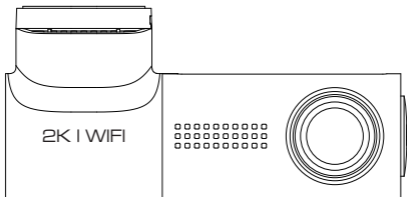




User Manual

DC100



CONTENTS

CUSTOMER SERVICE.....	01
IMPORTANT SAFETY INFORMATION	02
IN THE BOX	04
SPECIFICATION	05
CAMERA OVERVIEW	06
GETTING STARTED	08
INSTALLATION	09
PLAYING VIDEO FILES USING YOUR SMARTPHONE	12
GENERAL SETTING	19
PLAYING VIDEO FILES USING YOUR COMPUTER	25
VOICE PROMPTS	26
FAQ	28
NOTICE	29

■ CUSTOMER SERVICE



- Defective or damaged item?
- Inaccurate description?
- Missing parts or accessories?
- Performance or quality not adequate?
- Wrong item was sent?



support@ombars.com

Response in just 12 hours

Contact us before returning the item.
We will help you resolve any issue asap.



Note

1. A U3 type Micro-SD card (64GB SD card included) is required to use this dash cam. Be sure to format your Micro-SD card with your dash cam for the first time use.
2. Please ALWAYS connect with power when using. As it is built in super capacitor.

■ IMPORTANT SAFETY INFORMATION

Thank you for purchasing this dashcam.

This instruction manual contains information on how to operate your dashcam.

Before using your dashcam, we recommend that you read through this manual to ensure correct usage.

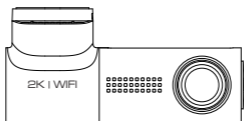
To improve the performance of the product, the contents of this manual are subject to change without prior notice.

- **Do not disassemble, repair, or modify the product yourself.**
Doing so may cause fire, electric shock, or malfunction.
For internal inspection and repair, contact the service center.
- **If any foreign matter gets inside the product, detach the power cord immediately.**
Contact the service center for repair.
- **Do not adjust the product while driving.**
Doing so may cause an accident. Stop or park your car in a safe place before installing and setting up the product.
- **Do not install the product in a location where the product can interfere with the driver's field of vision.**
Doing so may cause an accident.
- **Do not use a damaged or modified power cord. Only use the cords provided by the manufacturer.**
Damaged or modified power cords may cause an explosion, fire, or malfunction.

- **Do not operate the product with wet hands.**
Doing so may cause electric shock.
- **Do not install the product in an environment with high humidity, or combustible gases or liquids.**
Doing so may cause an explosion and/or fire.
- **Do not leave the product near infants, children, or pets.**
There is a risk of them swallowing small components, and/or their saliva may get into the product, causing an explosion due to a short circuit.
- **Do not spray water or wax directly onto the product while cleaning the inside of the car.**
Doing so may cause fire, electric shock, or malfunction.
- **If smoke or an unusual smell is emitted from the power cord, detach the power cord immediately.**
Contact the service center or your distributor.
- **Keep the terminals of the power cord clean.**
Failure to do so may cause excessive heat and fire.
- **Use the correct input voltage.**
Failure to do so may cause explosion, fire, or malfunction.
- **Plug in the power cord firmly so that it cannot easily be disconnected.**
Failure to do so may cause fire.
- **Do not cover the product with any material.**
Doing so may cause external deformation of the product or fire.
Use the product and peripherals in a well-ventilated location.

■ IN THE BOX

Check the box for each of the following items before installing the dash cam.



Dash Camera x1



Electrostatic Sticker x2



Type-C Car Charger
With 3.5m/12ft Cable x1



Cable Clips x 5
Pry Tool x 1



User Manual x 1

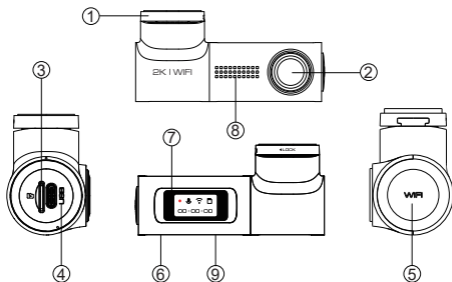
Note

To improve the performance of the product, the contents of this manual are subject to change without prior notice.

