

# RICILAR



## Car Dash Camera USER MANUAL



Model: CR612

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# Introduction

Thank you for purchasing our product. We hope this user manual helps you get started with basic features that our camera offer. This camera is equipped with 4K+ 2K@30FPS camera display. It has advanced built-in Wi-Fi, GPS, G-Sensor, built-in WDR and HDR, Emergency Video lock button, Auto-Record, Audio recording, Loop cycle recording, etc.

## Safety Information

1. Please read this instruction manual carefully before using the camera. It contains important information for your safety, operating, and maintenance instructions.
2. Follow all safety precautions to prevent damage due to improper use of the camera.
3. In the event of improper use or erroneous handling, no liability can be assumed for any possible damage which may occur.
4. You should not install this dash camera at a place that would obstruct or reduce a driver's view. Make sure your usage complies with pertinent vehicle codes of your state, province, territory, or country.
5. You should release the required record notification to the occupant in the car if you record sounds or other information/signals related to car activity.
6. You should avoid extended exposure of the dash cam to direct sunlight or extreme temperatures (either high or low temperature), which tend to degrade or damage the unit and its normal functionality.
7. You should check and verify the camera every month, including the memory card, to ensure the video reception and recording are working properly. You should verify that the camera unit, the visible lights, and the audible sounds are working normally for each use.
8. Do not try to open the cover or repair it yourself. If the accessories for this device have any problems, please contact the seller for assistance.
9. Pay careful attention when cleaning the lens surface. Use a soft, moist cloth to clean the lens to avoid compromising video quality.
10. You should use the camera unit in the way it is intended. You should not use the dash cam unit in a way that would be illegal or that tends to physically damage the unit, or tend to cause danger to the safe operation of the vehicle or the occupants.
11. Do not operate or install the camera while driving, attempt to change any setting, etc.
12. If any damage is caused by failure to follow the instructions, the warranty will be voided.

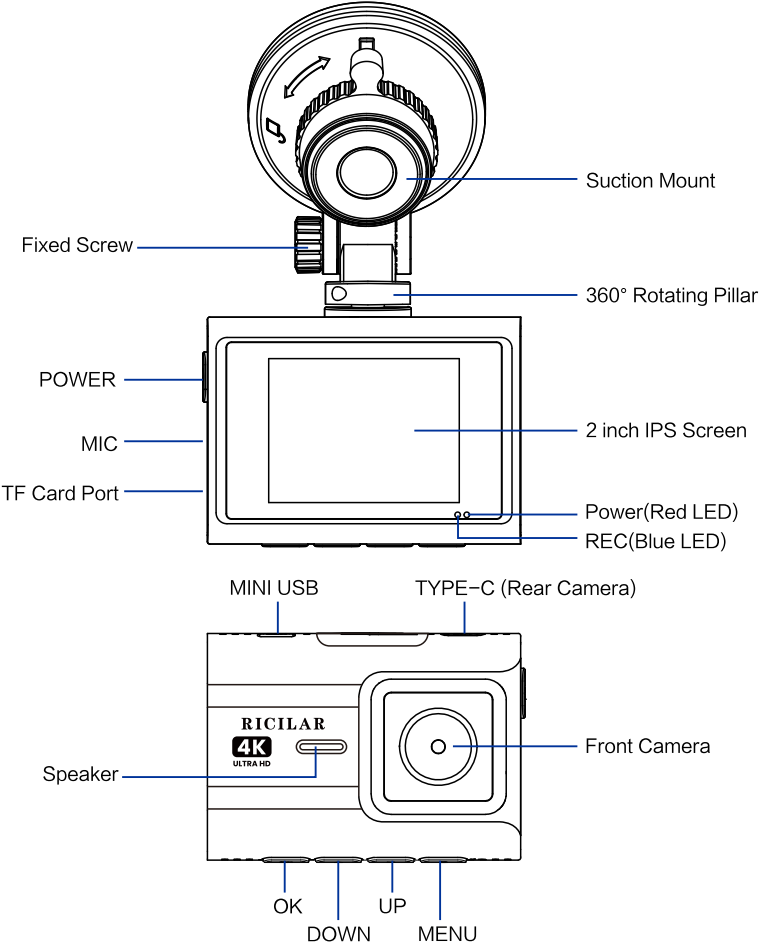
## Getting Started

- Before installation, please check the accessories carefully to ensure that the product and accessories are correct and complete.
- During installation, be sure not to insert the car key into the power supply and do not insert or remove any machine accessories like micro SD card or rear camera when the dash cam is on. These actions should be done when power is turned off.
- When the car key is plugged into the vehicle, the dash cam will turn on automatically. Please check whether the function of power on/off the front and rear cameras display are normal.
- If you need to download the recording videos and images, please turn off the camera first before removing the micro SD card.
- You must use U3 high-speed card (recommended capacity 8GB–256GB). Lower than U3 will cause video stutter, black screen, and video cannot be recorded or played.
- Do not remove the Micro-SD card while it is saving or reading data.
- Make sure to remove the plastic screen protector on the lens and the screen before recording videos. Otherwise, your videos will look blurry and out of focus.

