KENSHI

User Manual

K430

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Dear Customer,

Thank you for choosing our products.
We are pleased to offer you appliances and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the device, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

Intended Use

The dash cam is designed to record video and audio of the surroundings around a vehicle while it is moving or parked.

Safety Precautions

- Do not make any modifications to the device's design.
- To prevent short circuits, do not allow the device to come into contact with any liquids, and do not place open containers of liquid near it.
- Do not expose the device to electromagnetic radiation.
- This device is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to play with the device.
- This device is not intended for commercial use.
- When installing the dash cam, make sure it does not obstruct the driver's view, interfere with airbag deployment, or affect the operation of any other vehicle systems.

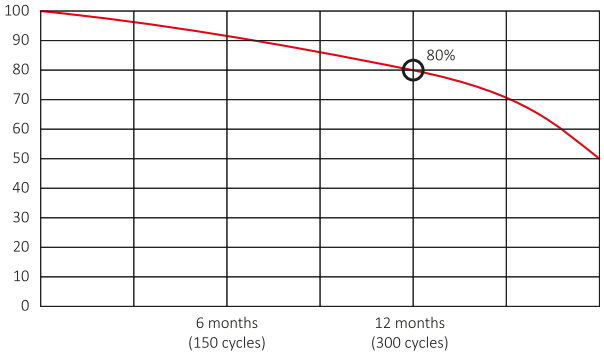
Rechargeable Battery Guidelines (Li-pol/Li-ion)

Dear Customer, please note that this device uses a lithium-based rechargeable battery as its power source. Please carefully read the information below to help extend the life of your battery and prevent undesirable consequences during its operation.

Battery Capacity and Charge-Discharge Cycles

During prolonged storage and use, the rechargeable battery (hereinafter referred to as «the battery») tends to lose its charge and capacity. After 300 charge-discharge cycles (approximately one year of device use), the battery capacity may decrease to 80% of its nominal value. After 400 charge-discharge cycles, the battery capacity may decrease to 60% of its nominal capacity. Partial capacity reduction within these limits and time frames is natural battery wear and is not considered a defect.

Battery Capacity and Number of Charge-Discharge Cycles



Natural Battery Wear

The battery loses charge even when stored separately from the device. The self-discharge rate is approximately 5% per month. Due to their design, batteries are not durable and constantly degrade regardless of whether they are in use. This degradation accelerates at higher temperatures and when the charge level deviates from the «optimal» storage level, which is generally considered to be 40%. In other words, if the battery is not in use, it is advisable to keep the charge level between 40% and 50%.

Use Only the Original Charger

The battery's charge and discharge capability is controlled by its built-in Battery Management System (BMS). Forced «fast charging» modes using external chargers for Li-ion batteries are strictly not recommended, as charge and discharge currents are limited. Li-ion batteries do not have a so-called «memory effect». You can start charging or discharging the battery from any charge level.

Most devices have charge and discharge limits—the controller may prevent the battery charging if, for example, the charge is already above 90%. It will also prevent the battery from fully discharging, protecting the cells from damage. Even if the device is powered by the electrical grids, the Li-ion battery should undergo a full charge/discharge cycle at least once a month (until the «low battery» warning appears). Never let the battery discharge completely. A Li-ion battery degrades quickly if stored in a discharged state for a prolonged period. If this happens, charge it immediately. If the battery remains in a discharged state for two weeks or more, irreversible capacity loss occurs in the cells, which will ultimately lead to battery failure.

Observe the Temperature Requirements

Batteries must be stored in a charged state at temperatures between +15 °C and +35 °C with normal humidity. Batteries do not perform well during prolonged operation in very high (above +40 °C) or very low (below -10 °C) ambient temperatures. Do not leave the battery in direct sunlight.

Do Not Disassemble, Burn, or Use Damaged Batteries

Under no circumstances should you attempt to disassemble the battery or charge its individual cells. For repair or maintenance, please contact an authorized service center. Puncturing or crushing the cells can cause an internal short circuit, leading to fire and explosion. Melting of lithium due to high temperatures can also cause an explosion. If the seal is broken, water or condensed atmospheric moisture can enter the cell, potentially triggering a reaction that releases hydrogen and causes a fire. You can check the current battery status using the battery indicator, which is available on almost all devices (please check its location and operation method at the time of purchase).

CAUTION!