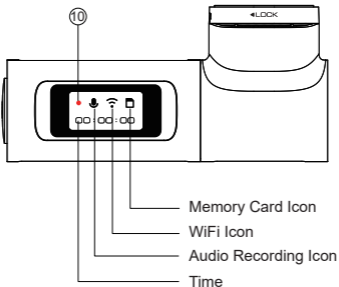
■ SPECIFICATION

Model	DC100
Aperture	F=1.8
Color	Black
Language	English / 日本語 / Deutsch / Français / Español / Italiano / Русский.etc
Memory Card	Micro SD Card Class 10, U3 speed, Max support 128GB (64GB include)
Video Code	H.264
Photo Format	JPG
Video Compression	MP4
Video Resolution	2560 x1440P 30fps 1920x1080P 30fps
WiFi	Built-in
Battery	Built-in Super Capacitor
Power Interface	5V/1.5A
Operation Temperature	-20°C to 70°C (-4°F to 158°F)

■ CAMERA OVERVIEW





	Description
①	Sticker Mount
②	Lens
③	Micro-SD Card Slot
④	Type-C USB Charging Port
⑤	WiFi Key Short press 1 time: Lock the video Short press 2 time: Turn on/off audio Long press (3s): Turn on/off WiFi Long press (8s): Format TF card and set to default settings.
⑥	Speaker
⑦	0.96 Inch Display
⑧	Microphone
⑨	Reset Button



Note

The clock is displayed during normal recording, while the recording duration of the locked video segment is displayed during emergency recording.

	Color	Status
⑩ REC	 Blinking	Recording Normal Video
	 Blinking	Recording Locked Video

■ GETTING STARTED

The camera is designed to power up and record automatically when it receives power. Then saves the video record and turns off automatically when the car shuts off.

1. **Auto Power ON/OFF:**

Plug car charger to cigarette lighter socket. When the car engine is on, dash cam will turn ON and start recording automatically.

When the car key is turned to LOCK position, dash cam automatically saves the recording and turns OFF.

2. **Manual Power ON/OFF**

Manually Turn ON: Press the power button once.

Manually Turn OFF: Press and hold the power button for at least 2 seconds.

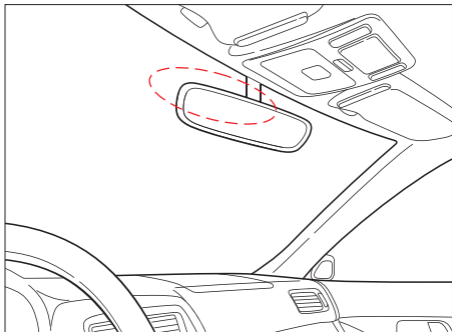


Note

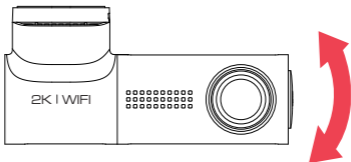
1. A U3 type Micro-SD card (64G SD card included) is required to use this dash cam. Be sure to format your Micro-SD card with your dash cam for the first time use.
2. Please ALWAYS connect with power when using. As it is built in super capacitor.
3. The dash cam will automatically update its time when it is connected to the kacam APP on a phone via WiFi.
4. Some trucks/cars'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 options:
① Hardwire your dash cam to your car's fuse box with 3-lead auto trigger hardwire kit.
② 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.

■ INSTALLATION

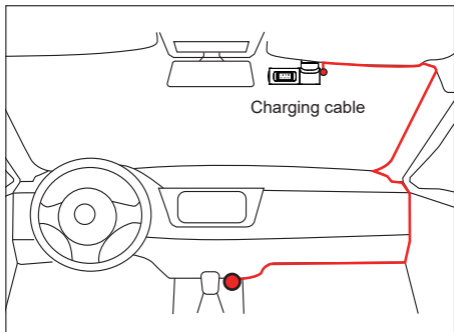
Install the front camera behind the rear view mirror. Remove any foreign matter and clean and dry the windshield before installation.



