GMT (-7:00)	GMT (-6:00)
Central Time Zone	GMT (-6:00)	GMT (-5:00)
Eastern Time Zone	GMT (-5:00)	GMT (-4:00)

Go to <http://www.greenwichmeantime.com/time-zone/usa> to find out your Correct GMT (Greenwich Mean Time) value based on your location in USA

USING WiFi FEATURE



What is a WiFi Feature?

The WiFi feature has been designed so you can pair your dash camera wirelessly with your smartphone and access your recording instantly from the dash cam. Here you can view, download and share your videos easily with your friends and family. Just like how you would connect your Bluetooth speaker to your smartphone for wireless music play, the same way dash cameras use WiFi signal (instead of a Bluetooth) to pair your smartphone with ROVE R3.

What is the WiFi Range?

The WiFi signal range is about 10M when there are NO obstructions in the middle. Please NOTE that just like your home WiFi network, you can't have WiFi signal outside your home, the same way, WiFi range is 10M from this small device.

Can I watch the videos or surveillance away from my car remotely?

NO. ROVE R3 dash cam is NOT made to broadcast footage over the cloud or internet. It is NOT a cloud or an IP camera and it is NOT meant to do that. You can get live video and footage on ROVE R3's APP as long as you stay within the 10M range from the dash cam.

Pairing your R3 with your Smart Phone using WiFi

STEP 1: Search & Install the ROVE APP



1

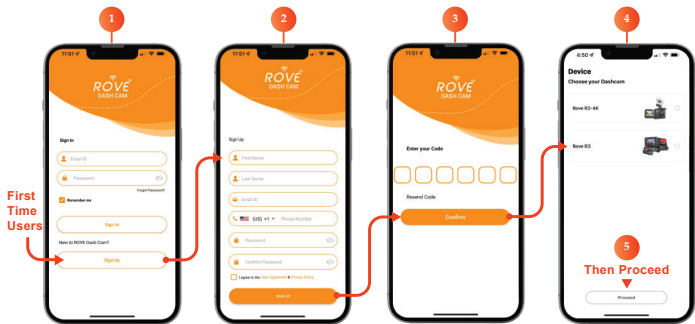
Search for “ROVE” in App Store or Google Play Store to find the App and then download and install it on your phone.

NOTE:

ROVE R3's WiFi Connection pairing does NOT broadcast the internet. The WiFi Connection to ROVE R3 is meant to transfer the data between your phone and the ROVE R3 dash cam.



STEP 2: Sign Up (For First Time Users Only), Skip this step if you already have an account.



IMPORTANT:

Do NOT Connect your iOS/Android device to ROVE R3's WiFi yet.

FIRST TIME USERS:

You will need to register and create a free account using ROVE APP, so you can keep your videos and data secure in your device. (To register - you will need an internet access, so make sure to stay connected to internet using your home wifi or cellular data while registering for the first time) - You will only need to do this once. You should stay logged in your ROVE account mostly, unless you get logged out.

If you ever need to sign back in to ROVE account again, then you will need to be connected with the internet first, then login to your account before pairing with ROVE R3's WiFi.

STEP 3: Turn the WiFi ON from the R3's Settings



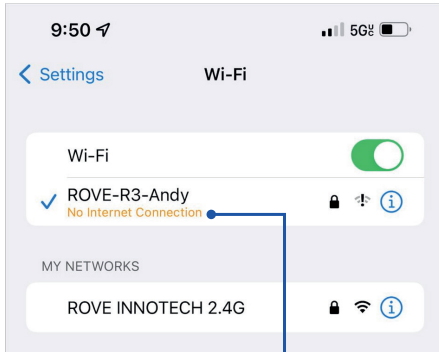
CONNECTING ROVE R3 DASH CAM WITH SMART PHONE:

- 1 TURN ON WiFi FROM THE CAMERA:** Go to the camera's System settings and look for the WiFi option or simply press the WiFi icon on screen menu.

NOTE:

You will see a solid Red LED Light on the camera indicating that the WiFi is ON.

- CONNECT WiFi:** Now Simply join the ROVE R3 WiFi by going into your iPhone or Android phone's Settings > WiFi > ROVE R3 WiFi. Then Enter the default password: **12345678**. Then JOIN the network.

**NOTE:**

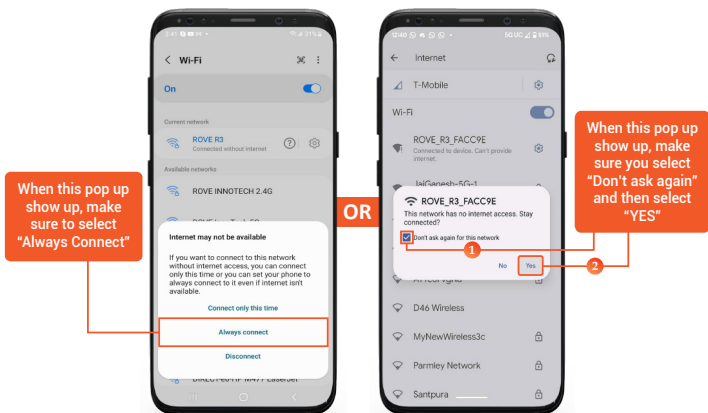
If you see "**NO Internet Connection**"

Please ignore this message as R3 does NOT provide internet. WiFi is only used to make connections between your R3 and your Smart Phone, so you can wirelessly use the ROVE APP and access the videos/settings of your R3.

- NOW OPEN THE ROVE APP:** Once your camera is connected to ROVE WiFi successfully and when you open the ROVE App, the camera will sync automatically. You should see the live video feed from the camera on the ROVE APP. Then keep exploring the APP from here on.

For Android phones:

There is one extra step you will have to take for the first time. Once you connect to ROVE R3 WiFi, it will say “No Internet”. Which is fine. Wait about 10-15 seconds until you see the below pop up or notification. You just have to tap on the pop up notification that will show up in few seconds to select that you still want to stay connected even though there is NO Internet. Once you select this OK, you are set to go. Please contact us if you need any help.



For iPhone:

The Wi-Fi network "ROVE R3_066438" does not appear to be connected to the Internet

Do you want to temporarily use cellular data?

Use Cellular Data

Keep Trying Wi-Fi

If you get this pop up for your iPhone while using WiFi feature, make sure to tap on "Keep Trying WiFi". Otherwise the camera will get disconnected from the WiFi and then you will have to forget the ROVE WiFi and then start to pair again for it work again.

UNDERSTANDING 2 – CAMERA MODES

ROVE R3 has 2 different camera modes:

1. VIDEO MODE

2. PLAYBACK MODE







1. Video Mode (Default Mode)



Video mode lets you record live videos and store them on the installed Micro SD card.



