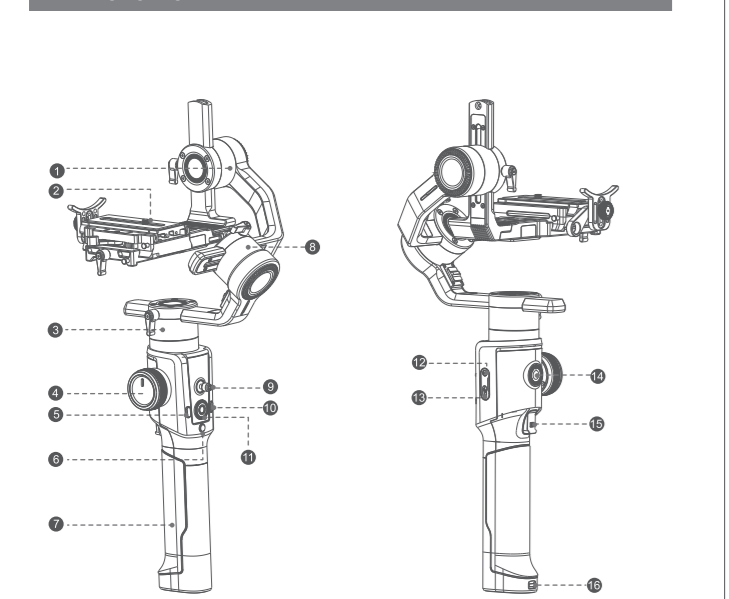


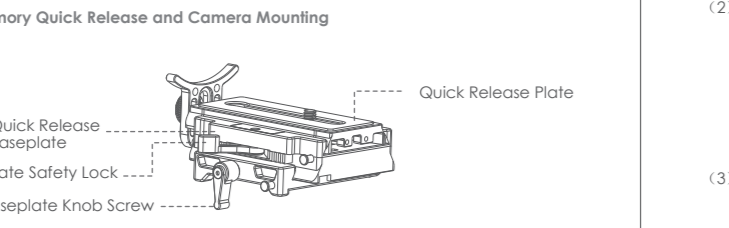
AIR 2 Overview



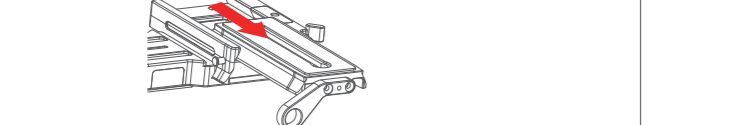
- 1 Tilt Motor
- 2 Memory Quick Release
- 3 Pan Motor
- 4 Dial
- 5 Mode Button
- 6 Power Button
- 7 Battery Patch
- 8 Roll Motor
- 9 Joystick
- 10 Follow Speed Button
- 11 Smart Wheel
- 12 USB Type-C Port
- 13 3/8" Extension Port
- 14 Smart Trigger
- 15 Battery Patch Switch
- 16 DC Input Port

Getting Started

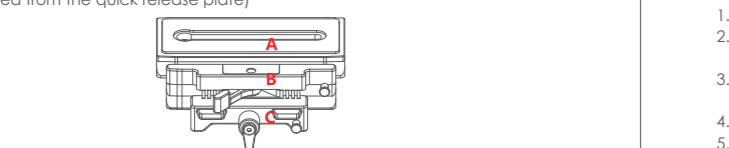
1. Memory Quick Release and Camera Mounting



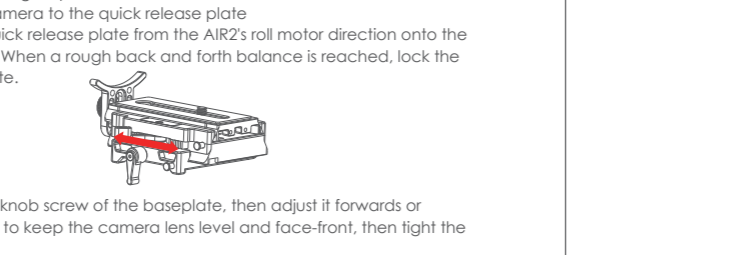
The quick release plate of MOZA Air 2 is designed in a unique way and can be installed and removed from both the front and back sides. Even after the follow focus and other accessories are installed, the quick release plate can also be directly installed on other equipment with Manfrotto plate. There is a preventer pin on the left and right of the Air 2 quick release plate, the preventer pin on the left can prevent the quick release plate from sliding down, and the preventer pin on the right is used for positioning. When installing the quick release plate, the quick release plate needs to be moved until it cannot be moved on the preventer pin on the right side.