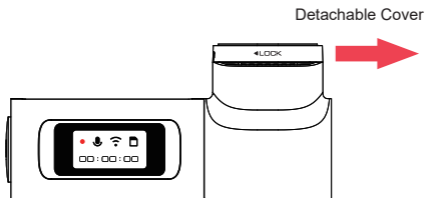
1. Turn off the engine, gently push the card into the slot until it locks into place. (Please using class 10 or above high-speed U3 Micro-SD card)
2. Find a suitable place on windshield where don't obstruct the driver's field of vision and remove any foreign matter and clean and dry the windshield before installation. Tear off the protective layer of the electrostatic sticker and adhere the electrostatic sticker to the windshield to prevent mark/glue on your windshield after removing it.
3. Peel off the protective film from the double-sided tape and attach the front camera to the electrostatic sticker. Adjust the angle of the lens by rotating the body of the front camera.



4. Plug the cigarette lighter power cable into the cigarette lighter socket and the front camera. Use the pry tool to lift the edges of the windshield trim/molding and tuck in the power cord.



5. Turn on the engine. The dashcam will power up and start recording. Video files are stored on the micro SD card. Turn off the engine. The dashcam will automatically stop recording and power down.



■ PLAYING VIDEO FILES USING YOUR SMARTPHONE

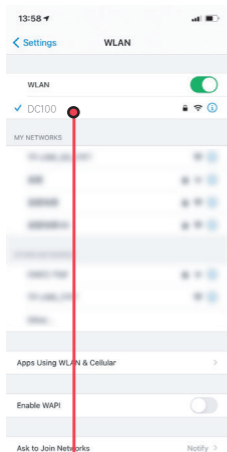
CHECK VIDEO USING YOUR SMARTPHONE



Scan QR code to
download kacam
APP

1

Search for the kacam APP
in the google play store or
apple APP store and install
it on your smartphone.



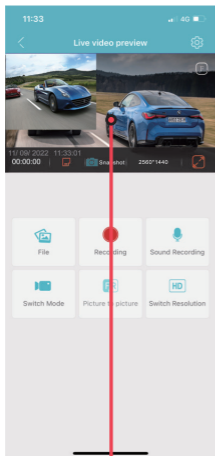
2

Go to phone's settings > WiFi > select WiFi of the dash cam. After it's connected to the WiFi, it will say "No Internet Connection" which was normal. Because dash cam WiFi is ONLY for video/photo transfer function, NOT made to broadcast footage over the cloud or internet, please ignore the prompt.



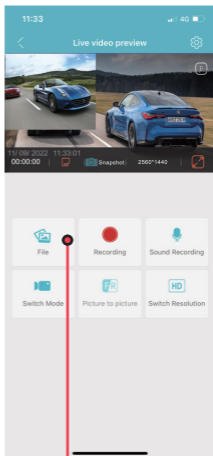
3

There will show dash cam model DC100 when connect successfully, Check real-time video.



4

Now you can view the video currently being recorded by connecting your smartphone to the dashcam via WiFi directly.



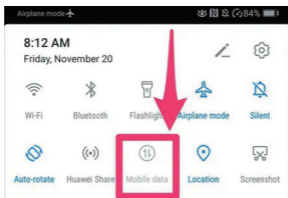
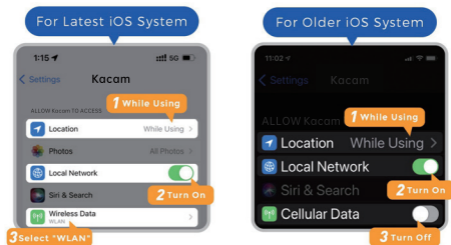
5

Please STOP recording first, then press the "Device Album" to get event, normal, photo files.