## Standard Package Contents

- 1 x 4K Dash Camera
- 1 x 2K IP68 Rear Camera
- 1 x Car Charger (11.5 ft)
- 1 x Rear Camera Cable (20 ft)
- 1 x Car GPS
- 1 x 360°Suction Mount
- 4 x Cable Clips
- 1 x Car Wiring Trim Tool
- 1 x User Manual

# Product Overview



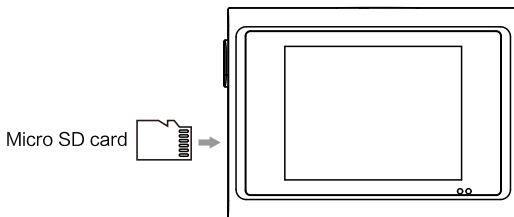
# Buttons and Functions

|                                                                                   |              |                                                                             |
|-----------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------|
|   | POWER BUTTON | Press and hold to power On/Off                                              |
|                                                                                   |              | Press once to switch among front/rear camera/front & rear camera            |
|   | MENU BUTTON  | Press once to enter menu setting from standby mode                          |
|                                                                                   |              | Press once to return menu page from detailed setting mode                   |
|                                                                                   |              | Press once to lock/unlock current video file during video recording         |
|                                                                                   |              | Press and hold to WIFI on from standby mode, press once to exit             |
|   | UP BUTTON    | Press once to go to previous selection under setting mode                   |
|                                                                                   |              | Press once to control the recorded audio On/Off under video recording mode. |
|                                                                                   |              | Press once to enter file browsing mode from standby mode                    |
|                                                                                   |              | Press once to scroll to previous video file in play page                    |
|   | DOWN BUTTON  | Press once to go to next selection under setting mode                       |
|                                                                                   |              | Press once to Parking Mode On/Off in standby mode                           |
|                                                                                   |              | Press once to take a photo under video recording mode                       |
|                                                                                   |              | Press once to scroll to next video file in playback page                    |
|  | OK BUTTON    | Press once to confirm the selection under setting mode                      |
|                                                                                   |              | Press once to start/stop recording under video recording mode               |
|                                                                                   |              | Press once to play/stop play current video file under play mode             |

|                                                                                   |                     |                                                                         |
|-----------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------|
|  | Red Light           | Indicator light is on when the device is powered                        |
|  | Solid Blue Light    | Indicator light is on when the device is powered on                     |
|   | Flashing Blue Light | Indicator light is flashing when the device is powered on and recording |
|  | Battery Status      | Battery charging                                                        |
|   |                     | Battery Full/Battery Low/Battery Lower                                  |
|  |                     | Battery exhausted                                                       |

# Installation

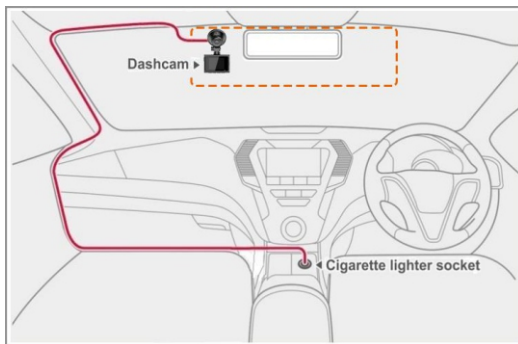
1. Insert the micro SD card into the mirror dash cam. Max support 256GB.



Please make sure the camera is turned off first. Then align the gold-plated contacts facing towards the back of the camera (Screen Side).

Then insert the memory card half way in. Then use the finger nail or a paper clip to push the card all the way inward until it clicks and locks in place.

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



2. Clean the spot on your windshield where you want to mount the camera and confirm the placement. We recommend installing the camera near the rear view mirror of the driver's opposite side.

3. Next, press the bracket firmly against the windshield.

4. Install the rear camera on the rear windshield using the adhesive tape or near the license plate using screws.



5. Plug the supplied car charger into your vehicle's accessory port and the other end into the micro USB port. Route the cable alongside the interior trim for better looking.

