

**STEELMATE**

M700

# Driving Video Recorder

*Think safety think Steelmate*

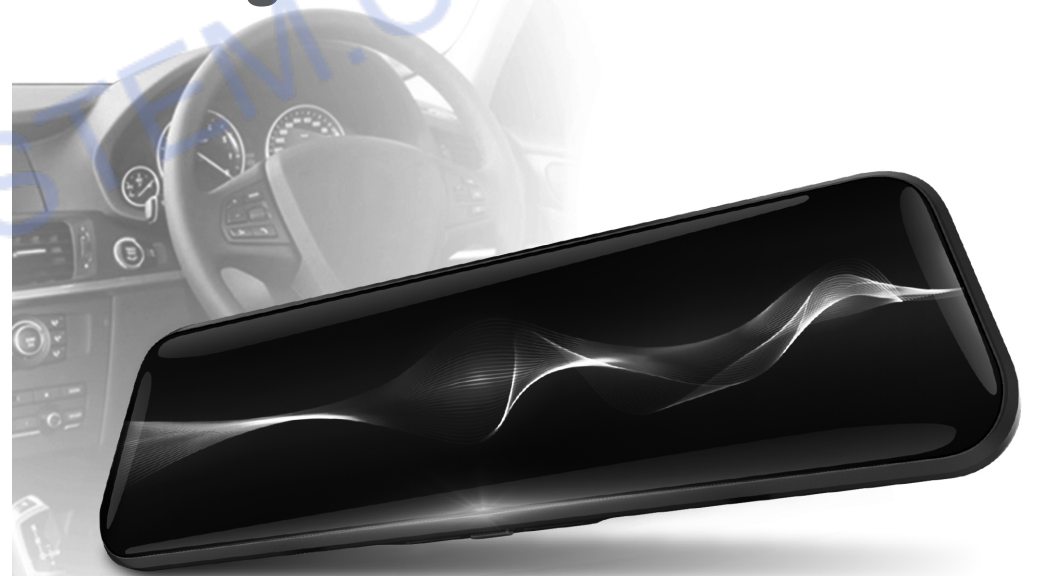
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Manual



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### User Manual

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## Disclaimer

- Steelmate reserves the right to change details and specifications in this manual without notice.
- Steelmate does not warranty this manual is error-free.
- Steelmate assumes no liability for damage incurred directly or indirectly from errors, omission, or discrepancies between the recorder and the manual.
- This camera is for personal use not for commercial purpose.
- Please read this manual carefully before using the camera.

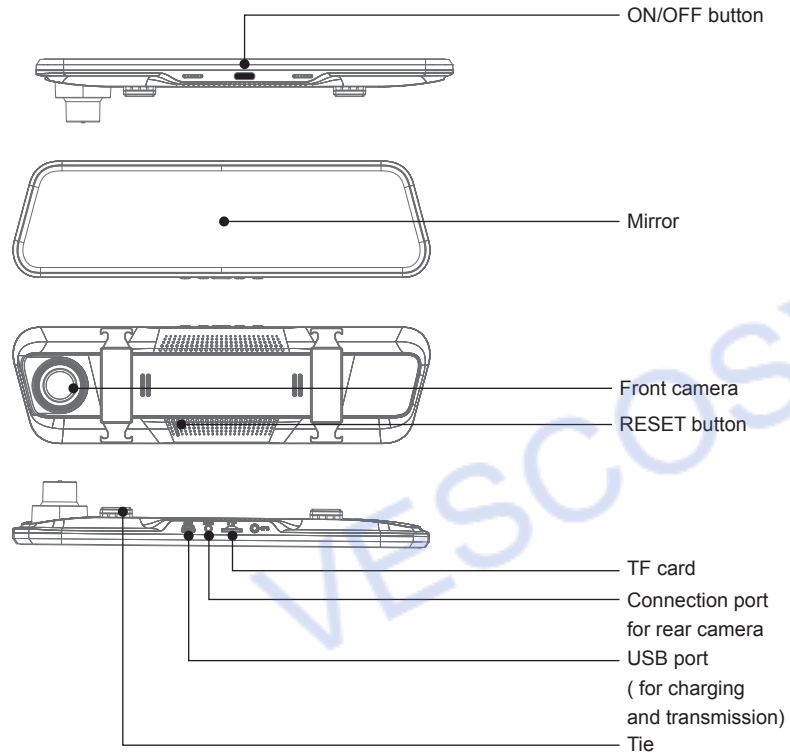
## User Manual

## Important notice

1. This recorder is for vehicle with 12V/24V DC.
2. Do not touch the lens with your fingers. Oils from your fingers may be left on the lens, resulting in video or photographic unclear.
3. Periodically clean the lens.
4. Make sure the view will not be blocked when determining the installation location of camera.
5. The image quality may be affected by intensity of light.