While in the Video Mode:


- Touch the screen anywhere to access the on-screen Menu (Touch the  to minimize the Menu or simply press anywhere on the screen outside the Menu)
- Touch the  to Stop/Resume the video recording manually.
- Touch the  to lock the current loop video.
- Touch the  to turn OFF/ON the built-in microphone
- Touch the  to change the camera view on the screen.
- Touch the  to turn ON/OFF WiFi

2. PLAYBACK MODE:

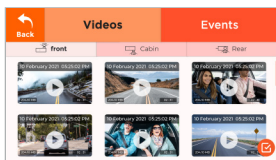


Playback mode lets you View or delete video files while viewing them.



Touch the screen anywhere to access the on-screen Menu. And then press the  to go to the Playback Mode

While in the Playback Mode:



- On top you will see two main menus.
Videos - this is where normal videos are stored.
Events - this is where locked videos are stored.
- Under Videos, you will see 3 separate folders for the front, cabin, and rear videos.




- Select the video file you want to play.
- Touch the **||** or **▶** to Pause/Play the video.
- Touch the **◀** to move to the Previous video file.
- Touch the **▶** to move to the Next video file.
- While the video is being played, Touch the **1X** to FF the video playback up to 16X.
- Press the **🗑** if you want to delete the current video
- Touch the back **←** button to return to home screen.

Playback Your Recorded Videos

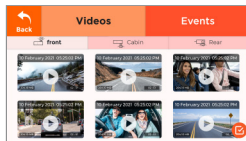
There are 3 different ways you can access your videos.

A. Directly on the CAMERA by going to the Playback Mode

- 1 Touch the screen anywhere to access the on-screen Menu.
And then press the  to go to the Playback Mode



- 2 On top you will see two main menus.
Videos - this is where normal videos are stored.
Events - this is where locked videos are stored.
- 3 Under Videos, you will see 3 separate folders for the front, Cabin, and rear videos.



- 4 Select the video file you want to play.



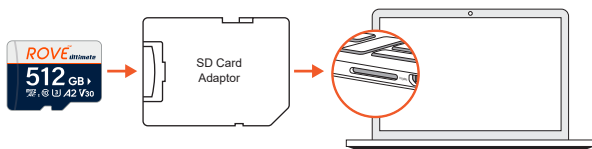
B. On PC/MAC

To play on your PC/Mac, simply connect the camera using included short USB Data cable and choose the Connect as USB Flash Drive on the camera when this message pops up.



Or,

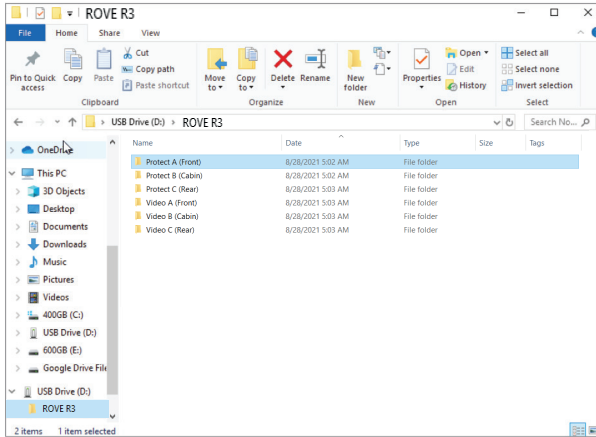
You can simply remove the memory card from camera and insert it directly in your PC if you have a memory slot.



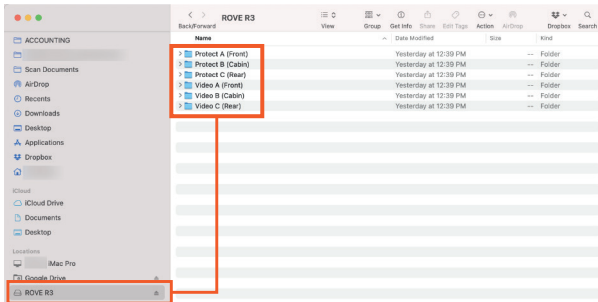
Then find the added memory card drive "ROVE R3" on your computer and then simply double click on the video to play them.

If default video player does not open VLC player by double clicking, then you can right click on each video file and then select OPEN WITH > VLC Media Player. (Make sure to download first. See pg. 47) You will also see a folder named "Protect" which means read-only, where you will see your locked videos.

A PC

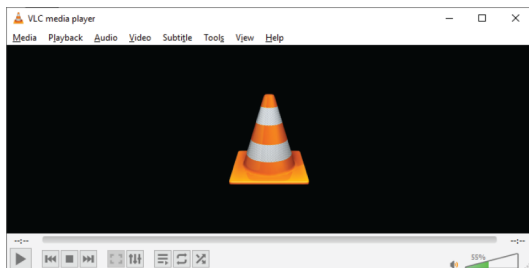


B MAC

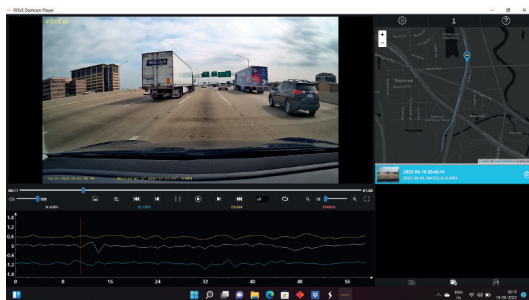


Correct Video Player To Play 4K VIDEOS:

We recommend VLC Media player. You can get it free at www.videolan.org.



You can also use our GPS Player from our website for free to view the google maps from www.rovedashcam.com



















C. On Smart Phone









To play on Smart Phone, simply turn on WiFi first from the camera, then connect the ROVE R3 WiFi by entering the default password "12345678"









Once connected, simply open the correct ROVE APP for your iOS/Android (For more step by step instructions about WiFi feature see page 36 for details)





VIDEO SETTINGS

	 Video Resolution >
	 Loop Recording >
	 IR LED >
	 G-Sensor >









	 Audio Recording >
	 Parking Mode >
	 Parking mode G-SENSOR >
	 Exposure >









	 WDR >
	 License Plate >
	 Video Stamps >
	 Time Lapse Video >









	 Video Compression >
	 Speed Unit >
	 Distortion Correction >
	 Live Speed & Compass >









	 Rotate Video >
	
	









SYSTEM SETTINGS






	 WiFi >
	 WiFi Mode >
	 Format Micro-SD Card >
	 Time Zone >

	 Date >
	 Date Format >
	 Time >
	 Time Format >

	 Screen Saver >
	 Screen Brightness >
	 Speaker Volume >
	 Touch tone >

	 Voice Guidance >
	 Boot Up Tone >
	 Frequency >
	 TV Mode >

	 GPS >
	 Storage Space >
	 Default Settings >
	 System Info >

	 Customer Care >
	 Legal >
	

UNDERSTANDING CAMERA SETTINGS

VIDEO SETTINGS

VIDEO RESOLUTION

Here you can set your preferred video resolution. Higher the video resolution, improved the video quality and larger the file sizes, hence it takes more storage space.

