

Model Number: 035-0724-6

RELOAD

DUAL HD DASH CAMERA



Care!

Please read this manual carefully before using and keep it for future reference.

**INSTALLATION AND
OWNER'S MANUAL**

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INTRODUCTION

Thank you for purchasing RELOAD dash camera which protects and captures incidents in front and behind your vehicle while driving. Mounted on your car's front and rear windshield, the cameras record video in Full HD 1080P + Full HD 1080P at the same time to ensure all the moments of your trip are recorded. This User Manual will give you step-by-step instructions and advice to help you get the best experience from your new device. Please read it carefully before using the dash camera.

PACKAGE CONTENTS

The RELOAD dash camera package includes the following items:

- Front Camera
- Rear Camera
- Rear Camera Cable
- Suction Cup Mount
- Mini USB Cable
- Car Adapter
- 16 GB MicroSD Memory Card and Card Adapter

FEATURES

2-Channel Recording:

Front Camera: Full HD 1080P @30fps resolution,

Rear Camera: Full HD 1080P @30fps resolution

2.7 inch color LCD screen

130 degree wide angle lens (diagonal)

Free 16GB MicroSD memory card

Support memory card up to 256GB

Screenshot function lets you capture picture while recording

Emergency recording

SAFETY PRECAUTIONS

These usage and safety guidelines are IMPORTANT! Please follow them carefully to ensure your own personal safety and help protect your dash camera from potential damage.

- For in-car use only.
- It's dangerous to operate the dash camera while driving. Please always operate the camera when the car stops.
- Avoid using or storing the dash camera in an extreme temperature environment.
- Only use the provided car adapter. Using the other car adapters may cause unknown problems.
- If your car's lighter socket continues to provide power after the engine is switched off, unplug the dash camera when the engine is off or idling to reduce unnecessary power consumption and prevent any unexpected problems.

Mounting Location

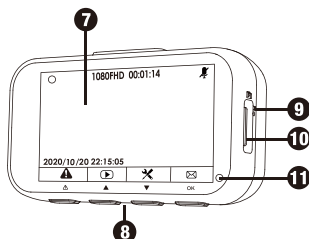
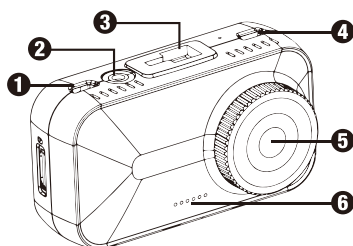
- Never place the dash camera where the driver's view or deployment of airbags is obstructed.
- Mount the dash camera within range of the windshield wipers to ensure clear visibility in rain.

Backing up Data

- Canadian Tire never takes any responsibility for data loss or damage during operation. We strongly advise that you back up the important data in your memory card to a computer or other storage medium as soon as possible.
- To ensure Hi-Speed USB 2.0 data transfer rates when connecting your dash camera to a computer, please check that the computer has the 2.0 USB drivers or above.

GETTING STARTED

1. Know Your Dash Camera

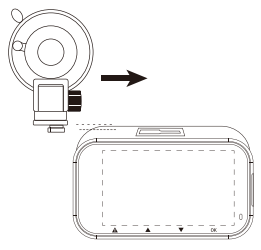


No.	Description	No.	Description
1	Rear Camera Connection Port	6	Microphone
2	GPS Input (<i>The external GPS box is not compatible with this product</i>)	7	Screen
3	Mount Locking Clip	8	Control Buttons
4	Mini USB Power Input	9	Reset Button
5	Lens	10	MicroSD Card Slot
		11	LED Status Indicator

2. Mounting The Camera

1. Decide the mounting location of the front camera -- It's suggested to put the device around the area of rear view mirror to have better view.
2. Clean mounting area of the windshield thoroughly with a piece of clean cloth.
3. Attach the camera to the mounting bracket and tighten the screw (Fig. A).
4. Connect the camera with car 12V/24V socket with the provided car adaptor.