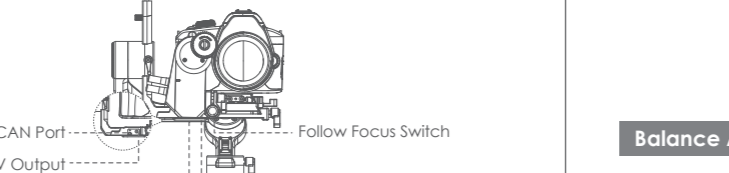
Memory Quick Release System Setting
The AIR2 gimbal has a three-layer design as shown on image. The position of the quick release plate onto the baseplate is fixed. As long as users adjust image. The position of the baseplate and lock it after the first use, the quick release plate and camera can be directly mounted onto the baseplate without balance adjustment the next time. (on the condition that the camera is not removed from the quick release plate)



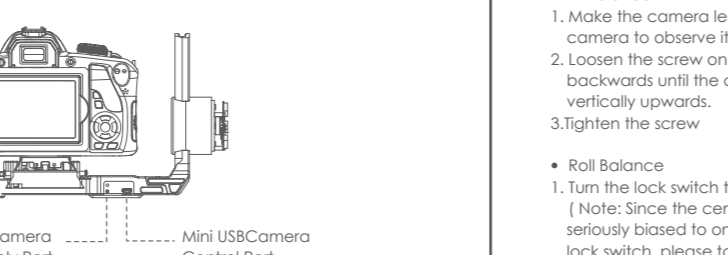
2. Follow Focus Mounting



1. Surround the follow focus gear ring onto the lens focus ring.
2. Revolve follow focus tube into the mounting hole on the right side of the gimbal.
3. Loosen the red knob, attach it onto the mount tube, adjust the direction to make the follow focus teeth and the gear ring bite closely.
4. Connect the gimbal and follow focus with a 3.5mm CAN cable.
5. Switch the smart wheel to F mode, rotate the wheel to control the follow focus.



3. Camera Control Cable Mounting

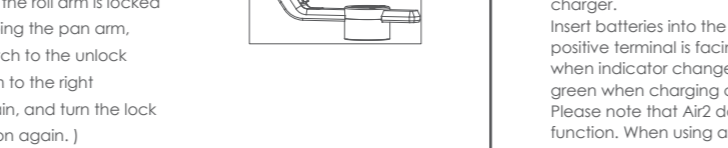


AIR2 has 3 camera control cables for camera recording control. One cable end is an elbow Mini USB interface, which is inserted into the AIR2 camera control port, the other end is the Mini USB port, Multi port or 2.5mm audio port, respectively corresponding to Canon, Sony and Panasonic camera.



Balance Adjustment

Locking roll axis
1) Turn the lock switch to the lock position and turn the roll arm to the right orthogonal position, at which time the roll arm will lock automatically. (Note: If the roll arm is locked at the position overlapping the pan arm, please turn the lock switch to the unlock position, turn the roll arm to the right orthogonal position again, and turn the lock switch to the lock position again.)



3. Camera Control Cable Mounting

Tilt Balance
1. Make the camera lens vertically upward, release the camera to observe its tilt direction.
2. Loosen the screw on tilt arm, slide the tilt arm forwards or backwards until the camera keeps still when the lens is vertically upwards.
3. Tighten the screw



Roll Balance
1. Turn the lock switch to the unlock position. (Note: Since the center of gravity of the roll pan may be seriously biased to one side, if it is difficult to toggle the lock switch, please toggle the lock switch with force and shake the roll arm with the other hand, the lock switch will be easily toggled.)
2. Loosen the screw on roll arm, move the roll arm leftwards or rightwards until it keeps level
3. Tighten the screw.

