

- 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 a 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.

📌 NOTE

When applying the electrostatic film on the car's windshield, avoid the car's dot matrix pattern for the sun block. Ensure all the bubbles are removed properly by using the credit card to slide them out.

- 5 Now, let's make sure the Mount is fully secured and locked in place.
- 6 Now, carefully peel off the RED side of the 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 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.

ABOUT CIRCULAR POLARIZER LENS (CPL)

The ROVE R2-4K DUAL PRO includes a **FREE** Circular Polarizer (CPL) Filter, designed to enhance video quality by reducing glare from dashboards, sunlight, and reflections. This optional accessory selectively blocks polarized light to improve color, contrast, and overall video clarity while also protecting your dash cam lens.

WARNING:

- Before attaching the CPL filter to the dash cam, **ensure the dash cam is powered off.**
- **Do not install or adjust while driving.**
- **Always handle with care** to avoid damage or smudges.
- **Clean the CPL with a microfiber cloth (included)** or a lens cleaning solution designed for optical glass.

NOTE

The CPL filter may reduce video quality in low-light conditions and should be removed for night driving.

Installation Steps

- 1 Power Off Dash Cam:** Before installing the CPL filter, power off and unplug your dash cam to avoid accidental damage.

- 2 Clean the Lens:** Use the microfiber cleaning cloth (included in the box) to remove any dust or smudges from the lens. Ensure the lens is clean before installing the CPL filter to avoid blurry videos.



- 3 Remove CPL Cover:**

Carefully remove the plastic lens cover from the CPL filter. Avoid touching the inside or outside of the CPL lens to prevent smudging or adding finger grease, which can blur your videos.



- 4 Align & Attach:** Screw the CPL filter onto the dash cam lens by aligning the threaded ring.



- 5 Adjust for Glare Reduction:** Rotate the front part of the filter while observing the camera viewfinder to minimize reflections.



- 6 Place White Paper:** Place a small white piece of paper on the dashboard, under the dash cam, and in the middle (away from the windshield) to create a reflection on the windshield visible in the camera's viewfinder.



- 7 Fine-Tune Glare Reduction:** Focus on the dash cam display and gradually rotate the front side of the CPL filter. Watch for any glare caused by the reflection from the white paper in the viewfinder. Continue rotating the filter until the glare is significantly reduced or disappears. Experiment with different angles to find the optimal position that effectively reduces glare while maintaining image quality.
- 8 Test the Filter:** Take recordings in various lighting conditions to ensure optimal performance.

NOTE

While the CPL filter effectively reduces glare, complete elimination may not always be possible due to specific lighting conditions.

TURNING YOUR CAMERA ON/OFF

AUTO POWER ON/OFF

- **Auto Power ON:** ROVE R2-4K DUAL PRO 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 turn itself OFF automatically within a few seconds when the power gets disconnected, i.e. when the car key is turned to LOCK position.

⚠ CAUTION:

Some trucks' or cars' 12V cigarette outlets are 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 options.

- Hardwire your dash cam to your car's fuse box with ROVE Ultimate USB Type-C Hardwire Kit.
Visit www.rovedashcam.com to purchase one separately.
- Change the connection in the fuse box for your 12V outlet to the socket which only supplies power when the car key is turned to ACC or ON position. (See this example-only video: <https://youtu.be/F5VL-pUCInc>)

MANUAL POWER ON/OFF

- **To manually turn ON:** Press the power button once.
- **To manually turn OFF:** Press and hold the power button for at least 2-3 seconds

📌 NOTE

Be sure to insert the Memory card before powering up the device. Do NOT insert/remove the memory card while the camera is turned ON. Only do so when it is turned OFF.

FIRMWARE UPDATE

Firmware updates for ROVE R2-4K DUAL PRO are provided OTA (over-the-air) using the ROVE Dash Cam APP for iOS and Android Devices.

