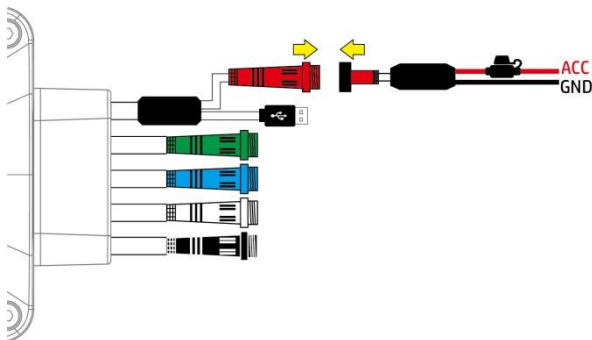m680

Moto Cam
User Manual

This product is designed with waterproof. However, it is forbidden to use a strong jet of water to rinse or flush the product. The warranty will be invalid if the damage is caused by this reason.

Use the attached power cable and wires for installation only. Please do not use other brand of power cable or wires to avoid equipment burn or explosion.

Contents

About this Guide
The content in this document is for information purpose and is subject to change without prior notice. We have made every effort to ensure that this User Guide is accurate and complete.
However, no liability is assumed for any errors or omissions that may have occurred.
The manufacturer reserves the right to change the technical specifications or accessories without prior notice.

Regulatory Notice
This document provides country- and region-specific non-wireless and wireless regulatory notices and compliance information for your product. Some of these notices may not apply to your product.

Prohibition of co-location
This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

WEEE Notice
Disposal of Waste Electrical and Electronic Equipment and/or Battery by users in private households in the European Union

WEEE

Battery

This symbol on the product or on the packaging indicates that this cannot be disposed of as a household waste. You must dispose of your waste equipment and/or battery by handling it over to the applicable take-back scheme for the recycling of electrical and electronic equipment and/or battery. For more information about recycling of this equipment and/or battery, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

CE Regulatory Notice
The product herewith complies with the requirements of IEC 62368-1:2018, the EMC Directive 2014/30/EU, the RED-Directive 2014/53/EU and the RoHS Directive 2011/65/EU.
EU Health Protection: This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Notes on Installation
1. Keep the wire and host mounted away from the high-voltage ignition coil.
2. Do not bend the wires and connectors severely while installation.
3. Do not touch the lens with your fingers. Finger grease may be left on the lens and will result in unclear videos or pictures. Clean the lens on a regular basis.

4. Use the attached power cable and wires for installation only. Please do not use other brand of power cable or wires to avoid equipment burn or explosion.
5. Please seek for professional shops and technicians for installation.
6. Keep the installation space of the host clean and tidy, and avoid sharp objects or heavy objects crushing the screen or other cables.
7. **Some of motorcycles still supply power to USB port after engine is turned off, and the host keeps recording. Please manually unplug the USB power cable from the host to shut down, so as to avoid motorcycle's battery running out caused by long-term use.**

Notice

In a high humidity environment or when travelling between areas with large temperature difference, light moisture or fog may appear on the lens. This is normal. If this happens, remove the microSD card, and remain the microSD card slot cover and USB port cover opening, let the microSD card slot and USB port face up for several hours until the internal moisture or fog evaporates, and then reinsert the card and resume use.

Caution

❖ Due to local laws and vehicles safety considerations, do not operate the camcorder while driving.
❖ Set up time zone, time and date accurately before you use this camcorder.
❖ The firmware function in the camcorder is for reference only, drivers are advised to exercise discretion based on actual road conditions.
❖ The results of GPS positioning are only for reference, and should not affect the actual driving situation. The camcorder also cannot ensure the positioning accuracy.
❖ GPS positioning accuracy may differ depending on weather and location such as high buildings, tunnels, undergrounds, or forests. GPS satellite signals cannot pass through solid materials (except glass). Tinted window will also affect the performance of the GPS satellite reception.
❖ GPS reception performance on each camcorder may differ. The camcorder cannot determine the accuracy of the positioning results from different hardware.
❖ The values displayed in this camcorder, such as speed and position, may be inaccurate due to the influence of surrounding environment. They are for your reference only.
❖ This product is used only for non-commercial use, within the maximum limits permitted by applicable law. We do not take any responsibilities for the loss of use of the product.
❖ This camcorder gets warm when in use; this is normal.
❖ Improper use or operation of the product may result in damage of the product or its accessories and void the warranty.
❖ Wi-Fi Signals are unable to pass through the building. The limit of signal transmission is 5m.
❖ Wi-Fi Operation Channel: Ch1~Ch11
❖ The product employs wireless data communication which may interfere, or be interfered by, a near-by camcorder.

- ❖ Never use this camcorder in the vicinity of a microwave oven or at places where there is radio interference.
- ❖ Radio wave reception may be worsened in specific environments.
- ❖ Please be advised that if another camcorder is also using the same 2.4GHz band as this product, the processing speed of both camcorders may slow down.
- ❖ The radio frequency (RF) generated by this RF electronic camcorder may cause adverse effects on the operation of other electronic camcorders and result in malfunctioning. Wireless transmitters and circuitry may also interfere with other electronic camcorders. Therefore, do observe the following precautions:
  - Aircraft: Never use a radio transmitter when you are in an airplane. Please switch off the Wi-Fi function of the camcorder.
  - Vehicle: The radio frequency transmitted by this camcorder may affect the electronic system in a motorized vehicle. Please consult the manufacturer or dealer of your vehicle on the possible effect.
  - Pacemaker: In order to prevent any potential interference to a pacemaker, anyone who uses a pacemaker should be advised, that, when using this camcorder, a minimum distance of 15cm (6 inch) should be kept between the camcorder and the pacemaker; and never put this camcorder in a chest pocket. In case of any doubt of interference, switch off the camcorder immediately.
  - Medical Camcorder: If you use a personal medical camcorder, consult the camcorder manufacturer or your physician to confirm if your camcorder is sufficiently shielded from the RF transmission of this camcorder.
  - Medical Facilities: Hospitals and medical institutes may use facilities that are sensitive to an external RF energy. Observe such instructions when the medical care personnel or any posted sign requests you to switch off any camcorder that may interfere the radio frequency.
  - Explosion sites or any location with a posted sign: In order to prevent interfering with an explosion activity, observe all the signage and instructions in the Explosion Area or in a zone with a "Switch Off 2-way Radios" sign by switching off camcorders that may interfere with the radio frequency.
- ❖ HP Inc. is NOT responsible for the loss of any data/content during operation.

