CarDVR-210 WiFi GPS

User Manual
Names of Parts

- LCD Panel
- Status Indicator
- Tripod Mount
- Lens
- Micro HDMI Port
- Speaker
- Emergency Button
- Power/Menu Button
- Record Button
- Micro USB Port
- Micro SD Card Slot
- Mic
- GPS Receiver Slot
- Status Indicator
- LCD Panel
- Power/Menu Button
- Record Button
- Emergency Button
Getting Started

Inserting a microSD Card
Before initial use, insert a microSD card. (suggested at least 4GB, up to 64GB)

Charging the Unit
Fully charge Rollei Car-DVR for initial use by:
• Car charger
• PC USB port
• USB adapter (not included)
During charging, screen shows battery icon or status indicator flashes in orange. When Rollei Car-DVR is fully charged, the indicator turns off.

Shooting a Video
1. Power on:
   Press ‡ to turn on Rollei Car-DVR.
2. Record:
   Press ‡ to start recording.
   Press again to stop.
3. Playback:
   Press ‡ to enter menu settings.
   Press ‡ to select [Playback].
   Press [Play] to play the video and press [ ] to stop.
4. Return to preview:
   Press [ ] to return.
5. Power off:
   Press and hold ‡ for 2 seconds.
## Rollei Car-DVR Operation

In preview, press 🎬 to enter menu settings. Button functions indicated by 🎬. Use 🎬 to navigate menu settings and 🎬 to back to preview.

## Menu Settings

Rollei Car-DVR has eight menu settings. Advanced settings can be set up via mobile APP.

<table>
<thead>
<tr>
<th>Menu Settings</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>🎬 Playback</td>
<td>Play recorded videos</td>
</tr>
<tr>
<td>🎬 Action Cam</td>
<td>Switch between Action Cam and Dash Cam</td>
</tr>
<tr>
<td>🎬 Dash Cam</td>
<td></td>
</tr>
<tr>
<td>📠 WiFi - Local</td>
<td>Enable/Disable WiFi for wireless connection</td>
</tr>
<tr>
<td>📠 WiFi - Cloud</td>
<td>Enable/Disable internet cloud connection</td>
</tr>
<tr>
<td>📠 Voice Record</td>
<td>Enable/Disable voice recording (Dash cam mode only)</td>
</tr>
<tr>
<td>📠 Auto Record</td>
<td>Enable/Disable auto recording when car engine starts (Dash cam mode only)</td>
</tr>
<tr>
<td>📠 Screen Auto Off</td>
<td>Screen turns off after 60 seconds of non-operation (Dash cam mode only)</td>
</tr>
<tr>
<td>🌍 Settings</td>
<td>Reset to factory default settings or format SD card.</td>
</tr>
</tbody>
</table>

Note: After 10 seconds of non-operation in menu settings, screen returns to preview.
Record Modes

Rollei Car-DVR has two recording modes for different applications:

- **Action Cam**: Shoot normal videos.
- **Dash Cam**: Shoot loop and emergency videos.

Comparison between modes:

<table>
<thead>
<tr>
<th>Mode</th>
<th>Action Cam</th>
<th>Dash Cam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Record type</td>
<td>Normal</td>
<td>Loop</td>
</tr>
<tr>
<td>Record trigger</td>
<td>Press 🎥 in preview</td>
<td>• Car impact</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Press ! during loop recording</td>
</tr>
<tr>
<td>Record duration</td>
<td>Unlimited</td>
<td>Three min. sections</td>
</tr>
<tr>
<td>Display info.</td>
<td>00:06:36</td>
<td>2014/01/01 21:06:36</td>
</tr>
<tr>
<td></td>
<td>SD card remaining time</td>
<td>2014/01/01 21:06:36</td>
</tr>
</tbody>
</table>

Note:
1. During loop recording, oldest files are overwitten if microSD card is full.
2. During loop recording, press 🎥 to enable/disable mute fuction.

Transfer Files to PC:
1. Connect Rollei Car-DVR to PC via Micro USB cable.
2. Find video at "My computer\Removable Disk\".
3. Copy, move, delete, and playback videos on PC.

View Rollei Car-DVR Screen on TV:
1. Connect Rollei Car-DVR to TV via Micro HDMI cable (not included).
2. Turn on Rollei Car-DVR.
3. Rollei Car-DVR screen displays on TV simultaneously.
Wireless & APP Operation

Before initial using wireless connections, download and install APP [Rollei Car-DVR] from Google Play Store and Apple Store. [Rollei Car-DVR] has two functions:
(1) Local - Direct control
(2) Internet - Internet live view

(1) Local
Mobile connects to Rollei Car-DVR directly via WiFi for remote control, live view, album management and Rollei Car-DVR setup.

(2) Internet
Mobile connects to cloud server to view live videos uploaded from internet remote Rollei Car-DVR.
【Local】Function

Before using mobile APP's【Local】function, ensure Rollei Car-DVR WiFi is on and Rollei Car-DVR Cloud setting is off. Once WiFi is ready, preview shows Rollei Car-DVR name (R2-xxxxxx) for few seconds.