The APP won't show the live video on you phone. It only show a picture of the beach?

The cellular data will cause the live video not to be viewed. If the APP won't show the live video, please disable the "Kacam" cellular data of your phone. Sure that the local network of the "Kacam" is turned on.

1. For Latest iOS System: Setting → Kacam → Click "Wireless Data" → Select "WLAN" .
2. For Older iOS System: Setting → Kacam → Disable the "Cellular Data".





Note

1. WiFi direct lets you directly connect your smartphone to your dash cam via WiFi within a range of 10FT.
2. Once it is connected to the Kacam APP it will automatically update the date/time.
3. The kacam is available for devices running android 5.0 and higher, or iOS 9.0 and higher.

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 DC100.

Can I watch the videos around my car remotely?

NO. DC100 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 kacam dash cam's APP as long as you stay within the 10FT range from the dashcam.

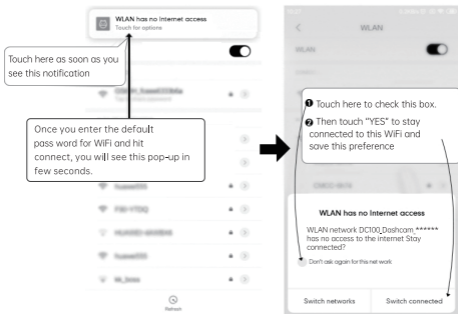
What is the WiFi range?

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

For android phones:

When installing the Kacam APP, it will have two pop-up prompts, select "While using the APP" to allow Kacam to access this device's location, and select "Allow" to allow Kacam to access photos and media on your device.

There is one extra step you will have to take for the first time. Once you connect to the WiFi of DC100, 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.



For iPhone:

The WiFi network "DC100_Dash
cam_*****" does not
appear to be connected
to the Internet

Do you want to temporarily use
cellular data?

Use Cellular Data

Keep Trying Wi-Fi

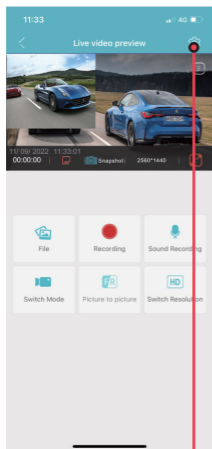
If you get this pop up for your iPhone while using WiFi feature, make sure to tap on "Keep Trying Wi-Fi". Otherwise the camera will get disconnected from the WiFi and then you will have to forget the WiFi and then start to pair again to make it work again.

FORMAT MICRO-SD CARD

There are two ways to format Micro-SD card

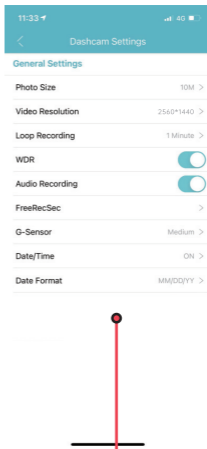
1. Press and hold the WiFi button for more than 8 seconds, then release it to restore factory settings and format the memory card. When formatting is successful, a message indicating success will appear on the screen.
2. Please connect to the WiFi of this dash cam through the kacam APP, and then click on the settings button in the upper right corner of the real-time preview page to find the formatting menu to format this memory card.

■ GENERAL SETTING



1

Go to dashcam preview interface.
Please STOP recording first, then press the settings icon.



2

Select what you need to set.

VIDEO SETTINGS

Video Resolution

The video resolution of this camera is 2560x1440P 30fps.

Loop Recording — 1min(Default)/2mins/3mins

Please select the length of each video clip (1/2/3 minutes) for loop recording. This function enables continuous recording on the dash cam. Please note that when the memory card becomes full, the dash cam will automatically delete the oldest files to make space for new recordings. This ensures that it can continue recording without interruption.

WDR — On(Default)/Off

WDR stands for "Wide Dynamic Range" which means the camera or display can adapt to scenes with large differences in brightness, allowing details in both dark and bright areas to be clearly displayed.