When you start using the system, it is assumed that you agree to the above statement.
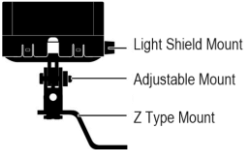
1 Introduction

Thank you for purchasing this advanced Moto Cam. This product is specifically designed for real time video recording when riding scooter.

1.1 **Feature**

- Dual waterproof camera, super high resolution
- 2MP Sony Starvis sensor
- 2" Color LCD
- Wi-Fi and friendly app
- Host and accessories all waterproof
- High brightness LED of Remote Control to lock the file
- High volume of warning sound
- ACC power cable or USB power cable for installation
- Freely position GPS in any better reception(GPS is optional)
- Collison and topple-over detection, auto emergency recording
- Head's Up Display
- Parking Mode with power bank connection

1.2 **Package Contents**

The package contains the following items. In case there is any missing or damaged item, contact your dealer immediately.

Host	Front/Rear Cam	Light Shield Mount Set		
		Light Shield Mount · Adjustable Mount · Z Type Mount		
Installation Kit				
Power USB cable	Power ACC cable	Parking Mode USB Cable	Bead	Remote Control	GPS

1.3 Product Overview
1.3.1   Host
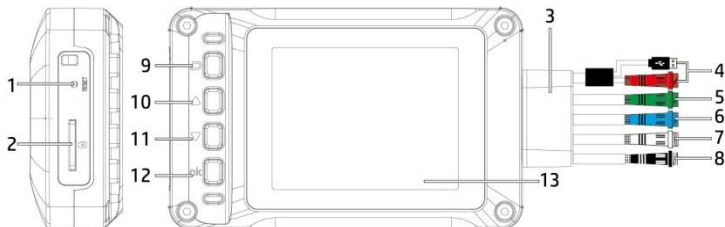
No	Item	No	Item
1	Reset	7	White: to connect Remote Control
2	microSD slot	8	Black: to connect front camera
3	5in1 connector	9	MENU/Return button
4	Red: to connect power cable	10	Up/Switch Cam button
4	USB-A: to connect power bank to activate parking mode	11	Down/Add Speed Cam button
5	Green: to connect GPS	12	OK/HUD button
6	Blue: to connect rear camera	13	Display

1.3.2 **Remote Control**
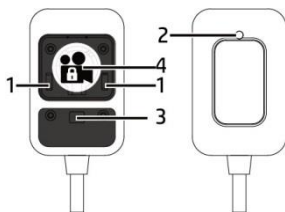
No	Item	Function
1	LED indicator	-LED solid: power on (standby) -LED flash one sec one time: in recording -LED flash rapidly: emergency record / speed cam alert. *Note -LED flash slowly: front or rear cam abnormal working
2	Buzzer	Beep 1 time: start recording / manually emergency recording Beep 3 times: speed cam alert *Note Beep 5 times: card error or not insert card Continuously beep: topple-over alert
3	Microphone	Voice record
4	Button	-short press 1 time: to lock the file / to cancel continuously beep sound (manually lock the file, and auto take one snapshot, too.) -short press 2 times: turn on/off LED -Long press 3 seconds: turn on Wi-Fi

Note:
1. The speed cam alert function must have the speed cam map datum of the country or region built into the GPS of the device. If there is no built-in map datum, this function will not work. If GPS is not installed, this function has no effect either. The speed cam alert function is for reference only, and it's not guaranteed to cover all speed cam spots on the driving route. Please make own judgments based on actual road conditions while driving.
2. The speed cam map datum depending on shipping area. Please contact distributor whether if it's built-in or not for your area.

1.4 Getting Started

1.4.1 **Insert the Memory Card**

Insert memory card with the gold pins facing forward, and the display of the host is toward up, see the picture as below,
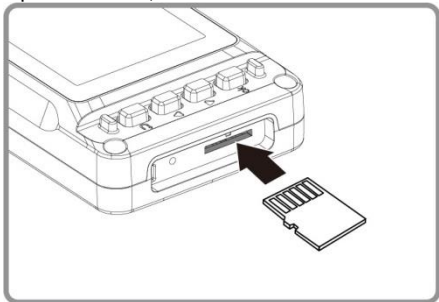
1.4.2 **Remove the Memory Card**

Turn off the scooter's engine, and the camera will power off accordingly. Once the camera is completely powered off, you can remove the memory card from memory slot.

Note:
1. Don't remove or insert the memory card while the camera is in working status. This may damage the memory card or cause data lose.
2. Support microSD card speed V30 or higher and capacity 16GB or greater. (support up to 128GB)
3. Please use Go Moto Plus app to format the memory card and sync the date and time before the initial use.
4. Please regularly format memory card and sync date/time. (Recommend once a month)

1.5 Setting Go Moto Plus App

1.5.1 Download and Install

The camcorder allows you to connect to the smart phone via the app. When using for the first time, install the [**Go Moto Plus**] app for your smart phone.

1. Scan below QR code or download **Go Moto Plus** app from Google Play or App Store.

2. Install the app.

iOS/Android

APP layout and features may be changed subject to different software versions. Please refer to Google Play or APP Store for update.

1.5.2   **Wi-Fi Connection**

1. When the host is power on, Wi-Fi will be valid for 3 minutes.
2. The host screen will display Wi-Fi Device ID and Password. Using the Wi-Fi function of your smart phone, search for the camcorder ID "hp_m680_xxxxxx" from the list (last 6 numbers are system random numbers). Enter default password 12345678.