In this menu, you can also select the combination of camera you want to use.

- Front + cabin + rear
- Front + cabin ONLY
- Front + rear ONLY
- Front camera ONLY

LOOP RECORDING

Loop recording feature will split video files into selected video length. This allows the camera to continuously record in a seamless loop so it can delete the oldest video files first automatically when the memory card becomes full so it can record over and over without you having to delete files manually.

- 1-Min (Default) • 3-Min • 5-Min • 10-Min
- OFF - (4GB Max 20-min)

OFF: When you choose off, the camera will Continue to record each file 4GB in size until the memory card becomes full and then it will give you “Card Full” message. It will NOT record any further until you either delete files to make room or format the memory card.



IR (INFRARED) LED'S

There are 4 hidden IR LEDs around the lens of the cabin camera. IR LEDs illuminates images in the dark. During night driving, inside the car is complete dark, therefore IR LEDs will help you capture video in IR night vision details inside the cabin.

- Auto (Default)
- Always ON
- Always OFF



NOTE:

When the infrared LEDs are turned ON, the cabin camera video will look black & white, and this is how the IR (Infrared) videos looks like normally.



G-SENSOR

G-Sensor is a 3-axis impact gravitational accelerometer which is designed to detect physical and gravitational forces on the camera. This allows the camera to LOCK the videos automatically when such impact is detected over the selected setting.

While Video is Being Recorded: In the event when G-Sensor is triggered due to physical or gravitational impact force on the camera, the current loop cycle length of video file will be locked so it will NOT be deleted by loop cycle function.



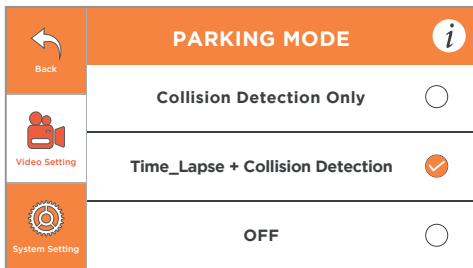
RECORD AUDIO

This feature allows you to record your video either with or without audio recording.

- OFF = Audio recording OFF
- ON (Default) = Audio recording ON

 **PARKING MODE**

ROVE has custom designed it's parking monitor for best user experience and automation. Please see the details below.

 **CAUTION:**

Never connect the dash cam directly to your car's 12/24V battery by modifying wires. The dash cam is not designed to handle direct current from the battery. It needs a step-down circuit in the middle (Hardwire Kit) to adjust the current required by the dash cam. You must connect the dash cam using the ROVE's 3-Lead Hardwire Kit and connect it to the car's fuse box (NOT to battery terminals directly).

 **NOTE:**

The camera has a built in temperature sensor. During sunny afternoon and direct sunlight with locked car, the inside of the car turns into a greenhouse effect, and depend on your geographical location the temperature can exceed the recommended guidelines for this product. When this happens, the camera will automatically shut down to prevent damage to the unit. (See pg. 14 for temperature guidelines)

ROVE R3 & PARKING MODE HOW DOES IT WORK?



ANSWER ROVE R3 has a built-in Parking Mode Feature, allowing you to record in the following two ways after parking your vehicle.

Before we go into details, please **NOTE** that the ROVE R3 Hardwire Kit is required for the parking mode to work.



WHY DO I NEED TO PURCHASE AN ADDITIONAL HARDWIRE KIT?



ANSWER

- 1 To utilize a 24-HR parking monitor, you need to provide power to your dash cam while away from your car. Hardwiring your dash cam to your car's fuse box is necessary to give power to the dash cam. ROVE R3 Hardwire Kit is NOT Included in the packaging. Purchase separately.
- 2 The hardwire kit also monitors battery voltage, and it is designed to cut off power to the dash cam when it detects low voltage to preserve enough power in the car's battery for you to start your car next time.



FIRST: Please **NOTE** that the dash cam is designed to record continuous video while your car's engine is turned ON and driving.

HOW DOES THE "TIME-LAPSE + COLLISION DETECTION" PARKING MODE WORK?



ANSWER When you turn OFF your car's engine, and if the HWK is installed properly > then the dash cam will -



- 1 STOP the Continuous Recording from the normal video mode.
- 2 Then it will start the Time - Lapse Video Recording (You will see two icons on the LCD  = Parking Mode Active,  = Means the Time-Lapse Video is Active)
- 3 Now while the time-lapse video is being recorded > and if someone hits the car & if the impact reaches the set "Parking Mode G-Sensor" level, then >> the dash cam will STOP the Time-Lapse Video > START the 1-Min Continuous Video Recording > then at the end of 1-min, the dash cam will LOCK & SAVE that video under events folder, so it does NOT get deleted by the loop cycle recording function.
- 4 Then the dash cam will go back to Time-Lapse Video recording again until someone hits your car again (we hope you won't get hit twice in one day - LOL) or until you start your car's engine.

- 5 When you start your car's engine for the next time, the dash cam will give you an alert stating that the "Parking Mode Got Activated While You Were Away"

(You will hear an audible alert & also an on-screen pop-up).



- 6 You will need to tap the OK button on the screen to acknowledge that pop-up. Then you can check and see what happened by going through the last event video.
- 7 However, let's say No One hits your car, and if the "Parking Mode G-Sensor" didn't get activated, you will NOT get any parking mode alert. >> In this case, when you start your car's engine for the next time, the dash cam will switch from parking mode to normal continuous recording mode, and it will say "recording started" >> and the "Parking Mode + Time-Lapse" icons from the main screen will also disappear. This means your dash cam is now in normal continuous recording mode, which is what you want.
- 8 If you need to watch the parking mode Time-Lapse Videos, you will find them under the normal folder. Time-Lapse videos are not meant to be locked.

NOTE:

In time-lapse + Collision Detection parking mode, the LCD is designed to turn OFF automatically after 5-6 seconds. You can wake up the LCD by gently touching it. While the LCD is OFF in the parking mode, you will see BLINKING BLUE LED, which means the dash cam is recording the video.

HOW DOES THE "COLLISION DETECTION ONLY" PARKING MODE WORK?



ANSWER When you turn OFF your car's engine, and if the HWK is installed properly > then the dash cam will -



- 1 STOP the Continuous Recording from the normal video mode.
- 2 Then the R3 will turn OFF. However, it actively senses any impact while the car is turned OFF.
- 3 Now, if someone hits your car & if the impact reaches the set "Parking Mode G-Sensor" level, then >> the dash cam will turn ON and START RECORDING 1-min video. Then it will LOCK & SAVE that video in the events folder and turn OFF.
- 4 Then the dash cam will be actively sensing any impact until someone hits your car again (which we hope you won't get hit twice in one day - LOL) or until you start your car's engine.
- 5 When you start your car's engine for the next time, the dash cam will give you an alert stating that the "Parking Mode Got Activated While You Were Away" (You will hear an audible alert & also an on-screen pop-up).