- Be careful — damaged batteries may release harmful substances.
- If the battery is replaceable (removable), and you discover problems with its performance, contact a service center (see the warranty period in the warranty information). If the battery is built-in (an integral part of the device), the warranty applies to the device itself. You should also contact a service center. The sooner you bring a malfunctioning battery in for repair, the more likely it can be restored with minimal cost.
- Battery operating time depends on many other factors, and the actual operating time may differ from the stated value.
- Rechargeable batteries have a limited number of charge cycles and may eventually need replacement (see the limited warranty conditions for the battery in the warranty information). Battery operating time depends on the usage mode and settings.

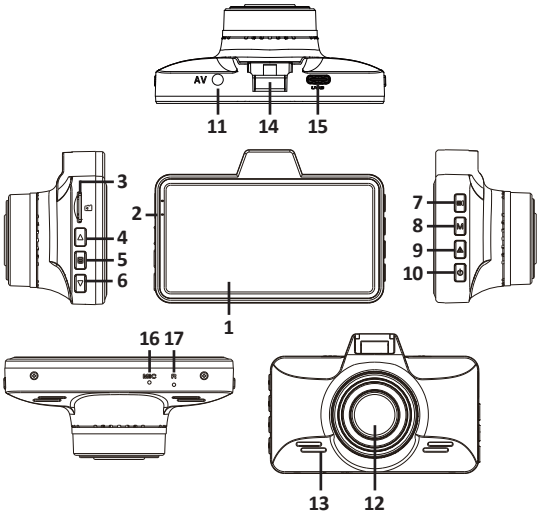
Specifications

- Model: K430.
- Trademark: Kenshi.
- Power supply: 5 V ⎓ 2 A.
- Power source: Vehicle electrical system (12–24 V).
- Display:
  - Type: LCD;
  - Screen size: 3’’;
  - Sensor: SC401AI.
- Number of cameras: 2.
- Front camera: 120° field of view, 4 MP.
- Rear camera: SC223A sensor, 120° field of view, 4 MP.
- Video resolution: 3840 × 2160 (front camera), 1920 × 1080 (rear camera).
- Video file format: MP4.
- SD Card:
  - Format: microSD.
  - Speed class: Class 10.
  - Maximum capacity: 256 GB.
- Built-in battery: Li-ion, 5.8 mAh, 3 V.
- Operating temperature: -20 °C to +70 °C.
- Ports: microSD, Type-C, AV.
- Wireless interfaces: Bluetooth, Wi-Fi 6.
- Wi-Fi:
  - Wireless standard: IEEE 802.11 b/g/n/ax.
  - Operating frequency range: 2412–2484 MHz.
  - Transmitter power: ≤ 10 dBm.
- Bluetooth:
  - Wireless standard: IEEE 802.15.1.
  - Operating frequency range: 2402–2480 MHz.
  - Transmitter power: ≤ 14 dBm.
- Audio recording: Yes.
- IP code: IPX0.
- Scope of application: Domestic.

Package Contents

- Device.
- Rear-view camera.
- Type-C cable.
- Charger.
- Suction mount.
- Cleaning cloth.
- Electrostatic sticker (2 pcs).
- Cable clip (5 pcs).
- Cable routing tool.
- User manual.

Device Diagram

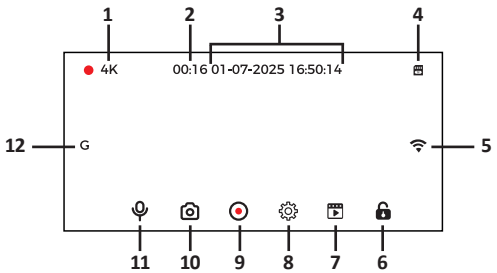


1. Display.
2. Status indicator (flashes blue while recording, solid while in standby mode).
3. Memory card slot.
4. «Up» button.
5. «Menu» button.
6. «Down» button.
7. «OK»/«Record» button.
8. Mode button.
9. Lock button.
10. Power button.
11. AV port (for connecting the rear-view camera).
12. Lens.
13. Speaker.
14. Mount connector.
15. Type-C charging port.
16. Microphone.
17. Factory reset button.