3. There is a Wi-Fi icon on the camcorder's screen. Once the icon turns to blue, your connection has been successfully established.

Note:
1. Wi-Fi will be auto activated for 3 minutes when the host is powered on. If you don't use [Go Moto Plus] app, the host will disable Wi-Fi to save power. If you want to turn on Wi-Fi again, long press the button on remote control.
2. The smart phone shall be within a maximum of a 5m distance from the host without any buildings in between.
3. When the Wi-Fi function of the camcorder is ON but not yet connected with your smart phone, or the connection is disconnected, the Wi-Fi icon on camcorder's screen will be white.
4. After connecting the smart phone with the camcorder, and activate app feature "Network Streaming", all the button operation of the camcorder will be disable; all the operations shall be carried out via the Go Moto Plus App.
5. The language of the Go Moto Plus app will be consistent with your smart phone, beyond the language options, the app will be activated with default language.
6. Supports OS: Android 9.0 or higher, iOS 13 or higher, Harmony 2 or higher.

2 Installation

Below installation is for reference only. Please contact professional shops and technician for installation.

2.1 **Connect Host and Accessories**

Connect host with power cable, front camera, rear camera, GPS and Remote Control according to connector's colors.
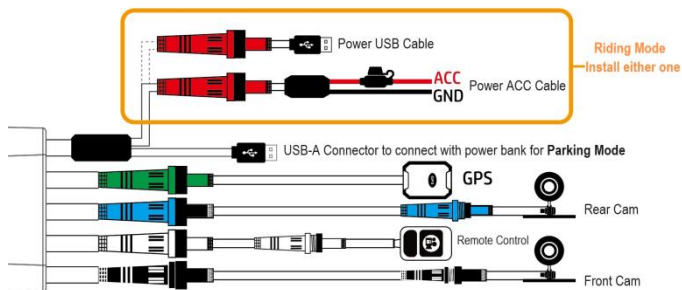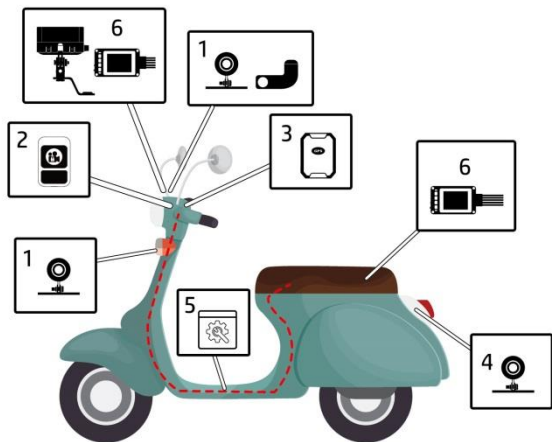

Note:
1. The power installation can be assembled by ACC cable or USB cable.
2. Use the attached power ACC cable or power USB cable for installation only. DO NOT use other brand of power cable or wires to avoid equipment burn or explosion.
3. The supplied BEAD is not required for installation. To reduce the interference by other electronic devices, it's suggested to assemble BEAD close to the power terminal and camera terminals as below rendering.
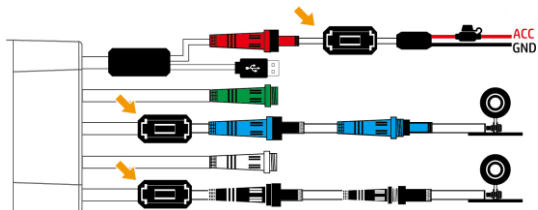
2.2 Installation Position

No	Item	Installation position
1	Front camera	To be fixed on scooter's head or the central of front case. Or use rear-view-mirror mount and fix it on the scooter's rear-view-mirror.
2	Remote control	To be fixed on the front handle.
3	GPS	To be fixed on a good reception of front handle.
4	Rear camera	To be fixed on the license plate or rear handle.
5	Wire installation	Use Installation Kit to mount the host, accessories and wires. Refer to above image and the wiring route to install all items.
6	Host	Put and fix the host and accessories' wires in the cabinet. Use Velcro to fix the host on the inner side of cabinet; it's convenient to remove the host and take out memory card to check. Avoid any sharp or heavy objects to damage the host or wires. *Use Light Shield Mount to install the host on the rear-view mirror bar. *When installation is completed, use Go Moto Plus app to calibrate topple-over detection. (Tilt Detection).

2.3 Power Cable
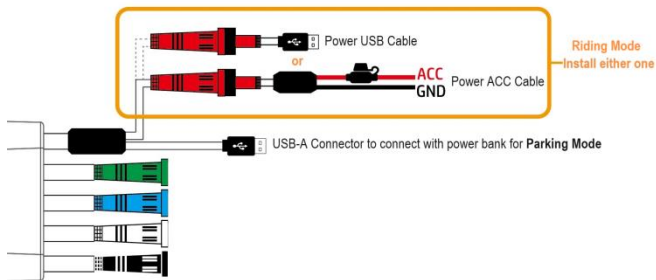
Riding Mode:
Choose either power ACC cable or power USB cable for installation. When installation is completed, the host will power on and automatically start recording once the engine starts. When the engine shuts down, the host will be powered off. Some of motorcycles still supply power to USB port after engine is turned off, and the host keeps recording. Please manually unplug the USB power cable from the host to shut down, so as to avoid motorcycle's battery running out caused by long-term use.

Parking Mode:
To activate Parking Mode, it's required to install power ACC cable or power USB cable in advance. Afterward, plug USB-A connector of the host to power bank, the power bank will be turned on automatically. Select the parking mode from settings. (Refer to 3.6 Parking Mode for details of settings) After setting is completed, when the engine shuts down, the power bank will continue to supply power to the host and enter parking mode. When the engine starts once again, it will automatically resume to riding recording, and stop using power from power bank.

