

Mini-P

User manual

CONTENTS

EN.....1

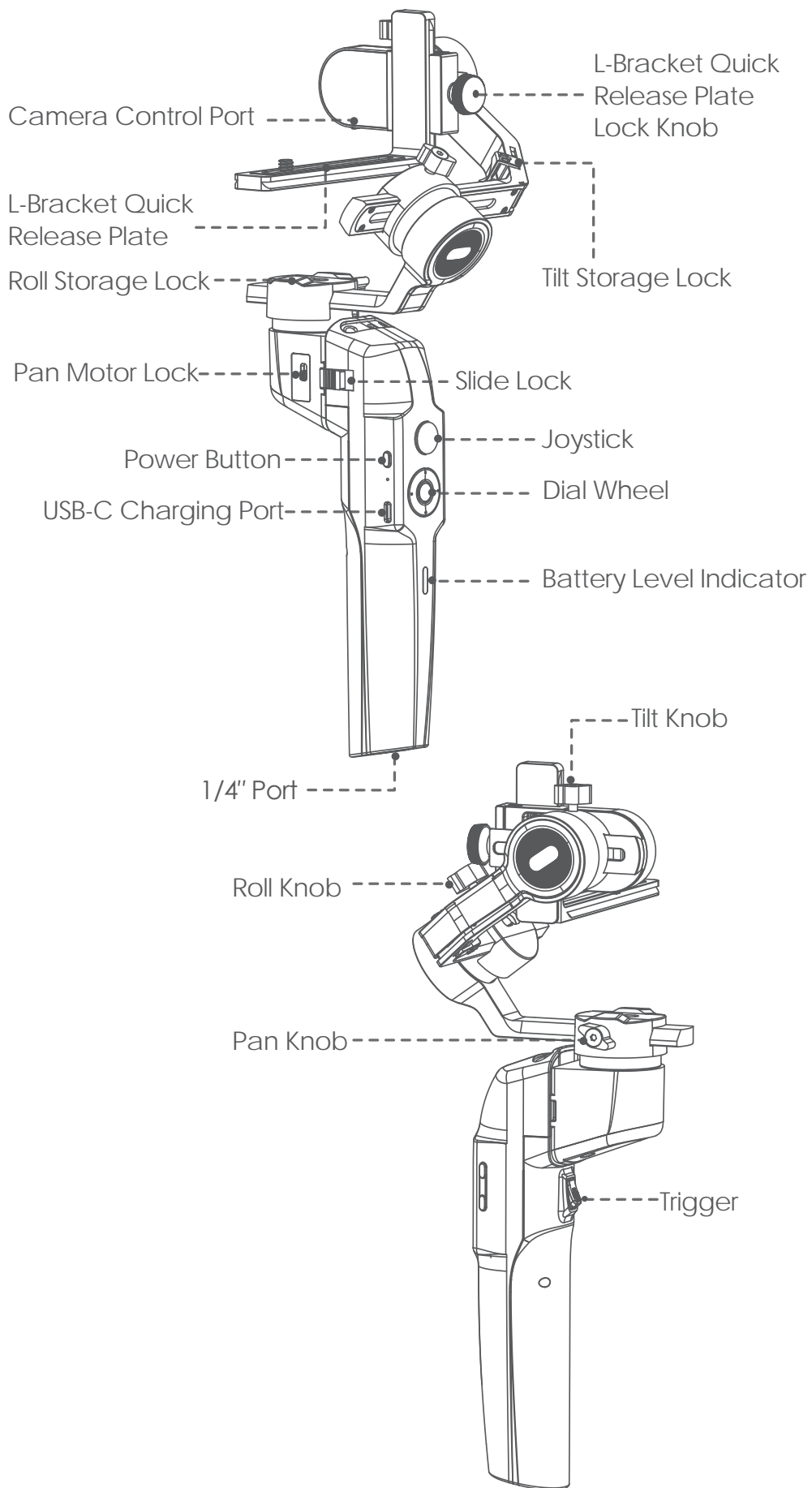
Battery and Charging

The MOZA Mini-P has a built-in lithium battery. Fully charge the battery before first use. The LED power indicator blinks when the battery level is less than 20%. Charge it with an universal USB-C cable, Mini-P can be charged through a phone charger and mobile power supplier. The charging stops automatically when the battery is fully charged.

