

UTOUR

AI Collision Avoidance Dashcam C3L

The User Manual and Quick Start Guide

— Safe Driving, Easy Driving —

Welcome to UTOUR AI Collision Avoidance Dashcam C3L.

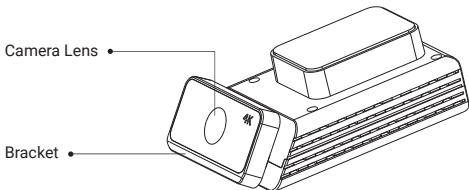
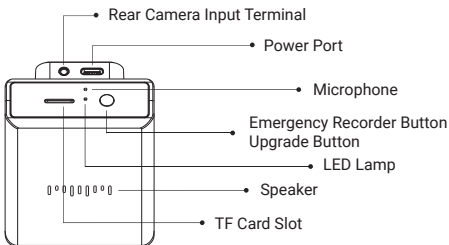
1.You can scan the QR Code on the right or search "UTOUR" in App Store/Google Play to download and install it.



2.Follow the directions of the App,you can connect to the AI Collision Avoidance Dashcam C3L for settings.

Product Overview and Package Contents

Main unit

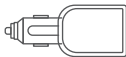


Components

❶



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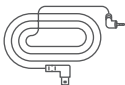
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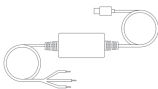
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❶ Crowbar x 1

❸ Electrostatic Sticker x 1

❺ Power Cable x 1

❼ Rear Camera Cable (Optional)

❷ Car Power Adapter x 1

❹ External GPS Module x 1

❻ Rear Camera (Optional)

❽ Hardwire Kit Cable (Optional)

Installation Guide

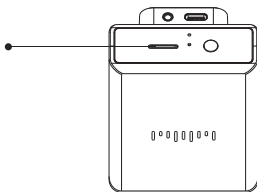
The proper functioning of UTOUR AI Collision Avoidance Dashcam C3L relies on accurate and precise installation steps. Please strictly follow this installation guide to avoid potential issues caused by improper installation.

◆ Step 1

Insert the TF card into the TF card slot on the main unit (ensure correct orientation of the TF card).

★ **Important Note:** The UTOUR AI Collision Avoidance Dashcam C3L is compatible with TF cards of 16–512GB and must use UHS 3 (U3) TF cards. To avoid compromising your experience, please use compliant TF cards.

Insert a TF card into
the TF Card Slot



◆ Step 2

For optimal product functionality, please ensure the following installation conditions.

1. Install the electrostatic sticker.

Clean your windshield and put the electrostatic sticker on the recommended area as shown in the figure. Avoid the edge of the windshield and select the flat and smooth area for the installation. Make sure you remove air bubbles between the sticker and the glass.



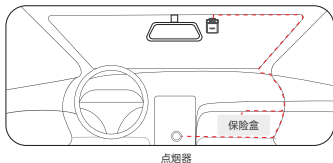
★ **Warm Tip:** If the windshield within the recommended device installation area contains black grid regions, the static cling sticker cannot adhere effectively to these areas. Please avoid these zones and select a position adjacent to the recommended area.

2. Stick the Main unit mount base to the windshield.

- ① Please tear off the Camera lens protective film.
- ② Remove the protective film of 3M glue from the back of the bracket, and paste the bracket onto the electrostatic sticker. Press the bracket to make sure it is firmly attached to the electrostatic sticker.

3. Connecting the power supply.

- ① As shown in the figure, run the power cord along the top of the windshield, down the A-pillar, and around the glove compartment, so that the power connector is near the cigarette lighter. Connect one end of car charger to cigarette lighter socket, and another end to the Device.
- ② Connect the Rear Camera to the Rear Camera Cable, and insert the other end into the AV- IN Port of the device; Paste the Rear Camera on the glass. Please tear off the Rear Camera lens protective film before.



★ **Warm Tip:** Depending on the vehicle, the cigarette lighter socket may be located in a different position. The figure provided is for reference only.

◆ Step 3

Please turn the device up or down to make it face forward horizontally.

Start the car, the product will automatically turn on, and a power-on prompt sound will be issued, and the continuous video storage will begin. Please use the mobile APP to complete personalized configuration. (During daily use of the C3L, there is no need to connect the APP to the device.)

APP Settings

◆ Step 1: Connect to WiFi

The C3L is equipped with a built-in wireless WiFi module, allowing the smartphone to connect directly to the device and establish a wireless local area network (WLAN). Through the wireless data transmission feature, the "UTOUR" App enables users to view real-time previews of C3L's footage and playback recorded videos. These operations do not consume cellular data.

Operation Steps:

1. Ensure the device is properly powered on and maintains a 2-meter operational range with the smartphone.

2. Open the "UTOUR" App, navigate to the "Camera" section via the bottom menu, and tap the "+" symbol in the top-right corner to add a device. Proceed with "Next" > "Connect WiFi".

3. From the Wi-Fi list, select the network named "UTOUR C3L - [Device ID]" (Device ID is printed on the product label or packaging).