**Mobile Connects to Rollei Car-DVR**

1. For Android: Turn on [Wi-Fi].
   
   For iOS: Go to [Settings] ➔ [Wi-Fi].
   
   Turn on [Wi-Fi] and select the Rollei Car-DVR name.

2. Run [Rollei Car-DVR].

3. Tap 【Local】 and select the Rollei Car-DVR to enter 【Local】 View Page. Tap [🔍] to scan again if Rollei Car-DVR is not found.

Note:

• Mobile cannot connect to Rollei Car-DVR while Rollei Car-DVR is recording.

• For first use, password is not required. User can set Rollei Car-DVR password in Setup Page.
4. 【Local】 function has three function pages: View, Album and Setup.

**View Page**

<table>
<thead>
<tr>
<th>Items</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Shoot videos and files are saved into Rollei Car-DVR microSD card</td>
</tr>
<tr>
<td></td>
<td>Shoot videos or Take photos and files are saved into mobile &quot;Album\RolleiCar-DVR&quot;</td>
</tr>
</tbody>
</table>
| | For multiple Rollei Car-DVRs user:  
  • Enable Quad-View for multiple live view on mobile  
  • In Quad-View, select a window for single view. |
| | Upside down image |
| | Talk to Rollei Car-DVR from mobile |

**Album Page**

<table>
<thead>
<tr>
<th>Folders</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>View or delete video files recorded in action cam mode</td>
</tr>
<tr>
<td></td>
<td>View or delete video files recorded in dash cam mode</td>
</tr>
</tbody>
</table>

**Setup Page**

<table>
<thead>
<tr>
<th>Groups</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camcorder Settings</td>
<td>Edit name, password, format SD card, resolution etc.</td>
</tr>
<tr>
<td>Internet Settings</td>
<td>Edit Email and AP and save in Rollei Car-DVR. (For internet cloud server connection)</td>
</tr>
<tr>
<td>Car DVR Settings</td>
<td>Set motion detector, impact sensor, etc.</td>
</tr>
</tbody>
</table>

Note: 1. In Setup Page, tap [Save] to complete settings to Rollei Car-DVR.  
2. Mobile media player may not support SuperHD video.
Rollei Car-DVR SD Card Setup
When SD card is first-time use or reformatted in Rollei Car-DVR, user should allocate memory for Portable Mode and Car Mode.

Go to [Setup] ➔ [Rollei Car-DVR Settings] ➔ Adjust slide bar and press [Format] button to complete SD card setup.

Rollei Car-DVR Internet Setup
Before using internet cloud service, Email and AP must be properly set up.

1. Go to [Setup] ➔ [Internet Settings] ➔ Edit Email and AP
2. Tap [Save] to complete Email & AP settings.

Note: AP (Access Point) can be
• Wireless Router or
• 3G/4G Mobile Wireless Router or
• 3G/4G Mobile Hotspot
Motion Detector Setup

When car's engine stops and motion is detected, Rollei Car-DVR will automatically records videos till no motion is detected.

1. Go to APP ➔ [Setup] ➔ [Car DVR Settings]
   ➔ Turn on [Motion Detector] ➔ Tap [Save].

2. Press [Home] to disconnect from Rollei Car-DVR.

3. Change Rollei Car-DVR to dash cam mode, 📹 will show on screen.

4. When car engine stops
   ➔ [Motion Detector?] will pop up
   ➔ Press ✔️ to manually activate [Motion Detector], otherwise [Motion Detector] will automatically activate after 10 seconds
   ➔ Choose ✗ to cancel [Motion Detector] for this time

G-Sensor Setup

When Rollei Car-DVR is recording and any impacts happen, Rollei Car-DVR automatically records emergency events if G-Sensor is set.

Go to APP ➔ [Setup] ➔ [Car DVR Settings]
 ➔ Select [G-Sensor], [H]/[L] ➔ Tap [Save].

Note: [H] High sensitivity. [L] Low sensitivity.
【Internet】 Function

Before using APP's【Internet】 function, ensure Rollei Car-DVR internet setup has been completed.

Rollei Car-DVR Connects to Cloud Server

Enable [Cloud ] in Rollei Car-DVR to upload video streaming to cloud server. Connecting status will be shown on screen.