Notes:

1. Please do not over-charge or over-discharge the battery. Otherwise the battery will be damaged;
2. Recharge and discharge the battery every 3 months to keep it intact if it is left unused for a long time.

Mini-P Overview



Mini-P Installation

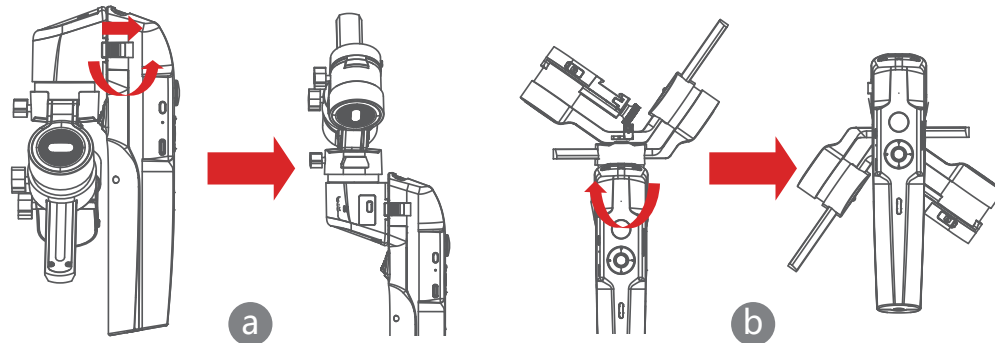
- **Expanding and Folding the Mini-P main body**

a. **Folded Status**

Slide the slide lock and rotate the gimbal 180° anticlockwise. Then it locks automatically.

b. **Expanded Status**

Slide the slide lock and rotate the gimbal 180° clockwise. Then it locks automatically.



- **Storage and Expand the Mini-P**

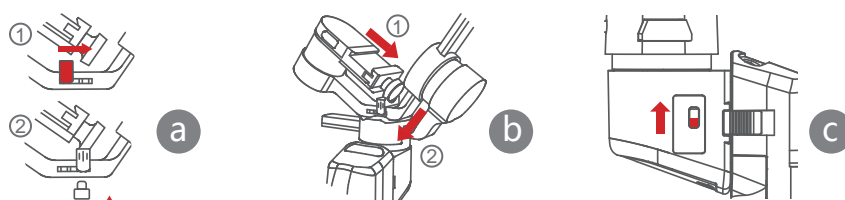
Mini-P is equipped with three axes storage lock for gimbal storage, to protect from constant movement.

a. Slide the tilt storage lock on the roll arm (Picture a), slide the tilt arm downwards (Picture b), place the L-Bracket lock knob into the tilt storage lock groove, then the tilt motor storage is complete.

b. Slide the roll arm downwards, place the roll arm between the 2 bosses on the silicone sleeve of the pan motor (Picture b), then the roll motor storage is complete.

c. Slide the pan motor lock upwards (Picture c) then the pan motor storage is complete.

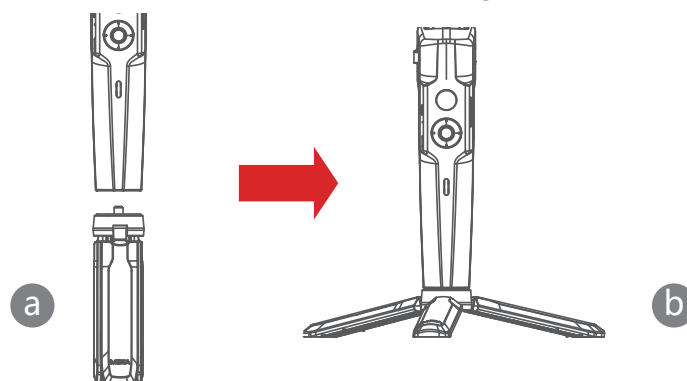
Reverse the above steps to expand the gimbal



- **Attaching the Tripod**

a. Screw the tripod tightly into the 1/4" hole at the bottom of the gimbal.