Fig. A



GETTING STARTED

5. Attach the device to the desired windshield location and then adjust the camera position to have the best view. Screw the knob tightly after the camera position is adjusted.
6. Decide the mounting position of the rear windshield. It's suggested to put the device in the middle to have the better view.
7. Peel off the plastic film from the 3M sticker (Fig. B).
8. Please organize your car adaptor cables and rear camera (Fig. C).

Fig. B

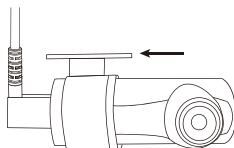
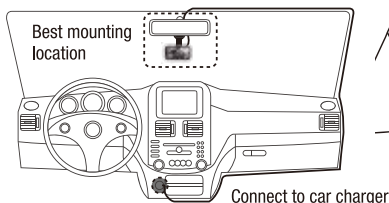
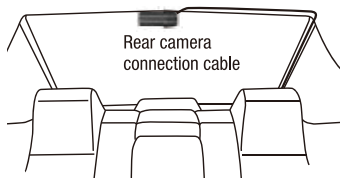


Fig. C

Front Windshield



Rear Windshield



WARNING!

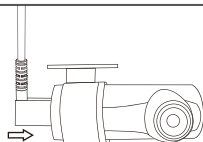


- Make sure the lens is within windshield wiper area to have the clear video quality in raining days.
- Don't install the device within the area of air safety bag. Our company is not responsible for any damage or injury caused by air safety bag.
- Don't install the device on the area that will have any interference on electronic products.

3. Power the cameras

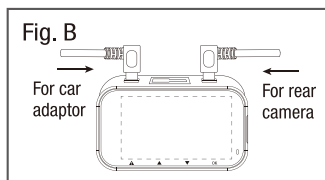
1. Connect the rear camera with the rear camera cable (Fig. A), and route it to the front of the car, then connect with the front camera as shown in Fig. B.

Fig. A



GETTING STARTED

2. Plug the mini USB side of the car adaptor into the front camera (Fig. B) and the other side into the car 12V/24V socket.



WARNING!

Do NOT plug the port to the wrong socket.

Don't turn on the car power until the SD card has been inserted into the camera.

4. Adjust the View Angles

Adjust the both camera angels to have the best views.

Tips:

- Do not turn on 'Motion Detection' unless your vehicle is parked. If 'Motion Detection' is enabled while driving, the camera may not record continuously.
- It is recommended to keep the G-sensor set to 'Medium' (default setting).
- Do not install/mount the camera in a location that interferes with the driver's visibility and safety.
- Install/mount the camera close to the rearview mirror so that both sides of the scene being recorded are equally covered by the camera's FOV (field of view).
- To ensure a clear view on rainy days the lens should be positioned within the windshield wiper's sweeping range.
- Do not install/mount the camera on or near airbag panels.
- Installation/mounting location should not be affected by sun control film (window tint). There should not be any other electronic equipment close to the camera for optimal performance.



WARNING!

Do not install/mount the camera on or near an airbag panel or within the airbag's working range. The manufacturer is not liable for any injury or death caused by deployment of the airbag.

GETTING STARTED

5. Insert the MicroSD Memory Card into the card slot of the camera before you start recording.



Note:

- Please use a MicroSD memory card with up to 256GB capacity.
- Please insert a MicroSD memory card when the camera is off. Otherwise, the camera is not able to identify the memory card. When it occurs, please unplug the car charger to turn off the camera and plug the car charger to turn on the camera again.
- To avoid breaking down the file recorded, don't eject the MicroSD Card immediately after powering off.
- It is suggested to format your memory card before the first use in this camera or format the memory card periodically to release the storage capacity.

Card Capacity	2-Channel Recording	Front Camera Recording		
	1080P @30fps 1080P @30fps	1080P @30fps	720P @60fps	720P @30fps
16GB	1hr 40min	3hr 21min	4hr 40min	8hr 30min
256GB	27hr 05min	54hr 10min	75hr 26min	137hr 13min



Note:

64GB and above memory card has to be formatted in this camera before use.

6. Turn your car power on and the camera is powered on accordingly. Take the front camera off the bracket and start setting.