Audio Recording — On(Default)/Off

The dashcam has built-in microphone to record audio with video. You can choose to record mute video by choosing OFF.

G-Sensor — Off/Low/Medium(Default)/High

G-sensor is a 3-axis impact gravitational accelerometer, designed to detect physical and gravitational forces on the dash cam. Once G-sensor has been triggered due to physical or gravitational impact force on the camera, the current video file will be locked as an emergency file so it won't be deleted by loop cycle function. The higher the G-Sensor sensitivity is, the less force will be needed to trigger automatic file protection.

Parking Mode

This function will ONLY work when 3-Lead Hardwire Kit is installed properly. This parking mode has three options to choose from.



Note

Custom-designed Type-C 3-Lead Hardwire Kit is required to use this new feature. Not included in the packaging

***Time-Lapse Parking Mode:**

1. When you turn OFF the car's engine and turn the key to the lock position. Then the camera will STOP the continuous video recording and it will go into the timelapse 1fps recording mode automatically.
2. Now while this timelapse is being recorded, if someone hits your car and if the impact reaches the set G-Sensor level, then the camera will start to record 1-min continuous video, save & lock that video in Event folder > then return to the timelapse 1fps recording.
3. Now when you start your car for the next time, the camera will automatically STOP the timelapse parking mode. Then it will go into normal video mode automatically to start the continuous video recording.

***Collision Detection Parking Mode:**

1. When you turn OFF the car's engine and turn the key to the lock position. Then the camera will STOP the continuous video recording and it will go into the impact detection mode and the camera will turn OFF.
2. Now while the camera stays in impact detection mode, if someone hits your car and if the impact reaches the set G-Sensor level, then the camera will turn ON > then it will start to record 1-min continuous video, save & lock that video in Event folder > then the camera will turn OFF.
3. Now when you start your car for the next time, the camera will automatically go back into normal video mode automatically to start the continuous video recording.

***Normal Recording Parking Mode:**

1. When you turn OFF the car's engine and turn the key to the lock position. The camera will continue to record normally.
2. Now the camera stays in impact detection mode, if someone hits your car and if the impact reaches the set G-Sensor level, then the camera will lock the current looping video clip, save & lock that video in Event folder > then the camera will continue to record normally.

Fatigue Driving Reminder — Off(Default)/2H/ 3H/4H

When you activate this feature, the dash cam will beep every 2 hours to remind you if you are experiencing fatigue while driving.

Screen Save — Screen Saver Off(Default)/ Screen Off After 1-Min

Screen Saver Off: This screen will always be on.

Screen Off After 1-Min: The screen will turn off after 1 minute of inactivity.

Volume — Off/Low/MID(Default)/High

This feature allows you to set the volume level for the boot sound volume, prompt volume through camera's internal built-in speaker.

Boot Ringtone — On(Default)/Off

This feature allows you to turn ON/OFF the camera's Boot Ringtone.

Frequency — 50HZ/60HZ(Default)

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

Date/Time Format

This feature allows you to select the date format.

VIDEO STAMPS

Date/Time

Turn On/Off the Date/Time stamp shown on recorded files.

Model

Turn On/Off the model stamp shown on recorded files.

SYSTEM SETTING

Synchronization Time

Synchronization the time of the phone to this DC100 dash cam.

Free Storage

Display remaining storage space on the memory card.

Format SD Card

The formatting process will make sure that the card's file system format is optimized for the camera.



Note

For stable performance, it is recommended that you format the memory card every 1-2 months.

WiFi Name

Here you can change the WiFi name in APP, the default name: DC100_Dashcam_*****

WiFi Password

Here you can change the WiFi password in APP, the default password: 12345678

Default Settings

Reset the dash cam to default settings. Your recordings will not be affected.

Firmware Version

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.

Note

Calibrate Date/Time

Connect Kacam APP, automatically synchronize phone time.

