Haloview

User Manual

MC10 / RD10

10" FHD 1080P WIRELESS DVR MONITOR

Please read all instructions carefully before using, and keep the manual for future reference.

Contents

1 Precautions

● **Storage and Keeping**

1. Do not expose the monitor to excessive heat or cold. The storage temperature of this device is -20~+60℃, and the operating temperature is -10~+50 ℃. The humidity is RH90% under.
2. Never use this device near a bathtub, wash basin, kitchen, damp basement, swimming pool or similar places.
3. Never use this device in environments with excessive moisture, dust or smoke.
4. Avoid dropping or striking this device.
5. Avoid using this device in enclosed spaces, areas with excessive vibration or subject to severe impacts.
6. Never puncture, scratch or use abrasive cleaning materials on this device.
7. Do not place cables where they may be pinched or stepped on.
8. Leave at least a 2" space between the monitor and walls, cabinets or other objects to allow adequate air circulation around the device.
9. The monitor is not designed to be waterproof.

● **Operating Precautions**

1. The device may be powered by a 12 or 24 volt automotive battery or vehicle electrical system.
2. Make sure all cables are connected properly. Observe polarity. Improper cable connections may damage the monitor. Remove the power cable connections when you do not intend to use the unit.

⚠ **Warning**

1. High voltage is present within the monitor. The opening of the case should be by professionals.
2. Do not watch the video while driving unless you are monitoring the rear view camera display.

⚠ **Special Notice**

Occasionally, a few highlights or dark spots may occur on the LCD screen. This is a very common phenomenon in active matrix display technology, and doesn't necessarily indicate any defects or faults. Never try to repair this device by yourself. In case of any problems, please turn off the display at once and notify our company or authorized dealer. The monitor is a complex device. Any disassembly or modification may lead to damage and void the warrantee.

● **Maintenance**

1. Remove all the cable connections from the monitor before cleaning the device.
2. Use a mild household detergent and clean the unit with a slightly damp, soft cloth.
3. Never use strong solvents such as thinner or benzine, as they might damage the finish of the device.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL**

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This symbol is intended to alert the user not to dispose of electrical and electronic equipment.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual couldvoid your warrantee and neccessitate expensive repairs.

● Declaration of conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
la FCC (Comisión Federal de Comunicaciones). El funcionamien to está sujeto a dos condiciones:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

❷ Product Features

1. 10 inch high resolution monitor.
2. Wide Angle Camera.
3. Adjustable parking line.
4. Support 1080P/720P recording and capturing.
5. Auto turn on and auto recording when vehicle start.
6. Loop recording, recorded period settable.
7. Auto-save recorded videos when emergency power off.
8. Max 128GB TF card supported.
9. Compatible with Haloview wireless rear view camera, or wireless tx-box.
10. Support mirror/flip, suitable for all application.
11. One button turn off screen.
12. Full touch Screen.
13. Auto-dim, auto adjust brightness according to surrounding environment.
14. 8 languages supported.
15. Support split display/full screen/pip.

❸ Technical Specifications

LCD size	10"
Resolution	1280 x 3 (RGB) x 320
Brightness	800 cd/m²
Camera sensor	SONY sensor
Camera Resolution	1920*1080
Audio	Built-in MIC
Loudspeaker	0.8W/8Ω
Mov Format	Selectalbe Resolution 1920x1080 / 1280x720
Operating Frequency	2400 - 2483.5 MHz
Receiving Sensitivity	-89 dBm
Decompression Form	MPEG4
Modulation	2.4G FSK/GFSK
Wireless camera time delay	200ms
Transmitting Distance (line in sight)	984ft(300m)
Built-in Battery	75mAh Rechargeable lithium polymer
Micro-SD /TF Card	Max. 128G
Power Supply	DC10-32V
Power Consumption	Max. 9W
Operating temperature	-10 ~ +50ºC,RH90%
Storage temperature	-20 ~ +60ºC,RH90%

⚠ Special Notice
All specification are subject to change without notice.

Bandage X1	Cigarette lighter X1	User manual X1
Bracket adapter X1	Micro SD Card X1	Prewire bracket X1
The following accessories are only RD10		
12m(39ft) Cable X1	Wire fixture X12	DC10-32V Power Cable X1

⚠ **Special Notice**
Accessories supplied in kit may be different for each application.

