Disclaimer

Flip:
Set up flip when you install dashcam on the dashboard. This function allows the screen to auto rotate the image to correct position.

1. Please follow the set-up and usage instructions in the print material that came with this Dashcam Camera (dashcam) product.

2. You should not set/install this dashcam at a place that would obstruct or reduce a driver’s view; make sure your usage comply with pertinent vehicle codes of your state, province, territory or country.

3. You should post the required notices of recordation to occupants inside the vehicle, if voices or other information/signal pertaining to in-vehicle activities will be recorded.

4. You should not change the dashcam’s setting or mode of operation when the vehicle is in motion.

5. The optional driving warning signals, including any visual or audible reminding signals, should not replace your decision-making and judgment that are needed for the proper operation of the vehicle.

6. You should not leave the dashcam in a visible spot when no one is inside the vehicle, to avoid attracting break-ins to steal the unit, or other property.

7. You should avoid extended exposure of the dashcam to direct sunlight or extreme temperatures (either high or low temperature) which tend to degrade or damage the unit and its normal functionality.

8. You should examine, check and/or verify the dashcam at least every six (6) months, including the associated memory cards, to ensure the video reception and recording are working properly. For each use, you should verify that the dashcam unit, the visible lights and the audible sounds are working normally. If there are signs of non-operation or mal-function, you should immediately seek to replace the product and check to see if the product is covered under any applicable warranty.

9. The dashcam unit may have additional functionality, such as transmission and recordation of audible or GPS signal or other identification information. If you have privacy concerns about these functions, make sure you follow the instruction to disable these functions.

10. You should use the dashcam unit in the way it is intended. You should not use the dashcam unit in a way that would be illegal or that tends to physically damage the unit, or tends to cause danger to the safe operation of the vehicle or the occupants.
1. Introduction

1.1 Package Content
These are the following accessories in the package. If any parts malfunction or are missing, please contact the distributor.

1. Drive Recorder
2. Cigar-Jack Cable
3. Mount Clip
4. USB Data Line
5. User Manual
6. Warranty Card
1.2 Drive Recorder Interface

1. Lens
2. Mounting clip notch
3. Charger socket
4. Speaker terminal
5. SD card slot
6. LED indicator
7. Microphone
8. Reset button
9. Mode button
10. Menu button
11. Play back button
12. Up arrow
13. Confirm button
14. Down arrow
15. HDMI output interface
16. Power button

2. Installation Illustration

2.1 Installation location

Please install at the location nearest the inner back mirror at the front windshield, to get a clear view.
- Place the camera lens within the wiper cleaning area, this will allow for a better view during bad weather.
- Avoid installing in the air bag operation range.
- Do not install on the car window film, to prevent damaging the car window film.
- Keep away from any interfering electronic devices.

⚠️ Air Bag Caution
DO NOT install the device on the air bag or within the air bag operation range. The company waives any liability of damage or death due to a car collision or air bag problem.
2.2 Installation Method

1. Install the device on the mounting clip, turn the fixing ring to attach device. Then attach the suction pad to the windshield. Adjust the knob on the left to adjust the tilting angle.

2. Plug the USB power cord into the charging inlet to complete the power supply.

3. Getting Started

3.1 Power Up
1. Plug the USB end of the car adaptor to the device-charging inlet, and plug the other end into the cigarette lighter.
2. Insert the MicroSD card into the memory card slot.
3. When the car starts up it will automatically power on the device. Or you can press and hold the power button for 2 seconds to manually power it on.

3.2 Power Up for the First Time
Set up the Language and Date/Time settings.

3.3 Recording Mode
After powered on, in the upper-left corner there will be a flashing red “REC” label, indicating the device is in recording mode.

3.4 Power Off
1. In Power On mode, press and hold the power button for 2 seconds. This will shut down the device (if motion detection function is activated, press and hold the power button for 2 seconds. This will enter the device into the motion detection mode, press it again and it will power it off).
2. When the car is powered off, it will automatically shut down the device. Unless you have hardwired the device to a power source, like your car’s battery.
3. Only remove the SD card after the device is completely powered off, to prevent damaging the file.

3.5 LED Indicator

<table>
<thead>
<tr>
<th>LED indicator operation with power source</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power on</td>
<td>Power off</td>
</tr>
<tr>
<td>Blue light</td>
<td>Blue light flashing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LED indicator operation without power source during power on/off process</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power on</td>
<td>Power off</td>
</tr>
<tr>
<td>Blue light</td>
<td>No operation</td>
</tr>
</tbody>
</table>

3.6 Button Function Description

<table>
<thead>
<tr>
<th>Button</th>
<th>Name</th>
<th>Functional Description</th>
</tr>
</thead>
</table>
| ![Mode button] | Mode button | Recording Mode – Enter Photo Shooting Mode  
Photo Shooting Mode – Enter Recording Mode  
Menu Mode – Switch Menu Page  
Play List – Switch Folder  
Play Back Mode – No Function |
| ![Menu button] | Menu button | Recording Mode – Enter into directory  
Photo Shooting Mode – Enter into directory  
Menu Mode – Return to the previous menu  
Play List – Enter into directory  
Play Back Mode – Enter into directory |
| ![Play button] | Play button | Recording Mode – Enter into playback list  
Photo Shooting Mode – Enter into playback list  
Menu Mode – Enter into playback list  
Play List – Return to the previous menu  
Play Back Mode – Return to the previous menu |
### 3.7 Recording Screen Format Description

1. **REC** In video recording
2. Audio recording is deactivated
3. 1080P 30 frames / second  
   - 720P 60 frames / second  
   - 720P 30 frames / second
4. Turn on the light reminding warning icon
5. Speed limit sign function activated icon
6. The car in front is moving function activated icon
7. Fatigue driving reminding function activated icon
8. Power status
9. Recording screen
10. The date, time, and device model embedded on the recording
11. The date, time, and device model displayed on the screen
4. Menu Settings Description

4.1 General Settings
1. Time settings: Set up the date and time.
2. Sound Effect: Set up audio recording on/off.
3. LCD Off: Set up the screen in off or hibernate mode (While the screen is off or in hibernate mode, recording will be continued).
4. Shutdown Delay: Set up the time it will take for the unit to power off.
6. Default Setting: Reset to factory default settings.
7. Format SD Card: Format the MicroSD memory card.

