






# Drive Recorder: RC300

## Quick Start Guide RC300 Dash Recorder


### Button layout and functions




-  **UP:**  
Select/Video File Lock/Zoom In
-  **OK/Back:**  
Video/Camera/Album
-  **Down:**  
Select/Video Mute/Zoom Out
-  **Power/Set:**  
On/Off/Menu

 **Up/Zoom In/File lock:**  
Press while in camera mode to zoom in.  
Tap to lock selected video file.

 **Down/Zoom Out/Video Mute:**  
Press while in camera mode to zoom out.  
Tap while in video mode to mute sound.

 **OK/Back:**  
Tap while in video mode to start recording.  
Tap while in camera mode to take a picture.  
Press and hold 2 seconds for a contextual menu in any device mode.

 **Power/Menu:**  
Press once to turn device on.  
With device on, tap to enter the menu.  
Press and hold 2 seconds to turn device off.

## Preface

### **About this manual**

Thank you for purchasing the ADATA RC300. In order to make sure you get the best usage out of your new ADATA product, we recommend you take the time to read this manual to become fully acquainted with all features and functions. In the event of any discrepancies between drive recorder data and this manual, drive recorder data should be taken as the prevailing version. ADATA reserves the right to amend this manual without prior notice. All rights reserved.

ADATA accepts no liability for device issues, whether software or hardware-related, stemming from misuse, data corruption or errors, battery replacement, or other

unforeseen personal circumstances that lead to damage. This manual should not be misconstrued as acceptance of liability, nor does it imply a means to completely avert device failure or issues outside of stated product warranty. ADATA is not liable for third party claims arising from the use of the device, irrespective of manual contents.

## **Installation notes**

- ◇ Product should be installed near the rear-view mirror of the vehicle for the best field of view
- ◇ Through the on-screen display, adjust the device to make sure the camera lens views the full width of the windshield and windshield wipers
- ◇ Avoid touching the lens with your fingers, as oily residue and fingerprints may cause image quality deterioration
- ◇ Clean the lens at regular intervals to maintain optimal performance

## **Warnings**

- ★ Only use authorized chargers by ADATA
- ★ Do not disassemble the device
- ★ Do not attempt to access the interior of the device

★ Exposing the battery to fire or extreme heat may cause an explosion

★ Always comply with local laws and regulations. The device is not meant as a replacement for lawful conduct. Do not use the device interface while operating a vehicle

### **General precautions**

- The device may be damaged if stored or operated in dusty environments
- Avoid exposing the device to extreme heat beyond its safe operating range. Heat may shorten product longevity and battery life, and may cause component deformation or even battery combustion
- Avoid exposing the device to extreme cold beyond its safe operating range. Exposure to extreme cold can

cause moisture to build up inside the device when it reaches operating temperature, which over time may cause device failure

- Do not attempt to open the device or repair it yourself. Doing so carries the risk of electric shock, which may lead to injury or even death
- Avoid exposing the device to shocks, falls, and drops, as these may damage components and lead to failure
- Do not use chemicals or detergents to clean the lens and the device overall. To clean the lens and device, only use a clean, soft cloth
- Should the device or accompanying accessories have any technical issues, take them only to official service provider for repairs

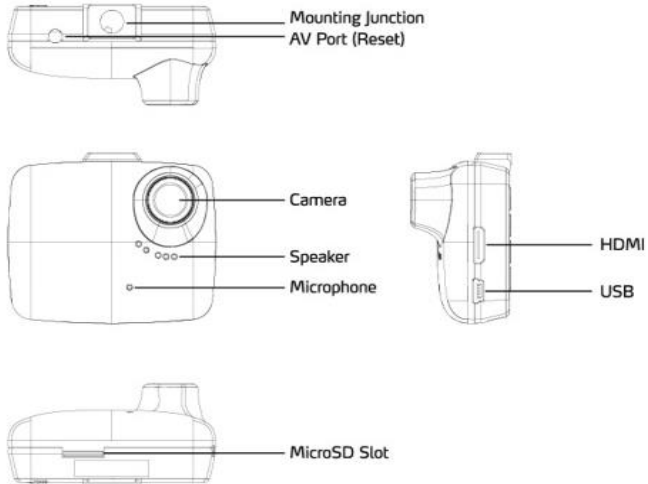
## Product features

- ◆ Wide angle photographic lens
- ◆ Full HD 1920 x 1080p display
- ◆ Up to 4032 x 3024 capture
- ◆ 4X digital zoom
- ◆ Unlimited focal length from 50cm and beyond
- ◆ 2" high resolution LCD with simultaneous video and still photo display
- ◆ SOS emergency file lock prevents content deletion
- ◆ G-Sensor tri-axial accelerometer automatically saves video should the vehicle experience a collision or any sudden, violent movements
- ◆ Robust data protection saves video in the event of power loss, device damage, or other disruptions
- ◆ Gapless continuous recording captures all information without pause

