User Manual

Dash Cam
Mirror Explorer 4

DEXP

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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

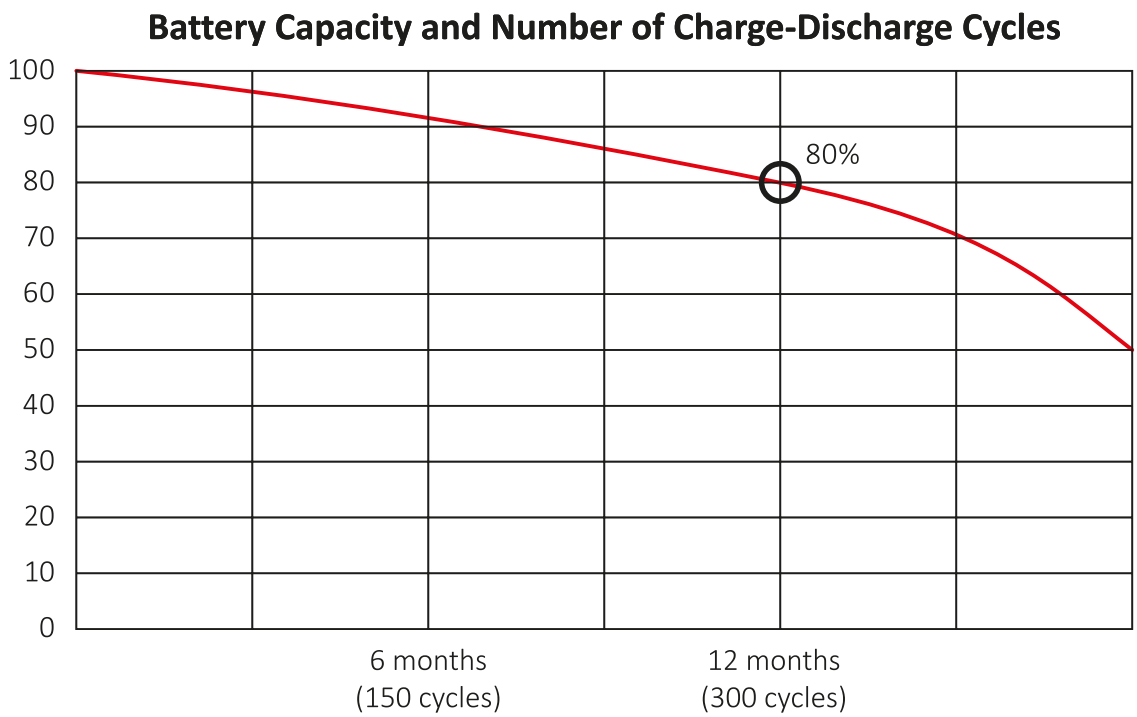
- Do not make any modifications to the device's design.
- To prevent short circuits, do not allow the device to come into contact with any liquids, and do not place open containers of liquid near it.
- Do not expose the device to electromagnetic radiation.
- This device is not intended for commercial use.
- 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.
- 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.



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

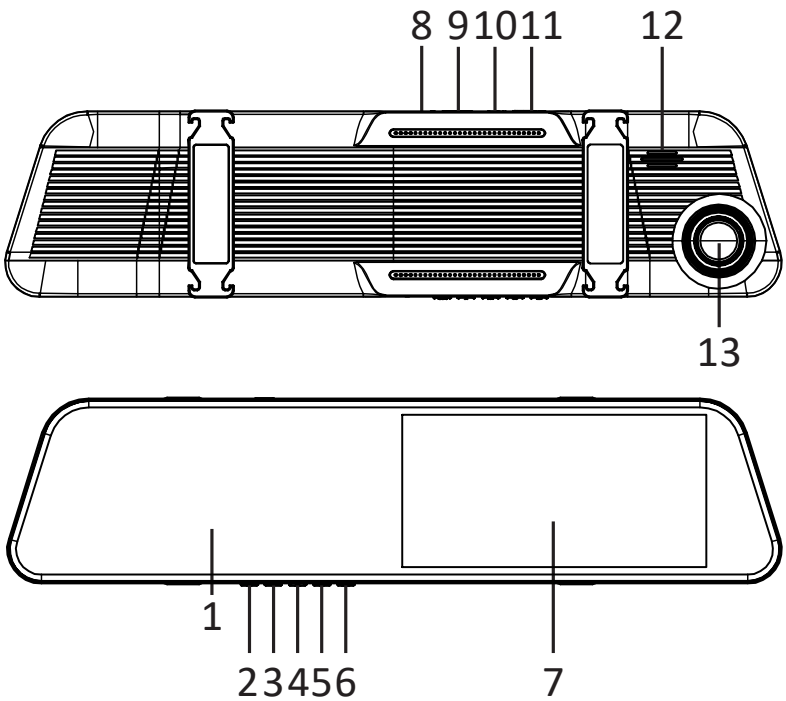
Under no circumstances should you attempt to disassemble the battery or charge its individual cells. For repair or maintenance, please contact an authorized service center.

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.