1	USB port	**2**	Light sensor	**3**	TF slot
4	Antenna	**5**	Speaker	**6**	Power button
7	Camera	**8**	HD monitor		

Power Button Function:
Press power button to turn off display,
touch screen to turn on the monitor.

If it is set RD10, there are products:

Signal indicator

Power indicator

3M double-sided tape
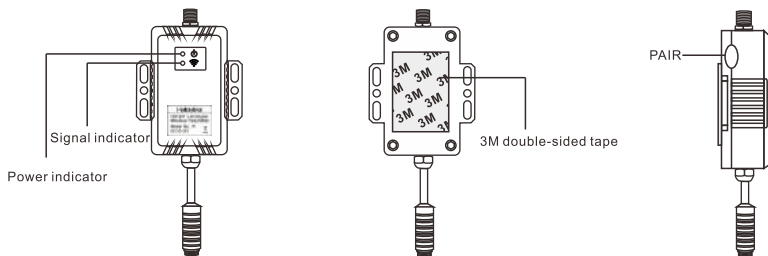
PAIR

This indicator appears under three status:
1. The TX box is powered on without pairing.
2. The paired monitor is switching camera channel.
3. The paired monitor standby.

1. Press pairing button, 📶 indicator will light on, searching pairing camera for 20 seconds. If no camera available, indicator light will turn off.

2. Under pairing status, 📶 indicator light will normally light on instead of blinking if the camera is disconnected.

3. After pairing, 📶 indicator will blinking while transmitting picture.

❻ Wiring Instruction

Power the monitor via DC cigarette lighter

TX-BOX Connection 1

12m Cable

DC10-32V
Power
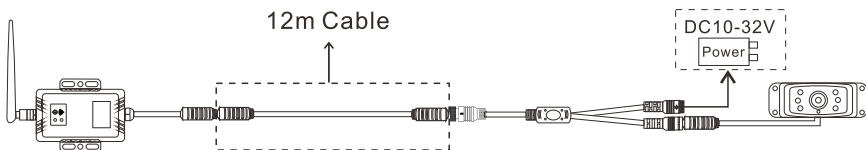
TX-BOX Connection 2

DC10-32V

Power

12m Cable
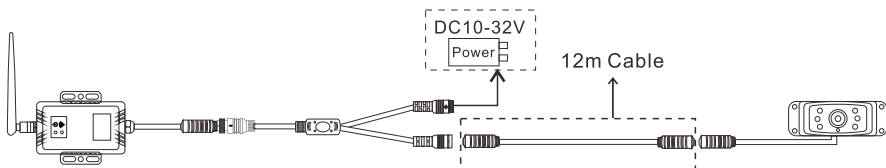
Suggested Wiring Diagram for the Monitor
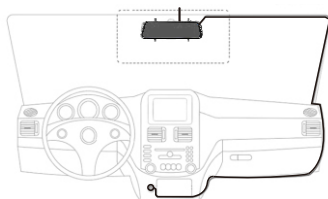
Suggested Wiring Diagram for the Camera

⑦ Menu

1. Menu Operation
Slide up or down to pop-up menu

CAM1   CAM2

CAM1   CAM2

PAL NTSC   CAP   ●   PAIR   ⚙
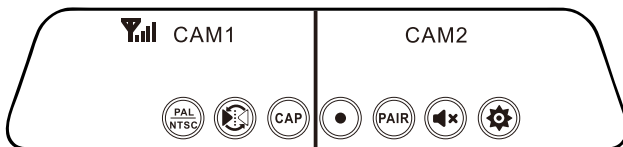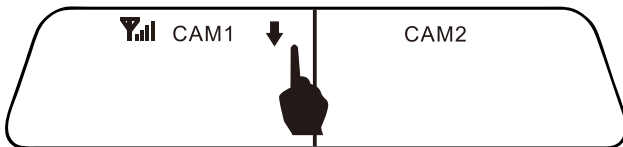
2. PAIRING

Camera and monitor are paired at the channel of CAM1 as factory default setting.
When you open the box, power on the monitor and camera, the image will be displayed.
Otherwise, please try below methods for pairing.
Please finish pairing before installtion.

1) Press PAIR button to enter PAIRING status,
you will have 20 seconds for pairing.