# 1. Introduction

## 1.1 Brief look



## 1.2 Interface details



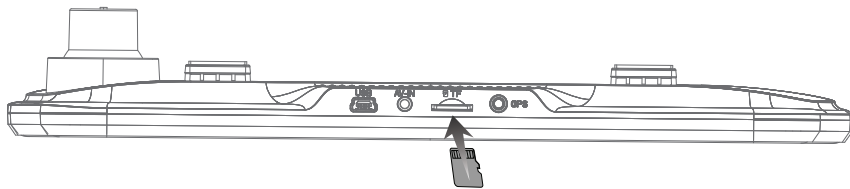
|                  |                                                             |
|------------------|-------------------------------------------------------------|
| Driving recorder | Click to enter the recording mode for recording             |
| Photo mode       | Click to enter the photo mode to take photos                |
| Playback mode    | Click to enter the playback mode to view the video or photo |
| Menu             | Click to enter the setting mode for functions setting       |

## 1.3 Specifications

|                              |                      |                        |                  |
|------------------------------|----------------------|------------------------|------------------|
| Maximum effective pixels:    | 2 million pixels     | Storage temperature:   | -20 ~ 65°C       |
| Aperture:                    | F2.5                 | Operating temperature: | -10 ~ 40°C       |
| Field angle of front camera: | 103°±5°(H) 52°±3°(V) | Operating humidity:    | 15–65%RH         |
| Resolution:                  | HD1080P              | Memorycard capacity:   | 32GB             |
| Photo compression format:    | MJPEG                | Memory card level:     | CLASS10 or above |
| Photo format:                | JPG                  | Working voltage:       | DC5V             |
| Video format:                | AVI                  | Operating current:     | 2.0A             |
| Frames per seconds:          | 30fps                |                        |                  |

## 2. Basic Operations

### 2.1 Storage



#### To insert TF card

- Slide memory into card slot with label facing front of recorder
- The card will click into place when fully inserted

#### To remove TF card

- Place fingernail against edge of memory card and lightly press further into recorder.
- Card will spring out far enough to be removed.

#### Tips:

- Do not insert/remove TF card when operating the recorder.
- Please format the TF card before use.

Notes: Steelmate does not guarantee the recorder's compatibility with TF card from all

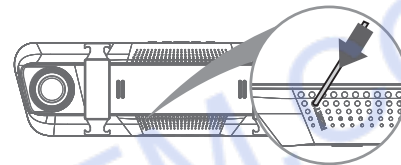
### 2.2 Recorder ON/OFF

When ACC ON, the recorder will start recording automatically.

When ACC OFF, the recorder will stop recording and save the file automatically, and it will turn off after 3 seconds.

Hold the " " button for 3 seconds to turn ON/OFF the recorder manually.

### 2.3 Hardware reset



Press "Reset"

- Occasionally, hardware needed to restart when the recorder stops recording; or appears to be "frozen" or "locked-up".
- Press the RESET button to perform a hardware reset.

### 2.4 TF card self-checking



| Message Pop-up            | Means                   |
|---------------------------|-------------------------|
| Please insert the SD card | No memory card inserted |
| Invalid image card        | Memory card damaged     |

#### Notes:

- The recorder checks the TF card when it is powered ON every time;
- The recorder will start recording automatically if the memory card is valid;
- The system will upgrade automatically if there is upgraded software saved in the memory card.

## 2.5 Loop recording

When vehicle ACC is ON, the recorder will enter the recording mode automatically. Click “” icon to start loop recording, and click “” icon to stop the recording. The frameless recording may be divided into several video clips (default is 1 min /video clips). The length of video clips can be changed in Menu (Please refer to page 08 ).