To check/Update Firmware:

- 1 Please connect your R2-4K DUAL PRO to the ROVE Dash Cam APP using the WiFi Feature. (See Page 43)
- 2 Click "Firmware Update" from the left navigation menu while staying connected to R2-4K DUAL PRO using WiFi Feature.
- 3 Please follow on-screen directions to complete firmware updates.

NOTE

Please reach out to customer care if you are having trouble in installing firmware when using the ROVE APP.

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 or built-in Supercapacitor (i.e., ROVE R1, R2-4K, R2-4K PRO, R2-4K DUAL, R3) 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 R2-4K DUAL PRO 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 last for years and they do not pose a risk of fire compared to Li-ion battery dash cams.

The secondary benefits of a supercapacitor dash cam are as follows:

- Supercapacitor is more reliable because it is more heat resistant compared 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 R2-4K DUAL PRO's Supercapacitor will hold the charge for about 2 seconds.

Why Supercapacitor?

ROVE R2-4K DUAL PRO 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
	WiFi On Indicator
	WiFi Off Indicator
	GPS Indicator
	GPS Not Connected
	Time lapse Video
	Emergency Video Lock
	Loop Recording ON + Number Indicates your selection
	High Dynamic Range (HDR)
	Exposure Value
	G-Sensor
	Memory Card Installed
	Memory Card NOT Installed Memory Card Is Defective

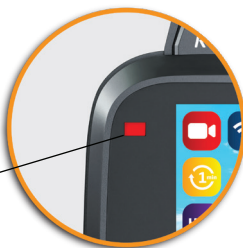
ICONS	WHAT DOES IT MEAN?
	24HR Auto Trigger Parking Mode ON - HWK Connected
	Parking Mode OFF
	Microphone ON
	Microphone OFF
	Video Recording Started
00:02:09	Loop Recording Timer
015:00:44	Total Trip Time
2160P30+1440P30	Current Video Resolution
02:35:21 PM	Current Time
01/01/2025	Current Date
SE	Compass Direction
42 MPH	Live Speed
	Snapshot

LED STATUS LIGHT INDICATOR


BLINKING RED LED - Recording Video

SOLID RED LED - Not Recording Video

NO RED LED - Camera is Turned OFF



When Camera Is Plugged Into The POWER

	Solid	Camera Idle
	Blinking	Camera Recording Video

WHICH MEMORY CARD SHOULD I GET?

ANSWER: We recommend using the included ROVE PRO 128GB microSD Card. If you like to upgrade your storage, we strongly recommend **ROVE Ultimate** or **ROVE PRO** Memory Cards up to 1TB. At ROVE, We have higher standards, 1-Year Hassle Free Warranty and we have specifically designed our



memory cards to work with our dash cams. In order to save time, money, and hassle in the long run, we simply recommend our ROVE microSD Cards. See a few details below to understand why?

FAQ ABOUT MEMORY CARDS:

1

WHY SHOULD I GET ROVE MEMORY CARDS?



ANSWER:

Memory card is an important part of your dash cam setup. The most important piece of evidence is collected in your memory card which is the video evidence.

- Over the years of experience, we have recommended various memory cards to our customers, because we thought a memory card is a memory card, how bad it can be, especially from big brand names. However, based on our experience since 2015, we have learned that there are too many different types of memory

cards there in the market. Some are cheap, some are expensive, some are fast, some are slow, some are good and some are bad, some will last for long and some will last short duration. There are too many factors to consider when it comes to memory cards, sizes, types, and their quality and reliability.

- Every now and then a customer will reach out to us stating their dash cam didn't record the video of an event that they were involved in. This happens when the memory card has failed too soon and they didn't check. What's the point of having a good dash cam but a cheap memory card will fail you? Then the whole point of investing in a peace of mind dash cam is simply to fail. That is why, to save time, money, and hassle in the long run, we strongly recommend you to invest in a **ROVE Ultimate** or **ROVE PRO** microSD Card.

2

SHOULD I ONLY GET THE ROVE MEMORY CARDS?



