

M6

Product Guide

Motowolf®

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FCC statement FCC ID:2AS8F-M6

This device complies with Part 15 of the FCC Rules: Operation is subject to the following two conditions:

1. This device may not cause harmful interference and
2. This device must accept any interference that is received, including any interference that may cause undesired operation.

This device is acting as slave and operating in the 2.4 GHz (2412 ~2462 MHz) band.

Ad Hoc function is supported but not able to operate on non-US frequencies. Do not use the device with the environment which below minimum -30 °C or maximum over 50°C .

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

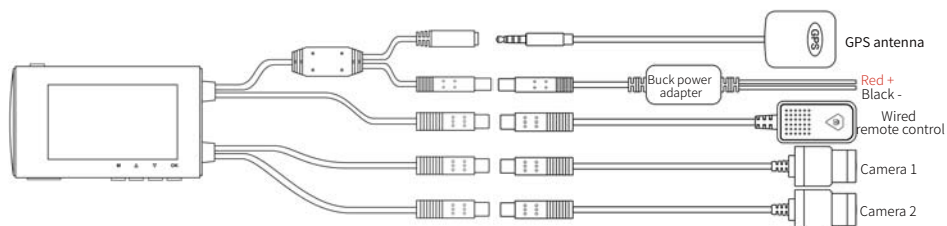
FCC RF Exposure Info:

Device must be installed and operated with a min separation distance of 30 mm to the user.

Quick Installation Guide

Quick Test

1. Connect camera 1 and camera 2 to the DVR.
 2. Connect the dedicated USB power cable to the power supply or a USB charger.
 3. After the machine is turned on, load the TF memory card and format the memory card in the setting list.
- If all goes well, you can start to install it on your motorcycle.



Test the power module before installation

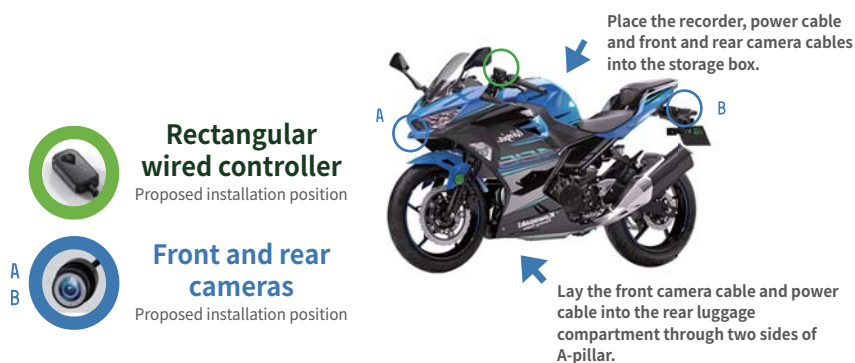
The red cable corresponds to the positive electrode (+) and should be connected to the ON positive of ignition switch under the motorcycle cover (usually the front cover).

The black cable corresponds to the negative electrode (-) and should be connected to the negative electrode of ignition switch.

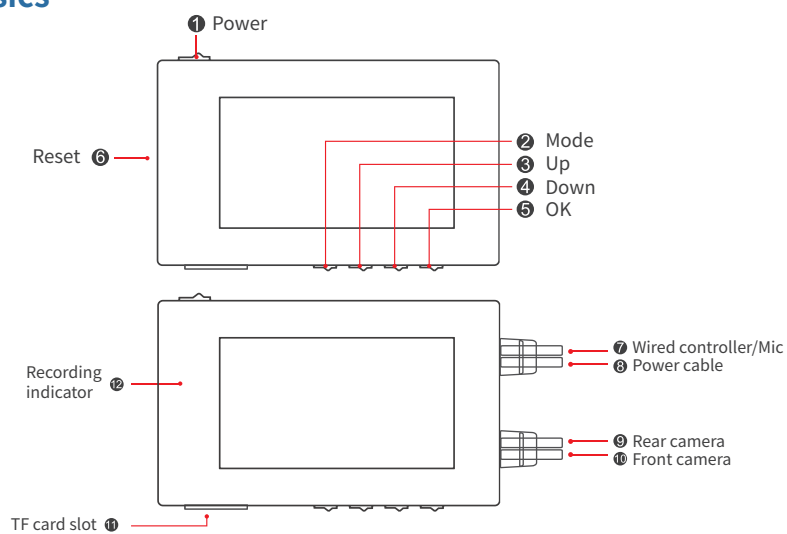
* As for a motorcycle powered by carburetor engine, connect the negative electrode (-) to the earthing conductor.

Installation Guide

1. Find proper positions for installing the front and rear cameras. Wired controller. GPS tracker and recorder (usually installed under the seat).
 2. Plan the route of camera cables before installation.
Wired controller cable. GPS tracker cable and power cable.
 3. Use 3M adhesive tape and screws to properly fix the components.
 4. Power module: Do not directly connect to the motorcycle battery.
Connect the recorder to the ignition switch controller cable.
- # This guide is for reference only. The actual installation may vary with motorcycles.
Consult a professional motorcycle repair shop if you have any problems with DVR installation.
- # Keep the recorder and camera cables far away from high-voltage circuits such as HID and spark plug.
- # As for a motorcycle powered by carburetor engine, replace with a proper type-R spark plug in case of any potential interference.



Basics



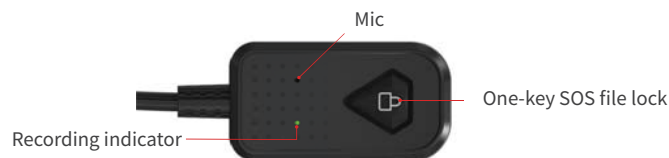
No Recording/Recording

- Power** Short press to turn on/off the screen
Long press to turn on/off the recorder
- M** In Standby mode, short/long press this button to switch between Play mode and system settings or go back to Standby mode.
- ◀** Short press to switch between front and rear cameras
- ▶** Short press to switch between front and rear cameras
- OK** Short press to start/pause recording

Play Mode

- Power** Short press to turn on/off the screen
Long press to turn on/off the recorder
- M** Short press to return to Standby
Long press to lock/unlock files
- ◀** Rewind
- ▶** Fast forward
- OK** Short press to start/pause video playing
Long press to delete video files

■ Wired Controller Operation (It is not recommended to enable "recording via Wi-Fi" as interference from the surrounding environment may affect the recording performance.)



One-key SOS file lock/Highlight: During recording, when Wi-Fi connection is available and the APP is started, short press to upload a 15s video clip (starts at 10s before pressing and ends 5s later after pressing) taken by the front camera and two photos (one from the front camera and the other from the rear camera at the time when the button is pressed) to the cellphone.

[Note] The 15s video clip feature applies only to front camera recording.

■ Recording mode

A. Short press the Video File Lock button: A 15s [Highlights] of the front camera and [Photos] will be automatically stored in the file folder of memory card. (The wired controller indicator flashes three times.)

[Note] (a) When Wi-Fi connection is available and the APP is started, the highlights will be automatically uploaded to the connected cellphone.

(b) If your cellphone is not connected to the recorder via Wi-Fi, the highlights will not be automatically uploaded to your cellphone after you have started APP. You can manually download the file or use a computer to download the file.

B. Long press the Video File Lock button: The video file will be locked and saved in the memory card.

(The wired controller indicator flashes three times.)

■ Standby mode

Long press the Video File Lock button to start recording (the wired controller indicator starts slow flashing); short press the Video File Lock button to take photos (one from the front camera and the other from the rear camera)

(the wired controller indicator fast blinks for three times)

Recording indicator status description:

Flash green: Front camera and rear camera are recording.

Fast flashing green (three times): Video file is successfully locked.

Steady green: No memory card; stop recording.

Flash red: Software upgrading.

Steady red: Memory card format exception; failed to start recording; and other exceptions.

Steady blue: Connected to a mobile APP.

■ Power Supply Installation Guide

Place the recorder, power cable and front and rear camera cables into the storage box.



Rectangular wired controller
Proposed installation position



Front and rear cameras
Proposed installation position

Lay the front camera cable and power cable into the rear luggage compartment through two sides of A-pillar.

▲ Attention

Ask a motorcycle store nearby to help install the power supply of video recorder.

It is important to note the distinction between the two cables for step-down transformer: the **positive electrode (+)** should be connected to the ON positive of ignition switch under the motorcycle cover, and the negative electrode (-) should usually be connected to negative under the front cover of the motorcycle. Actual cable connection may vary with motorcycles.