6. Format the micro SD memory card by going to Menu > System Settings > Format, then select Yes.

# Basic Operation

## POWERING ON

The device will power on automatically when connected to power and can also be powered by pressing the power button.

## POWERING OFF

When power is disconnected, the device will save the last video file and power off.

## VIDEO RECORDING

After the car engine is switched on, the camera will turn on automatically and start recording.

## NAVIGATING MENUS

Press the OK button first to stop recording and then press the MENU button to enter menu setting. When in a menu, press DOWN or UP button to navigate to the menu then press OK to select or change the option associated with that item. Pressing MENU button at any time will exit the menu without saving changes.

# Setting Interface

The setting interface can be divided into record settings and system settings.



# Record Settings



## Resolution

This setting allows you to set the video recording resolution. 4K +2K is for dual-camera recording.

## Loop Recording

This setting allows you to control the duration of each loop clip. It will delete the oldest files and record newer files over and over when the memory card is full. Video can be set to 1 minute, 3 minutes, 5 minutes, or OFF. If you set it OFF, the recorded video will be seen as a video file. It is recommended to set the duration here; otherwise, once the memory card is full, the whole video will be deleted to make room for new videos. Default is 3 minutes.

## Dual Cam Display

This setting allows you to control the display screen of each camera. It can be set to Front, Rear, or Front&Rear.

## Record Audio

This device has a built-in microphone so you can record audio along with the video. You can toggle off if you prefer not to record audio.

## Date Stamp

This option allows you to turn ON or OFF if you want the time and date to appear at the bottom of the video.

## G-Sensor

G-Sensor is a 3-axis impact gravitational accelerometer designed to detect physical and gravitational forces on the car. Once G-sensor is triggered due to physical or gravitational impact force on the car, the current video file will be locked as an emergency file to avoid getting overwritten. Off / Low / Middle / High for optional, default is Middle.

# System Settings



## Screen Saver

Turn the screen off after a set time of no activity to prevent driver distraction. The camera will continue recording, and the screen can be woken up by pressing any buttons—options 30 sec, 1 minute, 3 minutes, or OFF. If you set it OFF, the screen will keep lighting.

## Time Display

This option allows you to turn ON or OFF with the display screen of clock.

## WiFi

This feature will allow you to turn WiFi broadcast from the camera so you can connect your phone with the dash camera to access videos, photos and settings.

## Date/Time

Set system date and time.



## Time System

Set the time system of 12 hours or 24 hours.

## Beep Sound

Turn the sound on or off for each time a button is pressed. ON/OFF.

## Language

Set the on-screen display language to English, Simplified Chinese, Traditional Chinese, French, Spanish, German, Italian, Japanese, Korean, Russian, Arabic, etc.

## Parking Monitor

This dash cam parking monitor feature is configured to record in a time-lapse configuration. It is very useful for other non-collision incidents that may occur when your vehicle is parked in a busy parking lot. Options OFF / ON, default is OFF.



## Frequency

Here you should choose the frequency accordingly to your power supply specification used in your country based on your geographical location. 50Hz or 60Hz.

## Fatigue Driving Reminder

You can also set a driving time reminder to prevent fatigue driving of 1 hour, 2 hours, 4 hours, or off. Default is OFF.

## Time Zone

You can also set the GMT time-zone value so the camera will set the date and time based on the GMT value selection when it receives the GPS signal lock. Time zone will not change automatically when it starts/ends daylight saving time, please adjust manually.

## GPS Information

The GPS signal will show if the camera is receiving the signal successfully. With this feature, you can also check the location (longitude and latitude) or driven route when you playback the video using the dedicated GPS player.



## Format

Please format the micro SD card before using with the camera.

## Default Setting

Click to reset system setting to default. NO or YES.

## Version Info

To check the dash camera system firmware version.

# File Browsing



Press the UP button in standby mode to enter the file browsing.

Playback mode allows you to review the saved video footage and playback the video.

To select a video for playback, navigate using the up and down button, then press the OK button to play.

|                      |                 |                            |                  |                 |
|----------------------|-----------------|----------------------------|------------------|-----------------|
|                      |                 |                            |                  |                 |
| Ordinary video files | Lock video file | Parking Monitor video file | Front video file | Rear video file |

# App Introduction

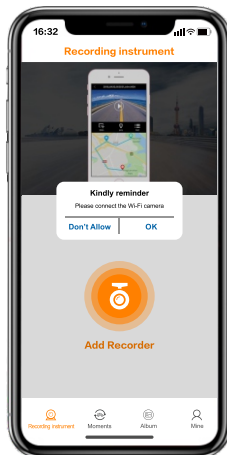
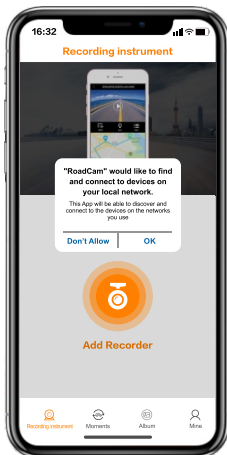
This camera uses the RoadCam App, which allows you to turn WiFi broadcast from the camera to connect your phone with the dash camera to access videos photos and manage some camera settings.