- 6 You will need to tap the OK button on the screen to acknowledge that pop-up. Then you can check and see what happened by going through the last even video.
- 7 However, let's say No One hits your car, and if the "Parking Mode G-Sensor" didn't get activated, you will NOT get any parking mode alert. >> In this case, when you start your car's engine for the next time, the dash cam will switch to the normal continuous recording mode, and it will say "recording started" and the Parking + Timelapse icons will disappear. This means that now your dash cam is in normal continuous recording mode, which is what you want.
- 8 If you need to watch the activated parking mode videos, you will find them under the Events folder.

NOTE:

- The parking mode time-lapse videos will NOT be saved under the events folder. You can find them under normal video folders.
- While in parking mode, the GPS and WiFi are designed to turn off automatically to save power while in the parking mode.

WHAT LEVEL SHOULD I SET MY "PARKING MODE G-SENSOR" SETTING AT?



ANSWER This depends on your various factors and your personal preference. I will discuss a few most common scenarios to educate yourself.



For the Parking Mode G-Sensor setting, you can select between 1 to 9 different Gravitational Sensor (G-Sensor) levels.

Where 1 = Lowest (Smallest) Impact Detection and 9 = Higher (Larger) Impact Detection.

- ▶ 1 = Low Impact Detection
- ▶ 2
- ▶ 3
- ▶ 4
- ▶ 5 = Medium Impact Detection (Default)
- ▶ 6
- ▶ 7
- ▶ 8
- ▶ 9 = High Impact Detection

- 1 If you set your parking mode G-Sensor at 1, the dash cam will be extremely sensitive. Even the lowest vibration, such as hard tapping the LCD or Closing the Car's Door, will activate the R3 dash cam.

You would want this if you want your dash cam activated with the slightest hit to the car.

However, there are downsides to this. Your dash cam will activate even when you close the car's door while exiting your vehicle. This will give you false parking mode got activated alerts. However, the positive side of this is that your car/dash cam is sensitive to minor bumps/hits to your car.

- 2 If you set your parking mode G-sensor at just the right setting, where it will NOT trigger the false alerts by closing your car's door, you will NOT get false signals. Then when you do get alerts, you know to check the last locked videos to see what happened because you didn't anticipate the false alerts.

However, the downside is that your dash cam is not extra sensitive to more minor bumps/hits because you have set your G-sensor to a higher level so that you may miss some smaller bumps/hit events.

However, there is one more positive side; if you have used time-lapse + collision detection, you should have your parking mode time-lapse videos saved in normal folders. So if you suspect someone might have hit your car or something, then you can still always go look at the time-lapse videos. We hoped this made sense and was helpful.



EXPOSURE

Exposure allows you to manually adjust the light sensitivity ISO of the image. We recommend that you leave it at “0.0 Auto” so the camera can adjust exposure automatically. However, you can also manually set your exposure. Higher the exposure brighter the image.

- 0.0 Auto (Default)
- -2.0, -1.7, -1.3, -1.0, -0.7, -0.3, 0.0 (Auto), +0.3, +0.7, +1.0, +1.3, +1.7, +2.2

ROVE offers a vast range of exposure levels in its R3 dashcam. The exposure setting allows you to adjust the dashcams’ brightness level according to the background. Increased exposure results in brighter footage in a dark location, whereas low-exposure settings produce actual footage in an overexposed place without the worry of excessive lighting ruining your valuable footage. This feature is very beneficial when involved in a mishap in a varied brightness area.



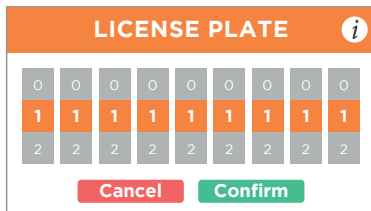
WDR

WDR - Wide Dynamic Range - This feature produces a wider range of colors and lighting in a single robust image from either too bright (i.e. driving towards direct sunlight) and dark light (i.e. cloudy or evening drive).

- OFF
- ON (Default)

LICENSE PLATE

This feature allows you to add your choice of the custom stamp on the video whether it is your car's license plate or your name etc. Max nine characters - letters and numbers only.



LICENSE PLATE								
0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2

Cancel Confirm

VIDEO STAMPS

Video Stamps allows you to turn ON/OFF various stamps at the bottom of the video.

- Date & Time
- GPS Coordinates
- Driving Speed
- License Plate
- ROVE Logo

NOTE:

1. By turning OFF Speed stamps the camera will NOT attach the speed embedded data with the video. So when you play your video on GPS Player, you will NOT see any speed associated with the video.
2. By turning OFF GPS Coordinates the camera will NOT attach the GPS Coordinates or the Driving Route Location with the video. So when you play your video on the GPS Player, you will NOT see any GPS tracker on Google/Baidu maps.

CAUTION:

In the event of accident please make sure you retrieve your footage before using your camera again to prevent the loss of important video file due to the loop cycle function, in case the force was minor which did NOT trigger G-Sensor to lock video file automatically. It is a best practice and recommended to you to retrieve all necessary video footage after any event of accident before using your camera to prevent loss of vital video file.



TIME-LAPSE VIDEO

Time-Lapse Video allows you to record your drive at a much lower frame rate, such as 1fps, 2fps, or 4fps, where (Normal Rate is 30fps). Now when you play the time-lapse video, the camera combines all the frames and plays at a 30fps normal rate, so your video will be moving faster thus lapsing in time.

- OFF (Default)
- 1 - FPS (NORMAL)
- 2 - FPS (Smooth)
- 4 - FPS (Smoother)



NOTE:

Time-Lapse is OFF by default. It also programmed to set to ON, then it will stay ON all the time even after camera restarts. So all your videos will be in time-lapse speed (Faster Playing).



VIDEO COMPRESSION

H.265 HEVC = High-Efficiency Video Coding - This advanced compression algorithm improves video quality with a smaller file size compared to H.264.

- H.264 (Default)
- H.265



WARNING:

H.265 playback can be laggy and might NOT play smoothly if your PC/MAC or other devices are NOT compatible with H.265. So if you don't have advanced new devices, then keep this setting at H.264 (Default).

SPEED UNIT

This feature allows you to choose your preferred driving speed unit. This unit will reflect on the main LCD and video stamp at the bottom of the video.

- MPH (Default)
- KPH

DISTORTION CORRECTION



Because of the circular wide-angle lens of the dash cameras to capture the details on wide side, some distortion in the image is created. It is widely known as the fish-eye lens effect.

ROVE R3's advanced distortion correction algorithm is designed to reduce the "fish-eye" or "barrel" effect from the edges of the video.

- OFF (Default)
- ON

LIVE SPEED & COMPASS

This feature allows you to turn ON/OFF the live speed & compass on the main display (LCD).