CAM1   CAM2

please press pair key
on camera side
20
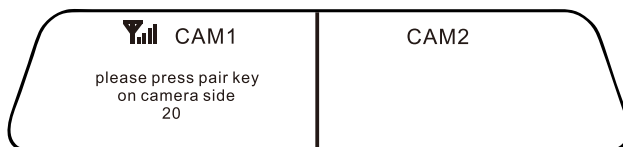
2) Camera Pairing

Method 1：Press the pairing button on the back of the camera.

Method 2：Power off the camera and power on it again.

PAIR

3) TX-BOX Pairing
   Method 1: Press the pairing button next to the TX-BOX
   Method 2: Power off the TX-BOX and power on it again

PAIR

4) Picture will be displayed after pairing complete.

<div style="border:1px solid">

⚠ Special Notice

If no picture displayed after pairing, please retry pairing steps and power-on again the camera. The pairing must be completed within 20 seconds, otherwise it will enter low power state, then the pairing button won't work. If so pls re-power the camera for pairing.

</div>

## Tips: Please finish pairing before installation.

3. Quick button

PAL NTSC PAL/NTSC	Set video format of the camera. Please refer to below table.
MIRROR	● Press MIRROR button to switch the image direction of CAM 1 MIRROR/NORMAL/FLIP/MIRROR FLIP. ● If the monitor connect the box,press MIRROR buttom to swich the image direction of CAM1 MIRROR/NORMAL.
CAP CAPTURE	Press capture button to snap current image of CAM1 and CAM2
● RECORD	Press record button to record current videos of CAM1 and CAM2
⚙ SETTING	Press menu setting button to enter more settings
◀× MUTE	Press the mute button to mute the real-time audio and video audio.

| Video Format	Country
PAL	Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, China, Cyprus, Czechoslovakia, Denmark, Dubai, Egypt, Finland, France, Germany, Gibraltar, Greece, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Jordan , Kuwait, Luxembourg, Malaysia, Netherlands, New Zealand, Norway, Sultanate of Oman, Poland, Portugal, San Marino, Saudi Arabia, Singapore, Spain, Sweden, Switzerland, Turkey, United Kingdom,
NTSC	Bolivia, Canada, Chile, Colombia, Costa Rica, Ecuador, Japan, South Korea, Mexico, United States

Slide left or right to switch CAM1->CAM2->split mode
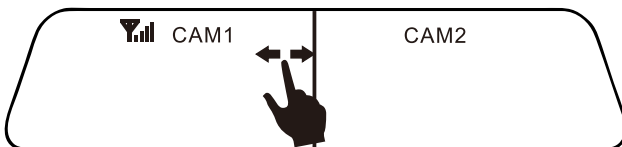
CAM1   CAM2

Under split mode, click CAM1 to get full screen of CAM1,
click CAM2 to get full screen of CAM2

CAM1   CAM2
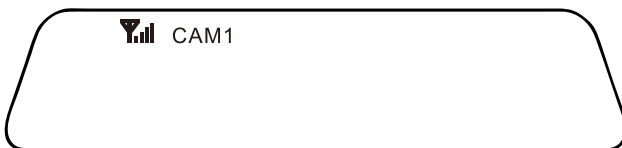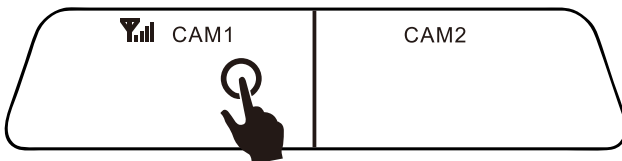
CAM1