1. Both the **positive (+)** and negative (-) electrodes of motorcycle powered by injection engine are located at the ignition switch under the cover (usually the front cover).
2. For a motorcycle powered by carburetor engine, the negative electrode (-) is directly connected to the earthing conductor.

Attention

- ◆ As for a motorcycle powered by carburetor engine, install type-R spark plug to avoid interferences.
- ◆ While laying the cables, keep far away from high-voltage coil and HID transformer and try to lay these cables on the left side to avoid interferences.
- ◆ Install the cables downwards. While installing the recorder, paste the side or lay it horizontally. Make sure that the recorder and cables are not squeezed by other parts or components.
- ◆ Use insulating tapes to wrap up tool-less connectors for enhanced waterproof performance and good connection.



◀ Type-R spark plug

■ Product Operation

■ Play Mode

Press [Mode] in standby mode to switch to Play mode. Short press [Up/Down] to find the files for playback. Short press [OK] to play/pause a video file. Long press [OK] and short press [Mode] to exit Play mode.

■ Loop Recording

1. When the motorcycle starts, the video recorder will automatically start up and enable recording. The recording indicator flashes green.
2. After the motorcycle stalls, the video recorder will automatically save video files and shut down. The video files are segmented and saved in the TF card. When the TF card is full, the earliest video file will be overwritten.
3. The length of each segment is customizable. Options: Off/1 min/2 min/3 min/5 min.

[Note]

1. If 1 min/2 min/3 min/5 min is selected, the earliest video file will be overwritten when the TF card is full.
2. Videos captured by the front and rear cameras are respectively saved in file folders of the TF card.

■ One-key SOS File Lock/Highlight

A video file can be locked to prevent it from being overwritten. In recording mode, long press [One-key SOS File Lock] on the wired controller to lock the current video clip. During recording, when Wi-Fi connection is available and the APP is started, short press it to upload a 15s video clip (starts at 10s before pressing and ends 5s later after pressing) taken by the front camera and two photos (one from the front camera and the other from the rear camera at the time when the button is pressed) to the recorder.

■ Mic (On by default)

When enabled, the mic of wired controller will be used for voice pickup and recording.

■ Video Resolution (1080P by default)

Options: 720P/1080P. 1080P is recommended.

■ Camera Shutter Sound (On by default)

When enabled, a little shutter sound accompanies the snapping of the picture via short pressing the Video File Lock button.

■ Product Operation

■ Time Watermark (On by default)

When enabled, the current date and time watermark will appear on the completed videos.

■ Wi-Fi Switch (On by default)

When enabled, the recorder can be connected to a mobile APP.

■ Wi-Fi Info

When enabled, the recorder can be connected to a mobile APP.

■ Language (Traditional Chinese by default)

Options: Traditional Chinese/Simplified Chinese/English/Japanese/Korean/Russian/German/French/Italian/Spanish/Polish.

■ Screen Sleep (Off by default)

The screen can be turned off automatically during recording for low-power consumption operation.
Options: Off/10s/20s/30s.

■ Date/Time (It is recommended to adjust the recorder time to a correct one for the first use)

Short press [Up/Down] to adjust numbers; short press [OK] to confirm the setting and jump to the next setting; short press [Mode] to go back to the menu selection page.

■ LED Indicator (On by default)

When enabled, the indicator on the wired controller changes with the recorder status.

■ Touch Tone (On by default)

When enabled, a little sound accompanies the pressing of any button.

■ Formatting

The recorder supports formatting the memory card. All data in the TF card will be deleted after formatting.

■ Product Function

■ Wi-Fi

In Standby mode, short press [Mode] to switch to the System Settings page. Short press [OK] to enable the Wi-Fi function. After successfully connection with the cellphone, the indicator flashes blue, indicating that you can preview and download videos and change recorder settings in the APP.

Compatibility with iOS and Android

Download APP:

In App Store (for iOS users)/Google Play (for Android users), search MOTOCam, or scan the QR code below.



iOS MotoCam



Android MotoCam

※ A 3-min long file can be transferred in about 2 minutes.

The speed varies with the connections between the recorder and the cellphone.

Wi-Fi name format of M6: MotoCam-XXXXXX

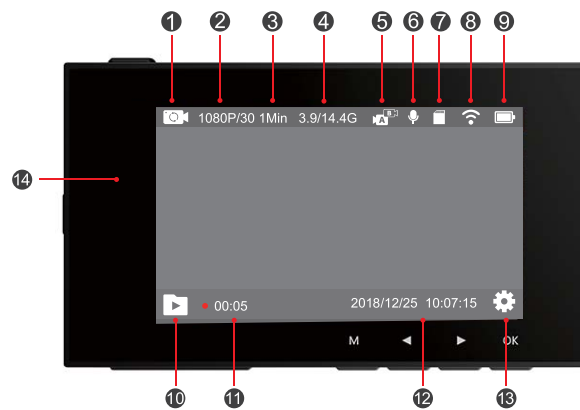
Default initial password: 12345678

If no Wi-Fi name matching with the format is found after waiting, press Reset on DVR to restart the recorder.

■ GPS Route tracking

Track your whole riding route on your mobile App, and lets you know where you've been. We suggest you to install it in an open air position to help receive signal.

■ Status



- | | | |
|--------------------------------|------------------|-----------------------|
| ① Recording/Lock file | ⑥ Mic | ⑪ Recording time |
| ② Video resolution | ⑦ Memory card | ⑫ Date/Time |
| ③ Duration of video recording | ⑧ Wi-Fi | ⑬ System settings |
| ④ Used/Available memory | ⑨ Battery status | ⑭ Recording indicator |
| ⑤ Display of front/rear camera | ⑩ Preview | |

■ Specifications

■ Specifications

Model	M6	Video resolution	Front camera 1920x1080/30fps
Screen	2.7" LCD screen		Rear camera 1920x1080/30fps
View angle	155° View angle (front and rear cameras)	Special-purpose lens	6G+IR filter F1.8 large aperture
Input power	5V	Loop recording	1/2/3/5 minutes loop recording
Input current	1.5A	Memory consumption	The size of a 5min video taken by the front and rear cameras will be 350 MB.
Battery capacity	420mAh	Working temperature	-20°C~70°C
Audio input	Voice pickup through wired controller Mic	File locking	Manual file lock with the wired controller
Video file format	H.264 MP4 files (separate folders for front and rear cameras)	Recorder dimensions	91x53.5x15.5mm
Memory card	Micro SD/8~256G	Weight	51g
Wi-Fi	2.4G/802.11b/g/n	Upload of locked files	Front camera (starts at 10s before pressing and ends 5s later after pressing)

■ Package Content

Recorder	1	Camera holder	2
Camera	2	Wired controller	1
Power cable	1	Warranty card	1

■ FAQ

■ What shall I do if the recorder does not record?

Possible reason: TF card exception.

Solution: Format or replace the TF card.

■ What shall I do if the recorder does not start up when it is already connected to a power supply?

Possible reason: The recorder enters upgrade mode.

Solution: Press Reset to restart the recorder.

■ What shall I do if there is no image or only the image from one camera?

Possible reason: The camera connector is not securely connected

Solution: Replug the camera.

■ How can I connect the recorder to Wi-Fi?

Wi-Fi name of M6: MotoCam-xxxxxx

Default initial password: 12345678

Use the same method with cellphone to connect the recorder Wi-Fi. After successfully connection with the cellphone, the indicator flashes blue, indicating that you can preview and download videos and change recorder settings in the APP. If the Wi-Fi name in the format above is unavailable after waiting, press Reset on the recorder to restart it and try again.

■ Will 2G/3G/4G cellular data be used when I operate M6 with a cellphone?

No. Your cellphone is connected to the recorder through Wi-Fi rather than 2G/3G/4G mobile networks. Therefore, it does not consume cellular data.

■ Why there isn't a progress bar displayed during manual software upgrade with the TF card?

The TF card needs to be formatted first, and then, the software program will be copied to the card. When the TF card with the upgraded software is inserted into a powered-on recorder, a progress bar will be displayed. After the progress bar percentage completed, the upgrade is finished.

■ What does a failure indicator mean?

If the cameras are not correctly installed and fail to record, the wired controller indicator will flash blue for 2s and stop for 1s, and repeat this cycle to inform the user of a failure.

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