ANSWER:

NO, you can get any brand memory card as long as it is class 10, U3 speed. We absolutely do NOT recommend Samsung or SanDisk memory cards, based on our experience over the years helping our customers with troubleshooting issues.

However, one thing to note is that if you get another brand card, we can't say anything about its quality and how long it will last. Generally, your return window closes within 30 days of purchase. So, for example, if your other branded memory card becomes bad after three months, etc., then you have to take the warranty with them, and we can't promise how they will help with the replacement process. Therefore, with that said, to save time,

money, and hassle on going back and forth fighting with which card to get, we simply now recommend our **ROVE Ultimate** or **ROVE PRO** microSD Cards. At ROVE, we have higher standards. Because in the long run, we all want the camera and memory card to just work without any issues because we need peace of mind, and we have better things to do in life than fight to find a simple memory card.

3

WHAT COULD HAPPEN IF I USE A THIRD PARTY MEMORY CARD?



ANSWER:

Most likely it will work just fine. However here are the lessons learned over the years from helping our customers.

- You might get missing videos after some months of usage of other brand memory cards. Why?
- Because after a certain write cycle, depending on the type of flash memory being used inside, the data cell may become bad sectors. When that happens, the dash cam might freeze up or may have missing videos. Which is something we don't want. Your dash cam may also give you an error related to your memory card stating the memory card speed is too slow or defective memory card etc.

We hope this was helpful and informative in choosing the right memory card. Please feel free to reach out to us if you have any questions or concerns.

INSERTING/REMOVING A microSD CARD

- Must use the included 128GB ROVE PRO or only Brand Name, Class-10, U3, or higher speed microSD Card. Max Support 1TB.
- We Recommend **ROVE Ultimate** or **ROVE PRO** Class 10, U3 Speed microSD Card. You can purchase it from Amazon here:

Search: "ROVE Ultimate microSD Card"

Visit: www.amazon.com/dp/B0DC56YKFT

or

Search: "ROVE PRO microSD Card"

Visit: www.amazon.com/dp/B0DC56HLX4



1 TO INSTALL

Make sure the camera is turned OFF First. Then align the GOLD CONTACTS facing towards the front of the camera (Lens Side). Then insert the memory card halfway in. Then use the 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 microSD 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 microSD card, gently push its edge inward until it clicks, and once it pops out, simply pull it out of the slot.

NOTE

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 R2-4K DUAL PRO Dash Camera is a High Bit-Rate 4K Video recording device, which requires High Speed Rating SPECIFIC microSD Cards.

Absolutely do NOT buy Sandisk or Samsung Cards. Do NOT Purchase it from third party seller on eBay or any online place. Otherwise they may be fake cards and will NOT work.

FORMATTING MEMORY CARD

- 1 Press **OK** to STOP video recording first or to clear the error message. If you have any on the screen.
- 2 Please press the **MENU** button once to enter the Video Settings.
- 3 Press the **MENU** button again to switch to the System Settings.



- 4 Then press the **▼** button to scroll down until you see **FORMAT** >> Then press the **OK** button to enter format submenu. >> then press **▼** button to highlight the **FORMAT** >> Then press the **OK** button to confirm to format the memory card (The formatting process will be super quick. Now press the **MENU** button to exit the settings).



Press **OK** button to make sure your Memory card is formatted.



NOTE

- We recommend that you format the memory card every 3 months to keep it clean for smooth operation.
- Please note that memory cards have their own 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 the 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	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 <https://greenwichmeantime.com/time-zone/abbreviations/> to find out your Correct GMT (Greenwich Mean Time) value based on your location outside of the USA

NOTE

The Time zone setting will not change time automatically when driving through different time zones. It will only set the accurate date and time based on the selected GMT timezone.

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 a WiFi signal (instead of Bluetooth) to pair your smartphone with ROVE R2-4K DUAL PRO.

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 a WiFi signal outside your home, in the same way, the WiFi range is 10M from this small device.



Can I watch the videos or surveillance around my car remotely?