Click again to return split mode

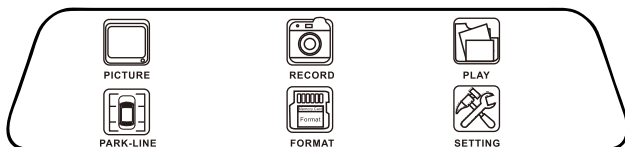CAM1

CAM1   CAM2
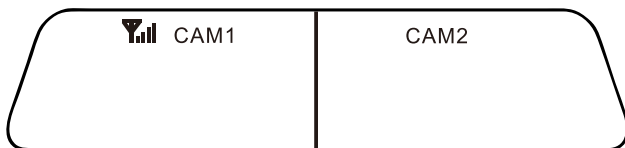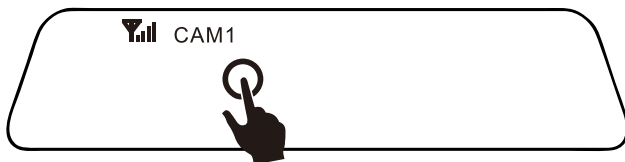
CAM1 is the channel for rear view camera. It is suggested to adjust the visual angle of the camera under full screen of CAM1. You can easily change the visual angle by sliding up or down in the gray areas.
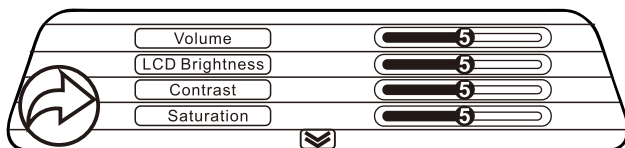

CAM1
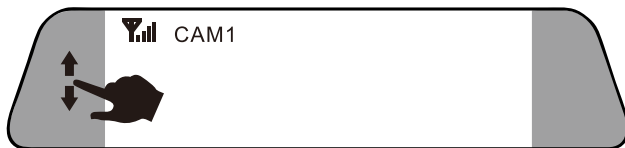
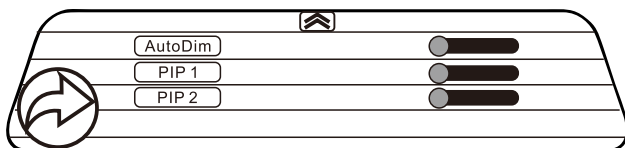## 4. Menu setting

Press ⚙ menu setting button enter menu.

PICTURE   RECORD   PLAY

PARK-LINE   FORMAT   SETTING

1) PICTURE

| Volume	Adjust Volume
LCD Brightness	Adjust the brightness of monitor
Contrast	Adjust the contrast of monitor
Saturation	Adjust the saturation of monitor

Slide downward to next page

Auto Dim	Notice: When Auto Dim is ON, monitor will automatically decrease brightness in low light to protect your eyes.
PIP1	When PIP1 turned ON, slide left/right to switch to pip1 channel.
PIP2	When PIP2 turned ON, slide left/right to switch to pip2 channel.

Press return to previous menu

2) RECORD

Movie Mode	FHD 1080P ●
Movie Quality	Fine ●
Movie Clip Time	5min ●
Still Image Size	2M ●
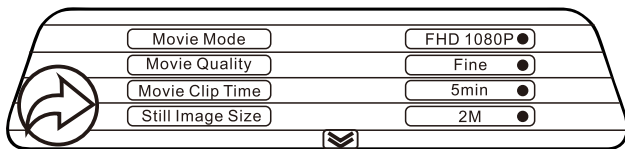
Movie Mode	FHD 1080P / HD 720P
Movie Quality	Super Fine / Fine
Movie Clip Time	5min / 10min
Still Image Size	2M / 1.2M

Notice
Movie Mode:
If choosing FHD 1080P, the recorded video resolution is 1920X1080.
If choosing HD 720P, the recorded video resolution is 1280X720.
Notice:
Movie Quality:
If choosing Super Fine, the recorded video has bigger size with higher resolution.
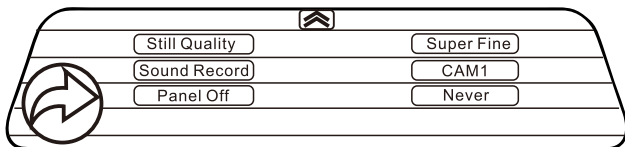**Notice:**
Movie Quality:
Time duration for each recorded file can be set 5min / 10min
Notice:
Still Image Size:
If choosing 2M or 1.2M, the captured picture will be about 2MB or 1.2MB.

Slide downward to next page

Still Quality	Super Fine
Sound Record	CAM1
Panel Off	Never

Still Quality	Super Fine / Fine
Sound Record	CAM1 / CAM2 / OFF
Panel Off	Never / 1min / 5min

Notice: still quality:

If choosing Super Fine, the captured picture has bigger size with higher resolution.

If choosing Super Fine, the picture resolution will be higher than Fine.