- ◆ Powered by standard 12V/24V in-car outlet, with auto record start when vehicle is turned on, and auto file save when the ignition is turned off
- ◆ HDMI output to compatible TVs and monitors, plus USB data read mode
- ◆ Smooth 30 frames per second
- ◆ Auto loop recording, with per-task configurable loop duration
- ◆ Time and date display does not need to be re-set after device reboot
- ◆ User friendly interface
- ◆ microSD storage up to 128GB



## Product layout and schematics



## Guide to icons









1. Make sure to identify and understand all indications before use














2. Indicator lights



Green - Battery Charging

Blue - Operating

Red - Standby

 Video Mode	 Image Quality
 Recording	 Battery
 Snapshot Mode	 ISO Value
 Album (Playback)	 WDR

 MicroSD card	 Loop Recording
 Microphone	 White Balance
 G Sensor	 Selfie Timer
 Anti-shake	 EV Value
 File Locked	 Video File
 "OK" Function in Album	'1080FHD' Resolution
 Up/Zoom In	 Down/Zoom

	Out
 OK	 Power/Menu

### 3. Menu options

#### **Settings**

1. Date/Time: 2013/01/01 - 12:00:00 – YY/MM/DD  
(hold the OK button for 2 seconds to complete setup)
2. Beep Sound: Off/On
3. Language: English/Simplified Chinese/Traditional Chinese/Russian/Japanese/French/Spanish/Portuguese/German/Italian
4. TV Mode: NTSC/PAL
5. Frequency: 50Hz/60Hz
6. Format: cancel/OK
7. Default Setting: cancel/OK
8. Screen Saver: Off/3 minutes/5 minutes/10 minutes

9. Version: displays system version number

**Video Menu** (in snapshot mode, tap the power button)

1. Resolution:

1080FHD (1920X1080)/720P (1280X720)/WVGA  
(848X480P)/VGA (640X480)

2. Loop Recording: off/1 minute/3 minutes/5 minutes

3. WDR: Off/On

4. Exposure:

+2.0 +5/3 +4/3 +1.0 +2/3 +1/3 +0.0 -1/3 -2/3 -1.0  
-4/3 -5/3 -2.0

5. Record Audio: Off/On

6. Date Stamp: Off/On

GSENSOR: Off/Low sensitivity/Middle  
sensitivity/ High sensitivity

**Snapshot Mode**

(Hold the OK button for 2 seconds, and then mode-selection menu pops up)

**Snapshot Menu** (in snapshot mode, tap the power button)

1. Capture Mode: Single/2S Timer/5S Timer/10S Timer
2. Resolution:  
12M 4032x3024/10M 3648x2736/8M 3264x2448/  
5M 2592x1944/3M 2048x1536/2MHD  
1920x1080/1.3M 1280x960/VGA 640x480
3. Sequence: Off/On
4. Quality: Fine/Normal/Economy
5. Sharpness: Strong/Normal/Soft
6. White balance:  
Auto/Daylight/Cloudy/Tungsten/Fluorescent
7. Color: Color/Black&White/Sepia
8. ISO: Auto/100/200/400

9. Exposure: +2.0 +1.7 +1.3 +1.0 +0.7 +0.3 +0.0 -0.3  
-0.7 -1.0 -1.3 -1.7 -2.0

10. Anti-Shaking: Off/On

11. Date Stamp: Off/Date/ Date/Time

### **Album Mode**

(Hold the OK button for 2 seconds, and then mode-selection menu pops up)

**Album Menu** (in snapshot mode, tap the power button)

1. Delete: current file/all files (press the power button to enter).

2. Protect: Lock current/Unlock current/Lock all/Unlock all.

3. Slide Show: Off/OK/8 seconds.

### **Operating Guide**

1. Battery charging

The device can be used with the provided charger or with any powered USB port, for example on your PC.

2. When connected to a 12V/24V in-car outlet:

Set the device to “1 minute/3 minutes/5 minutes” recording time to auto-start recording when the car engine is turned on. Recording stops automatically and content is saved when you turn the ignition off

Caution: the provided power supply converts 12V/24V in-car output to 5V input to the device. Using other chargers or any input greater than 5V to the device may cause the drive recorder to fail due to burnout

3. Installing and removing memory cards


[1] Only insert memory cards in the direction indicated by the card manufacturer. Improper insertion may damage the device and the card.




[2] For best performance, use high-speed SDHC/SDXC cards with the CL6 or CL10 logos imprinted.

[3] The device can format incompatible memory cards so that they can be used. However, these cards may later be unreadable by other devices.

#### 4. Time and date settings

After turning on the device and booting, press  (power button) twice to enter the menu, then adjust the time and date using the up and down keys. Press OK to confirm your selection


#### 5. Language settings

After turning the device on and booting, press  (power button) twice to enter the menu, scroll through available languages with the up and down keys, then press OK to confirm your selection

## 6. Camera on/off


Hold the power button for 3 seconds to turn the camera on and off

## 7. Shooting modes

[1] Selecting a resolution: press  (power button) to enter the menu. Resolution is the first item.

Choose from 1080P FHD (1920x1080P)/720P (1280x720P)/WVGA (848x480P)/VGA (640x480P).

We recommend 1080P FHD.

[2] Press OK to begin recording, and press OK again to stop. When recording, the  icon will appear at the top of the device display.