4.2 Recording Settings
1. Resolution: Set up the resolution preference.
2. Clip Time: Set up the video clip length for the recording.
3. Sound Record: Turn the audio recording on or off.
4. Mic Sensitivity: Set up the voice recording quality to standard or low.
5. Date Stamp: Set up whether or not the date and time information is embedded into the video recording.
6. Vibration Detection: Set up the sensitivity for collision detection or turn the function off.
7. Motion Detection: When activated this function works while the car is powered off or press and hold the power button for 2 seconds at any time and the device will enter into motion detection mode. The screen will remain still for about 10 seconds and then the screen will go into hibernation (turns off). The device will automatically get reactivated into recording mode once motion is detected.

4.3 Playback Settings
1. Playback Volume: Set up the playback volume.
2. Delete File: Delete the recorded video clips one at a time or all of them.
3. Protect: Protect a certain file or unprotect one or all files.

4.4 Driving Safety Settings
1. Stop and Go: When activated, after the car is stopped for 10 seconds the device will start to detect when the car in front has proceeded to go. When the car in front is driving away, it will give an audio alert to remind you to begin driving.
2. Remind Light: When activated, if driving in a dark environment (such as tunnel or parking structure), it will have an audio alert and display the light alert icon on the screen. The alert can be turned on/off.
3. Driver Fatigue Alarm: When activated, the user can setup a defined alarm clock, periodically reminding you to take a rest before continuing to drive. Available options are: 30 minutes/1 hour/2 hours/off.

※ After the car is powered off and parked, the motion detection power supply will come from the built-in internal battery. If using the function for long periods of time, it is required to connect to an external power source. For the external power source, press and hold the power off button for 2 seconds and you can enter the motion detection mode.
8. Frequency Settings: Based on the actual situation setup the frequency to 50Hz or 60Hz.
5. Specifications

<table>
<thead>
<tr>
<th>Image Sensor Component</th>
<th>200 million pixels CMOS Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lens</td>
<td>140 degree ultra wide angle camera lens</td>
</tr>
<tr>
<td>Screen</td>
<td>2.4 TFT-LCD</td>
</tr>
<tr>
<td>Video Format</td>
<td>AVI / H.264</td>
</tr>
<tr>
<td>Dimension</td>
<td>55 x 79 x 17 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>About 60 g</td>
</tr>
<tr>
<td>Collision Detection</td>
<td>X-Y-Z 3 axles G-Sensory detection</td>
</tr>
<tr>
<td>Battery</td>
<td>420mAh Li-polymer battery</td>
</tr>
<tr>
<td>Memory Card</td>
<td>Recommend to use 8GB Class 10 and above memory card</td>
</tr>
</tbody>
</table>

6. Precautions

6.1 Usage Related Issues
1. If the car will continue to supply power to the cigarette lighter even after the car is powered off, the user must manually power off the device or unplug the cigarette lighter plug, to avoid draining out the battery or causing any other accidents.
2. If the car loses power, power off, or any other situation, which may cut off the car power source, the internal battery will save the recorded video footage.
3. During the shutdown process, please do not remove the memory card to avoid damage to the video recordings.
4. The motion detection function works only with a power source. If there is no power supply, the function is not available.
5. During the summer, under extreme sunlight exposure, the inner temperature of the car can rise up to 80 degree C. It is recommended to take down the device after parking the car to avoid damaging the device.
6. During the system upgrading process, please do not power off, otherwise, it might cause a situation where it will be unable to boot up.
7. Emergency recording might take up to 20% of temporary buffer storage capacity. Whenever the emergency recording is activated the system will automatically write into this buffer storage. When the buffer storage is full, the system will overwrite the first emergency recording file. It is recommended that the user backup the emergency recording video clips, just in case.

6.2 Charging Related Issues
1. Please use the supplied original charging cable. The company waives any liability for the damage caused by other charging cables.
2. Please do not dismantle the device and charging cable.
3. If you cut the charging cable and connect to the car power source, any damage caused to the car or charging cable in the installation process is not covered by the warranty.

6.3 MicroSD Memory Card Related Issues
1. Class10 and 8GB and above MicroSD memory card is recommended (Maximum support up to 32GB).
2. For the first time initial use of MicroSD memory card, it is recommended to format the MicroSD card on the device to ensure the read/write stability. After long periods of usage, we recommend that MicroSD card periodically get formatted to ensure the recording quality.
3. The MicroSD memory card capacity recording time is described in the following table (reference only).

<table>
<thead>
<tr>
<th>MicroSD Memory Card Capacity</th>
<th>8 GB</th>
<th>16 GB</th>
<th>32 GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1080P 30FPS</td>
<td>80 min</td>
<td>160 min</td>
<td>320 min</td>
</tr>
<tr>
<td>720P 60FPS</td>
<td>80 min</td>
<td>160 min</td>
<td>320 min</td>
</tr>
<tr>
<td>720P 30FPS</td>
<td>160 min</td>
<td>320 min</td>
<td>640 min</td>
</tr>
</tbody>
</table>

※The product functionality could vary depending on selling region, please base it on the actual device (emergency recording capacity excluded)