7. You will be asked to set the language, date, time and format the MicroSD memory card.

To remove MicroSD card, push to eject the card out of the slot.



WARNING!

Please remember to format the MicroSD before the first use, otherwise, the recording data may not be written down.

Do not remove the memory card during recording or shutdown to avoid damage to the memory card and the recorded videos.

GETTING STARTED

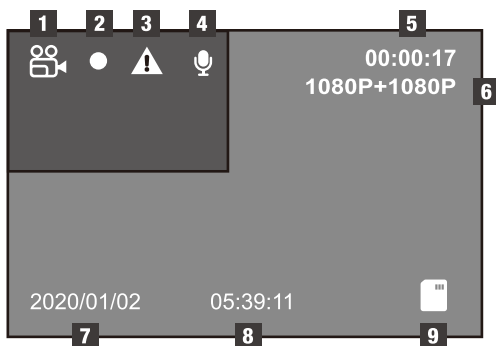
8. The dash camera will start recording when the car is powered. When the 12V/24V car power is out, the dash camera will automatically save the current recording and power off.



WARNING!

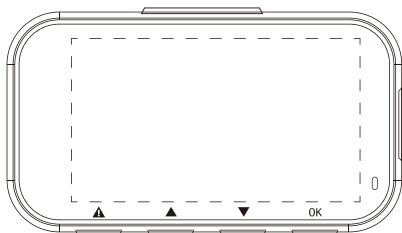
On some cars, the lighter socket continues to provide power after the engine is switched off. If this happens, unplug the camera when the engine is off or idling to reduce unnecessary power consumption and prevent any unexpected problems.

RECORDING SCREEN



- | | | | |
|----------|-------------------------------|----------|------------------------|
| 1 | Video Mode | 6 | Front + Rear Camera |
| 2 | Recording Indicator | | Video Resolution |
| 3 | Emergency Recording Indicator | 7 | Date |
| 4 | Audio Status | 8 | Time |
| 5 | Recording Time | 9 | MicroSD Card Indicator |

FUNCTION BUTTONS IN DIFFERENT MODES



Buttons and Icons

Mode	Buttons	Behavior
Recording Mode		Enter emergency recording mode
		View Playlist (Shot Press) (Press & hold buttons for 5 seconds: Mic on/ off)
		Enter menu setting mode (Press & hold buttons for 5 seconds: Photo screenshot during recording)
		Switch display mode for front & rear channel, LCD screen ON/ OFF
Playlist Mode		Back to the previous interface
		Previous
		NEXT
		Confirm Video/ Photo
Playback files selected mode		Enter Playlist Mode
		Delete selected video file or photo
		Lock/ Unlock Video/ Photo File
		Stop/ Play
In file playback mode		Enter playback files selected mode
		Fast Reverse
		Fast Forward
		Stop/ Play
Setting mode		Back to the previous interface
		Previous
		Next
		Confirm

LED Indicator Reference Chart


LED Color	Indication
Solid Green	Power ON, Standby, Not Recording
Flashing Green	Power ON, Recording

LOOP RECORDING

With Loop Recording enabled (by default), the oldest files in the memory card will be overwritten by new video files when memory card is full.

EMERGENCY RECORDING


In emergency recording mode, the dash camera records data after the event occurs and protects the emergency file from being overwritten. The emergency file is saved in folder RELOAD \ MOVIE \ RO. The dash camera can save up to 30% of total files and an old emergency file can be overwritten by a new emergency file after the folder is full.

When emergency recording is activated, the emergency record  will show on the display while the current video file is protected.

Emergency recording will be activated under the following two situations.

G-Sensor event recording: During video recording, if the dash camera detects an impact, it will automatically activate emergency recording mode.

If the G-Sensor sensitivity is set to "High Sensitivity", even minor shocks will be detected. If the G-Sensor sensitivity is set to "Low Sensitivity", it will only detect significant shocks. G-Sensor sensitivity can be adjusted or disabled in the Settings menu.

Manual emergency recording: During video recording, press button " " to activate the emergency recording function manually.