Button Reference

Button	Description
⏻	• Press to turn on the device. • While the device is on, press to turn the display off/on. • Press and hold for 3 seconds to turn off the device
M	• Press to switch between playback formats (video/photo/locked videos). • While browsing files, press to return to the previous menu level
△	• In menu mode: Press to move up through the menu. • In recording mode: Press to switch between the front and rear cameras
⚠	While recording, press to lock the current video file
▽	• In menu mode: Press to move down through the menu. • In recording mode: A short press enables audio recording
OK	• In recording mode: Press to start/stop recording. • Press and hold for 3 seconds to take a photo while recording. • In settings mode: Press to confirm your selection
R	Press to restart the device
☰	Press to open/close the menu

Display

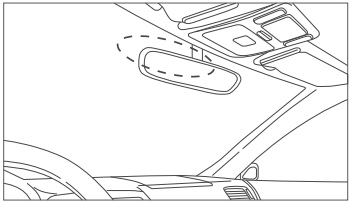


1. Video resolution.
2. Recording time in the current loop.
3. Date and time.
4. Memory card indicator.
5. Wi-Fi indicator.
6. Video lock indicator.
7. Playback mode.
8. Settings.
9. Time-lapse recording.
10. Photo capture.
11. Audio recording.
12. G-sensor.

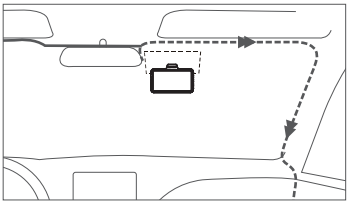
Installation

Installing the Front Camera

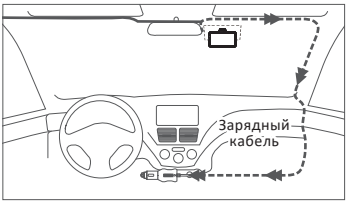
1. Choose a suitable spot on the windshield where the camera will not obstruct the driver's view. Clean the mounting area.



2. Attach the electrostatic sticker to the mounting spot. Connect the charging cable to the dash cam's Type-C port and route it along the edge of the windshield. Make sure it does not run through the airbag deployment zone.



3. Insert the included mount into the corresponding port on the dash cam's housing. Attach the mount with the camera to the windshield. Connect the adapter to the cigarette lighter socket.



Note: To detach the camera from the mount, press the release latch.

Installing the Rear Camera

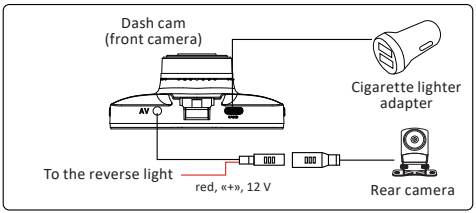
The rear camera comes with a 6-meter cable for connecting to the dash cam via the AV port. Before installation, make sure the cable is long enough to route through your vehicle.

Option A: Interior Installation

Mount the camera on the inside of the rear window. In this case, the camera can only be used for viewing and recording — the parking assist feature (on-screen guideline overlay) will not be available.
Note that this method has the drawback of reduced image quality due to glass dirt, window tint, and similar factors.

Option B: Exterior Installation

Mount the camera on the vehicle body, near the license plate.
This method provides a clear, detailed image for viewing and recording. To enable the parking assist feature, connect the camera's red wire to the positive terminal of the reverse light, as shown in the diagram below:



Operating Instructions

Getting Started

Before first use, complete the following steps:

1. Make sure the front and rear cameras are correctly connected to power.
2. Insert the memory card into the device, aligning its gold contacts with the connector's contacts.
3. Turn on the dash cam.
4. Be sure to format the memory card before first use, to ensure stable recording.

CAUTION!

- The memory card is not included.
- Do not insert or remove the memory card while the dash cam is turned on.
- It is recommended to use a microSD card (Speed Class 10 or higher) with a capacity between 16 GB and 256 GB. 128 GB is the optimal choice.

Formatting the Memory Card

To format the card through the dash cam's menu:

1. Open the settings.
2. Find and select «Format Memory Card».
3. Confirm the action.

You can also format the memory card through the smartphone app (see «Using the App» for connection instructions).

CAUTION! Formatting will erase all data on the card.

Operating the Device

Video Playback

- Press the « △ » / « ▽ » button to select a file.
- Press the « ☰ » button to open the file management menu.
- Press the « OK » button to play/pause the selected video.
- Press the « M » button to exit playback mode.

Photo Playback

- Press the « △ » / « ▽ » button to select a file.
- Press the « ☰ » button to open the file management menu.
- Press the « OK » button to view the selected file.
- Press the « M » button to exit photo viewing mode.

Playing Locked Videos

This section contains videos that were locked automatically by the G-sensor, or manually using the « ⚠ » button. These recordings are protected from deletion.