2.3.1 **Install Power ACC Cable**

Plug the red terminal of power ACC cable into red terminal of the host. See the rendering as below. The other end of ACC wire must connected with ACC gate of motorcycle. DO NOT connect with the battery directly. This installation is required professional skill and highly suggested to do so through the technician in the shop.
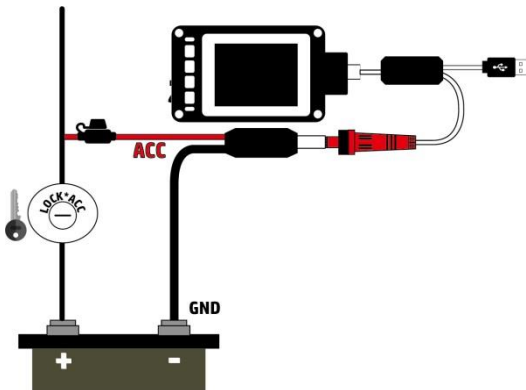
2.3.2   Install Power USB Cable

Plug the red terminal of power USB cable into red terminal of the host. The other end of USB connector plugs into USB port of motorcycle.

> **NOTE: Some of motorcycles still supply power to USB port after engine is turned off, and the host keeps recording. Please manually unplug the USB power cable from the host to shut down, so as to avoid motorcycle's battery running out caused by long-term use.**
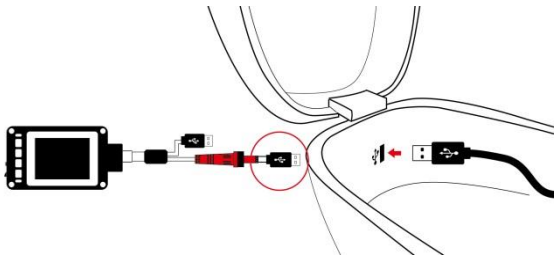
2.3.3   Install USB-A Connector

Plug the USB-A connector into power bank. This installation is for parking mode and power ACC cable or power USB cable is required to install in advance.
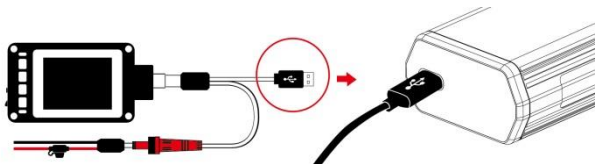
Note:
1. The power installation can be assembled by ACC cable or USB cable.
2. Use the attached power ACC cable or power USB cable for installation only. DO NOT use other brand of power cable or wires to avoid equipment burn or explosion.
3. Before install power USB cable, make sure the USB port of your motorcycle is UPS design or not. If it's UPS design, you will need to unplug the power USB cable every time when the engine shuts down.
4. The power bank is not included in the package. If needed, please purchase waterproof and high temperature resistant products.

2.4 Install Front Cam on Rear-View Mirror

The front camera(with black terminal) can be assembled on the front shell or the handle of motorcycle. Use "rear-view mirror mount", it can be assembled on the rear-view mirror bar, too. Suggest mounting it on the right side of rear-view mirror bar.

1. Dissemble the original mount from the camera.

2. Temporarily take out the metal ring and put the Anti-slippery Sticker on the gutter of the camera. Then, peel off the transparent film. Put on metal ring once again.

3. Insert A of the Mount in the middle of metal ring, and confirm the white mark on camera is always positioned up. This is to make sure the capture image is in correct angle. Use screw driver to fix to the Mount.

4. Take out the rear-view-mirror from the motorcycle. Insert B of the Mount into the bar of rear-view-mirror.
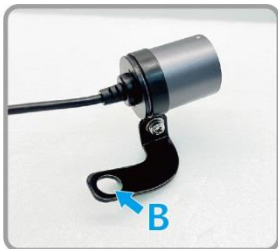
5. Put the whole set of rear-view-mirror back to motorcycle and fix it steadily.

6. It's highly recommended to install the Rear-view-mirror Mount on the right side of the motorcycle. If install in the left side, below image for reference.

2.5 Install the Host on Rear-View Mirror

The host can be assembled inside the cabinet. Use "light shield mount", it can be assembled on the rear-view mirror bar, too. Suggest mounting it on the right side of rear-view mirror bar.

1. Take out rear-view mirror. Install light shield mount onto the rear-view mirror bar.

2. Assemble the rear-view mirror back to the handle.

3. Use hexagon spanner to loose the screw in the central of light shield mount. The screw will be rose, but it won't be dropped out. Use hands to pull out the clickers on two sides. Open the mount.
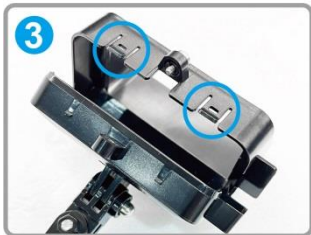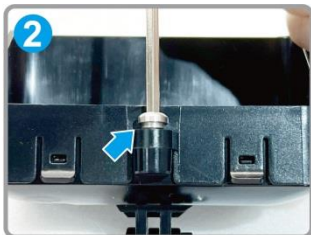
4. Insert the memory card into the host. Put the host in the light shield mount. Close the mount until a "click" sound heard. Screw the mount tightly.

5. Generate the wires. Starts the engine. After the host turns on, use adjustable mount and Z type mount to adjust the screen position. When it's completed, screw tightly both mounts. If needed, use Spiral Wrapping Band to bond the wires of the host.

2.6 Adjust View Angle

Use screen or Go Moto Plus app to preview and adjust the view angle.

2.7 Calibration and Format

After adjusting your viewing angle, tap $\{^{\circ}_{\circ}\}$ in the Go Moto Plus app to enter "Camera Setting". On first use, be sure to calibrate "Tilt Sensor" and "Format" microSD card.