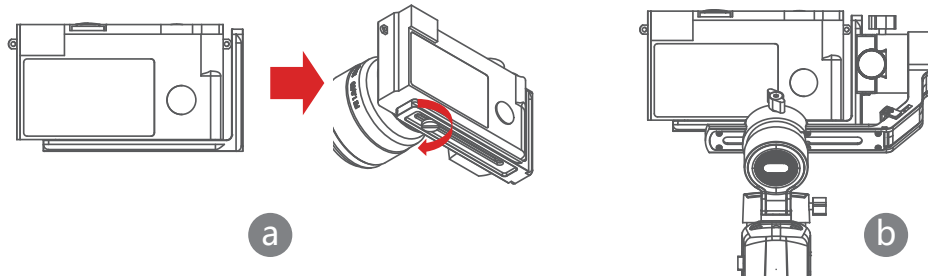
b. Extend the three support feet, place the gimbal on a flat surface



• Mounting the Camera

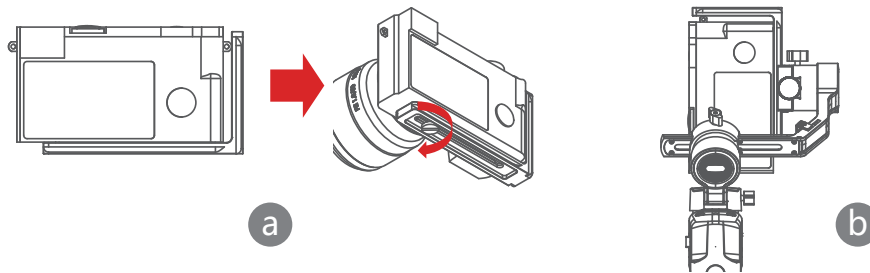
Horizontal Mounting

- Place the longer side of the L-Bracket under the camera, and secure the camera with a 1/4" screw.
- Loosen the L-Bracket quick release plate lock knob, slider the shorter side of the L-Bracket quick release plate into center of the quick-release base, then lock the knob.



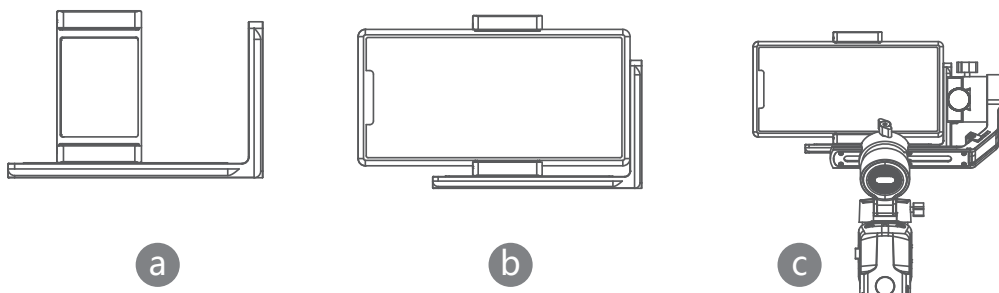
Vertical Mounting

- Place the longer side of the L-Bracket under the camera to secure it, and lock the camera with a 1/4" screw.
- Loosen the L-Bracket quick release plate lock knob, slider the longer side of the L-Bracket quick release plate into center of the quick-release base, then lock the knob.



• Mounting the Mobile Phone

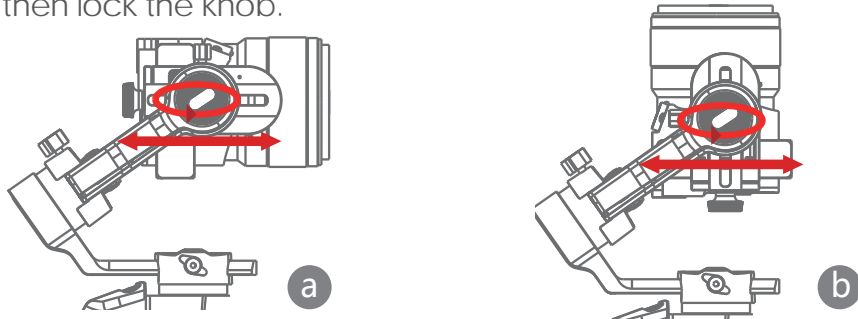
- Fix the phone holder on the longer side of the L-Bracket quick release plate with 1/4" screw, make sure that front side with clips is backward;
- Put the phone in the phone holder, ensure that the clips do not touch the power key or volume key;
- Loosen the L-Bracket quick release plate lock knob, slider the shorter side of the L-Bracket quick release plate into center of the quick-release base, then lock the knob.