NO. ROVE R2-4K DUAL PRO 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 R2-4K DUAL PRO's APP as long as you stay within the 10M range from the dash cam.

Pairing your R2-4K DUAL PRO with your Smart Phone using WiFi

STEP 1: Search & Install the ROVE APP

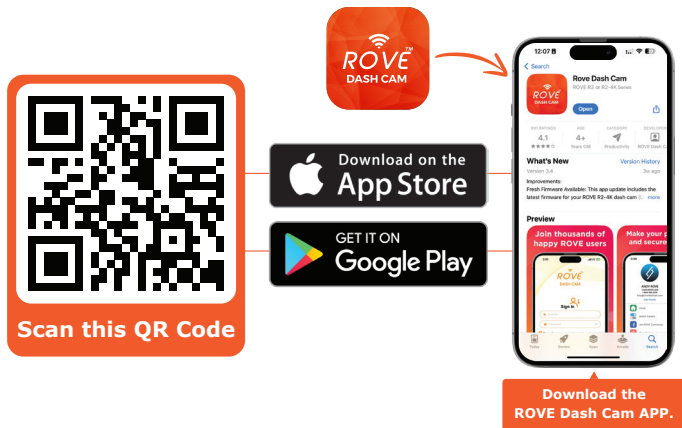


1

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

NOTE

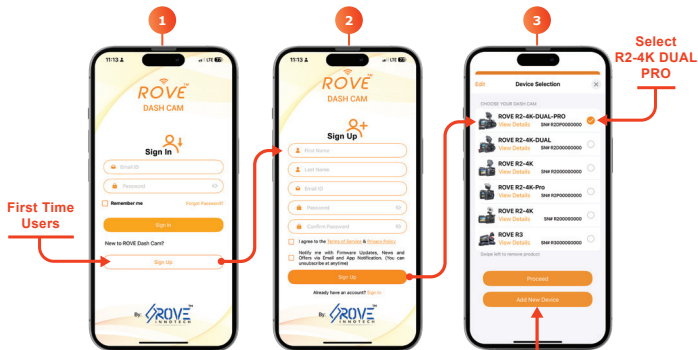
ROVE R2-4K DUAL PRO's WiFi Connection pairing does NOT broadcast the internet. The WiFi Connection to ROVE R2-4K DUAL PRO is meant to transfer the data between your phone and the ROVE R2-4K DUAL PRO dash cam.



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

IMPORTANT:

Do NOT Connect your iOS/Android device to R2-4K DUAL PRO'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 on your device. (To register - you will need internet access, so make sure to stay connected to the 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 to your ROVE account mostly unless you get logged out.

If you ever need to sign back into your ROVE account again, then you will need to be connected to the internet first, then login to your account before pairing with ROVE R2-4K DUAL PRO's WiFi.

STEP 3: Turn the WiFi ON from the R2-4K DUAL PRO's Settings



CONNECTING R2-4K DUAL PRO's DASH CAM WITH SMART PHONE:

- 1 **TURN ON WIFI FROM THE CAMERA:** Long press  the Emergency LOCK BUTTON for 2 seconds or go to the camera's SYSTEM SETTINGS to turn ON the WiFi feature.
- 2 Now open the ROVE app on your smartphone, and click on the "Connect to ROVE Dash Cam WiFi" button." This will open up your smartphone's WIFI setting now; look for a WiFi network named "ROVE_R2-4K-DUAL_PRO*****"on the lists.

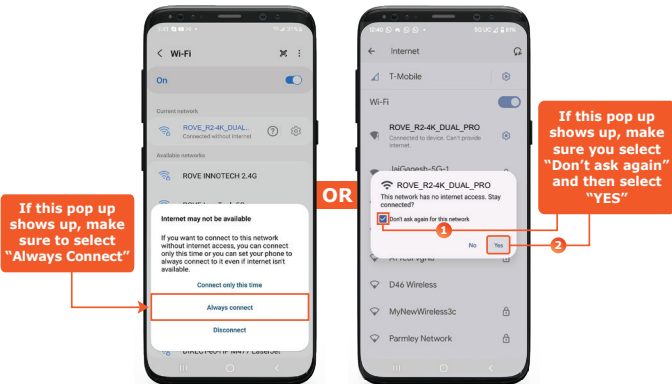
NOTE

Don't see ROVE WiFi SSID? Try Changing WiFi Mode from 5.0GHz to 2.4GHz within Dash Cam's System Settings Menu.