- OFF
- ON (Default)

**ROTATE VIDEO**

This feature allows you to rotate your video 180 Degrees. If you mount your camera up-side-down or your video is showing upside down, you can set this to ON = 180°

FRONT & CABIN:	REAR CAMERA:
<ul style="list-style-type: none"> • OFF (Default=0°) 	<ul style="list-style-type: none"> • OFF (Default=0°)
<ul style="list-style-type: none"> • ON (Rotate=180°) 	<ul style="list-style-type: none"> • ON (Rotate=180°)

SYSTEM SETTINGS**WIFI**

WiFi will allow you to turn ON the WiFi broadcast from the dash cam so you can connect your dash cam with your smartphone using the ROVE APP to access videos, photos, and settings.

- OFF (Default)
- ON - Once
- Always ON

**NOTE:**

WiFi Range is approximately 10M from the device. Stay within this range to stay connected.

WIFI IS NOW TURNED ON.

WiFi Name : Rove R3_*****

Password : 12345678

Step 1 : Join the above WiFi on your phone.

Step 2 : Once joined, open the Rove App.

 **WIFI MODE**

WiFi Mode allows you to choose the wifi band. The 2.4 GHz band provides coverage at longer range but transmit data at a slower speed. The 5.0 GHz band provides less coverage but transmit data at a faster speeds. We suggest to use 5.0 GHz band unless your iOS/Android device is older version and can only support 2.4 GHz, which is very rare currently.

 **FORMAT MICRO-SD CARD**

This feature allows you to FORMAT your memory card right in the camera.

- Cancel (Default)
- Format

 **WARNING:**

Once you format your memory card, it will erase all the data including locked videos and your data cannot be retrieved later.

 **TIME**

Here you can choose the time of your choice manually, along with clock format menu settings.

TIME SETTING

Hour	Minute	Second
08	29	41
09	30	42
10	31	43

Cancel
Confirm

 **TIME FORMAT**

This feature allows you to change all the time formats across this dash cam. (i.e. main screen, video stamps)

- 12-Hours
- 24-Hours



DATE

Here you can choose the date of your choice manually, along with date format menu settings.

DATE SETTING

Year	Month	Date
2020	04	21
2021	05	22
2022	06	23

Cancel
Confirm



DATE FORMAT

This feature allows you to set the date format as per your choice that will be applied across the dash cam. (i.e. main screen, video stamps)

- MM/DD/YY (Default)
- DD/MM/YY
- YY/MM/DD



SCREEN SAVER

Live Video Always ON: This will make the LCD always stay ON

Screen Saver ON After 1-Min: The screen saver will come ON after your camera is idle for 1-min.

LCD OFF After 1-Min: This will turn OFF only the LCD after 1-min, but camera will continue to record. You can check blinking blue LED for recording status.



**SCREEN BRIGHTNESS**

This menu will allow you to set the screen brightness.

- High (Default)
- Medium
- Low (Recommended to Prevent Heating)

**NOTE:**

We recommend that you set your brightness to either medium or low. Due to the touch screen, high brightness will make your camera HOT. If the temperature will go beyond limit, then the brightness will be automatically set to LOW and even turn OFF LCD until the device will cool down.

**TOUCH TONE**

This feature allows you to turn ON/OFF camera button's beep sound & any voice confirmation.

- OFF
- ON (Default)

**SPEAKER VOLUME**

Speaker Volume allows you to adjust the camera's built-in speaker volume.

- High (Default)
- Medium
- Low



VOICE GUIDANCE

Voice guidance is the female voice feedback you receive on your camera. If you prefer to not receive voice feedback, you can set this feature to OFF.



CAUTION:

ROVE R3 has an important failsafe voice feedback if camera is not recording the video when it is turned ON and sitting idle. Therefore the camera will remind you every 30 seconds that it is NOT recording the video. If you hear this feedback, then you should check and investigate to see why your camera is NOT recording the video. This prevents the missed video on an accident when you need the most because your memory card can fail after certain life cycle and if you don't check daily, you could possibly not know that the camera was only turned ON but was not recording the video. Therefore to avoid this fail, we strongly suggest that you keep the Voice Guidance turned ON.



BOOT UP TONE

Use this menu to turn ON/OFF the camera's boot up chime.

- OFF
- ON (Default)



FREQUENCY

Here you can select the correct frequency for light flicker accordingly to your geographical location and your country's power supply specification.

- 60 Hz (USA - North America)
- 50 Hz (Europe - Most Asian Countries)



TV MODE

Here you can choose your TV mode based on your country's TV setting.

- NTSC (Default)
- PAL

**GPS INFO**

This setting allows you to turn ON/OFF the built-in GPS of the dash cam.

- OFF
- ON (Default)

**NOTE:**

NO GPS related data will be used across the device. (I.e. Live Speed, Speed Stamp, GPS Coordinates)

**STORAGE SPACE**

It shows you the information about the memory card inserted into the camera.

- Total: (Memory Card Capacity)
- Free: (Free Space in memory card)
- Event: (Occupied space from Locked/Protected Video Files)

**DEFAULT SETTING**

Here you can set your dash cam to its factory default settings.

- Cancel
- Set Default

**NOTE:**

When it restarts, it will ask you to format your memory card, and if you don't want to delete your data, please select NO to bypass the set up flow. Then you can set the camera manually by going into the settings menu.

System Info



Here you can check the current firmware version installed on your camera. You will need this information in the future to check if newer version of firmware is available.

- ROVE-R3-11-11-2021 (First - Original Firmware)

Please visit: www.rovedashcam.com For latest firmware upgrade instructions.

SYSTEM INFORMATION
MODEL: ROVE R3
SOFTWARE VERSION: R3-11-11-2021
WEB: www.rovedashcam.com
WiFi Name: ROVE R3 Dash Cam
WiFi Password: 12345678

CUSTOMER CARE

CUSTOMER CARE
Hours: Mon - Fri 9am-5pm PST
EMAIL US  help@rovedashcam.com
TEXT US  For faster response text us 1 (401) 484-ROVE(7683)

LEGAL

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GITEKI :  R 214-117668

FCC ID : 2A2OE-R3

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions.

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

GPS player Software Installation (PC/MAC Only)

(Only suitable for the units with GPS function)

To download FREE GPS Player, visit www.rovedashcam.com

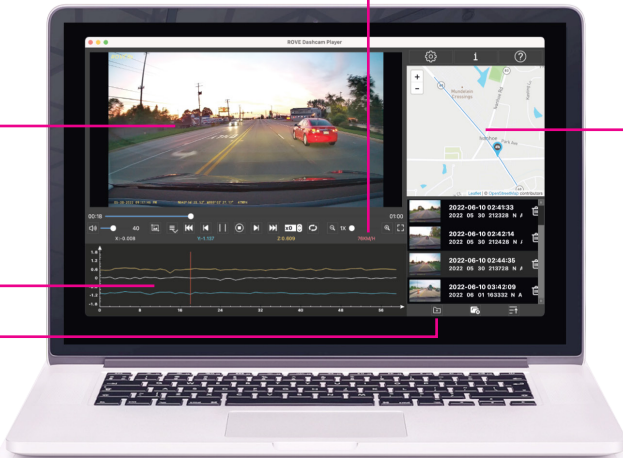
Why GPS Player? What are the features

Check G-Sensor Data

Play back your recorded videos

To see the Exact GPS route with the video on google maps

Check Driving Speed



Using the GPS Player

- Please open the customized video player and install it for the first time use.
- 📁 Click to browse on your added drive and select the video file that you prefer to play in the player.