## Download & Setup

1. Search for “RoadCam” on App Store, Google Play, or by scanning the QR code below:



2. Allow app permissions.

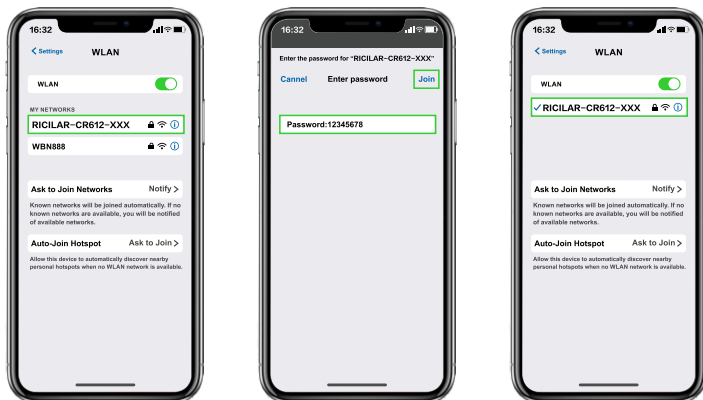


3. Standby mode press MENU> On SSID RICILAR-CR612-XXXX and password 12345678 will appear on the camera screen;

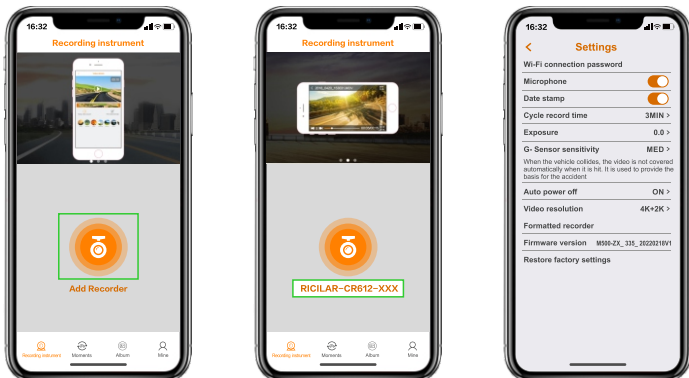
Turn on the camera's WiFi by pressing the Menu > System Settings > WiFi > On SSID RICILAR-CR612-XXXX, and password 12345678 will appear on the camera screen.



4. Navigate to your smartphone's WiFi settings and look for the SSID RICILAR-CR612-XXXX network and enter the password 12345678 to connect.



5. Open the app RoadCam click the "Camera" icon to connect the dash camera to the app. When you see your camera's SSID, it means you have connected successfully.



In the app preview mode, press the cog  or settings icon on the top right corner to enter if you want to make any changes with the camera setup.

6. Click on the video icon from the app home screen to access all recorded videos saved in the Micro SD card. You can download, delete or even play videos from the app.



# GPS Player Software

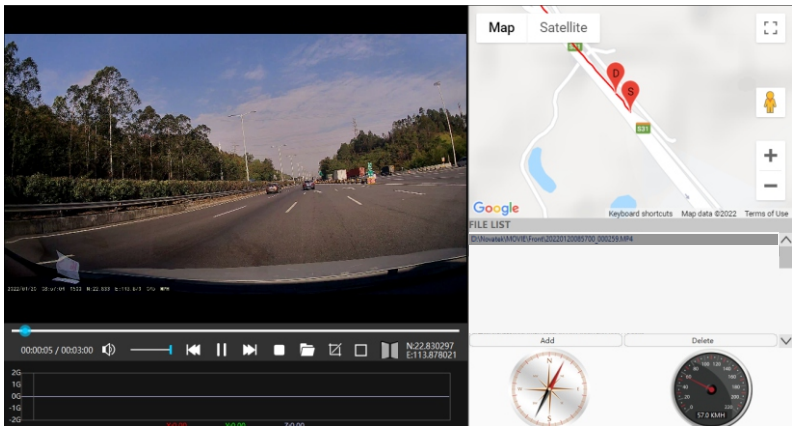
Use the device that comes with a player

- GPS Player for Windows (Windows7, Windows8, Windows10)
- GPS Player for Mac (Mac 10.11, Mac 10.11 above)

Simply remove the memory card from the camera and insert it directly into the PC, then find and install GXplayer.exe

With this player, you can play your videos on your computer screen with GPS information, driving route, vehicle's speed, distance, position, data displays, and maps.