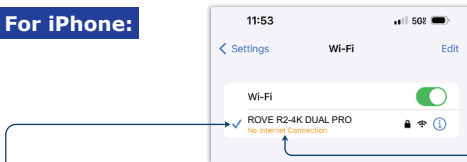
- 3 Join the "ROVE_R2-4K-DUAL_PRO*****" network using a default password displayed on your dash camera's screen. (Default Password: 12345678)
- 4 After connecting your smartphone to the ROVE Dash Cam's WiFi, open the ROVE App. If you've previously added this Dash Cam, select your ROVE dashcam model & press PROCEED. Otherwise, tap "Add New Device" and follow the on-screen steps to add your R2-4K DUAL PRO Dash Cam's WiFi successfully for first time use. Now you are all set to access your recording from the ROVE App.

For Android phones:

There is one extra step you will have to take for the first time. Once you connect to ROVE R2-4K DUAL PRO 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:



For iPhone, it will display or show **"No Internet Connection"**, which is normal and you can ignore this message. As ROVE R2-4K DUAL PRO does NOT provide the internet, so the iPhone will show this message. You are only making a connection between your iPhone and R2-4K DUAL PRO using the WiFi. Once you see this ☒ Blue Check Mark, you are connected to the ROVE R2-4K DUAL PRO'S WiFi. You can simply proceed to open the ROVE Dash Cam APP at this point.

UNDERSTANDING 2 – CAMERA MODES

ROVE R2-4K DUAL PRO has 2 different camera modes:

1 VIDEO MODE

2 PLAYBACK MODE

TO SWITCH MODE:

Press & Hold  button for 2-seconds.

NOTE

- Each Mode has their own separated Menu settings.
- System Settings are common among all the two Modes.









1. VIDEO MODE:



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



While in the Video Mode:

- Press  button to Start/Stop video recording manually.
- Press  button Once to take a snapshot.
- Press  button to Mute/Un-Mute Microphone.
- Press  button to switch the front and rear view.
- Press  button once to enter Video Setting.
- Press  button twice to enter System Setting.
- Press  while video is being recorded to manually lock the video, so it will not get deleted by loop cycle function.
- Press & Hold  to turn ON/OFF WiFi.

2. PLAYBACK MODE:

Playback mode lets you play your Video file or photos. It can even let you delete or lock any videos while viewing it.



While in the Playback Mode:

- Press **OK** button to Play/Pause Video.
- Press **Left Arrow** button to scroll to Previous (<) video file.
- Press **Right Arrow** button to scroll to Next (>) video file.
- While Video is being played, press **Down Arrow** button to FF Video playback up to 8x.
- While Video is being played, Press **Up Arrow** button to REVERSE FF Video playback up to -8x.
- Press **MENU** button to enter Playback Setting Menu.
- Press & Hold **MUTE** to turn ON/OFF WiFi.

Playback Your Recorded Videos

There are 3 different ways you can access your videos.

A. Directly On The CAMERA by switching to the PLAYBACK MODE



1





You can do this by pressing and holding the **MENU** button for two seconds so it will switch from Video mode to Playback mode.

2

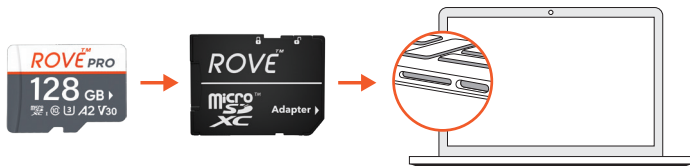


Use the on-screen navigation button and use the  /  button to scroll your videos.