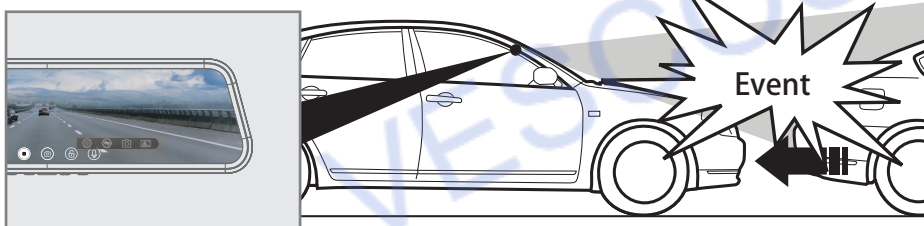
When vehicle ACC is OFF, the recorder will stop recording and save files automatically;

Notes:

- The files from Loop Recording can be founded in “DCIMA” or “DCIMB” category in TF card.
- The files can be founded in File Playback.(Please refer to page 07)

## 2.6 Emergency recording

By default, if an event happens, such as sudden impact, high-speed driving, an overdone turn or an accident crash, the G sensor will trigger the recorder to start an Emergency Recording automatically if G sensor is ON(default is OFF).



Notes:

- The Emergency video will be locked automatically and not be overwritten when the memory is full.
- The files from Loop Recording can be founded in “DCIMA” or “DCIMB” category in TF card.
- The files can be founded in the File Playback.(Please refer to 07)

## 2.7 Photo taking

During Loop Recording, click “” icon to take a snapshot. Or click “” icon to enter the main interface, and click Photo mode to enter it, then click “” icon to take the photo.

Note:

- The files from Photo taking can be founded in “DCIMA” or “DCIMB” category in Micro SD card.
- The files can be founded in File Playback.(Please refer to page 07)

## 2.8 Brightness adjustment

During Loop Recording, scroll the brightness bar between “” icon and “” icon to adjust the brightness of the screen.

## 2.9 Intelligent sleeping mode

When ACC OFF, the recorder will enter the intelligent sleeping mode.

## 2.10 Camera switching

In Recording mode or Photo mode, swipe left or right on the screen to switch the front or rear camera.

## 2.11 Recording while parked

In setting page, select Parking detection and confirm it is not turned OFF. When the vehicle is parked, if an event happens, such as sudden impact or accident crash, the recorder will turn on and recoding automatically. The video from the moment will save in 30 seconds. Finally, the recorder will enter the intelligent sleeping mode after the recording finished.

Notes: The screen is always closed during the recording unless press “” button by manual.

## 2.12 Time lapse while parked

In setting page, select Time Lapse and confirm it is not turned OFF. When the vehicle is parked, the video will start to record an video for 5/12/24 hours with 1 fps.

Notes: The screen is always closed during the recording unless press “” button by manual.

### 2.13 Motion detection

In setting page, select Motion Detection and confirm it is not turned OFF. The motion detection automatically records a video when a moving object is detected in front of your vehicle, it will also stop recording after no moving object is detected.

Notes: When vehicle ACC is OFF or exit the Recording mode, this function is automatically OFF.

### 2.14 Parking assist line

When the reverse gear is selected, the parking assist line will be shown on the recorder, to help the driver make parking easier.

### 2.15 File locking

Once you want the file be saved and not be overwritten, you can click “” icon to lock the file during Loop Recording.

### 2.16 File playback

Click “” icon to enter the main interface, and click Playback mode to view the video or photo.

 < The video file of front camera from Loop Recording, and named format is MOVA0000.

 < The video file of rear camera from Loop Recording, and named format is MOVB0000.

 < The video file of front camera from Emergency Recording, and named format is LOCA0000.

 < The video file of rear camera from Emergency Recording, and named format is LOCB0000.

 The photo file of front camera from Photo taking, and named format is PICA0000.

 The photo file of rear camera from Photo taking, and named format is PICB0000.

Select the desired file and press it for a few seconds, can delete, lock or unlock the file.

### 2.17 System settings

Click “” icon to enter the main interface, and click Menu to enter the setting mode.