## 8. Capture mode


[1] Camera supports up to 4034x3024 pixels

[2] Tap OK to take a photo



## 9. Playback mode


[1] Press OK to enter the menu and navigate to video playback. You can also long press OK anytime to enter photo mode, then long press OK again to enter playback mode.


[2] In file preview mode, use the down key to select a file, then press OK to play/pause video.

[3] While in playback mode, press  (power button) to enter the menu, then select delete, protect, or slideshow. Press OK to confirm your selection.

## 10. Protect/unprotect content

[1] Tap  (power button) to protect or unprotect highlighted files within the menu. Protected files have the  icon next to them. The protect status locks the file against deletion. To delete a file, you need to first change its status to unprotected.

[2] G-Sensor automatic shock protection: should the vehicle experience any sudden and severe shock or change in velocity or direction, G-Sensor technology auto-engages to save content against deletion. The  icon appears on the device display when this protection is engaged.

[3] Manual SOS emergency protection: while recording, press the OK button to engage SOS emergency protection. The  icon will appear on the display.

## 11. Loop recording

Select from off/1 minute/3 minutes/5 minutes

### 11.1 When choosing the off setting:

[1] Recording does not automatically activate when the device is powered on

[2] If device storage is full, the system will prompt you to manually delete content or format a new memory card. Until then, loop recording cannot be used and content in general cannot be saved.

11.2 When choosing the 1 minute/3 minutes/5 minutes settings.

[1] Recording automatically starts when the device is powered on.

[2] If device storage is full, loop recording overwrites unprotected/unlocked content and continues to work and cycle uninterrupted.

12. Record date stamp: select on/off

## Product specifications

<b>Camera sensor</b>	1/3" CMOS sensor
<b>Display</b>	2.0" LCD
<b>Controller</b>	Novatek full HD 1920x1080P
<b>Storage</b>	microSD (up to 128GB)
<b>Lens</b>	Japan-made A-Class Coated Glass
<b>Image formats and resolutions</b>	Formats: JPEG ( EXIF2.2 ) , DCF Resolutions: 12MP (4032x3024)/10MP (3648x2736)/8MP (3264x2448)/5MP (2592x1944)/3MP (2048x1536)/2MP (1920x1080)/1.3MP (1280x960)/ VGA(640x480)

<b>Video formats and resolutions</b>	Format: MOV(H.264) Resolutions: 1080FHD (1920X1080)/1080P(1440X1080)/720P(1280X720)/ WVGA(848X480)/VGA(640X480)/QVGA(320X240)
<b>Zoom</b>	Video: 4X digital zoom, 1280x720, 30 frames per second Image: 8X digital zoom (max)
<b>Audio</b>	Integrated microphone and speaker (AAC)
<b>Exposure</b>	-2.0EV to +2.0EV
<b>SOS mode</b>	Emergency video file locking
<b>Loop</b>	Off/1 minute/3 minutes/5 minutes

<b>recording</b>	
<b>USB</b>	USB 2.0 port
<b>Video output</b>	AV out : NTSC/PAL HD TV out: HDMI out, full HD 1920x1080 50 frames per second or 1920x1080 60 frames per second
<b>Power supply</b>	Internal 300mAh high temperature range rechargeable lithium battery Input: 5V, 1A
<b>Operating temperatures</b>	-20°C to 70°C
<b>Dimensions</b>	Please refer to packaging
<b>Weight</b>	Please refer to packaging



## **Troubleshooting**

Please refer to this section for resolving several basic technical issues that may be encountered during normal operation

©Photos/images cannot be taken

Make sure there is enough free storage and check for protected/locked files

©Does video automatically stop at some point while recording?

Storage space may not be sufficient. Due to the large file size of high definition video, we recommend SDHC/SDXC high speed and large capacity memory cards, class 6 or higher

©When playing recorded video or viewing stored images, a file error prompt appears

This may be due to a file error. If rebooting does not resolve this, the storage card needs to be reformatted

©No image when outputting to a high definition TV or monitor

Check that all cables are properly connected and secured, and that the TV is set to the correct source (AV, HDMI, etc.)

©Images appear blurry or hazy

Make sure the lens is clean- wipe it with a soft cloth. Also make sure the windshield is clean inside out

©Images have vertical and/or horizontal interference lines

This is caused by selecting an incorrect refresh rate.

Adjust the device to 50Hz (frames per second) or 60Hz (frames per second)

©After connecting the device to the car charger, recording does not automatically start

This function is only available with loop recording enabled in settings, so double check that the feature is not set to off

©If the device simply stops working, is there something I can do?

Before contacting an authorized service center, try factory resetting the device using the hard reset button (requires a pin or pen tip to access)

## Package contents

 <p>ADATA RC300</p>	 <p>ADATA 16GB Free Premier UHS-I 16GB CL10 MLC microSD card</p>
 <p>Car Adapter</p>	 <p>Mounting Bracket (adhesive mount)</p>
<p>Quick Start Guide</p>	 <p>Cable (3m)</p>

For illustration purposes only – actual items may differ in appearance

Quality and service guaranteed

**Made In Taiwan**