Press  to play video. Press  to go back to video list.

B. On PC/MAC

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



NOTE

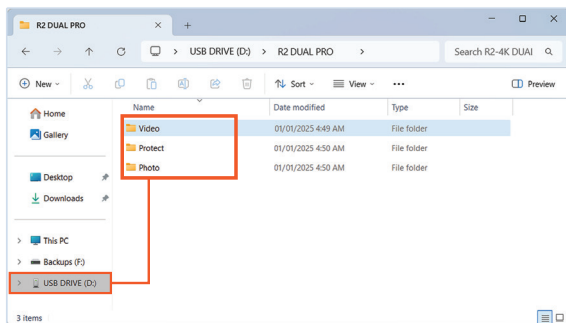
You can't connect R2-4K DUAL PRO to Computer directly. We suggest removing the memory card from the dash cam and insert it directly to the computer to transfer data. Or you can also use ROVE APP and WiFi transfer speed of 30MBps to download necessary videos.

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

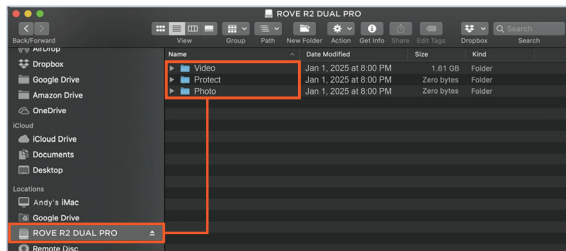
Then simply go to MY PC or Folder, then look for the added flash drive. You should be able to see drive "D" or "E" or another name depending on the pre-installed hard drives.

Once you find the added flash drive, double-click on it, then you will see the R2-4K DUAL PRO folder where you will find your unlocked videos. You will also see a folder named "Protect" which means read-only, where you will see your locked videos.

PC

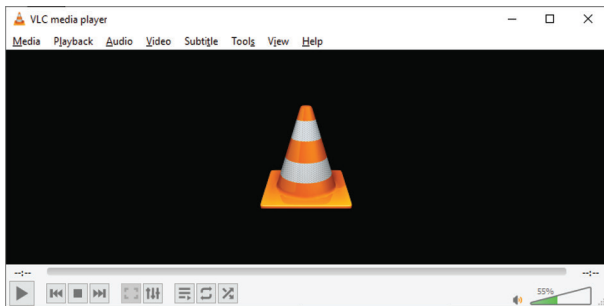


MAC

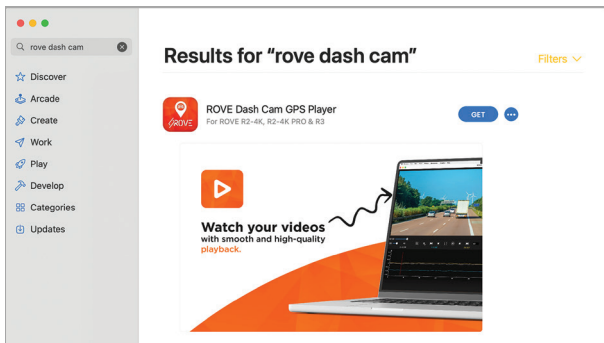


Correct Video Player To Play 4K VIDEOS

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



You can also utilize our ROVE Dash Cam GPS Player. Simply visit the Mac App Store, search for 'ROVE Dash Cam,' and download the **ROVE Dash Cam GPS Player**.





ROVE Dash Cam GPS Player

C. On Smart Phone

To play on Smart Phone, simply turn on WiFi first from the camera, then connect the ROVE R2-4K DUAL PRO WiFi by entering the default password "12345678"

Once connected, simply open the correct ROVE APP for your model. Please note that the ROVE R2-4K DUAL PRO model uses "ROVE Dash Cam" App only. So make sure you are using the correct App And make sure to select the correct model from the left navigation menu within the APP.

(For more step-by-step instructions about the WiFi features see page 42 for details)