Calibrate the Tilt Sensor:

Hold your motorcycle upright, straight and still as possible, then tap on "Tilt Sensor" in the menu so the Host can calibrate the internal tilt sensor. After the calibration is completed, if the camera detects that the motorcycle is toppled over, it will trigger emergency recording automatically. This is indicated by the LED going from a slow flash to a rapid flash. Emergency recordings are stored in the emergency video folder. When the Folder is full, app will pop-up message of "**Emergency video files will be overwritten by loop recording. Backup important files.**". Regularly check the recorded files and backup if needed.

NOTE: The auto detection of "Emergency Recording" can be turned on or off from Camera Setting.

Format microSD Card:

Tap "Format" in the menu to format microSD card. It is recommended to format your card at least once a month to ensure that it is working properly. Make sure backup important files before formatting.
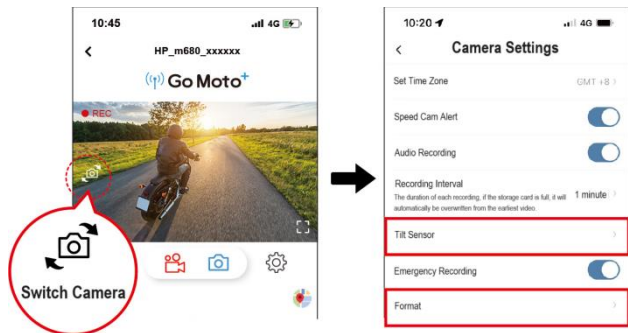
3 Use Moto Cam
3.1 Recording

In the normal recording mode, the LED on remote control will flash slowly. The recorded files will be saved in the "Video" folder. If the LED flashes rapidly, it is in emergency recording mode. The recorded files will be saved in the "Emergency" folder. If the folder is going to be full, it will start loop recording and overwrite the oldest files in the folder. If the LED is solid and not flashing, it means in no recording mode. Please check whether if memory card is inserted or card needs to be formatted or replaced by a new card.

3.2 Preview Image

No	Icon	Item	Description
1	● 00:10	Recording Duration	Recording duration
2	2023/01/01 12:00:10	Date/Time	Date/time of current recordings.
3	⬛	Menu Button	In recording mode, press this button to stop recording and enter Menu for

No	Icon	Item	Description
			settings.
4		Switch Camera Button	Switch front and rear cam preview image.
5		Add Speed Cam Button	In recording mode, press this button to manually add speed cam.
6	**HUD**	HUD button	In recording mode, press this button to enter HUD mode.
7		GPS	GPS status
8		Voice Record	Voice record is off.
9	SD	SD card	SD card is inserted SD card is not inserted or not recognized.
10		Wi-Fi	Wi-Fi on and awaiting for pairing Wi-Fi on and connected Wi-Fi off
11		VIV image	Rear cam preview image.

3.3 **Emergency Recording**

There are two ways to activate emergency recordings.

1. **Automatically**

After calibration is done, turn on the "Emergency Recording" option from Settings. If an accident happens and the motorcycle is toppled over, the host will trigger emergency recording. The screen will keep flashing yellow and white triangle warning icon.
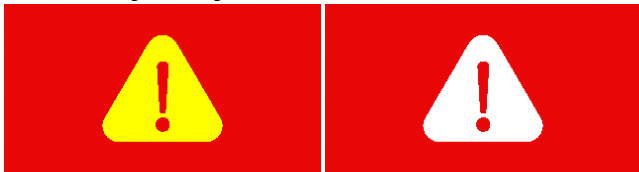
The LED on the remote control will flash rapidly and alert a 2-second long beep sound. The recorded files will be saved in the Emergency folder. The duration is same as recording interval setting. When the emergency recording time reaches the setting, it will resume and continue the normal recording. However, long beep sound is still going on until the power cut-off or manually press the button on remote control or any button on the host, or move the fallen motorcycle from the ground to upright.

2. **Manually**

In recording mode, press the button on remote control to activate emergency recording. The recorded file will be saved in the "Emergency" folder and take a snapshot to save in "Picture" folder at the same time. The LED on remote control will flash rapidly and alert a beep sound.

Note:
1. The emergency folder is occupied 20% capacity of memory card. When the folder reaches space limits, it will over write the oldest files and continue recording.
2. ."Emergency Record" can be disabled from settings, and it will not automatically trigger emergency recordings during the ride. Even this function is disabled, the 20% space is still reserved and cannot be used for normal recordings.
3. Disable "Emergency Record" from settings, the user is still able to activate emergency recording any time by pressing the button on the remote control. In parking mode, the collision detection triggers emergency recording is still active, too.
4. In parking mode, if sets in "Warning Mode", when the emergency recording is triggered, a 2-second beep sound will alert continuously until the recording is finished.

3.4 **Speed Cam Alert**

If the **Speed Cam Alert** function is enabled, once your location is determined by GPS and approaches a speed cam, the remote control produces audible alert and the host will pop-up screen message.

To enable the Speed Cam Alert, do the following:

1. Press the ▤ button to stop recording and enter the OSD menu.
2. Press the △/▽ button to select **Speed Cam Alert**, and then press the ⊙Ⓚ button for entering function menu.
3. Press the △/▽ button to select **On**, and then press the ⊙Ⓚ button to enable the function.
4. Press the ⬠ button to return recording screen.
5. The alarm screen turns red to remind you to slow down if you are driving faster than the speed limit.

Note:
1. The host is limited to triggering no more than two alarms at the same time. If a voice and alert message have been triggered, any other alarm will be ignored until either of the two is settled.
2. Satellite positioning must be completed before Speed Cam Alert triggers. Be sure to check that Satellite positioning has been completed prior to using the product.
3. The speed cam alert function must have the speed cam datum from the country you use. The function will be void if the product is used in any other countries. Please consult with the shop you purchased if the function is void. There is no guarantee the speed cam datum will be included for the worldwide countries.
4. This feature is for reference only. Users are advised to exercise discretion based on actual road conditions.
5. If no need beep sound alert from remote control, it can be set off from "GPS Broadcast" in Menu. When the "GPS Broadcast" is set as off, when the speed cam is ahead, the LED on remote control will still flash rapidly, and the screen will also pop-up warning icon.