Note:

The oldest emergency files will be overwritten by new emergency files when the emergency folder is full.

MENU OPERATION

Switch ON

Insert the MicroSD card into the camera's card slot. Plug the USB car adapter into the vehicle's 12V/24V power socket, connect the Mini USB end with the front camera (please plug in the right port marked with "🔌"). Start the engine, and the device will switch ON automatically.

Switch OFF

- **Automatic:** When the camera is ON, simply turn OFF the engine or unplug the charging cable and the camera will switch OFF automatically after 10 seconds.

Loop Recording

- Insert a MicroSD card into the camera's card slot and automatic loop recording will begin once the camera detects power.
- Time frame for each video file is 1/3/5 minutes.
- When there is insufficient space on the MicroSD card, loop recording will automatically overwrite the oldest files (one by one).
- Loop recording files are saved to SD card:\RELOAD\Movie folder. There are 2 separate files and "A" file is for front camera video & "B" file is for rear camera video.

Emergency Recording

• Automatic emergency recording

When the G-sensor is activated due to a collision, current footage will be automatically locked to avoid being overwritten by loop-recording.

(Note: Collision sensing feature can be adjusted in settings under the "G-sensor" option)

• Manual emergency recording

Pressing the emergency record button during a recording will lock the current file being recording. Once locked, the file will not be overwritten by the loop-recording feature.

Motion Detection

If turned ON, the camera will start recording on detecting any movement within its FOV (field of view). Once the camera does not detect any movement for 1 minute, it will stop recording and go back to 'Motion-Detection' mode. Recording will resume if any new movement is detected.

MENU OPERATION

PC Mode

- Connect the camera to a computer using a Mini USB cable.
- Device will automatically turn on and "USB icon" will be displayed.
- The computer will detect "removable disk".
- There will be three folders under DCIM folder:
 - Movie (Loop recording video files)
 - RO (Emergency recording video file)
 - Photo (Video snapshot)
- Copy the needed files to computer drive.



WARNING!

Do not unplug or power-off the camera during a firmware upgrade, it may cause the camera to fail from booting.

MENU SETTINGS

Press the ▽ button to access the settings menu (recording will be stopped)

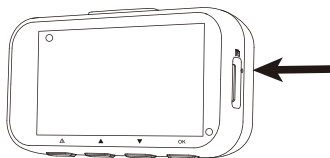
- **Resolution:** Video resolution setting.
 - Single Front Channel:
 - 1080P @30fps, 720P @60fps, 720P @30fps
 - Two Channels:
 - Front Camera: 1080P @30fps, Rear Camera: 1080P @30fps
- **Loop Recording:** 1/2/3/5 minutes.
- **Rearview mirror display** ("Off" - display normally, "On" - show mirror image)
- **EV:** Exposure Value compensation affects the brightness of your video. Adjusting this setting can improve video quality when shooting in environments with contrasting lighting conditions.

MENU SETTINGS

- **Motion Detection:** If turned ON, the camera will start recording on detecting any movement within its FOV (field of view). Once the camera does not detect any movement for 1 minute, it stops recording and goes back to 'Motion-Detection' mode. Recording will resume if any new movement is detected.
- **G-sensor:** The G-sensor measures g-shock forces. The setting from 'Low' to 'High' determines the amount of force needed to lock the file from being overwritten by loop-recording. We recommend leaving it set to 'MIDDLE'.
- **Date Stamp:** Show the time and date on the recorded video.
- **Record Audio:** Turns the microphone ON or OFF. This can be also activated by pressing the 'Mic' button while the camera is recording.
- **Screen Saver:** Turns the screen OFF after a set time.
- **Date/Time:** System date/time setting.
- **Language:** Display language setting (English and French).
- **Beep Sound:** Turns all notification sounds ON/OFF.
- **Frequency:** Frequency adjustment setting to minimize flickering and banding in recorded video.
- **Format:** The operation will delete all data on the MicroSD card.
- **Format Warning:** Sets the number of days between format warnings.
- **Default Setting:** Restore camera to factory defaults.
- **Version:** Current firmware version check.