Device Diagram

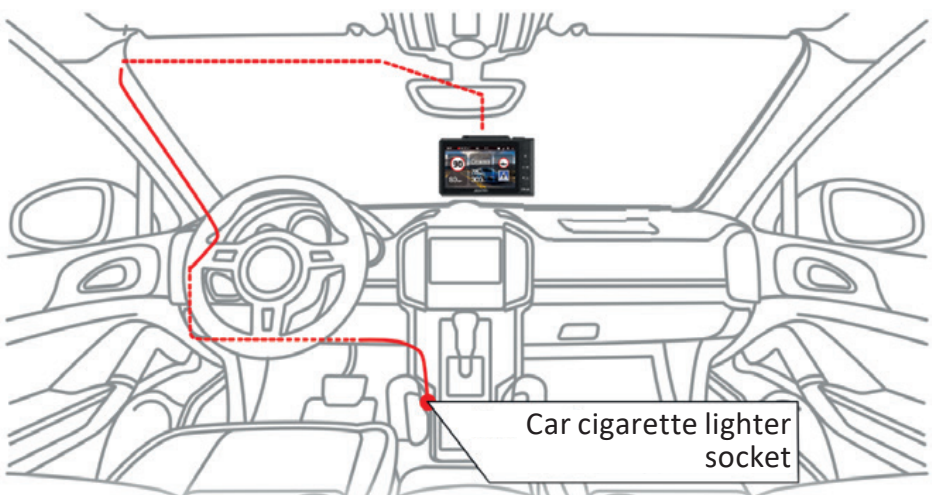


1. Microphone
2. **Menu** button.
   - Short press: Opens the device menu in standby mode.
   - Long press: Switches between **Video/Photo/Playback** modes.
   - Short press: Locks the current file while recording.
3. **Up** button.
   - Short press: Selects an option and adjusts its value in the settings menu.
   - Short press: Selects a media file in **Playback** mode.
   - Short press: Turns audio recording on/off.
4. Power button.
   - Long press: Turns the device on/off.
   - Short press: Turns the screen on/off.
5. **Down** button.
   - Short press: Selects an option and adjusts its value in the settings menu.
   - Short press: Selects a media file in **Playback** mode.
   - Short press: Switches between the front and rear camera views.
6. **OK** button.
   - Short press: Starts/pauses recording in **Video** mode.
   - Short press: Confirms a **Setting** in the settings menu.
   - In **Playback** mode: Starts/pauses playback of the selected file.

7. Display.
8. Reset button.
9. microSD card slot.
10. Rear camera port.
11. Charging port.
12. Speaker.
13. Lens.

Installing the Device

1. Insert a microSD card into the device.
2. Mount the dash cam anywhere convenient on the windshield.
3. Connect the car charger to the vehicle’s cigarette lighter socket.
4. Route the cable along the ceiling and front pillar of the vehicle so it does not obstruct the driver’s view.
5. Make sure the routed cable does not interfere with airbag deployment or the operation of any other vehicle systems.
6. Start the vehicle — the device will turn on automatically.



Video Mode

Turn on the device and press the **Menu** button to open the Video Mode **Settings** menu. Use the **Up/Down** buttons to navigate, and press **OK** to confirm each selection for the following parameters:

- Button press sound.
- Photo/video resolution.
- Loop recording.
- G-sensor.
- Date/time stamp on recordings.
- Exposure compensation.
- Motion detection.
- Audio recording.
- Display auto-off.
- Language.
- Date/time
- Format memory card.

Playback Mode

Turn on the device and press and hold the **Menu** button for 3 seconds to enter **Playback** mode. Use the **Up/Down** buttons to navigate, and press **OK** to open the following options for the selected file:

- Delete file.
- Delete all files.
- Lock/unlock file.
- Lock/unlock all files.

Troubleshooting Guide

Issue	Possible Cause	Solution
The device does not turn on	Condensation has formed inside the device	Leave the device in a warm, dry place for an hour to allow the moisture to evaporate
	The device is not receiving power from the external source	Make sure the external power source is working correctly, then reconnect the device
	A fuse has blown	Replace the fuse
	The power adapter is faulty	Replace the adapter or power cord
No video is being recorded	No memory card is inserted	Insert a memory card
	The memory card is inserted incorrectly	Insert the memory card correctly
	The memory card cannot save data	Format or replace the memory card
Recorded footage is blurry	The lens is dirty	Wipe the lens to remove dust and dirt
The on-screen image is blurry	Direct sunlight on the screen can cause a blurry image	Reposition the device
Streaks appear in the image	Direct and/or bright light can cause streaks on screen	Change the screen frequency in the "Frequency" menu setting
The device experiences a system malfunction (no image on screen, unable to switch images, unresponsive to button presses)	This can result from improper operations, such as removing the memory card during recording or pressing buttons too frequently	Perform a factory reset

Specifications

- Model: Mirror Explorer 4.
- Trademark: DEXP.
- Chipset: GeneralPlus 6247.
- Camera: GC2053 sensor, 150° field-of-view lens.
- Display: 5.0" LCD.
- Video resolution: 1920 × 1080p, 30 fps (front camera).
- Main camera resolution: 12 MP.
- Recording format:
  - Front camera: MOV.
  - Rear camera: VGA, AVI.
- MicroSD card: Up to Class 10, maximum capacity 128 GB.
- Battery: Li-ion, 200 mAh.
- Power supply: 5 V ⎓ 1.5 A.
- Ports: microSD, mini-USB.
- Storage temperature: -30°C to 70°C.
- Operating temperature: -20°C to 60°C.
- IP code: IP67.
- Scope of application: Domestic.

Package Contents

- Dash cam.
- Windshield mount.
- Car charger.
- User manual.

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: Shenzhen Wonda Tech Co., Ltd.
5/F Block 4, Longbi Industrial Park, #27 Dafa Road, Dafapu Community, Bantian Town, Longgang District, Shenzhen, 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