Notice: Sound Record:

Notice:

1. When choosing CAM1, Sound of recorded videos and real time video will come from CAM1.
2. When choosing CAM2, Sound of recorded videos will come from CAM2, but real time sound will mute.
3. When choosing off , real time sound and recorded video sound will mute.
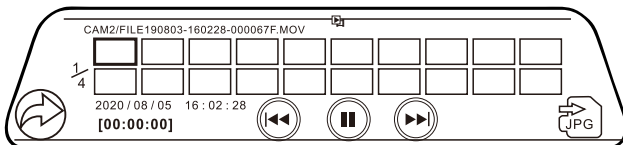
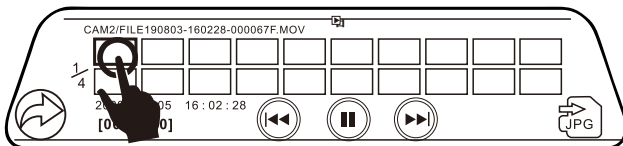Press to return to previous menu

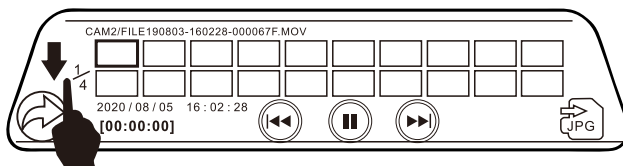3) PLAY
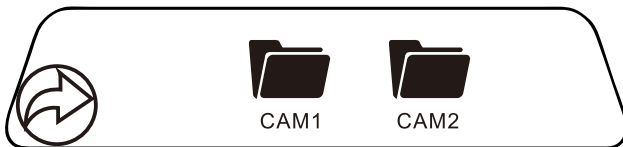
Click to enter CAM1 or CAM2 video/picture fold

3.1 Select a file

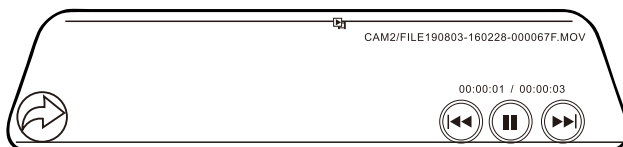Play any of the file by a simple click

Slide up and down to next page

CAM2/FILE190803-160228-000067F.MOV

1/4

2020 / 08 / 05   16 : 02 : 28
[00:00:00] |◄◄   (II)   ►►| JPG

Or you can select and play by click the icon

|◄◄   (II)   ►►|

It first enter fold of recorded videos, click JPG
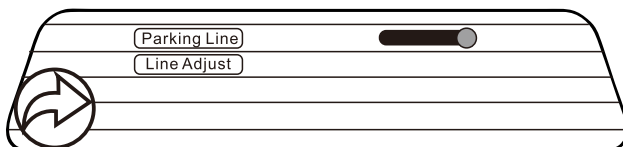to enter fold of captured pictures.

3.2 Play file

CAM2/FILE190803-160228-000067F.MOV

00:00:01 / 00:00:03

|◄◄ (II) ►►|

When playing file, click (|◄◄) or (►►|) to fast forward or fast backward.
X2 X4 X8 speed selectable.

Press (II) to pause   Press ⟳ to return to previous page

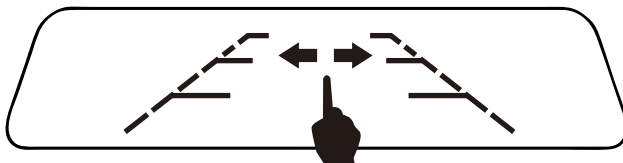## 4) PARK-LINE

Parking Line
Line Adjust

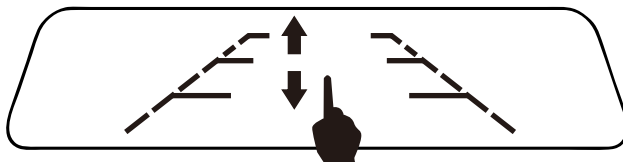| Parking line	If parking line is turned off, CAM1 will not display parking guide lines
Line Adjust	

Park Line Adjustment
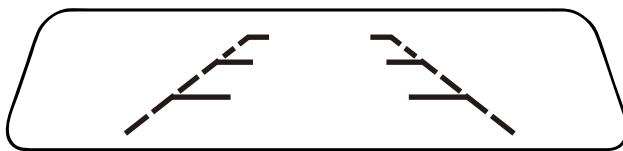
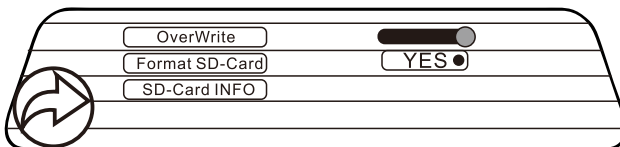Slide left/right to adjust park lines horizontally.