## GPS player uses interface



# FAQ

## **Q: Video is fuzzy?**

A: Please make sure the camera lens is clean and no dirt on the windshield .

A: Remove the plastic screen protector on the lens and screen display. (See page 3)

## **Q: Camera showing Memory Error.**

A: Please ensure that the memory card is U3 high-speed card (8GB-128GB) and format before using.

## **Q: Menu button/buttons not working.**

A: Press the OK button first to stop recording and then press the MENU button again.

## **Q: Camera locks many videos automatically?**

A: Please make sure you manage the G-sensor setting. This setting depends on the type of car or truck you are driving and how much vibration your car/truck is creating based on suspensions and road conditions.

## **Q: Camera gets hot?**

A: It is normal for your camera to run slightly hot.

## **Q: Why can't my MP4 video play?**

A: First, browse the video in the camera, repair the damaged file, and it would be ok when playing on the computer. Or use the GPS player that will be found in memory files when you plug the memory card into the computer.

## **Q: Micro SD Card is not going in.**

A: Please make sure you align the micro SD card correctly with gold contacts facing towards the screen. (See page 7)

## **Q: Date and Time are not staying the correct.**

A: Please go to the camera's System Settings > Time Zone > Set the correct GMT value > OK to confirm. Every time you have a GPS signal. You will always have the correct date and time.

# Specifications

|                               |                                                                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                         | CR612                                                                                                                                                                                      |
| Processor                     | Novatek 96670                                                                                                                                                                              |
| Sensor                        | Sony IMX335(Front) / Sony IMX335(Rear)                                                                                                                                                     |
| Front camera video resolution | 4K (3840 × 2160P) @ 30FPS                                                                                                                                                                  |
| Rear camera video resolution  | 2K (2560 × 1440P) @ 30FPS                                                                                                                                                                  |
| Field of view                 | Front 170° / Rear 140°                                                                                                                                                                     |
| Video code                    | H.265 MP4                                                                                                                                                                                  |
| Audio                         | Built-in microphone                                                                                                                                                                        |
| Screen size                   | 2Inch IPS                                                                                                                                                                                  |
| Connectivity                  | WiFi                                                                                                                                                                                       |
| WDR                           | Built-in                                                                                                                                                                                   |
| HDR                           | Built-in                                                                                                                                                                                   |
| App                           | RoadCam                                                                                                                                                                                    |
| Memory                        | Micro SD up to 256 GB ( Not Including )                                                                                                                                                    |
| Auto turn On/Off              | Yes                                                                                                                                                                                        |
| Holder                        | Suction mount                                                                                                                                                                              |
| Power supply                  | Built-in battery 300mAh                                                                                                                                                                    |
| Working temperature           | -10℃ – 70℃ / 4°F–158°F                                                                                                                                                                     |
| Dimensions                    | 70 × 50 × 30.8 mm                                                                                                                                                                          |
| Menu languages                | English, Simplified Chinese, Traditional Chinese, French, Spanish, German, Italian, Japanese, Korean, Russian, Arabic etc                                                                  |
| Features                      | 4K+ 2K Camera Resolution, GPS, WiFi, WDR, HDR, Parking Monitor, Screen Saver, Date Stamp, G Sensor, Loop Recording Time Lapse, Auto Start Recording, Audio Video Recording, Key Sound Etc. |
| Power supply                  | Car charger input: 12–24V, output: 5V–2A DC                                                                                                                                                |

## Warranty

Your piece is warranted for a period of 12 months from the original date of purchase under the terms and conditions of this warranty.

The warranty covers manufacturing defects but does not cover loss, damage, breakage, changes in appearance, kinks, or the gradual degradation of all or part of the goods due to normal wear, mishap, careless handling, improper use, or use outside of our care instructions.

CONTACT TO ACTIVE YOUR WARRANTY OR GET SOME SUPPORT

E-MAIL: [support@ricilar.com](mailto:support@ricilar.com)

Or you can SCAN the QR Code



# **RICILAR**



**Car Dash Camera**

## **USER MANUAL**

**Model: CR612**

**FCC Warning Statement**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

**FCC Radiation Exposure Statement**

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.