① Android: Choose the corresponding Wi-Fi name, enter the default password: 12345678, and confirm. If prompted, select "Continue" to proceed.

② iOS: Open Settings > Wi-Fi, select the target network, input the default password: 12345678, and tap "Join".

4. After successful connection, park the vehicle on level ground (avoid slopes or inclined surfaces). Ensure the front of the vehicle has at least 20 meters of unobstructed space for activation.

◆ Step 2: AI ADAS Driving Assistance Algorithm Calibration

1. Please open the "UTOUR" App, and connect the APP to the device through the WIFI, and then navigate to the "Recorder" section, and tap "Enter Recorder" to access the live preview screen. Ensure the Front Camera feed is displayed (do not switch to the Rear Camera).

2. Adjust up and down the angle of the Front Camera. The goal is to position the horizon line in the center of the preview screen, with the sky and ground each occupying approximately 50%.

3. Start the vehicle and drive on a public road to initiate calibration.

① First-time calibration: Requires 3–5 minutes of driving until the system emits a "Calibration Complete" notification.

② Subsequent recalibration: If the camera angle shifts significantly, adjust the vertical angle again. The system will automatically recalibrate to maintain ADAS functionality accuracy.

★ Important Notes: Critical Calibration Conditions (First-Time Use):

① Vehicle must travel on roads with clear lane markings on both sides.

② Maintain a speed of ">30 km/h".

③ Avoid congested traffic.

④ Minimize lane changes during calibration.

⚠ Important Note:

If objects with strong reflection and whiter light (such as paper towels and decorations) are placed on the dashboard, they may cause interference to the algorithm in some driving scenes and affect your experience. Please be sure to avoid them.

AI Collision Avoidance Warning Functions

Navigate through the “UTOUR” APP Home Screen > Access Camera > Camera Settings > AI Settings menu to adjust parameters for each AI collision avoidance warning function.

◆ Forward Collision Warning (FCW)

While driving, the AI Collision Avoidance Dashcam C3L will continuously monitors the front vehicles and precisely calculates the risk of rear-end collision. When the front vehicles exhibit behaviors such as deceleration or emergency braking that pose a collision risk, C3L will promptly trigger audible alerts to prompt the driver to adjust speed or change lanes, effectively mitigating collision risks.

★ Warm Tips:

- ① Adjust the minimum activation speed via the App: 30 km/h, 40 km/h, or 50 km/h (tailored to driving habits).
- ② Set the system' s responsiveness to High, Medium, Low, or Off via the App.
- ③ Covers motorcycles, motorized tricycles, and other two-wheeled or three-wheeled vehicles as potential hazards.



Forward Collision
Warning (FCW)

◆ Pedestrian Collision Warning (PCW)

When the vehicle speed is between 5 km/h and 60 km/h, the AI Collision Avoidance Dashcam C3L can precisely detect hundreds of pedestrian gestures(e.g., crossing the road or encroaching on the roadway). It continuously monitors pedestrian dynamics ahead and immediately triggers audible alerts when collision risks are identified, prompting the driver to adjust speed or change lanes to effectively avoid collisions.

★ Warm Tips:

① Adjust the detection sensitivity via the App: High, Medium, Low, or Off (tailored to driving habits).

② Covers bicycles, electric bicycles, electric tricycles, and other two-wheeled or three-wheeled non-motorized vehicles as potential hazards.



Pedestrian Collision Warning (PCW)

◆ Lane Departure Warning (LDW)

During prolonged driving, drivers may experience distractions, inattention, or fatigue, increasing the risk of unintentional lane departure. The AI Collision Avoidance Dashcam C3L precisely identifies lane markings and promptly triggers audible alerts when the vehicle begins to drift out of its lane, enabling drivers to regain control and avoid veering off the road or colliding with adjacent vehicles.

★ Warm Tips:

① Under certain conditions, standard lane changes may also activate warnings. Disable this feature via the APP "AI settings" interface if unnecessary.

② Adjust the system's responsiveness to High, Medium, Low, or Off through the App, aligning with driving habits.



Lane Departure Warning (LDW)

◆ Front Car Moving Warning (Stop & Go)

When the vehicle remains stationary for >5 seconds, the AI Collision Avoidance Dash C3L employs AI algorithms to detect front-vehicle movement within 6 meters. If the system identifies that the leading vehicle has started moving while the host vehicle remains idle, it triggers audible alerts to prompt the driver to promptly initiate movement, thereby avoiding missed traffic lights, rear-end collisions, or unnecessary delays.

★ Warm Tips:

① Adjust the system' s responsiveness to High, Medium, Low, or Off through the App, aligning with driving habits.



Front Car Moving
Warning (Stop & Go)

View Album, Preview, or Playback Video

To access device album photos, real-time video preview, playback of recording, or download photos/videos, users must first connect the device to the mobile app via WiFi and perform operations within the app.