| Setting item         | Description                                                                                                                                                   | Options                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Volume               | Set the volume                                                                                                                                                | 0, 1, 2, 3, 4, 5, 6, 7, 8           |
| Video resolution     | Set the resolution of camera                                                                                                                                  | 1080FHD, 1080P, 720P                |
| Photo quality        | Set the resolution of photo                                                                                                                                   | 12M, 10M, 8M, 5M, 3M, 2MHD          |
| Loop recording       | Set the recording length of each video                                                                                                                        | Off, 1 minute, 2 minutes, 3 minutes |
| Exposure             | Adjust the exposure will counter balance high or low light conditions                                                                                         | +2/3, +1/3, +0.0, -1/3              |
| Starlight            | Set the starlight                                                                                                                                             | Off, open                           |
| Motion Detection     | When activated, the Motion Detection automatically recording the video when detect moving object                                                              | Off, open                           |
| Recording switch     | Set if mute recording is needed                                                                                                                               | Off, open                           |
| G-sensor             | When enabled, the G-sensor will trigger the recorder to start Emergency Recording automatically when event happened. The G-sensor sensitivity can be adjusted | Cancel, high, medium, low           |
| Parking detection    | Set the parking detection                                                                                                                                     | Off, open                           |
| Automatic screen off | Set the screen status when there is no action                                                                                                                 | Off, 1 minute, 2 minutes, 3 minutes |
| Time-lapse video     | Set the time lapse                                                                                                                                            | Off, 5 hours, 12 hours, 24 hours    |
| Language             | Set the language                                                                                                                                              | English, Chinese, etc               |
| Date/time setting    | Set the system date and time                                                                                                                                  | YYYY/MM/DD/HH/MM/SS                 |
| Format               | Format the inserted TF card, deleting all photos, videos and data                                                                                             | Confirm, cancel                     |
| Reset                | Restore system to default setting                                                                                                                             | Confirm, cancel                     |
| Version information  | Product information                                                                                                                                           | Version number                      |

### 3. Includes



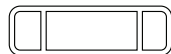
Recorder



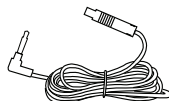
Power cable



Rear camera



Tie



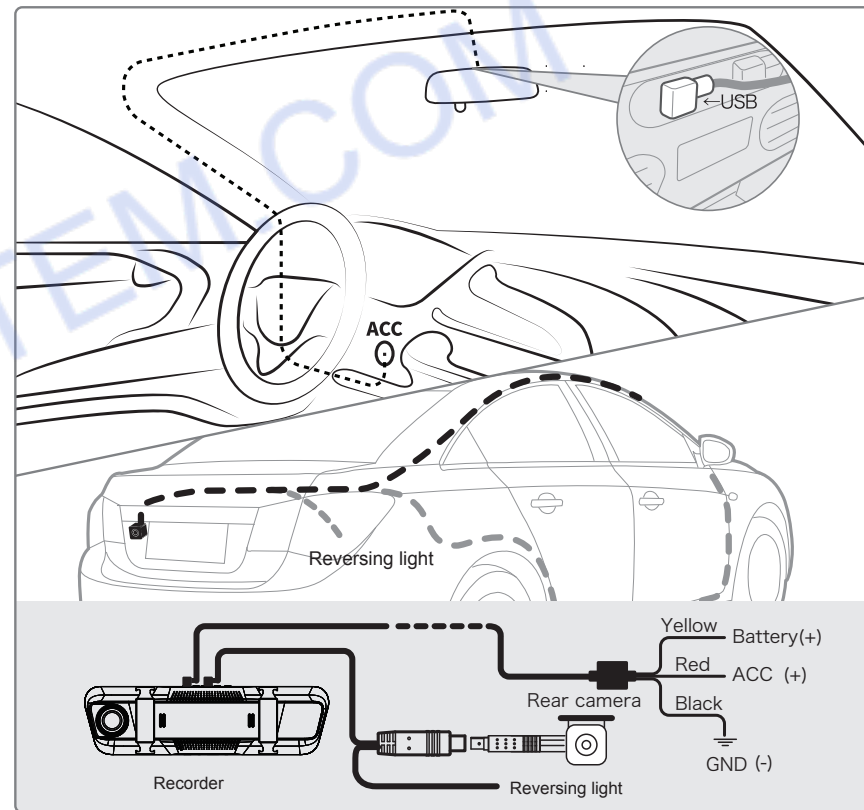
Rear camera cable



Manual

Notes: The above graphics are for reference only.

### 4. Wiring diagram for front camera and rear camera



Notes: Do not place the connection wire of rear camera on the same side as the power cable.

## 5. Troubleshooting

### 1. Cannot turn ON the recorder

- Make sure the power supply connected properly and correctly.
- Press the Reset button to restore the system.

### 2. Stop recording automatically or do not loop recording when recording.

- Because the HD video data is huge, the reading and writing speed of the memory card cannot keep up, please use Class 10 high-speed TF card.

### 3. The video is not clear.

- Please check the lens for dirt or finger prints. Clean the lens surface before recording.

### 4. The video effects sometimes good, sometimes bad

- In different light, the shooting effect will be different.

### 5. The recorder is frozen.

- Press the Reset button to restart the system.

### 6. Rear camera loading unsuccessful.

- Disconnect the rear camera from the recorder, and install it again.