1	Date & Time
Shows Date & Time of video was recorded	
2	Past Viewed Files
These are you previously viewed files. Click on to view them again.	
3	Driving Speed
This is where your driving speed will be displayed.	
4	Playback Controls
<ul style="list-style-type: none"> • Reverse • Play • Stop • Fast Forward 	
5	GPS Coordinates
These are you coordinates longitude and latitude recorded by GPS Geo Tagging Device.	
6	Playback Time
This is where your video play back time is shown.	
7	Volume Control
Slide Right or Left to Increase or Decrease Volume	
8	G-Sensor Indicator
This is where you can measure camera movement that is caused and recorded by G-sensor force. I.e. when vehicle hits pot-hole or bump you can see it here.	
9	Vehicle Speed
Speed of vehicle recorded at specific point of time.	
10	Map Location
Maps showing vehicle's driving route recorded by GPS Geo Tagging Device based on coordinates.	
11	Vehicle Direction
Direction at vehicle was driving at specific point of time.	

ONE YEAR LIMITED WARRANTY

We at **ROVE** would like to provide One (1) full year of limited warranty for your product from the date of purchase to be free from defects in materials and craftsmanship.

IMPORTANT: Please save your warranty/serial number card as an evidence. Proof of original purchase is required for any warranty service. (Online order receipt is also accepted)

Warranty Terms Conditions

1. The warranty is confined to the first purchaser of the product and is not transferable.
2. Service / Repairs during warranty period shall be carried out by company authorized personal only.
3. The company will not be liable for any hardware and / or data loss arising from the use of any third party software whether downloaded or otherwise.
4. In the event of repairs and / or replacement of any part(s) of the product this warranty will remain in force only for the unexpired period of the warranty.
5. In case of any physical damage to the product and / or misuse detected by the Authorized service center personal, the warranty be void and service / repairs will be done on chargeable basis only and subject to availability of parts.
6. The company's obligation under this warranty shall be limited to repair or providing replacement of part(s) only. The maximum claim(s) if entertained by the company will be subject to the maximum retail price of the product purchased or the purchase price, whichever is lower and on production of original proof of purchase.

During the warranty period in the event of any unforeseen circumstances where spares not available a commercial solution in lieu of repairs will be calculated based on company's prevailing depreciation rules and the same will be binding on the purchaser.

The replacement unit will be either new or refurbished based on the availability. We reserve the right to even upgrade you to the newest version be it similar or not if we have discontinued the current model.

LIMITATIONS / DISCLAIMER OF WARRANTY / LIABILITY

1. Company shall not be liable/responsible directly or indirectly for any claim for compensations, damages, any losses etc. Under this "Limited Warranty" due to inconvenience, loss of time, loss of profits, loss of business opportunity, loss of data, loss of goodwill, work stoppage, any personal and / or commercial loss, compensation for mental agony, anxiety etc. Resulting from the use of the product(s) or any direct or indirect loss of any nature whatsoever (incl. any personal injury or death).
2. Except for the warranties set forth herein, company disclaims all other warranties, expressed or implied or statutory, including but not limited to the implied warranties of merchantability or fitness for a particular purpose.
3. The maximum liability of company under any circumstances shall be limited to an amount equal to the invoice amount paid by the purchaser to company or a company authorized reseller for the Product(s).
4. Company shall not be liable directly or indirectly for any claim for compensation if the Product has been exposed to moisture and / or dampness and / or extreme thermal and / or extreme environmental conditions or to rapid changes in such conditions, to corrosion, to oxidation, to spillage of food or liquid or to influence from external chemical products.
5. **ROVE™** (Hereinafter referred to as "the company") guarantees to the purchaser that this product carries a warranty for the period mentioned above, commencing from the date of purchase.

SAFETY & LEGAL ASPECTS:

All rights are reserved. Duplication, transfer, distribution of the contents herein in any manner without the prior written permission of **ROVE™** is prohibited. **ROVE™** reserves the right to add, modify or delete, any of the contents herein or withdraw this documents at any time without prior notice and without assigning any reasons thereof. For detailed terms and conditions refer www.rovedashcam.com

- Please check your local or state laws before using in car recording device. It is user's responsibility to comply with all local and state laws.
- **ROVE™ R3** Dash Cam must be placed at proper location so it does not obstruct your view while driving.
- Do not use or manipulate any functions or any accessories of ROVE Dash Cam while driving. Distraction is a leading cause of accidents.

FCC ID: 2A2OE-R3

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



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AGREEMENTS

By purchasing ROVE Dash Cam, you hereby agree with all the terms and conditions of warranty, warnings and precautions. If for any reason you do not agree with these terms, you may return the product in its original packaging unused within its return window for a full refund.

TROUBLESHOOTING YOUR ROVE™ R3

Why my R3 dash cam is getting too hot?

It is normal for the R3 to get hot to touch as it is a three-channel touch screen dash camera which is processing multiple things at a time, due to that its require more power. ROVE R3 is designed to withstand extreme hot temperatures, thus. It will not affect the camera's performance.

Moreover, it has a temperature sensor inside, and if the camera exceeds the threshold, then the camera will turns OFF automatically until the device cools down.

Anything you put on a car's windshield with a touch screen and working device will get hot. Like our car's dashboard also gets super hot, but we don't touch it while it's hot; the same way, once you mount your camera after you set it up, you shouldn't have to touch it. It is designed to just work even in hot/cold temperatures. Your R3 is built with premium materials that are designed to last.

Camera does not turn ON

- 1 Use the different Included USB Cable & your smart phone's USB charger. Now plug it into your home's 110V wall outlet using your iPhone/Android USB Charger.
- 2 When you plug it in, the camera should turn ON, if NOT, then please CONTACT US.

Error/Message "Card Full"

Format card by going into system settings See pg. 33 for how to format. Then Go to Video Mode settings > Loop Recording > Choose either 1-min, 3-min, 5-min, 10-min. This will allow loop cycle function to be turn ON and it will keep recording over and over.

NOTE Formatting will delete all the data from the memory card.

Camera Freezing/Lagging or Crashing.