3.5 Add Speed Cam Point

You may customize speed cam positions in this product.

1. When the GPS positioning is completed , press $\bigtriangledown$ to update speed camera points.
2. This product features a capacity of 50 speed cam positions. In case you are trying to add more than that the system prompts with message "***Speed Position is full***".


Note:

You may delete custom speed cam positions by selecting the *Delete Last Position* or *Delete All Position* option from the *Speed Position Management* menu. Please note that all of your existing speed cam positions are deleted once the *Delete All Position* option is selected. Make sure you are ready to recreate your custom speed cam positions before running this option.

3.6 Parking Mode

3.6.1 Set Up Parking Mode

To activate Parking Mode, it's required to install power ACC cable or power USB cable in advance. Afterward, plug USB-A connector of the host to power bank, the power bank will be turned on automatically. Select the parking mode from settings. After setting is completed, when the engine shuts down, the host will enter parking mode. Follow below steps for set-up.

1. Power ACC cable or power USB cable installation is completed.
2. Start the engine, the host powers on, press 🗐 button to enter Menu for setting.
3. Press △/▽ button to select "**Parking Mode**", and press ☉Ⓚ button to enter.
4. Press △/▽ button to select "**Park Recording**" or "**Vibration Detection**", and press ☉Ⓚ button for activation.
5. Press ⬅️ button to return to preview screen.
6. Plug USB-A connector of the host to power bank. Power bank will be turned on automatically.
7. Shut down the engine, the screen of the host will pop up message "**Enter parking mode after 10 sec.**" After 10 seconds, the host will enter parking mode. In parking mode, the screen and Wi-Fi will be off.

[Disable] When the engine starts again, the screen will show "Start Normal Recording". The host will stop parking mode, and resume to normal recording and stop obtaining power from this external power bank.

[Re-enter] When the engine shuts down again, the screen will show "Enter parking mode after 10 sec." After 10 seconds, the host will enter parking mode again and power supplied by the external power bank.

3.6.2 **Set Up Parking Mode Alert**

In parking mode, there are two warning alerts can be set-up when emergency recording is triggered. Follow below steps for set up.

1. Press ▤ button to enter Menu for setting.
2. Press △/▽ button to select "**Parking Mode Alert**", and press ⓄⓀ button to enter.
3. Press △/▽ button to select "**Mute Mode**" or "**Warning Mode**", and press ⓄⓀ button for activation.
4. Press ⇐ button to return to preview screen.

Mute Mode: The LED and buzzer of remote control is off. There is not LED flash or beep sound when the emergency recording is triggered.

Warning Mode: The LED and buzzer of remote control is on duty. When the emergency recording is triggered, LED will flash rapidly, and the buzzer will continuously produce a 2-senond beep sound one after the other until the interval recording is finished.

Note:
1. Park Recording Mode: It's continuously recording. The recorded file will be saved in the "Video" folder. And the emergency recorded file will be saved in the "Emergency" folder.
2. Vibration Detection Mode: It's standby mode. Record only when vibration is detected. The recorded file will be saved in the "Emergency" folder. When the recording is finished, it will enter standby mode again.
3. The file size is according to Record Interval setting.
4. The power bank is not included in the package. If needed, use waterproof and high temperature resistance product.

3.7 **Playback Video and Photo**

To playback the file, perform the following steps,

1. Press 🗐 button to stop recording and enter menu settings.

2. Press △/▽ button to select **Playback**, and press ⊙🛇 button to enter.

3. Press △/▽ button to select **Video** / **Emergency** / **Picture**, and press ⊙🛇 button to enter.

4. Press △/▽ button to browse the files, and press ⊙🛇 button to playback that file. Or long press ⟷ button to switch front and rear cam.

5. Press a few times of ⟷ button to back to preview screen.

3.8 **Delete Files**

To delete the file, perform the following steps,

1. Press 🗐 button to stop recording and enter menu settings.

2. Press △/▽ button to select **File Deletion**, and press ⊙🛇 button to enter.

3. Press △/▽ button to select file folder of **Video** / **Emergency** / **Picture**, and press ⊙🛇 button to enter. The screen will show below message,

Message	Description
Delete One	Delete the current selected file.
Delete All	Delete all files in this folder.

4. Press △/▽ button to select the file you want to delete, and press ⊙🛇 button to confirm your selection.

Note:
1. Deleted files CANNOT be recovered. Ensure the files you wish to preserve are backup before deletion.
2. If the file is taken by front camera and rear camera at the same time, no matter you delete video or picture from Front camera folder or Rear camera folder, both front camera file and rear camera file will be deleted.

3.9 **HUD**

The HUD function can check current riding speed, date/time and heading direction.
The HUD mode won't disturb the recording, nor the speed cam alert. There are
two ways to enter HUD mode.

1. Manually
In the preview screen, press ⓄⓀ button to enter. Press again ⓄⓀ button
to exit and back to preview screen.

2. Automatically
Turn on "HUD" function from "LCD Setting". Next time when the engine starts, the
host starts up, about 7 seconds it will auto enter HUD mode if there is no
operation on the host. When HUD mode is on screen, anytime press ⓄⓀ button
to back preview screen. If there is no operation in 7 seconds, it will enter HUD
mode again.