Slide up/down to adjust park lines vertically.

Return to previous page when finishing park line adjustment.
Notice: Please enter full screen of CAM1 before adjusting park line.

5) FORMAT

OverWrite
Format SD-Card   YES
SD-Card INFO

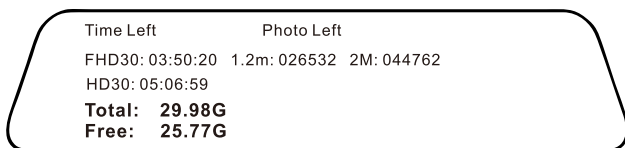| OverWrite	ON / OFF
Format SD-Card	YES
SD-Card INFO	

Notice: Overwrite:
If overwrite is turned on, the latest recorded file will overwrite the oldest ones.
If overwrite is turned off, recording will be invalid by indicating SD_FULL
when SD card storage full.
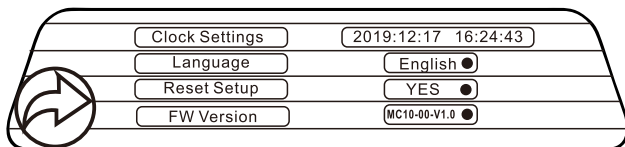Notice: Format SD-Card:
Choose YES or exit
Notice: SD-Card INFO:

```
Time Left              Photo Left
FHD30: 03:50:20   1.2m: 026532   2M: 044762
 HD30: 05:06:59
Total:   29.98G
Free:    25.77G
```

When wireless cameras connected, please refer to below table for recording time under different image mode:

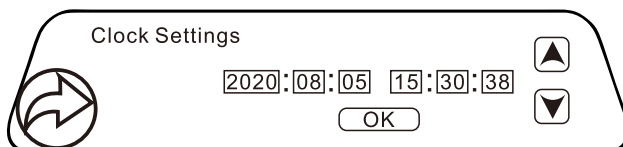|	8G	16G	32G	64G	128G
HD 720P	2.5 hours	5 hours	10 hours	20 hours	40 hours
FHD 1080P	1.25 hours	2.5 hours	5 hours	10 hours	20 hours

Notice: To store numerous high resolution videos, 8GB or higher capacity
TF card with C10 mark is recommended.

6) SETTING

```
Clock Settings      2019:12:17   16:24:43
Language              English ●
Reset Setup           YES    ●
FW Version          MC10-00-V1.0 ●
```

| Clock Settings	Set sysdate
Language	English/Spanish/Portuguese/Russian/Turkish/Italian/French/Dutch
Reset Setup	Press yes, the system will reset and reboot
FW Version	Firmware version

6.1 Clock Settings

Clock Settings

2020 : 08 : 05   15 : 30 : 38
OK

Click to select the parameter needs to be adjusted.

Clock Settings

2020 : 08 : 05   15 : 30 : 38
OK
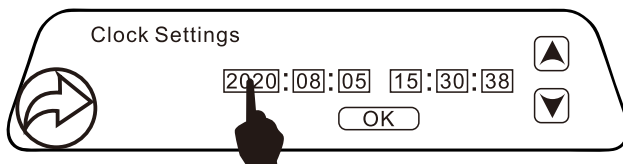
Slide up/down to increase or decrease

Clock Settings

2020 : 08 : 05   15 : 30 : 38
OK
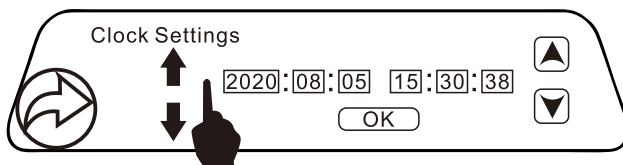
Or click ▲ or ▼ to increase or decrease

Press OK to save and exit when finish setting   OK

8 Troubleshooting

Symptoms	Possible Causes/Solutions
No sound	See page 13 for sound record settings.
Display flickering	Please check whether the vehicle power supply is undercurrent of 1.7A
Capture and Record N/A	Please check whether TF card inserted, and has enough capacity.
Stop recording	1. Check the FORMAT menu, whether overwrite is turned on. If it is turned off, TF card will stop recording when storage full. 2. Please format the TF card before using.