RESET THE DEVICE

If the device display is suspended and doesn't react to any button press, you can use a needle or sharp point object to press "Reset" button to reset the device.



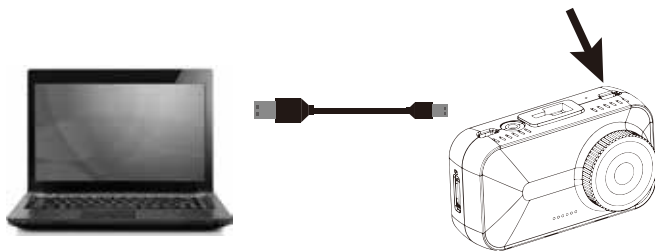
TRANSFER FILES TO A COMPUTER

To transfer files between the dash camera memory card and your computer:

Option 1: Take the MicroSD memory card out of the camera and use a card adaptor to transfer files to your computer.



Option 2: Connect the camera to the computer, and you will see a new storage device in your laptop. To transfer videos, simply drag-and-drop files from the folder of the camera to the local driver of your computer.



WARNING!

To prevent data loss, always follow the proper removal procedures when disconnecting the dash camera from your computer.

TROUBLESHOOTING

If a problem occurs with your dash camera, please first check the information listed below. If you are unable to solve the problem with the trouble shooting information, please contact 1 877 466 8191 for help.

The camera can't be powered on

Check the followings:

1. Is your car power system on? If not, please turn on the car power.
2. Is the camera connected to a valid 12V/24V socket with the provided 12V/24V car adaptor? Is the connection solid?

My computer's operating system cannot detect my dash camera

Check the following:

1. Is your dash camera properly connected to the USB port? If not, unplug it and plug it in again. Make sure the USB port is connected on both ends, as shown in the User's Manual.
2. Is your dash camera connected to the Mac keyboard? If yes, unplug it and plug it into an available USB port on your Mac Desktop.
3. Is the computer's USB port enabled? If not, refer to the user's manual of your computer (or motherboard) to enable it.
4. Please check whether the memory card has problem. You can remove memory card and insert it into a card reader and then check whether your computer can detect your memory card.

I was using my dash camera, now no buttons are responding (hangs / lags / stalls)

1. Try unplugging the car adapter from your dash camera, then reconnecting it to your dash camera again. Please ensure you use the car adapter provided in the package because the car adaptor from your other devices may not be compliant with this dash camera.
2. Reset your camera. Please refer to "Reset" instruction in the manual.

My dash camera cannot read videos on my memory card

Edited and deformed videos may not display properly on your dash camera.

The camera shows "Card Error" or remind me to format the memory card

Please format the memory card as instructed. If the same phenomenon appears, it is possible that the memory card is broken or doesn't work for this camera. Please change to a new memory card and try.

SPECIFICATIONS

Processor	NTK96675
Build-in Image Sensor	Front & Rear 2.0 MP Sensor
Angel of View	Front & Rear 130° Diagonal
Shooting Resolution Rate	Single Channel: 1080P @30fps, 720P @60fps, 720P @30fps Two Channel: Front: 1080P @30fps;Back: 1080P @30fps
Video Compression Format	H.264/ MP4
Screen Size (LCD Display)	2.7"
Storage Temperature	-20 °C to 70 °C
Operating Temperature	-10 °C to 60 °C
Operating Humidity	15% to 65% (RH)
Capacity of Memory Card	8GB to 256GB (Class 10 or Above)
Standard Working Voltage	DC 5V
G-Sensor	Yes
Data Transfer	USB 2.0
Power	Capacitor+ RTC Battery



This product contains 3.7V Li-ion battery.

Don' t dispose in fire.

Battery MUST be recycled or disposed of properly.

WARRANTY

Always keep your receipt as proof of purchase!



We're here to help! You are covered with a one year manufacturer's warranty against defects in workmanship and materials. If you have any questions or comments call our toll-free hotline:

1 877 466 8191 for help.