Guys Please TRUST US on this. If your camera is freezing, lagging or does NOT record video after some seconds etc. while operating: Then it is the Memory Card Issue. Either you are using the WRONG, FAKE or BAD Memory Card. (Please be aware of the Fake Ones out there. If you have purchased your

memory card from eBay or any third party seller online then it is most likely a fake one, even though it looks exactly real. Please trust us. We have sold thousands of ROVE Dash Camera's and they do NOT lag, we stand by our product and we do extensive testing. Some customers simply thinks the camera is bad or not stable, but that is NOT the case here. It's the Memory Card Issue. Please CONTACT US and we are dedicated in resolving this for you ASAP.

Video is fuzzy

Please make sure the lens of the camera is clean and there is no dirt or grease on the windshield also. If the lens is out of focus, we are extremely sorry in advance. This can be a manufacturing defect. Please send us an email with a screenshot or a sample video so we can get this resolved for you ASAP.

My oldest video files are missing

Your ROVE Dash Cam has Loop Cycle Recording. When it is set to either 1, 3, 5 or 10-mins, it will delete oldest files and record newer files over and over when the memory card is full.

Micro SD Card is crooked or not going in slot easy

Please make sure to align the micro SD card correctly with gold contact facing toward the LCD screen of the camera, (See page 32)

My Video playback on PC is lagging.

You are viewing high-bit rate version of video files. Slower PC may have problem with faster data processing. Please record videos at lower resolution and try again. Contact us if problem still persists. You can also try to view the videos directly on the dash cam by going into the playback mode to see if the videos are playing smoothly? Additionally you can utilize the wifi feature and ROVE APP to download and play your videos on your iOS/Android device.

I can't connect my R3 with the ROVE APPs?

Some iOS versions have bugs that don't allow our APP to be connected to IoT (Internet of things) devices like this dash cam using cellular data and Wi-Fi simultaneously. Therefore, we suggest that you please turn OFF the cellular data when using the app, then the connection with R3 and the new ROVE APP will improve significantly.

Camera showing "Memory Error" or "Please Insert Micro SD Card" even though memory card is already installed into the camera.

- 1 Please make sure memory card is at least Class 10, U3 and purchased from trusted vendor such as Walmart, target, best buy, Ship & Sold by Amazon" etc. (there are many fake cards out there Online, remember if it's cheap, its fake.)
- 2 Now go to camera's system settings and FORMAT your memory card. (make sure to backup your videos first before formatting the memory card.) After formatting memory card, please press and hold power button to turn the camera off. Now unplug power cable, and re-plug the power cable, camera should now turn ON automatically and start recording.
- 3 If you are still getting the same error, please insert the memory card directly into your PC/MAC > then try to copy any photo/file into the memory card and then try to open the same photo/file from the memory card to see if the memory card that you have is working or really defective.
If your memory card works in your Computer: > Then the camera is defective and let us know, we will simply replace the camera for you.
If your memory card doesn't work on your Computer: > Then the memory card that you have is defective and please get the new correct and genuine card.

My date and time is not staying the same even after I set date and time.

Please go to camera's system settings > Time Zone Setting > Set your correct GMT value > OK to confirm. Thats it. Now wait until you get GPS signal LOCK and then every-time you have GPS signal, you will always have correct date and time.

Please visit "<https://greenwichmeantime.com/time-zone/usa/>" to find your correct GMT time zone based on your location. (See details on Page. 35)

Frequently asked question (FAQ)

1

I TRIED TO UPDATE THE FIRMWARE UPGRADE VIA APP, WHY IS THE FIRMWARE UPDATE NOT STARTING AFTER PRESSING PROCEED AS IT IS COMING TO THE FIRMWARE POPUP AGAIN?



PROBLEM (DIAGNOSE)

The firmware file is not sent to the camera over the wifi due to a cellular data/connection issue.

ANSWER (SOLUTION)

Turn OFF the 5G cellular/mobile data & then try upgrading the firmware over the app; this should succeed. If still stuck on firmware upgrade, restart the Camera by removing the power to the R3 and supplying the power back. If none works, please email customer care, and we can easily send you manual firmware update instructions.

2

WHY IS MY ROVE R3 REBOOTING WHEN EVERYTHING IS SET AND CONNECTED PROPERLY?



PROBLEM (DIAGNOSE)

There could be FOUR possibilities:

1. The Main camera's not all the way slide in place with 3M Sticky Mount.
2. You may have connected R3 to the direct USB of your car instead of using ROVE's USB Car Charger.
3. The rear camera's 2.5mm Jack connector is not connected properly.

4. Rear cam's USB-C cable to front units is not connected properly.

ANSWER (SOLUTION)

To solve this, remove the power cable from the camera to turn it off.

1. Check and make sure there is no gap between the 3M mount and the front camera. Make sure the camera is slid in and locked in place.
2. If you have not used the ROVE's USB Car Charger, then your car's direct USB might not be providing enough power that is required by this 3 Channel Dash Cam, which can reboot your R3 when it doesn't have enough power. Please use included ROVE's USB Car Charger and try it.
3. Please remove the 2.5MM Jack from the rear camera's female jack and then re-insert while ensuring those male/female prongs are set in place so you don't see the metallic 2.5mm pin. See the photo below for reference.



4. Remove and re-insert the rear cam cable on the front/main camera unit on top.

-- Now, re-start the camera and see if this has resolved the issue.

3

WHY IS MY ROVE R3 IS STARTING & STOPPING RECORDING WHEN THE CABLES ARE PROPERLY CONNECTED?**PROBLEM (DIAGNOSE)**

There could be three possible reasons:

1. You may not be using a Genuine Class 10, U3 High-speed memory card.
2. The rear camera's 2.5mm jack connector is not connected properly.
3. The rear camera or the cable might be defective.

ANSWER (SOLUTION)

1. Make sure you use only a genuine Class 10, U3 speed micro SD card. We strongly suggest the ROVE Ultimate Micro SD card.
2. Please remove the 2.5MM Jack from the rear camera's female jack and then re-insert while ensuring those male/female prongs are set in place so you don't see the metallic 2.5mm pin.
3. Disconnect the rear camera from the main/front camera and check if the issue persists. If the front/main camera is recording properly, then, your rear camera or cable might be defective. Please reach out to our Customer Care to assist you further.

4

WHY DON'T I SEE ANY ICONS VISIBLE ON THE SCREEN OR CAMERA'S TOUCH SCREEN IS UNRESPONSIVE AFTER THE AVAILABLE FIRMWARE UPGRADE?



PROBLEM (DIAGNOSE)

The firmware update over the ROVE App was not installed properly. Either the camera's power supply got disconnected or the app accidentally closed/timeout during the update process or the installation of firmware did not reach 100% successfully.

ANSWER (SOLUTION)

This is an easy fix. Please reach out to our Customer Care to assist you with manually reinstalling the firmware to make your camera up and running again.

5

AFTER INSTALLING THE R3 ULTIMATE HARDWIRE KIT, MY R3 IS GETTING PROPER VOLTAGE BUT WHY DOES R3 RESTARTS WHEN THE OTHER ACCESSORIES IN MY CAR ARE RUNNING?