- Press the « △ » / « ▽ » button to select a file.
- Press the « OK » button to play/pause the selected video.
- Press the « M » button to exit playback mode.

Using the App

Use the smartphone app to easily view and download recordings from the dash cam, and to control it remotely.

1. Search for the «KACAM» app on Google Play or the App Store. Download and install it.

Android **iOS**

2. Turn on the dash cam and enable its Wi-Fi function.
3. In your smartphone's Wi-Fi settings, find and select the KENSHI K430 device. Password: 12345678. Your smartphone will connect to the dash cam over Wi-Fi.
4. Open the installed app. Register a new account using your email address, or sign in to an existing one. If you run into registration issues, you can skip this step by tapping «Skip Login» in the top-right corner.
5. Tap «+» (add device), and select the «With Screen» dash cam option from the menu that appears. Before doing this, make sure the dash cam is connected to a 5 V ⎓ 2 A power source and turned on.
6. Then follow the instructions in the app.

CAUTION! The device's Wi-Fi range is approximately 3 meters. The dash cam is not designed to stream video via cloud services or the internet. You can only view live video in the app while within 3 meters of the dash cam.

Initial Setup

For Android Devices

10–15 seconds after connecting to the Wi-Fi network, a pop-up notification on your smartphone will indicate that there is no internet connection. Tap this notification and, in the window that appears, confirm that you want to stay connected to this network anyway.

For Apple Devices

If a message appears indicating no internet connection, tap «Keep Wi-Fi Connection.» Otherwise, your smartphone will disconnect from the Wi-Fi network, and you will need to start the pairing process again.

Feature Overview

Video Resolution

Front and rear cameras:
- 4K (3840 × 2160p + 1080p).
- 2K (2560 × 1440p + 1080p) (default).
- 1080p (1920 × 1080p + 1080p).

Front camera only:
- 4K (3840 × 2160p).
- 2K (2560 × 1440p) (default).
- 1080p (1920 × 1080p).

Video Clip Length

Footage recorded by the camera is automatically split into clips of a set length:
- 1 minute (default).
- 3 minutes.
- 5 minutes.

Once the memory card is full, the system automatically deletes the oldest clip and records a new one in its place, enabling uninterrupted loop recording.

G-Sensor

Setting the G-sensor sensitivity level:
- Off (automatic video locking is disabled).
- Low.
- Medium (default).
- High.

The G-sensor is a three-axis accelerometer that detects sudden impacts on the dash cam, such as collisions, hard braking, or rapid acceleration. When triggered, the current video file is automatically locked and moved to a protected folder, so it cannot be deleted when the memory card fills up.

ADAS (Lane Departure Warning)

- Off (default).
- On.

With ADAS enabled, if the vehicle exceeds 50 km/h, the system will issue a warning whenever you change lanes without using the turn signal.

CAUTION! This function is unavailable when recording in 4K. To use it, select a lower resolution.

Parking Mode

Parking Mode is only available when the dash cam is connected directly to the vehicle's electrical system via a hardwire kit, or through an OBD connector (OBD hardwire kit). Once connected, 3 options are available.

- **Off** (default).
- **Collision Detection**: The dash cam automatically stops running when the engine is turned off. If a collision occurs, it automatically turns on, records a 1-minute locked video clip, and then turns off again.
- **Time-Lapse**: When the engine is turned off, the dash cam stays on and switches to time-lapse recording after 5 seconds. It briefly activates recording at regular intervals, producing a highly sped-up, low-frame-rate video — this allows for continuous monitoring while conserving battery power and memory card space. If a collision is detected, the device automatically switches to normal recording mode, records a 1-minute video, locks it, and then returns to time-lapse mode.

Time-Lapse Duration

- 4 hours.
- 8 hours.
- 12 hours (default).
- 24 hours.
- Always.

Time-Lapse

- On (default).
- Off.

When enabled, the dash cam records at a rate of 1 frame per second, significantly saving battery power and memory card space. During playback, the footage will appear highly sped up.

Wi-Fi

This function turns the dash cam's built-in Wi-Fi hotspot on/off, allowing it to connect to a smartphone and the app.

- Default network name: «KENSHI K430».
- Default password: 12345678.

CAUTION:

- While connected via Wi-Fi, button controls on the dash cam may be unavailable. Use the smartphone app instead.
- Connecting your smartphone to the dash cam's network will disable mobile internet on your phone.

Display Auto-Off

The dash cam's display will automatically turn off after the set time; recording will continue in the background.