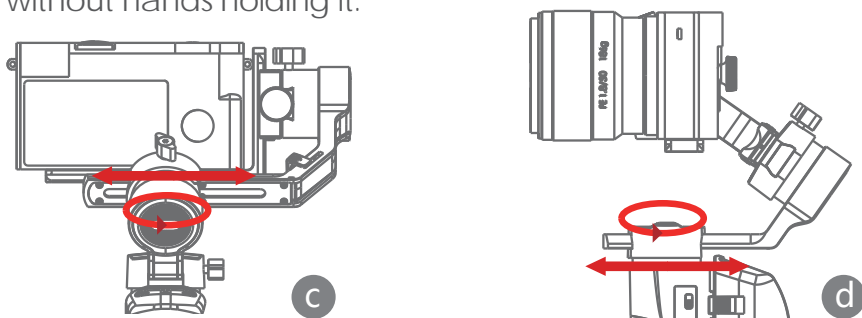
⚠ Note: Please hold your phone or camera tight when loosen the L-Bracket quick release plate lock knob and remove the L-Bracket quick release plate to prevent the camera or mobile phone from falling to the ground.

Balancing

- Loosen the tilt knob, and adjust the tilt arm back and forth until the lens is horizontally forward, then lock the knob.
- Rotate the camera until the lens is facing up, loosen the L-Bracket quick release plate lock knob, and adjust the L-Bracket quick release plate back and forth until the lens is straight up (leveled), then lock the knob.



- Loosen the roll knob, adjust the roll arm left and right until the roll arm remains horizontal, then lock the knob; The camera or phone should be leveled and can be positioned in any direction (up or down) and it stays there.
- Hold the stabilizer horizontally and make the pan arm parallel to the ground, then loosen the pan knob, adjust the pan arm left and right until the pan arm remains horizontal, and then lock the knob. Your camera or phone should be leveled and can be move to any direction (tilt, pan, roll) and stays on that position without hands holding it.



! Note: When adjusting the balance of an axis, please unlock the motor lock of the axis first, otherwise it cannot be adjusted accurately; if the balance is not adjusted accurately, it will cause the abnormal motor work, motor overheat, unstable video, unavailable of certain functions, and also shorten battery life, please make sure it is completely balanced before turning on the gimbal.

Connecting camera or mobile phone

- After the camera is installed, you can use the camera control cable to connect the gimbal and the camera, and you can control the gimbal through the MOZA Master App. You will need to balance with the camera control cable attached.
- After the mobile phone is installed, use the MOZA Genie App, connect the gimbal, and you can take photos or videos through the gimbal.

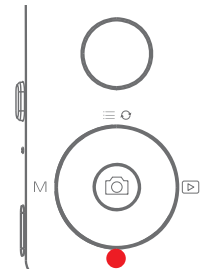
NOTE: For camera functions and features, please use Moza Master App. For Phone controls, please use Moza Genie App.

Button Features

Simplified Operation

Down Button

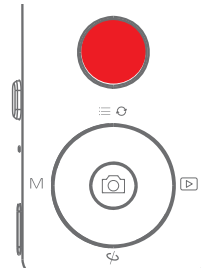
- Double press: Sports Gear Mode
- Triple press: Inception Mode



Joystick

- Move upwards: phone camera turns up
- Move downwards: phone camera turns down
- Move leftwards: phone camera turns left
- Move rightwards: phone camera turns right

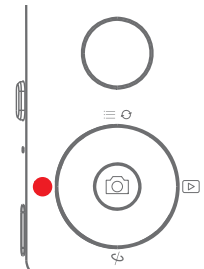
The speed of camera moving increases with the larger moving range of joystick