GPS Fixed   GPS Not Fixed
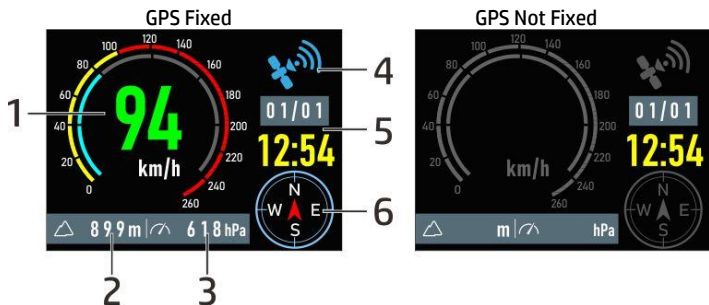
No	Description		No	Description
1	Current Riding Speed		4	GPS Signal
2	Altitude		5	Date/Time
3	Air Pressure		6	Heading Direction

Note:
HUD scale is only applicable when satellite positioning of the camcorder is ready; otherwise, they will be
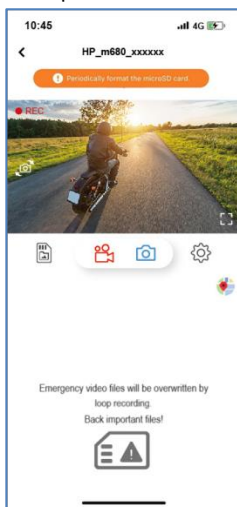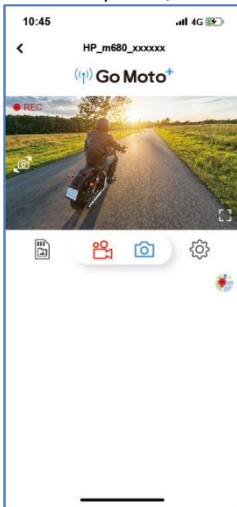displayed in gray scale only.

4. Use Go Moto Plus App

Tap [Go Moto Plus] [Go Moto] icon to activate the application. The main screen will pop up. Follow the below instruction to operate this application.

4.1 Camera preview, record, snapshot

You can use this feature to preview, record or take snapshot.

icon	Description
((ηρ)) Go Moto⁺ / ⚠ Periodically format the microSD card	Go Moto Plus logo / memory card message
	Preview
	Switch front and rear camcorder preview
	Full screen display

	Start/Stop Record
	Snapshot
	Camera File. Recorded files in microSD card.
	Camera Setting
Emergency video files will be overwritten by loop recording Backup important files	Note: The emergency videos folder in microSD reaches capacity, and will be overwritten by new recordings. Please back up important files. This message icon will eliminate after backup.
	Map and riding track

Note:
1. The App will auto sync the camera's date/time with your smartphone.
2. App layout and features are subject to change, depending on the software version. Refer to the Google Play Store or iOS App Store for the latest updates.
3. Android phones please download Google Offline Maps first. First, update Google Maps to the latest version, open the Google Maps app, click on the user account picture above, and click "Offline Area", select "Custom Area", select the area where you want to download the offline map, confirm and press "Download".

4.2 Playback, delete, download

You can use this feature to playback or delete the file saved in camcorder, or to download the file from camcorder to your mobile device.

1. Touch the icon [Camera File].

2. The files saved in the camcorder will be displayed on your smart phone. Camcorder will stop recording for a few seconds until your smart phone finishes reading the saved files from camcorder. There are three folders, Loop, Snapshot and Locked. The "F" and "R" letter at the right bottom corner of preview thumbnail stands for "Front camera" and "Rear camera". Tap the preview thumbnail to playback the file.

3. Tap the right top corner "Select" and pick up the files that you want to delete or download and tap below icon to execute.

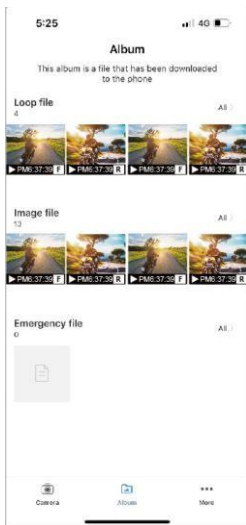| Icon	Description
	Download the file to smartphone.
	Delete file from microSD card.
	Downloaded file will mark as "Downloaded" on preview thumbnail. It can be opened from "Album" without Wi-Fi connection to the camera.

Note:
1. If recordings have no audio, check if Microphone is OFF in the menu. For video playback, we recommend VLC Media Player.
2. Deleted files cannot be recovered. Backup any important files before deleting them.
3. The snapshot is activated by app. The image file will be stored both in microSD card in the camera and "Album" folder of MUFU Video app. The file will be marked as "Downloaded" on preview thumbnail.
4. If you plan to download a large number of videos and photos, take out the microSD card and use PC/Mac.

4.3 Local Album

You can use this feature to playback or delete the file that you download in your smart phone. The file can be opened and reviewed without Wi-Fi connection to the camera.

1. Tap the icon 🖼️ [Album] below the home page. The camera will stop recording if it's connected with app.
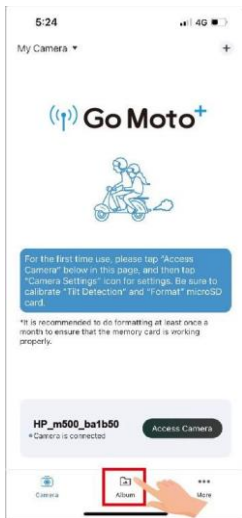
Tap the file from preview thumbnail to playback, delete or edit.
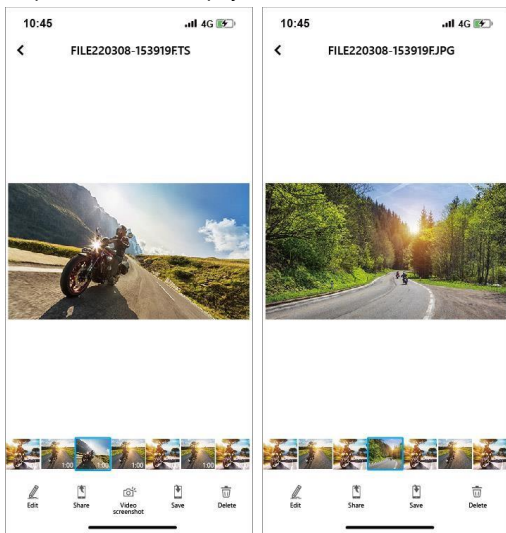
Icon	Description
✎ Edit	Edit the video or photo. (refer to next step for details.)
📱 Share	Share the video or photo to social media.
📷 Video screenshot	Video screenshot.
📥 Save	Save the video or photo to smartphone's album. When the file is saved, the screen will show a message of "Save to smartphone's album successfully." and smartphone's album will automatically create a folder named "Go Moto Plus".
🗑 Delete	Delete the file downloaded in App's Album. The file in the microSD card in the camera is still existed.