<table>
<thead>
<tr>
<th>Status</th>
<th>Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Connection successful" /></td>
<td>Connection successful. Preview shows [ ] and Rollei Car-DVR ID.</td>
</tr>
</tbody>
</table>
| ![Login fail](image) | Login fail:  
  - Invalid AP name or password  
  - Weak WiFi signal or not in WiFi coverage |
| ![Connection fail](image) | Connection fail:  
  - No internet or cloud server is not accessible  
  - Blocked by some firewall |

Remote Internet Live View

1. Connect mobile to internet (via WiFi, 3G/4G).
2. Run [Rollei Car-DVR] and tap 【Internet】.
3. For adding Rollei Car-DVR or using another mobile, tap [ ] ➔ Enter the Rollei Car-DVR ID and password.
4. Tap Rollei Car-DVR ID/name to view internet live videos.
## Troubleshooting

<table>
<thead>
<tr>
<th>Situation</th>
<th>Cause/Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rollei Car-DVR cannot turn on</td>
<td>Power is low. Recharge battery</td>
</tr>
<tr>
<td>Rollei Car-DVR is frozen</td>
<td>Press and hold button for 5 seconds to force shutdown; press again to turn on</td>
</tr>
</tbody>
</table>
| Rollei Car-DVR cannot record          | • No microSD card or microSD card is full  
                                          • microSD card cannot be recognized  
                                          • Format microSD card or replace microSD card                                 |
| Rollei Car-DVR cannot connect to AP   | • Invalid AP name or password  
                                          • Weak WiFi signal or not in WiFi coverage  
                                          • No internet or cloud server is not accessible  
                                          • Blocked by some firewall                                                   |
| or could server                       |                                                                                   |
| Mobile cannot find Rollei Car-DVR     | • Rollei Car-DVR WiFi is disabled or not in WiFi coverage  
                                          • Mobile WiFi is disabled  
                                          • iOS user does not choose Rollei Car-DVR name in Wi-Fi Settings  
                                          • Tap [Refresh] button on [Rollei Car-DVR]                                  |
| 【Local】                               |                                                                                   |
| Mobile cannot watch live view         | • Weak WiFi signal  
                                          • Rollei Car-DVR is recording  
                                          • Rollei Car-DVR is occupied by other mobile                                  |
| 【Local】                               |                                                                                   |
| Mobile cannot connect to cloud server | Check mobile 3G/4G or WiFi internet connection                                    |
| 【Internet】                            |                                                                                   |
| Mobile cannot watch live view         | The internet bandwidth is insufficient for Rollei Car-DVR upload or mobile download|
| 【Internet】                            |                                                                                   |
| Forget Rollei Car-DVR password        | Enter Rollei Car-DVR menu settings and select [Settings]→[Factory Reset] to reset |
GPS Receiver

1. Hardware operation
   Insert GPS receiver into your device.

2. Install Software to Computer
   1. Connect camcorder to PC via standard Micro USB cable. Note: The USB cable in accessory kit is only for power supply in car. Please use other Micro USB cable for installation (ex. Android smart phone's usb cable).
   2. Find Setup.exe in "My computer\Removable Disk\DCIM".
   3. Double click Setup.exe to install/

3. Software operation
   1. Take out the SD card from your device, and put it into the card reader of your computer.
   2. Click “Unieye Map ” and run it on your computer.
   3. An active Internet connection is required to use Google Maps View.

Unieye Map Operation

1. Google Maps View
   • The Start A and End B location of the video will be marked on the map.
• Press to select your SD card.
  (Unieye Map only can read the video files in SD card)
• Press to forward/play/stop/backward your video.
• Press to adjust the volume of your video.

2. Speed Meter
• Show the speed information from the records of the video.
• Press KPH to switch the scales of meter in Kilometer per hour.
• Press MPH to switch the scales of meter in Mile per hour.

3. Compass
• Show the moving direction from the records of the video.

4. Calendar
• Press : move to next month.
• Press : move to previous month.
• Press the date in the calendar, the taken videos show dates information in the 24 hours meter.
• Click on color lines to view the video.
5. PIP Mode
• In Windows mode, press to change view to Full Screen mode.
• The default view of Full Screen mode: video in parent window, map in child window.
• In Full Screen mode, press to switch view back to Windows mode.

6. PIP Switch
• Press to switch map in parent window, video in child window.
• Press again to switch back.
Conformity
The Manufacturer hereby declares that the CE marking was applied to the Rollei CarDVR 210 in accordance with the basic requirements and other relevant provisions of the following CE Directives:

2011/65/EC RoHs Directive
2004/108/EC Low Voltage Directive
1999/5/EG R&TTE Directive
2006/95/EEC LVD Directive
2009/125/EG EuP Directive
2002/96/EG WEEE Directive

The EC Declaration of Conformity can be requested from the address specified on the Warranty card.
License Statement

The software used in this product is licensed subject to a license pursuant to the GNU – General Public License conditions. We expressly draw attention to the fact that under the GNU – General Public License conditions no liability is accepted.

The starting point for the software is the software published online at http://sg-gpl.net/

The software listed there is licensed pursuant to the GNU – General Public License conditions.

Device-related changes have been made to this software for the product in question. The source text of the software implemented in the product in question can be obtained in response to an enquiry sent to the e-mail address info@rollei.com

In this instance your e-mail must contain details of what the relevant product is, the relevant serial number and documentary evidence of your commercial source of supply as well as documentary evidence of the date on which the product was purchased from the trade source of supply. We guarantee supply of the source text of the implemented software for a period of at least three years from date of purchase from the trade source of supply where the trade source of supply has sourced the product from us directly or via strictly trade-only dealers.