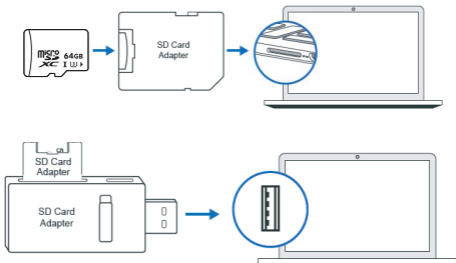
FORMAT MICRO-SD CARD

There are two ways to format Micro-SD card.

1. Press and hold WiFi button for 8 seconds to format and default settings, you will hear sound "di" when format successfully.
2. Please connect to kacam APP, using the function menu named "Format" to do.

■ PLAYING VIDEO FILES USING YOUR COMPUTER

1. Remove the Micro-SD card from the dashcam.
2. Insert the card into a Micro-SD card reader and connect it to your computer.



3. Depending on the pre-installed hard drives, you should be able to locate the added flash drive as drive "D," "E," or another name.

Once you have located the drive, double-click it to access the file folders, which include normal, event, and photo.

Normal: Normal recording mode saves video files in a loop, allowing them to be overwritten when storage space is needed.

Event: In Event recording mode, the video file will be locked and protected from deletion by the loop recording function.

Photo: This is the folder for storing captured photos.

To play the videos, simply double-click on them.

We recommend using VLC media player, which can be downloaded for free at: www.videolan.org.

■ VOICE PROMPTS

Prompt Voice	Description
Emergency Video	During recording once G-Sensor triggered
WiFi is On	Default ON, after powered on, say it
WiFi is Off	Press and hold WiFi button for 3s to switch off, say it
WiFi is Connected	After connected to APP, say it
WiFi is Disconnected	Quit out APP, say it
Memory Card Error	Wrong/bad/fake memory card or memory card error, say it
Recording Started	After powered on and boot ringtone/operate via APP, say it
Recording Stopped	Operate via APP, say it
Sound as "Click"	Take picture via APP, say it
Format Successfully	Format memory card successfully
Format Failed, Please Try Again	Formatting unsuccessfully, say it
Parking Mode is On	Parking mode has been turned on (Prerequisite: connected hardwire kit)

Parking Mode is Off	Parking mode has been turned off (Prerequisite: connected hardwire kit)
Parking Mode Was Activated While Parking	If parking monitor activated and generated locked files during parking, turn on car again, say it
Audio On	Default ON, shortly press 2 time /operate via APP, say it
Audio Off	Shortly press 2 time/operate via APP, say it
Please Insert TF Card	If no card inserted, say it
Formatting TF Card, Please DO NOT Disconnect the Power	Long press WiFi button for 8s/operate via APP, say it
Fatigue Driving! Please Take a Rest	Off/2H/3H/4H can be selected, operate via APP, say it
Factory Reset	Operate via APP, say it

■ FAQ

Q1: Camera turns ON / OFF automatically?

Ensure that the output current can reach 5V/1.5A and use our car charger.

Q1: Camera turns ON / OFF automatically?

Ensure that the output current can reach 5V/1.5A and use our car charger.

Q3: Camera gets HOT?

It is normal for your camera to run slightly hot. Due to video being recorded at high speed, the dash cam may be hot during using. (No more than 158°F/70°C).

Q4: Video Files cannot be played on my computer?

The video files from the dash cam are in MP4 format and may not be compatible with your PC if suitable playback software is not installed.

Q5: Video has no sound?

Ensure that "Audio Recording" setting is turned ON.

Q6: Video is blurred?

The dash cam has a minimum focal range of around 2 meters. Objects closer than this are likely to become blurred.

Q7: Voice prompt memory error?

Using unqualified memory cards or third party cards can affect dashcam's performance and in some cases, force the dashcam to reboot randomly during recording. If it still can not work normally, it should be that the TF card is unqualified and can not meet the recording requirements of the dash cam. Please contact us to get a new memory card.

■ NOTICE

CE This product complies with the radio interface requirements of the European Community.



This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate recycling facility. Recycling helps protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

FCC 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.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Product: Car Dashcam

Model: DC100

Product Warranty: One-year Limited Warranty

Customer Support: support@ombars.com



Made in China 