4.4 Edit Video or Picture

Open the downloaded file in "Album", then, tap ✎ Edit icon. The video or picture can be edited.

1. Edit video: Remove original audio/voice, and embed favorite music from the recommendations.
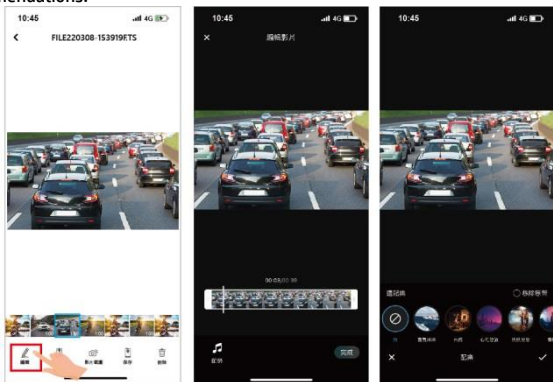
2. Edit picture: Crop the picture, or change the color of picture from recommendations.

4.5 Camera Setting

You can use this feature to set up your car camcorder.

1. Tap icon ⚙️ [Camera Setting].
2. Refer to the below table for details of menu items and available menu options.

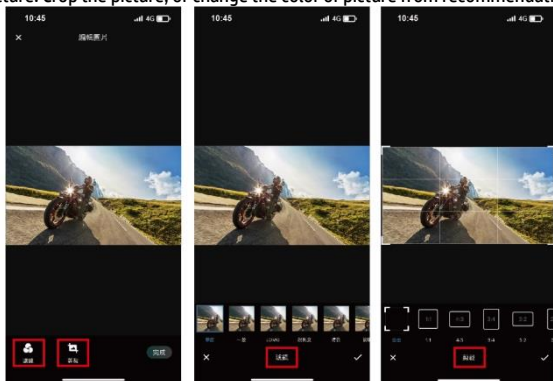| Menu Option	Description	Available options
Set Time Zone	To set up time zone in order to auto sync date/time once GPS is positioned.	GMT -12 ~ GMT +12
Speed Cam Alert	Turn on or turn off speed cam alert.	On / Off
GPS Broadcast	Turn on or turn off buzzer's beep sound for speed cam alert. * If turn off, there is no beep sound, but LED will flash rapidly and screen will show warning icon.	On / Off
Voice Record	Setting voice record in the video.	On / Off
Record Interval	Save respective video files in a length of the selected duration.	1 min / 3 min / 5 min
Tilt Sensor	When the host is installed completely, use this function to calibrate topple-over detection.	OK / Cancel
Emergency Recording	Enable/Disable emergency recording function. *The emergency recording folder is occupied 20% of memory card. Even it turns off, this capacity is still occupied. *Set up "Off" will turn off auto emergency, but the user still can hit the Remote Control button to activate emergency recording manually.	On / Off
Format	To format the memory card, all the files in the camcorder will be deleted.	Yes / Cancel
Speed Unit	Set up speed unit.	Km/h / mph
Car Speed Watermark	To turn on or off car speed watermark.	On / Off
Time Stamp	To turn on or off stamp on file. Stamp includes brand, model, car speed, location and date/time.	On / Off
Front Cam EV Setting	Set up Exposure Value of front camera.	+3, +2, +1, 0, -1, -2, -3

Rear Cam EV Setting	Set up Exposure Value of rear camera.	+3, +2, +1, 0, -1, -2, -3
LCD Setting	Set LCD off time or HUD mode. *Recording is not affected when screen is in HUD mode. *Recording is not affected when screen is off.	On/ Turn off after 7 sec / Turn off after 1min / HUD
Parking Mode	Set up parking mode.	Off / Park Recording / Vibration Detection
Parking Mode Alert	Set up warning alert in parking mode.	Mute Mode / Warning Mode
Wi-Fi Setting	To set up Wi-Fi password	
Default	Return to factory default setting.	Yes / Cancel
Firmware Version	Indicates the current camcorder's firmware version.	

5. **Specification**

Item	Description
Image sensor	Sony Starvis Sensor
Effective pixels	1920 (H) x 1080 (V)
Displayer	2" Color Displayer
Storage media	Supports microSD 16GB above and class V30 speed or greate
Lens	Wide Angle Fixed Focus lens Aperture: F/1.8
Focus range	1.5m~Infinity
Satellite System	GPS (External)
Video file	Front camera: 1080p/30fps HDR Rear camera: 1080p/30fps HDR
	Format: TS
Still image (Photograph)	Use app to take photo
	Format: DCF (JPG)
G-Sensor	3-Axis G-Force sensor
Wi-Fi	Built-in
App Supports OS	iOS 13 and higher, Android 9.0 and higher, Harmony 2.0 and higher
ISO	Auto
White Balance	Auto
Microphone	On remote control
Speaker	N/A
Buzzer	On remote control
Power	Super Capacitor
Operating Temperature	-10° ~ 60° C

Operating Humidity	20 ~ 70% RH
Storage Temperature	-20° ~ 70° C
Host Dimensions	80 x 50 x 22 mm
Host Weight	Approx. 148g

Built-in IEEE 802.11g/n(HT20) Wi-Fi chip: RTL8188FTV

Frequency range	2412~2462MHz
Wi-Fi Channel	Ch1~Ch11