- Off (the display does not turn off automatically).
- 1 minute (default)
- 3 minutes.
- 5 minutes.

Rest Reminder

A feature that reminds the driver to take a break, to help prevent accidents caused by fatigue.

- Off (default).
- 1 hour.
- 2 hours.
- 4 hours.

Once the set time has elapsed, the device will sound an alert.

Audio Recording

- Off: Audio will not be recorded.
- On (default): The video file will include audio.

Button Sounds

- Off.
- On (default).

Volume

Adjusts the volume of the alerts and notifications played through the dash cam's speaker.

- Off.
- Low.
- Medium (default).
- High.

Rear Camera Mirror Flip

- Off.
- On (default).

When enabled, the rear camera image is flipped horizontally (like a mirror), replicating the familiar view from a rearview mirror, where left and right are reversed. When disabled, the image is unmirrored, showing a direct view from the camera in which left and right match reality.

Rear Camera Vertical Flip

- Off (default).
- On.

This function rotates the video 180°. Use it if the rear camera is mounted upside down, to restore the correct image orientation.

Exposure

Lets you adjust the video exposure to get a brighter or darker image, according to your preference.

Watermark Display

Choose whether downloaded recordings show the following information: date and time, brand logo, and dash cam model name.

Frequency

The frequency depends on your country's power grid standard.

- 50 Hz: Used in Europe and most of Asia.
- 60 Hz (default): Used in the US and North America.

Language

Selects the dash cam's interface language.

Date and Time

Sets the local date and time.

Date Format

- DD/MM/YY.
- MM/DD/YY (default).
- YY/MM/DD.

Format Memory Card

- Cancel.
- Confirm.

Formats the inserted memory card. All data on it will be erased.

Memory Card Format Reminder

- 15 days.
- 30 days (default).
- 60 days.
- Off.

The dash cam will remind you to format the memory card at the selected interval if too many locked (protected) files have accumulated, which can interfere with normal loop recording.

Reset Settings

Restores all settings to their factory defaults.

Firmware Version

Check the current firmware version and download the latest version of the app.

Troubleshooting Guide

Issue	Solution
The device does not turn on	• First, rule out a faulty car adapter or lack of power at the cigarette lighter socket. To do this, connect the device via the USB cable to any working 5 V power adapter (such as a smartphone charger) and plug it into a 220 V outlet. If the camera turns on this way, it is functioning correctly. • If the dash cam does not turn on after connecting it to a charger, press the « ⏻ » button. If it still does not turn on, remove the memory card and perform a factory reset. To do this, leave the device connected to the charger and press the «R» button (located on the bottom) once with a pen tip or paperclip — the dash cam should turn on after restarting. If it still does not turn on, contact an authorized service center
The device turns on/off frequently on its own	• Use the included charger to ensure stable operation. • Check that the front and rear cameras are connected correctly — when a new connection is made, the device will restart automatically to synchronize all components. • Update the firmware. • If the problem persists, contact an authorized service center
A message appears stating the memory card is full	Format the memory card (see "Formatting the Memory Card"). Then configure loop recording (see "Video Clip Length")
Older recordings are missing	Set the correct date and time, then format the memory card. Start recording and, after a while, check whether all video clips have been saved
The device gets warm	This is normal. The device records video continuously, so it may become slightly warm during operation (up to 70 °C)
Blurry footage	• Make sure the camera lens is clean, and that the vehicle's windshield is free of dirt or grease. • Contact an authorized service center
The device flags too many incidents (frequently locks video files)	Make sure the G-sensor sensitivity level is set correctly. The appropriate level depends on your vehicle type, suspension, and road surface
Video does not play on a PC, or audio is out of sync with video during PC playback	Your PC's codecs may be outdated, or you may be using a program that does not support MP4
Recordings have no sound	• Make sure audio recording is enabled in the settings. • Make sure Time-Lapse mode is turned off

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- The installation and mounting conditions for the device are described in the «Installation» section of this user manual.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported in a dry place.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 12 months
Service Life: 24 months

For the up-to-date list of authorized service centers, please visit:
https://www.dns-shop.ru/service-center/

Additional Information

Manufacturer: Dongguan Lingdu Electronic Technology Co., Ltd.
No. 1, Longcheng Street, Qingxi Town, Dongguan City, Guangdong Province, China.

Made in China.

The product meets the requirements of the technical regulations of the TR CU (EAEU).

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.

Production date (mm.yyyy): _____ v.1