Follow Function

- Left Button

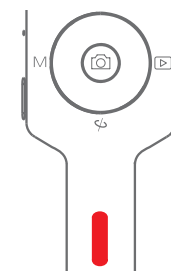
Press twice the left button: FPV mode. Press twice again to stop



Check the Battery Level

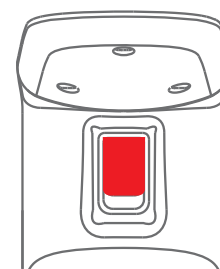
Battery Level Indicators

- Three blue LEDs on: 70%-100% battery level
- Two blue LEDs on: 40%-70% battery level
- One blue LED on: 20%-40% battery level
- Blinking: below 20% battery level
- Solid red light: Charging
- Red light off: Charging completed

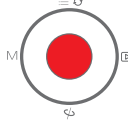
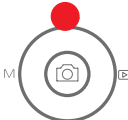
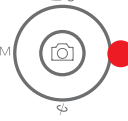
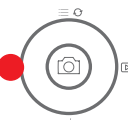



Trigger

- Double press: Re-center
- Press once+hold: Switch to tilt follow
- Double press+hold: Switch to All-locked



Control via Mobile Phone (once paired through MOZA Genie App)

	Press the center button once: start/ stop recording (only valid in video mode)
	Press twice the center button during recording: take one photo (in video mode)
	Long press the center button:confirm to move timelapse point (in advanced timelapse mode)
	Press the top button once: open the menu Press twice the top button: switch to video mode/photo mode Long press the top button for 3s: switch to front camera/ rear camera
	Press the right button once: photo playback in album. Press once again to return to the camera
	After the completion of timelapse points setting, long press the right button: start/stop advanced timelapse shooting (in advanced timelapse mode)
	Double press the down button: Sport gear mode
	Triple press the down button: Inception mode ($\pm 115^\circ$)
	Press twice the left button: FPV mode Press twice again to stop
	Hold the top focus button: Focus+ Double press the top focus button: Automatic uniform focus+
	Hold the down focus button: Focus- Double press the down focus button: Automatic uniform focus-

Functions Description of the Gimbal

- **Control the camera or phone to record a video or take a photo**
 - a. Install the camera on the gimbal, then you can use the shutter control cable to connect the gimbal and camera. Press the center button once to take a photo in photo mode. Press the center button once to start/stop recording in video mode.
 - b. Install the phone on the gimbal, then turn on the MOZA Genie App and connect the gimbal to the MOZA Genie App. Press the center button once to take a photo in photo mode. Press the center button once to start/stop recording in video mode.
 - c. Double press the top button to switch the video mode/photo mode
- **Mimic Motion Control**
(requires 2 smartphones: one on gimbal and one to control the mimic. If plan to use the camera on gimbal, only one smartphone is required)

- a. Place the smartphone on the Gimbal through the phone holder;
- b. Use a 2nd smartphone and pen the "MOZA Master App, connect it to the gimbal and enter Mimic Motion Control Mode;
- c. Rotate the 2nd phone and it will control the movement of the gimbal.

- **Timelapse**

Use the MOZA Master App or MOZA Genie App to connect the gimbal, select "Creative video" button and there will be multiple timelapse modes for shooting.

- **Bidirectional Start**

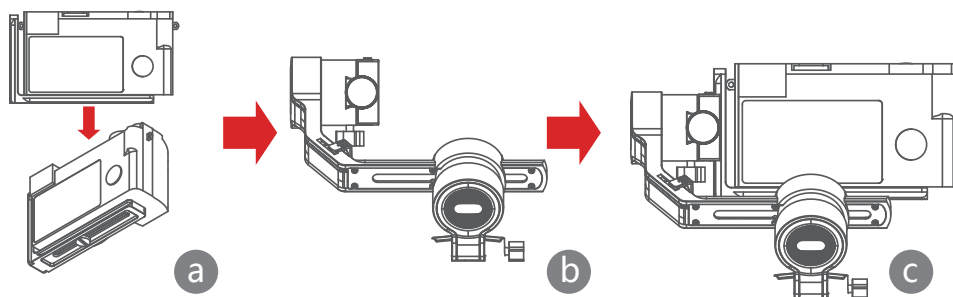
By default, we mount the camera handle near the tilt motor so that the camera control port can be exposed. But in some special cases, we need to mount the camera control port near the tilt motor for normal use.