Other Settings

Access the full settings interface of the AI Collision Avoidance Device C3L, navigate through the "UTOUR" APP Home Screen > Camera >Access Camera >Camera Settings. Users can customize device parameters.

Instructions for Use of AI ADAS Features

Before using UTOUR AI Collision Avoidance Dashcam C3L, please read the following safety notice carefully and take appropriate safety precautions. When you install the UTOUR AI Collision Avoidance Dashcam C3L on the car, it means that you are aware of the following conditions and agree to use this product in accordance with the instructions.

1. UTOUR AI Collision Avoidance Dashcam C3L is an advanced driving assistance system (ADAS) that can provide warnings to drivers in some potentially dangerous situations, but it is not an automatic driving system and cannot replace drivers to control cars under any circumstances. Drivers must always be awake and cautious, strictly abide by traffic rules and regulations, and ensure

driving safety by themselves.

2.UTOUR AI Collision Avoidance Dashcam C3L uses the world's leading computer vision and deep-learning technology, but we can not guarantee the complete and accurate identification of all vehicles,pedestrians,lane lines or other traffic elements , nor can we guarantee to provide complete and accurate visual or sound warning.

3.External matters (e. g . stains , oil stains , water stains , dust , fingerprints , etc.) on the surfaces of car windshield and camera may cause some anti-collision functions failure. Please keep both the windshield and camera surface clean and dry to ensure clear vision of the camera . Do not touch or play with the camera at will.

4.Self-luminous/strongly-reflective/high-brightness objects (e.g. white paper, plastic bags,metal/ceramic/glass products, etc.) placed on the top of the dashboard may reflect images on the windshield , interfere with camera vision and cause some anti-collision functions failure.

5.Some bad weather may cause some anti-collision functions failure , including but not limited to: rain,snow,fog,haze,dust,typhoon,tornado,extreme cold and hot.

6.Some bad lighting conditions may cause some anti-collision functions failure , including but not limited to:backlighting,tunnels,culverts,forests and other scenes with insufficient lighting, and scenes with strong light such as high beam , spotlight, laser ,flame , explosion,etc.

7.Some poor road conditions may affect the intelligent adjustment and lane departure warning device of the UTOUR AI collision Avoidance Dashcam C3L, including but not limited to:lane markings that do not meet the standards , severely worn lane markings , and soil/snow/ lane signs covered by foreign objects such as stagnant water.

8.Some special types of vehicles may not be accurately identified by UTOUR AI Collision Avoidance Dashcam C3L , including but not limited to: military vehicles , ancient vehicles , exotic vehicles , exotic painting vehicles , special engineering vehicles , trailers loaded with special shaped items , and passing vehicles.

9.Some people with special postures or special shaped clothes may not be accurately identified by UTOUR AI Collision Avoidance Dashcam C3L, including but not limited to: people wearing low-visibility clothing such as camouflage uniform, people in special postures such as squatting/kneeling/lying down , people performing sports movements such as dance/martial arts/gymnastics/yoga , and people riding horse or taking special transportation such as carriage.

10.The sudden appearance of unknown objects in the field of vision may cause some anti-collision functions failure for a short time , including but not limited to balloons , drones , flying toys , balls and sporting goods , high-altitude parabolic and floating garbage.

11.By upgrading the version of AI anti-collision algorithm , the functional failure rate of the above special scenes will continue to decrease. Please refer to the actual experience.

FCC Warning

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.

NOTE: 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:

- ① Reorient or relocate the receiving antenna.
- ② Increase the separation between the equipment and receiver.
- ③ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ④ Consult the dealer or an experienced radio/TV technician for help.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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

Notes

To ensure proper and safe use of this product, please read all the notes before use.

- 1.UTOUR does not bear any responsibilities to any loss caused by malfunction , information loss and improper operation of products.
- 2.Some functions may not work normally due to differences in vehicle conditions , driving behavior , driving environment , etc. , and product functions may fail due to power off, abnormal temperature , collision , storage damage, etc.
- 3.Please pay attention to driving safety. The installation position of the device should not block the driving sight or affect vehicle settings such as airbags. Please do not debug the device or carry out APP Operation during driving.
- 4.Please cut off the power supply before inserting or removing the TF card. Please use the high-quality TF cards purchased through regular suppliers. UTOUR does not bear any responsibilities to any loss caused by the Non-compliant with standards of the TF cards.
- 5.The normal working temperature range of this product is - 20℃ ~ 65℃ . It is forbidden to use it out of the indicated temperature environment. Please do not touch the device main unit in high temperature environment to prevent scalding.
- 6.Please don' t modify this product by yourself.Please use the standard components such as car charger and power cables to ensure normal working and avoid device damage , explosion or fire.
- 7.Please use this product within the scope permitted by law.
- 8.This manual is for reference only. Specific functions and product

pictures may slightly differ from the actual ones. Please refer to the actual product.

Contact US

Manufacturer : Shenzhen Utour Innov Tech Co. , Ltd.

Official website: www.utourgo.com ; www.utourinnov.com

For any questions please contact : support@utourgo.com