PROBLEM (DIAGNOSE)

You might probably be using low AMP fuse slot (5 AMP fuse), thus, when other accessory using the same fuse turns ON, the distributed power gets divided and the voltage of the fuse becomes less which is not enough to supply power to the camera causing it to restart.

ANSWER (SOLUTION)

Please use the 15A or 20A fuse so that it can maintain the voltage even when the voltage is distributed to another accessory.

6

WHY IS THE REAR CAMERA LIVE VIEW FEED NOT SHOWING ON THE R3 MAIN SCREEN EVEN WHEN CABLES ARE CONNECTED PROPERLY?**PROBLEM (DIAGNOSE)**

There could be four Possibilities:

1. The rear camera cable is connected to the sticky mount power port.
2. The rear camera's 2.5mm jack is not connected properly.
3. The rear camera is not securely connected into the front/main camera's rear cam's port.
4. You may have disabled the rear camera from the Video Resolution menu.

ANSWER (SOLUTION)

1. Rear camera must be connected to the rearcam/data/power port located at the top of the front main camera.
2. Please remove the 2.5mm Jack from the rear camera's female jack and then re-insert while ensuring those male/female prongs are set in place so you don't see the metallic 2.5mm pin.
3. Remove and re-insert the rear cam cable on the front/main camera unit on top. Push it gently until you hear a clicking sound to make sure that it is connected securely. (Make sure only to plug in the rear camera when the main (front) camera is turned OFF; otherwise, it may damage the rear camera)

4. Make sure to select "Front+Cabin+Rear" or "Front+Rear" option under the Video Settings>Video Resolution to enable the rear camera."

7

WHY ROVE R3 DASH CAM APP IS NOT STAYING CONNECTED TO ROVE R3'S WIFI WHILE INSIDE THE VEHICLE WITH BUILT-IN CAR WIFI + CAR APPLE PLAY ENABLED?



PROBLEM (DIAGNOSE)

The car's built-in WiFi network & CarPlay are interfering with R3's active Wifi. connection. Apple's iPhone will intelligently prioritize & switch to Wifi Connection that provides an active Internet Connection to your Car's Wifi hence R3's WiFi Will disconnect and reconnect to Car's Wifi by iPhone.

ANSWER (SOLUTION)

"For Car's with built-in Wifi & Apple Car Play 2016 & onwards Models.

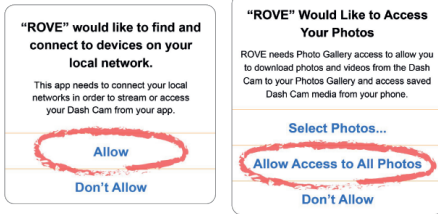
Fix #1: Disable CarPlay.

1. Open iPhone Settings
2. Choose Screen Time
3. Choose Content & Privacy Restrictions
4. Enable restrictions and then choose Allowed Apps
5. Disable CarPlay by turning OFF the Toggle.

NOTE

In order to get your car play working again, please reverse the above steps.

After the above Changes are made,



1. Uninstall/Reinstall the ROVE App, select Allow as shown.
2. Sign into the ROVE APP.
3. Reconnect to ROVE's R3 Wifi Connection.
4. You have now successfully connected to ROVE R3's Wifi & can use the APP to View/Download & Configure R3's Video/System Settings directly on the APP.

8

WHY R3 DASH CAMS VIDEO ARE RECORDED IN FAST-MOTION DURING PLAYBACK & UNABLE TO SEE THE VIDEOS AT NORMAL SPEED?



PROBLEM (DIAGNOSE)

The timelapse mode feature of the camera is enabled.

ANSWER (SOLUTION)

To make your video play at a normal speed, please set the TIME-LAPSE VIDEO = OFF by going into the Video Settings>Timelapse menu.

Now record a new video and test it again to make sure it plays video normally.

9

WHY CAN'T I CHANGE THE WIFI SSID AND PASSWORD?

**PROBLEM (DIAGNOSE)**

This feature was not added until the last update of our NEW Rove Dash Cam APP.

ANSWER (SOLUTION)

Please update the APP on your smartphone. This will allow you to change the WiFi SSID & Password accordingly by going to the app's Settings menu.

10

WHY DOES R3'S PARKING MODE GETS TRIGGERED AS THE CAR'S DOOR FORCE SLAMS?

**PROBLEM (DIAGNOSE)**

There could be two scenarios:

1. Your camera has the old firmware version installed which doesn't have the separate settings for Parking Mode G-Sensor yet and the G-sensor was set to Low Impact by default.
2. The Parking Mode G-sensor is set to low impact detection.

ANSWER (SOLUTION)

1. Update your R3 dash cam easily and remotely using the new ROVE App to have the recent firmware update.
2. Make sure to set the Parking Mode G-sensor feature accordingly so it will not give you a false positive alarm because of too much sensitivity. A slight impact like closing/opening doors or a small bump will trigger the

- Parking Mode feature if it is too sensitive. You can set the Parking Mode G-sensor level by going to the Video Settings.

11

WHY IS THE R3'S GPS SPEED & DIRECTION ALWAYS SHOWING N IRRESPECTIVE OF THE DRIVING DIRECTION?



PROBLEM (DIAGNOSE)

Your camera has the old firmware version installed which has a minor bug with the compass direction.

ANSWER (SOLUTION)

It can be fixed by updating your R3 dash cam easily and remotely using the new ROVE App.

Still Need Help or Have Questions?

Please feel free to contact our personalized support at help@rovedashcam.com. Most e-mails are typically replied within 4-6 hours. However, all questions are answered within 24 Hours. No Exceptions !! For customer service TEXT SUPPORT number please visit <https://www.rovedashcam.com>

A BIG THANK YOU!!



Thank you for purchasing your new *ROVE™ R3* Dash Cam. We hope you find your new dash cam useful and fun to use.

If you are having difficulties setting it up, please email us at help@rovedashcam.com. 99% of all setup problems can easily be resolved and should be able to get you up and running in no time.

In the unlikely event that we can't help, we're always happy to provide full, hassle-free refund. We just want our customer to be happy and proud to use *ROVE™* Dash Cam!

There is no perfect product, however we will always do our best to provide perfect customer service to you.

A Great care was taken while creating this user manual. It is possible that there are minor typos are there. If you find any mistakes or suggestions, please do let us know so we can correct it. Please visit our website for latest and updated user manual if available. We also frequently update other great contents that is very useful to our customers.

Camera upgrades, firmware, box contents can be changed without notice. Always see up to date information by visiting our website.



GOT QUESTIONS?



CUSTOMER SERVICE:



For faster response text us
1 (401) 484-ROVE(7683)



Response in just 6 hours
help@rovedashcam.com



Scan to Text US:
1-401-484-7683

HOURS

Mon - Fri 9am-5pm PST

Scan the QR Code to
CONTACT US



214-117668



Scan to Email US:
help@rovedashcam.com

FCC ID: 2A2OE-R3

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