The following situations will require reverse mounting:

- a. The camera is too wide for forward mounting.
- b. The lens used is too heavy to be balanced when forward mounting.

Reverse mounting steps:

- a. Place the shorter side of the L-Bracket next to the lens and mount it on the bottom of the camera;
- b. Rotate the roll axis 180° around the roll motor, then the tilt motor will be on the left of the roll motor.
- c. Mount the shorter side of the L-Bracket to the quick release baseplate.



- **Object Tracking**

Mount the phone on the gimbal, connect the Genie App to enter object tracking mode, select subject/object on the screen to be tracked and the gimbal will start object tracking shooting.

- **Inception Mode**

The Inception Mode is used to control the camera to rotate in the roll direction for shooting upside down and rotating footage. Triple press the down button on the dial to enter the Inception Mode. Press the left/right button on the dial then the motor rotates to the left/right automatically.

Triple press the down button on the dial to exit the Inception Mode.

- **FPV**

Double press the left button on the dial to enter the FPV mode.

- **Firmware Upgrade via Mobile App:**

- a. When the gimbal is powered off, long press the center button, then press the power button with the other hand until the battery indicator start flashing (Boot Mode).
- b. Start the MOZA Master App, press Bluetooth to search for device then connect it.
- c. The App will automatically enter the firmware upgrade interface, After the firmware download is complete, click the "Upgrade" button to start the upgrade.
- d. After the upgrade is complete, turn the gimbal off and back on again. Then calibrate the gyroscope and accelerometer to get started. You can connect to the "MOZA Master App" to check the version number of the Mini-P.



Note:

1. Make sure the gimbal is fully charged and the computer or mobile phone network connection is normal during the upgrade.
2. Do not disconnect the gimbal from power, USB-C cable or Bluetooth during the upgrade, otherwise the upgrade will fail.
3. When using the App upgrade, the upgrade process takes a longer time, please wait patiently. Do not exit the app to the background, and do not turn off the screen to avoid upgrade failure.
4. If all fails, reboot the gimbal and try to upgrade again until the upgrade is completed.

- **Calibration**

The MOZA Mini-P needs to be calibrated when:

- a. The device works abnormally;
- b. There is a deviation in the horizontal angle after the gimbal is turned on (not leveled), and it is unable to resolve after one-click re-center;
- c. Deviation caused by the environment in which the gimbal is used.

Calibration method: Please scan the QR code at the end of the page for details.

- **Mobile App**

If you use the camera on the gimbal, you can scan the QR code to download the MOZA Master App, or you can search for "MOZA Master" directly in the mobile app store to download. (See App download QR code at the end of the page)



Note:

1. The mobile phone system supported by MOZA Master are iOS and Android.
2. Smartphone cannot be paired with the gimbal directly via Bluetooth. You must use the MOZA Master App to connect.

If you use a mobile phone on the gimbal, you can directly scan the QR code to download "MOZA Genie "(Android 5.0 or higher, IOS 9.0 or higher), or you can search for" MOZA Genie "directly in the mobile app store to download. (See the QR code at the end of the page)



Note

1. When using the Mini-P with a mobile phone to take photos, please use the app "MOZA Genie", which is customized for the Mini-P, so that you can use various functions of gimbal more creatively.
2. Please check for the latest version of the App, which is subject to update without notice. For updates or latest information, please visit MOZA's official website, WeChat subscription account and mobile application stores.

Product Specification

Specs	
Payload	900g/1.98lbs (Maximum)
Weight	710g/1.57lbs
Dimensions (mm)	Gimbal (folded): 165*200*100
	Gimbal (unfolded): 320*140*150
Supported Phone Size	58 ~ 88mm
Battery Life	12 (h)
Battery Specs	Standard Voltage: 7.3 V
Charging Time	1.5 (h)
Mechanical Endpoint Range	Pan : 360°
	Roll : 310°
	Tilt : 270°

FCC ID:2AMJR-MINIP

FCC Warning:

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

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 received, including interference that may cause undesired operation.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction