Z-EDGE

4K
Ultra HD

155° F1.75 IR 7-Element Glass Lens

Model: T4K
USER GUIDE

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1 INTRODUCTION

Thank you for purchasing the T4K UHD 4K WiFi Dual Dash Cam from Z-EDGE. Please read this manual carefully before using this product. Keep this manual for future reference.

1.1 Features

- 4K UHD + 1080P FHD Dual Recording
- 4.0" TFT LCD Color Touchscreen
- Dual lens for simultaneous recording
- Up to 155 degrees wide angle lens
- WiFi Connection & Smartphone App
- Built-in G-Sensor

- Parking Mode
- Motion Detection
- Sound Recording

1.2 What's in the Box

Front Camera
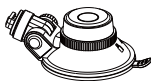
Car Mount
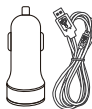
Car Charger with USB Cable

USB Cable

Rear Camera & 26-feet USB Cable

Hand Tool & Cable Clips

User Manual

Warranty Card

1.3 Product Overview
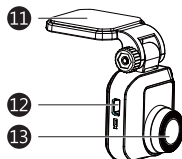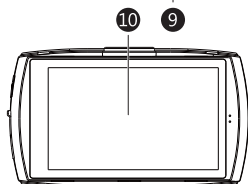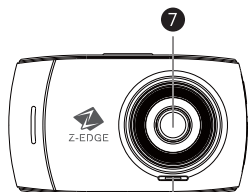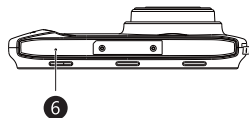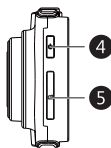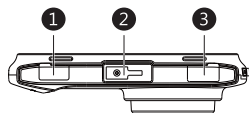
1. Micro USB Port (Charging)
2. Car Mount Slot
3. Mini USB Port (Rear Camera)
4. Power Button
5. TF/Micro SD Card Slot
6. Microphone
7. Front Camera

9. Speaker
10. Display Screen
11. Adhesive Mount
12. Mini USB Port
13. Rear Camera

2.1   Inserting the TF/Micro SD Card

- Insert a TF/Micro SD card into the TF/Micro SD Card Slot (5), with the pins facing towards the back of the device, until it clicks into place.
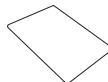- To remove, push the edge of the TF/Micro SD card inward until you feel it click, then allow it to push out until you can remove it from the slot.
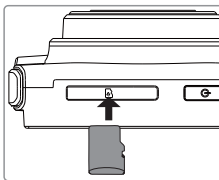
⚠ **WARNING:**
- It is recommended to format the memory card in the dash cam directly in Menu > Settings > Format SD card before initial use.
- Please note that all data saved on the TF/Micro SD card will be erased after formatting.
- Do not remove or insert the TF/Micro SD card whilst the device is powered on - this may damage the TF/Micro SD card.
- Supports Micro SDXC card up to 256GB (Class 10 or above).
- We recommend using a well-known brand of SD card.

2.2   Front Camera Installation

Please follow the below instructions for mounting your dash cam to your vehicles windshield:
1. Slide the car mount into the slot on top of the device until a click sound is heard.
2. Press the suction cup firmly against your windshield, and rotate the lever clockwise (12 o'clock) to secure.
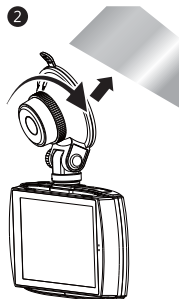
2.3   Adjust Device Position

1. Loosen the nut to swivel the device vertically.
2. Click into place and secure by tightening the nut.
3. Rotate the device horizontally for a clear view.
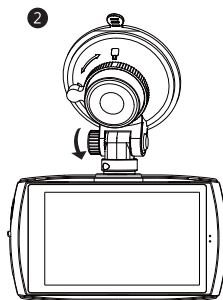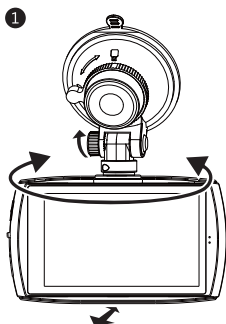
⚠ WARNING:
• Do not install the device on a tinted windshield. This may damage the tint film.

2.4   Connecting to Power

1. Plug one end of the Micro USB charging cable into the Micro USB Connector on the dash camera.
2. Plug the other end into the car charger, and insert that into your vehicles lighter socket.
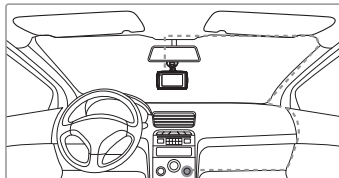
⚠ **WARNING:**
- Use only the supplied car charger to power the dash cam and charge the built-in battery.
- Some car models supply power from the cigarette lighter even when the vehicle's engine is switched off. We recommend you always unplug the USB charger manually before leaving the vehicle to avoid any unwanted car battery drainage.
- If the environment reaches 115-degrees Fahrenheit or above, the car charger may stop charging the dash cam battery. This is characteristic of a Lithium Polymer battery and is not a malfunction.

2.5   Powering the Dash Camera

Automatic Power
- Once the vehicle's engine is switched on, the dash cam will automatically power on.
- When the vehicle's engine is switched off, the dash cam will automatically save the recording and power off within 10 seconds.

Manual Power
- To manually turn power on, press and hold the Power Button (4) for up to 3 seconds.
- To manually turn the power off, press and hold the Power Button (4) for 3 seconds.

2.6   Rear Camera Installation

1. Connect one end of the Mini USB cable into the Mini USB Port (3) on the dash camera. Connect the other end into the Mini USB Port (12) on the rear camera.
2. Turn on the camera. The rear-lens view will automatically appear on the display screen (10) in PiP display mode.
   TIP: To view rear-view in full screen, tap the Home Screen to bring up the Shortcuts menu, then tap the View icon (H) on the middle right and select Rear Only.
3. Whilst looking at the display screen and without removing the adhesive backing, find a suitable area for installing the rear camera on the rear windshield.
4. Having found a suitable area on the rear windshield, peel off the protective plastic backing from the adhesive mount (11). Press firmly against the rear windshield to secure.
5. For a more organized car environment, the micro USB cable can be routed as indicated by the dashed line in the diagram.

3.1 Recording Screen

The Recording Screen is the default screen after powering on the dash camera, for recording video and capturing snapshots.

Icon	Item	Description
●	Recording	A flashing red dot indicates the dash cam is currently recording.
🔼	Drive Mode	Indicates current Mode (e.g. Drive, Scenic, Park or Standard).
🎤	Sound Recording	Indicates if the microphone is On or Off.
📶	WiFi	Indicates if WiFi is On or Off.
Ⓟ	Parking Mode	Indicates the Parking Mode is activated.
🔋	Battery	Indicates the estimated remaining battery power / if the device is being charged.

3.2 Shortcuts

Tap anywhere on the Home Screen while recording or in standby mode to bring up the Shortcuts. Select one of the following options:

A B   C   D   E   F   G H
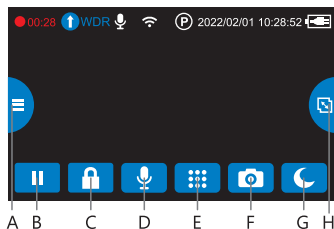
No.	Item	Description
A	Mode	Switch between Drive, Scenic, Park and Standard modes (see 4.3 for more details).
B	Start/Pause	Start or pause video recording.
C	Video Protect	Protect the currently recorded video file from being overwritten (see 4.7 for more details).
D	Microphone	Set Sound Recording on/off.
E	Main Menu	Go to Main Menu.
F	Snapshot	Take a snapshot while recording or in standby mode.
G	Display Off	Turn off display screen.
H	View	Switch between Front Only, Rear Only and Dual (PiP) camera views with rear camera connected.

3.3   Main Menu

Tap anywhere on the Home Screen to bring up the Shortcuts. Tap on the Main Menu icon (E) to enter the Main Menu. Select one of the following options:
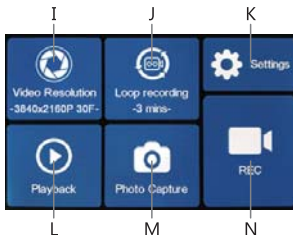
No.	Item	Description
I	Video Resolution	Front camera and rear camera connected: 3840x2160 + 1920x1080 30FPS 2560x1440 + 1920x1080 30FPS 1920x1080 + 1920x1080 30FPS Front camera only: 3840x2160 30FPS 2560x1440 30FPS 1920x1080 60FPS 1920x1080 30FPS

No.	Item	Description
J	Loop Recording	Switch between 1, 3 or 5-mins recording intervals (see 4.5 for more details).
K	Settings	View the full list of settings that can be customized.
L	Playback	Playback 'Normal' and 'Emergency' video recordings.
M	Photo Capture	Preview saved photos.
N	REC	Exit Main Menu to Home Screen (starts recording).

3.4 Setup

From the Main Menu screen, tap on Settings (K) to enter the full list of settings that can be customized.

• Tap on a feature to customize it.
• Tap ' ◁ ' icon for previous page.
• Tap ' ▷ ' icon for next page or screen.
• Tap ' ○ ' icon to exit and return to home screen.
• Please find below the full list of Standard Settings for this dash cam:

Standard Settings			
Item	**Setting**	**Item**	**Setting**
Resolution	3840x2160P 30FPS	Loop Recording	3 Mins
Sound Recording	ON	Watermark	ON
G-Sensor	Medium	Key Tone	ON
Language	English	Frequency	60 Hz
Screen Saver	3 Mins	WDR	ON
WiFi Connection	ON	-	-

4   OPERATION

4.1   Set Date & Time

Before using this device, we recommend you set the correct date and time:

1. Tap anywhere on the Home Screen to bring up the Shortcuts.
2. Tap on the Main Menu icon (E), and select Settings (K) from the menu.
3. Find and tap on the Date & Time option to customize.
4. Select a field to customize, then tap above or below it (on the arrows) to increase or decrease the number .
5. With all fields correct, tap the OK icon to save and exit the menu.

⚠ **WARNING:**
Date & Time settings may automatically reset if the battery is allowed to completely drain.

4.2　Recording Videos

With a TF/Micro SD card inserted and the device connected to power, when the car engine is switched on the dash cam will automatically power on and start recording. When the vehicle engine is switched off, the dash cam will automatically save the last recording and power off after the time set in Device Auto Off setting.
Alternatively, tap the Start/Pause icon (B) in the Shortcuts menu to stop/start video recording manually.

4.3　Mode

Instantly optimize the dash camera by selecting one of four video recording modes. Selecting a mode automatically optimizes four features with preset values designed to best suit your environment, saving you time having to customize each individually.
To change modes, tap anywhere on the Home Screen to bring up the Shortcuts. Select the Mode icon (A) on the middle left side. From here, switch between:

	DRIVE	SCENIC	PARK	STANDARD
Best for ...	Everyday Driving	Scenic Driving	Monitoring a Parked Vehicle	Standard Driving
Overview	Optimizes recording settings for regular use	Records longer video clips for easier post processing	Increases G-Sensor sensitivity and optimizes battery efficiency	Optimizes low light image quality and minimizes screen glare

G-Sensor	Medium	Low	High	Medium
Loop Recording	3 Mins	5 Mins	1 Min	3 Mins
Parking Mode	On	On	On	Off
Screen Saver	1 Min	Always On	1 Min	3 Mins

Note:
- After selecting a mode, you can still customize any of the four settings inside the Main Menu and Setting menu.
- Every time a new mode is selected, all four settings will change to their preset values, overwriting any customizations you may have made.

4.4   Adjusting the Settings

If you'd prefer to customize each dash cam setting yourself, you can do so in the Setting menu:
1. Tap anywhere on the **Home Screen** to bring up the **Shortcuts**.
2. Tap on the Main Menu icon (E), and select Settings (K) from the menu.
- Scroll the menu by tapping the ' ◁ ' or ' ▷ ' icons.
- Tap on a feature to enter and customize it.
- Make a selection to automatically save and return to the Settings menu.
- From the Settings menu tap ' ◁ ' icon to return to the Main Menu.
- Tap ' ○' icon to exit and return to the Home Screen.

4.5   Loop Recording

Videos are recorded and saved to the TF/Micro SD card at set intervals. Once the TF/Micro SD card is full, Loop Recording automatically overwrites the earliest unprotected saved file. This prevents long duration video clips from being lost in a single overwrite.
Video files can be saved to the TF/Micro SD card in 1, 3 or 5 min intervals:
Main Menu > Loop Recording

4.6   G-Sensor

The built-in G-Sensor detects unusual impacts or vibrations. It automatically triggers the Emergency Video Protection and Parking Mode features.
Set the sensitivity to automatically trigger these features with smaller or larger vibrations (feature can also be turned Off): **Main Menu > Settings > G-Sensor**

4.7 Emergency Video Protection

If G-Sensor is enabled and senses an unusual impact or collision the dash cam will automatically protect the currently recorded video file from being overwritten. A lock icon appears top left to signify the current recording is protected.
To manually protect a video file during a recording, tap anywhere on the Home Screen to bring up the Shortcuts and select the Video Protect icon (C).

4.8 Parking Mode

Enable Parking Mode for the dash cam to continue monitoring your vehicle for unusual impact or collision when the engine is turned off and parked. If a vibration is detected, the device will automatically turn on and begin recording. Approximately 30 seconds after the motion or vibration is finished, the device will automatically return to monitoring mode. All recordings are automatically protected from being overwritten.
Enable/disable feature: **Main Menu > Settings > Car Monitoring > Parking Mode**

> **Note:**
> • In Parking Mode the device is powered by the internal rechargeable battery.
> • Parking Mode is not recommended for long-term parking situations due to the devices limited battery life.
> • When your vehicle is parked facing forward, turn the dash camera around so the lens is facing the rear window of the vehicle for optimal monitoring.

4.9 Taking a Snapshot

Tap anywhere on the Home Screen while recording or in standby mode to bring up the Shortcuts, and tap the Snapshot icon (F) to take an instant photo.

4.10 WDR

Wide Dynamic Range (WDR) technology compensates for extreme light and dark spots, balancing exposure to produce a clear image. This feature is particularly useful for night driving where an image can include both dark spots and extreme light spots produced by street lamps or headlights.
Enable/disable feature: **Main Menu > Settings > WDR**

4.11   Enable WiFi

With the WiFi feature enabled, the Android/iOS app can be used on your supported devices to view and save recorded videos and photos.
Enable/disable feature: **Main Menu > Settings > WiFi**

5   WIFI SETUP AND ANDROID/IOS APP

5.1   WiFi Setup

1. Search for the "Z-DashCam" app on the Google Play Store (Android device) / Apple App Store (iOS device).
   Then download and install on your smartphone or tablet device.

2. Check if the WiFi feature is enabled on the T4K WiFi dash camera. (See 4.11).

3. Open the WLAN settings on your smart device and select the T4K dash camera.
   This name is T4K_XXXX. Make sure it is connected.
   If WiFi password is required, please enter password: 12345678

4. Open the "Z-DashCam" app on your smart device.

5. In the App, click Connect DVR, then it will turn to recording screen.
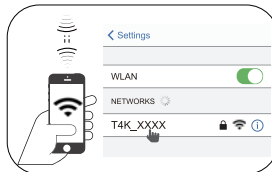
5.2   App Overview

Note:
Some features may not available on T4K.
If you have questions please contact
Z-EDGE customer support via Email.

NO.	Item	Description
1	Back Arrow	Return to the main screen
2	Microphone	Enable/disable audio recording
3	Video Camera Icon	Record a 10 second clip
4	Compass	Orientate map to North
5	Connection	Disconnect the app from the dash camera.
6	Settings	Open the settings menu and adjust settings for the dash camera.
7	Speed	Toggle between mph & km/h
8	Video Full Screen	Toggle the video view between full and half screen
9	Camera	Take a picture
10	File Manager	View/Play/Download/Delete the saved videos and images
11	Traffic	Show traffic on the map
12	Map	Map location
13	Route	Show & record the dash cam GPS data in the app (Note: Enable GPS on your phone first)
14	Map Full Screen	Toggle the Map view between full and half screen
15	Centre	Center map on dash camera's location

6.1 Playback Videos

1. Tap anywhere on the Home Screen to bring up the Shortcuts.
2. Tap on the Main Menu icon (E), and select Playback from the menu.
3. Select either 'Normal' or 'Emergency' to preview relevant video files.
4. Tap on a video clip to start previewing it.

O   P   Q   R   S
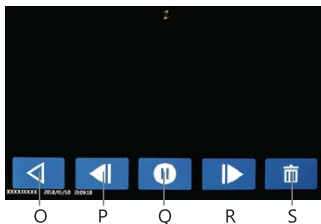
No.	Item	Description
O	Back	Return to browse other videos.
P	Previous	Playback previous video.
Q	Play/Pause	Play or pause the current video.
R	Next	Playback next video.
S	Delete	Delete current file.

⚠ **WARNING:**
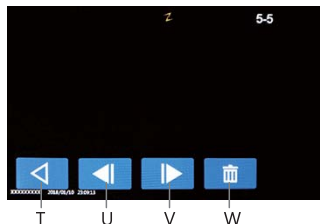Deleted files cannot be recovered. Please ensure you backup important files before deleting them.

6.2 Preview Snapshots

1. Tap anywhere on the Home Screen to bring up the Shortcuts.
2. Tap on the Main Menu icon (E), and select Photos from the menu.
3. Tap on a snapshot to preview it.

T   U   V   W

No.	Item	Description
T	Back	Return to browse other snapshots.
U	Previous	Tap to view previous saved snapshot.
V	Next	Tap to view next saved snapshot.
W	Delete	Delete current file.

6.3 Managing Video & Photo Files

Connecting to a computer

Connect the dash cam to a computer using the micro USB cable. The dash cam will automatically power on and a USB icon will be displayed on the display screen. The contents of the TF/Micro SD card will appear as a regular disk drive on your computer as if it were a USB flash drive. Browse as normal to view, play, copy and delete saved files.

Recorded videos and photo files are classified and grouped into different folders:

• CARDV>Event: Emergency videos automatically protected by Collision detection, Parking mode or manually.
• CARDV>Normal: Normal videos.
• CARDV>Photo: Saved snapshots.

Recorded video and photo files are saved using the following naming rules:

• Date + time + index

> **Note:**
> Compatible with Windows (XP and later) and Mac (OSX and later).

6.4 Reset

In the event of a software crash you can reset the dash camera. To reset the dash camera press and hold the power button (4) for 7 seconds.

> ⚠ **WARNING:**
> Press reset button only when the device crashes. Under normal circumstances, please do not reset.

7 SETTINGS OVERVIEW

Menu	Feature	Description	Available option
Main Menu	Video Resolution	Set the resolution of the videos to be recorded.	Front camera and rear camera connected: 2160P + 1080P 30FPS 1440P + 1080P 30FPS 1080P + 1080P 30FPS Front camera only: 3840x2160P 30FPS 2560x1440P 30FPS 1920x1080P 60FPS 1920x1080P 30FPS
	Loop Recording	Set the duration of each video file (see 4.5).	1 min / 3 mins / 5 mins
Settings	App Download	Display the QR code to download the Smartphone App.	Scan it with a QR code scanner App and download the Z-DashCam App on your smartphone
	Language	Set the language of the user interface.	English / German / Japanese / Chinese
	Date / Time	Set the Date / Time. (see 4.1)	DD / MM / YYYY HH : MM
	Sound Recording	Enable/disable sound recording.	On / Off
	Car Monitoring	Enable/disable Parking Mode or Motion Detect.	Parking Mode / Motion Detect / Off
	Startup Chime	Enable/disable the power on/off sound effect.	On / Off
	Fatigue Driving Alert	Driver Fatigue alarm.	1 hr / 2 hrs / 4 hrs / Off
	G-Sensor	Set the sensitivity of the G-Sensor. (see 4.6)	Off / High / Medium / Low

Menu	Feature	Description	Available option
Settings	Watermark	Add/remove logo, date& time, watermark, visible on saved video recordings and photos.	On / Off
	WDR	Enable/disable the Wide Dynamic Range	On / Off
	Exposure	Set the exposure level.	-2.0 to +2.0
	Frequency	Set the display frequency of the video recording.	50Hz / 60Hz
	Key Tone	Enable/disable the sound effect when tapping the screen.	On / Off
	Screen Saver	Set screen saver time.	Always On / 1 Min / 3 Mins / 5 Mins
	WiFi	Enable/disable WiFi connection.	On / Off
	Device Auto Off	Select the delay time for dash cam to turn off after power supply cut off.	Off / 1 Min / 3 Mins / 5 Mins
	Delete Reminder	Enable/disable a reminder to delete the locked video.	On / Off
	Format SD Card	Format the TF/Micro SD card. Warning: All files on the TF/ Micro SD card will be deleted and CANNOT be restored or recovered.	Yes / No
	Default	Reset all setting options to the factory default settings.	Yes / No
	About	Firmware Version / WiFi Name / WiFi Password / SN	-

8 FAQs

Why does the cam keep asking Format SD card ?
- You need to format the SD card directly in the dash cam's setting menu before the first use.
- Please use only well-known brand SD cards. No-name cards are not compatible with our dash cam and can even damage the dash cam!

Where should I place the dash cam?
- We recommend that you mount the dash camera as close to the center of the windshield as possible. This should neither distract the driver nor block the drivers view (see 2.2).

Why does the dash cam stop recording after some time?
- Your micro SD card may be full and need to be formatted before using again. 4K videos will take up a lot of card capacity and G-S ensor locked videos cannot be erased automatically. We recommend formatting your TF/Micro SD card every 14 days.

Why do you recommend Class 10 micro SD card or above?
- 4K video has a bigger data flow and hence requires a micro SD card with faster writing speed. If TF/Micro SD cards below Class 10 are used, they may cause the dash cam to freeze or other related video recording/erasing issues.

How do I turn off the screen/audio during recording?
- To turn off the screen, tap the screen to bring up the Shortcuts and select the Display Off icon (G).
- To turn off audio recording, tap the screen to bring up the Shortcuts and select the Sound Recording icon (D).

How long will the battery last after a full charge?
- The dash cam battery usually takes 2-3 hours to fully charge. This can happen simultaneously whilst the dash cam is plugged into your car and recording. The battery can last 5-10 mins on a full charge depending on the model and environmental temperature.

How do I record videos?
- All dash cams are programmed to automatically record when there is power connected and a TF/Micro SD card inserted. When the engine is turned off, or power is disconnected, the dash cam will stop recording approximately after 10 seconds.

Item	Description
Image Sensor	CMOS sensor
Effective Pixels	3840x2160P (Front camera only)
Storage Media	Supports up to 256GB Class 10 or above
LED Display	4.0″ TFT LCD Touch Panel
Lens	Viewing angle 155°, F1.75 ;
Focus Range	1.5m~Infinity
Movie Clip	UHD 4K (3840 x 2160); WQHD (2560 x 1440); FHD 1080P (1920 x 1080);
	MP4
Still Image (Snapshot)	8M
	JPEG
G-Sensor	Yes
Microphone	Yes
Speaker	Yes
WiFi Connection	Yes
Battery	Built-in Li-polymer rechargeable (NOT replacable)
Operating Temperature	14° ~ 140°F
Storage Temperature	-4° ~ 158° F
Dimensions	121 x 72 x 31mm
Weight	Approx. 175g (6.17oz)
Car Charger	INPUT: DC 12-24V, OUTPUT: DC 5V 2.4A

Note:
The design and specifications of this product could be amended at any time without prior notifications. There might be some differences between the product and the description in this manual

10 IMPORTANT SAFETY PRECAUTIONS

The content in this document is for information purpose and is subject to change without prior notice. We made every effort to ensure that this User Guide is accurate and complete. However, no liability is assumed for any errors and omissions that may have occurred. The manufacturer reserves the right to change the technical specifications without prior notice.

Notes on Installation
1. Install the device near the rear-view mirror to obtain the best open-field view. Do NOT install the Dash Cam in a location that will obstruct your required driving view.
2. Make sure that the lens is within the wiping range of the windscreen wiper to ensure a clear view even when it rains.
3. Do not touch the lens with your fingers. Finger grease may be left on the lens and will result in unclear videos or snapshots. Clean the lens on a regular basis.
4. Do not install the device on a tinted window. Doing so may damage the tint film.
5. Make sure that the installation position is not hindered by the tinted window.

Caution
- Use the authorized charger only.
- Never disassemble or attempt repair of this product. Doing so may damage the Dash Cam, cause electric shock and void your product warranty.
- Never short-circuit the battery.
- Exposing the Dash Cam to open flames can cause an explosion.
- Due to local laws and vehicles safety considerations, do not manually operate the device while driving.
- Z-Edge is NOT responsible for the loss of any data/content during operation.
- Before mounting, please check with the local DMV for the traffic laws of the location/method to mount appropriately.
- Audio recorded with the video may not be valid jurisdictional evidence, and it may be illegal to present such audio to the jury in some states.

For some vehicles, DC power socket will keep the supply of power after the engine is turned off. To avoid car battery drain, please manually unplug the Dash Cam when the engine is turned off.

IMPORTANT:
Before you start using the Dash Cam it is assumed that you agree to the above statements.

11　CUSTOMER SUPPORT

For customer support inquiries please contact:
support@z-edge.com
Or visit our website: www.z-edge.com

@zeroedgeGA
facebook.com/zeroedgeGA/

@zeroedgeGA
pinterest.com/zeroedgeGA

@zeroedgeGA
twitter.com/zeroedgeGA

@zeroedge
youtube.com/zeroedge

Follow us to get the latest updates.

12　WARRANTY

Thank you for choosing Z-EDGE. Your satisfaction is always our first priority.

All Z-Edge customers have a 30-day money back guarantee, to make sure your shopping experience is worry-free.

By default, the unit warranty-period is set to **12 months** from the unit-shipped date. You can be corrected to **18 months** by registering your order and product in our official website within 30 days of receiving the product.

Product Registration URL:
www.z-edge.com/pages/register

FCC Statement

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. Its 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.
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement:

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

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