Mini-G

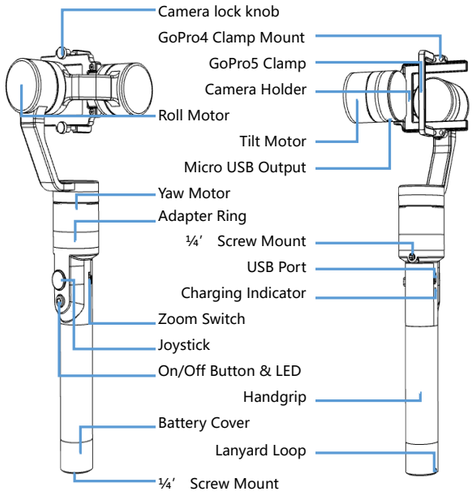
Quick Start Guide

V2.0

A In the Box

	186	Charger X1
Gimbal X1	GoPro4 Clamp X1	Start Guide X1

B Mini-G



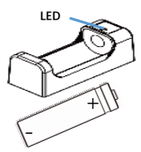
C Charge Battery

On-board Charging:

Insert the 18605 battery into the handgrip, connect the USB cable to the gimbal. Once connected the indicator light will turn red. It takes 5 hours to fully charge the battery. After the battery is fully charged, the indicator light will automatically turn off.

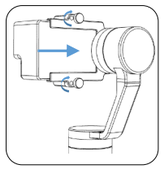
Charger:

Use the charger with the USB cable. Make sure the battery′ s positive terminal is facing the indicator side of the charger. It takes about 5 hours to fully charge the battery. When the charger light indicates green the battery is fully charged.



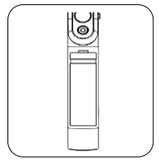
D Mount the GoPro5

1 . Loosen the camera lock knob to widen the camera holder.



2 . Attach the GoPro to the camera holder. Make sure the left side of GoPro is as close as possible to the tilt motor. Tighten the camera lock knob.

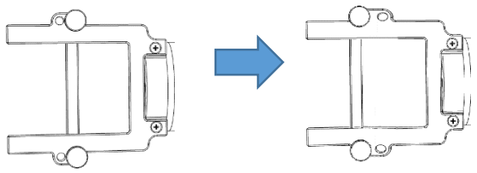
3 .Loosen the battery cover and insert the 18650 battery into the handgrip. Make sure the positive terminal is facing upwards. Then secure the battery cover to the handle.



⚠Note: The stabilizer will not function if the battery is install incorrectly or if the battery voltage is too low.

E Mount the GoPro3/3+/4

1. Detach the camera lock screw and the GoPro4 clamp. Move the camera lock screw to the GoPro4 clamp mount. Take the GoPro clamp from package and mount it on the camera holder.



2. Insert the GoPro4 into the camera holder. Move the GoPro4 to the right or left to adjust balance. If the GoPro remains level to the horizon with the power turned off balance is correct. Secure camera lock knob.

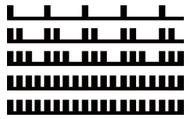
F Handgrip Button Functions

Joystick
Control the gimbal movements: Up/down/left/right, Pan/Tilt.
Single press: Yaw-follow mode, tilt and roll are Locked.
Double press: Yaw-tilt follow mode, roll are Locked.
Long press: All-lock mode, tilt, yaw, and roll are locked.
ON/OFF
Single press: Take a photo or start/stop recording;
Double press: Switch between front-facing camera and rear camera;
Triple Press: re-center the gimbal to its starting position;
Long Press: Turn on/off;
Zoom Switch
Up: Zoom in
Down: Zoom out
GoPro Micro USB Port
The GoPro micro USB port outputs 4.2V DC 500mA. Pass through video signal from GoPro to the USB port on the handgrip for video view on a standby monitor.

⚠Note: You can use those undefined button with MOZA-Assistant APP(currently only iOS version available).
⚠Note: GoPro USB Connection Cable and Video USB Output Cable are not included. For purchasing, check with an Authorized Moza Dealer.

G Light Status

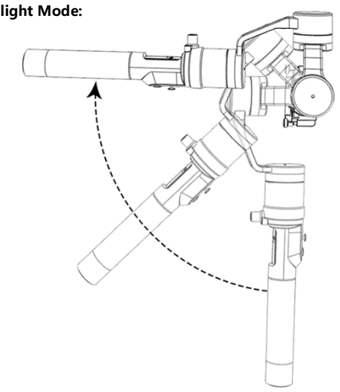
Yaw-Follow Mode:
Yaw-Tilt Follow Mode:
All-lock Mode:
Low Battery Level:
Firmware Upgrading:



⚠Note: To enter the firmware upgrade mode. Press and hold the joystick in, then press the On/Off button. The motors will not function during firmware upgrade.

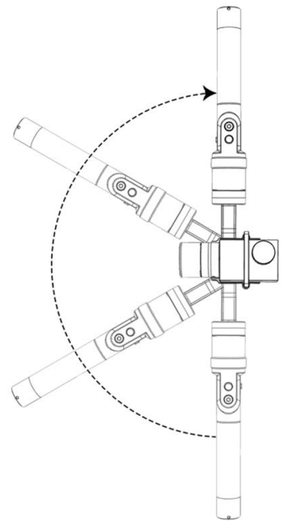
H Changing Operating Modes

Flashlight Mode:



Tilt the gimbal forwards by 90 degrees. The roll motor will rotate automatically from back to front.

Upright Mode:



Hold the tilt motor, rotate the handgrip around the roll motor by 180 degrees.

MOZA

CAPTURE THE WORLD

I MOZA-Assistant APP & GUI

Search MOZA Assistant in App Store and download the APP to your iPhone. For Mac and Windows user, please download the installation files on GUDSEN’ s official download page.

⚠ **Note: Driver installation is required for first time users on PC or Mac OS. Mac users will need to go to Gatekeeper’ s Settings, choose. Install Programs from Unidentified Developers, and select install from Allow from Anywhere**

J Sensor Calibration

Turn on Mini-G. and open the MOZA Assistant App from your phone. Connect the gimbal to your phone via Bluetooth connection. For desktop, use a USB cable to connect the gimbal to computer. Open the MOZA Assistant software.

Gyroscope calibration

Click “Motor” to turn off motors. Place the gimbal on a sturdy vibration free surface. You can use your smartphone or Mac/Windows computer:

1. Launch the MOZA Assistant App on your phone. Click “Calibration” and choose “Gyro Calibration” to start calibration. Click “Back” after the calibration is done.

2. Open the MOZA Assistant software on your computer. Click “Gyro Calibration” to start calibration. The computer screen will show “success” after the calibration is finished.

Accelerometer calibration

1. Click “Accelerometer Calibration” in the APP. Follow the on screen prompts, position the gimbal as shown in the prompts. Then click “Start”.
2. Click “Accelerometer Calibration” on your computer. Follow the on screen prompts, position the gimbal as shown in the prompts. Then click “OK”.

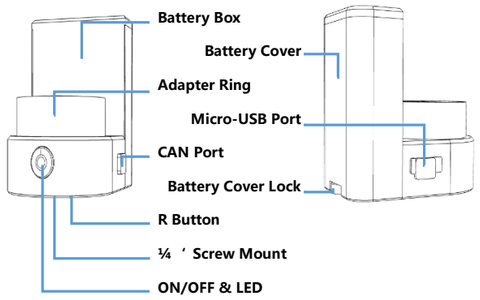
⚠ **Notes: It is recommended to keep the room temperature below 10 centigrade and keep the device still during the calibration vibrations will effect accuracy of calibration. Follow the 6 different position.**

K Upgrade Firmware

Press and hold the joystick. Then press the “ON/OFF” button once to start upgrading the firmware. During the upgrading process, the LED light will blink and the motors will power off. You can use either a smartphone or MAC/Windows computer:

1. Open the MOZA Assistant App on your phone. The APP will automatically enter the firmware upgrading interface. Click “Upgrade Firmware”.
2. Connect the gimbal to the computer with a USB cable and open the MOZA Assistant software. The APP will automatically enter the firmware upgrade interface. Click “Upgrade Firmware”.

L Wearable Kit (Optional Accessory)



The gimbal can be detached from handgrip and attached to the wearable kit.

⚠ **Note: After the Mini is attached to the wearable kit. The Bluetooth from the wearable kit and the detached handgrip will automatically pair. After pairing is successful, the handgrip can be used as a remote control. The handgrip can control the gimbal movements and switch the modes. The control range is 2~4 meters.**

The wearable kit concludes two 18350 batteries. Loosen the lock screw, insert the two batteries into the battery container. Pay attention to polarity of the batteries. Put the battery cover on and tighten the lock screw.

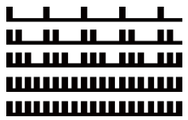
Use the USB charging cable to charge the wearable kit. It will take 5 hours to fully charge the batteries. The indicator light will flash green when it is fully charged.

On/Off Button:

Single press: Take a photo or start/stop recording;
Double press: Switch between front-facing camera and rear camera;
Triple Press: re-center the gimbal to its starting position;
Long Press: Turn on/off;

Light Status :

Yaw-Follow Mode:
Yaw-Tilt Follow Mode:
All-lock Mode:
Low Battery Level:
Firmware Upgrading:



⚠ **Note: The motors will not function during the firmware upgrade. To enter the firmware upgrade mode Press the R button at the bottom, then press the On/Off button.**

M Specs

Gimbal

Weight:	330g
Dimensions:	300*90*35mm
Max Payload：200g	
Supported Device Dimensions：	GoPro3—GoPro5
Tilt Angle：	360°
Roll Angle：	360°
Yaw Angle：	360°
Working Voltage：	3.5—4.2V
Dynamic Current：	800mA
Static Current：	100mA
Battery Life：	≥4 hrs
Bluetooth：	Bluetooth4.0, Range: 5 meters
USB Input：	Micro USB 2.0

Battery

Type：	lithium-ion
Model：	18650
Capacity：	2600mAh
Output Voltage：	4.2V (max)
Output Current：	2A (max)

Charger

Input Voltage：	5V
Input Current：	1A (min)
Output Voltage：	4.2V
Output Current：	500mA
Charging time：	5hrs

N Warranty

Warranty Terms

The gimbal and charger are covered by a 12-month warranty. The motor and battery come with a 3-month warranty. The one-year limited warranty does not apply to consumable parts such as the user manual, USB cables, and outer box. Shipping costs are not covered.

Returns and Refunds Policy

Within seven (7) calendar days of receiving the product, buyers can contact us via email for an authorization for return, exchange or repair.

Exchange & Repair

If the product has manufacturing defects within 15 calendar days of purchasing the product can be exchanged. The replacement applies only to the gimbal. Other accessories without qualifying issues are not covered.

Warranty repair service will not be provided if the conditions are:

1. Warranty expired;
2. No legal proof of purchase, receipt or invoice is not provided;
3. Product labels, serial numbers, waterproof marks, etc. show signs of tampering or alteration.
4. Any damage of the product is caused by unauthorized use or modification of the product.
5. Damage is caused to the product by uncontrollable external factors.
6. Damage is caused by improper usage and maintenance.

FaceBook

MOZA-Assistant for iOS

Tech-Support : SUPPORT@GUDSEN.COM

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