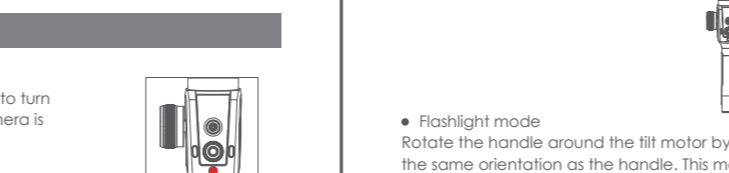


Battery Use

1. Battery Charging
Battery charger comes with 4 slots, each slot packs one piece of 18650 battery to charge at the same time. The charger provides 500ma of charging current for each battery, so you need to select a power adapter that outputs not less than 5V 2A for use by the charger. Insert batteries into the battery slots. Make sure the positive terminal is facing upwards. Charging starts when indicator changes to red and the indicator turns green when charging completes. Please note that Air2 does not have a charging function. When using an external power supply, it can only supply power to the Air2 and cannot charge the installed battery.

2. Battery Installation

1. Make the camera lens vertically upward, release the camera to observe its tilt direction.
2. Loosen the screw on tilt arm, slide the tilt arm forwards or backwards until the camera keeps still when the lens is vertically upwards.
3. Tighten the screw



Basic Operation
1. Turn on/off
Long press the power button for 3-5 seconds to turn on/off the gimbal. Please make sure the camera is balanced before powering on MOZA Air2.
2. Gimbal Control
Put the joystick up or down control the movement of the tilt axis, and push it left or right to control the movement of the pan axis. This operation is the default setting for the joystick, the function of the joystick can be changed by modifying the mapping of it. Press smart trigger twice to re-center the gimbal. The function of the smart trigger can be changed by modifying the mapping of it.



3. Follow Modes

Press Joystick once to turn enter/exit follow, double press to enter/exit pan follow, Press and hold the joystick to enter/exit roll follow.
Air2 preset three levels of following speeds: fast, medium and slow. click the Follow Speed button to switch among the three speeds. Long press and hold the Follow Speed button, Air2 will enter to a super follow mode and can rotate in a rapid direction. Press and hold the smart trigger to exit the following of all axis and quickly enter to all-lock mode.

4. Different Operating Modes

There are three operation modes for the Air2 to deal with shooting in different scenes.
Vertical mode
The camera is located above the gimbal and the battery handle is located below. The tripod can be installed under the battery handle to extend the handle and place the gimbal, which can satisfy most usage scenarios.



Flashlight mode
Rotate the handle around the tilt motor by 90 degrees to make sure the lens in the same orientation as the handle. This mode can effectively control the size of the gimbal and facilitate movement when traveling in a long and narrow space.

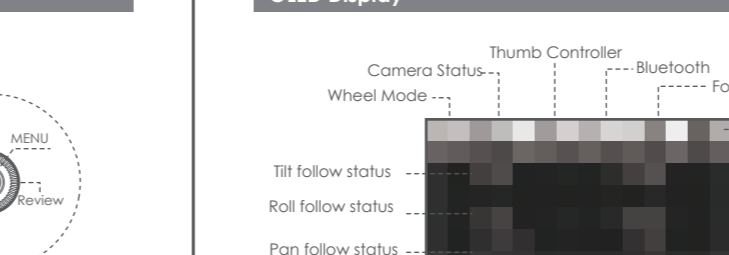


Underslug mode

Rotate the handgrip around the roll motor to 180 degrees above the camera. The camera can be as close to the ground as possible to capture the effects of landing flight and rocker arm in underslug mode.



Buttons



Buttons:

Press	Start/Stop	Speed	SmartKey	Roller Mode	Roller
One	Start/stop recording	Follow speed	---	Smart wheel modes switching	Focus
Double	Photo taking	---	Re-center	---	Zoom
Long press	ON/OFF	---	All lock	---	Roll control

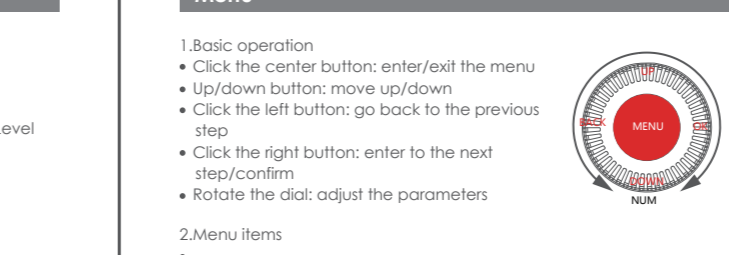
Joystick:

Press	Up	Down	Left	Right	FollowMode
One	---	---	---	---	On/off tilt follow mode
Double	Tilt axis up	Tilt axis down	Pan axis left	Pan axis right	On/off pan follow mode
Long press	---	---	---	---	On/off roll follow mode

Dial:

status	Press	Tv	Av	ISO	Review	Menu	Rotation
General	One	Shutter	Aperture	ISO	Preview	Enter the menu	Adjust parameters
double	---	---	---	---	---	---	---
Long press	---	---	---	---	---	---	---
Menu	One	Select an item	Select an item	Back to the previous step	Enter the next step	Exit the menu	Adjust parameters
double	---	---	---	---	---	---	---
Long press	---	---	---	---	---	---	---

OLED Display



Wheel mode: click the mode button to switch different modes of the smart wheel
F: focus mode, in this mode, the wheel can control the follow focus
Z: Zoom in/out (not available now)
R: Roll control mode, the wheel can control the roll arm's rotation
Camera status: ready/recording
Follow mode: status of each axis, lock or follow. The number indicates the follow speed
Click the center button of the joystick to enter/exit the pan follow
Double click the center button to enter/exit the tilt follow
Triple click the center button to enter/exit the roll follow
Click the "speed" button to adjust the follow speed among level 20, 50, 80
Battery level: indicate the gimbal's battery level

Menu
1. Basic operation
Click the center button: enter/exit the menu
Up/down button: move up/down
Click the left button: go back to the previous step
Click the right button: enter to the next step/confirm
Rotate the dial: adjust the parameters

2. Menu items
camera
Set the camera type in AIR2 setting according to the camera you use. Currently support Canon(Canon 5D3 60D, etc) ,Sony(Sony A7s, A7S2, etc) and Panasonic(Panasonic GH4, GH5,etc). Other camera models need further testing.
▲ Note: Please choose the corresponding control cable to connect the AIR2 with your camera

Motor:
Motor-switch: Motor-switch: click the dial's right button to turn on/off the motor
Motor-power: Motor-power: motor power adjustment
Motor-power-level: Motor-power-level: 4 levels of motor power(Light, Medium, Heavy, Ultra heavy). For the lightweight camera like Sony A7S2, "Light" level is enough; For the heavier camera like 5D3, please choose "medium"
Motor-power>auto: If not sure which parameter to use, this item will automatically choose the most suitable ones
Motor-power>custom: Customize the motor power, 3 motors can be be adjusted. Select a motor, then turn the dial to adjust the power value
Motor-filter: Adjust the parameters of software filter
Motor-filter>target: Target speed
Motor-filter>feedback: Feedback speed
Motor-filter>output: Output torque

▲ Notes: Filter parameters should not be adjusted at will, which will affect the motor performance. If the camera is too light and still shakes when choosing "Motor-power>level>light", please reduce the filter output appropriately

Remote

Remote>speed: Adjust the speed of gimbal movement controlled by the joystick
Roller: Smart Wheel
Zoom: zoom in/out
Roll: Roll axis control
Focus: Follow focus
Follow focus>calibrate>start point: Start point calibration
Follow focus>calibrate>end point: End point calibration
Calibrate>gyro: Gyroscope calibration
Turn off the motors, place the AIR2 on the desktop. Enter the menu, press the dial's right button to select "gyro", wait for about 5s, "OK" pops out on the screen, then gyro calibration completes.
Calibrate>acc: Accelerometer calibration
Please make sure the gimbal is level. Mount the camera, turn on the camera level, then refer to the camera level to place the gimbal. Enter the menu, press the dial's right button to select "acc", wait for 5s, then acc calibration completes.
Profile>save: Save the current parameters
Profile>reset: Reset to the default parameters

Firmware Upgrade

Before the upgrade, make sure the AIR2 is fully charged and the computer network is normal.
Upgrade steps:
1. Download the upgrade software, install the AIR2 driver
2. Turn off the gimbal
3. Connect the gimbal to the computer with a USB Type-C cable
4. Long press the joystick, then click the power button with your another hand until the prompt "Boot Mode" appears on the screen.
5. Launch the upgrade software. The software will automatically identify the device and load the firmware. Click the "Upgrade" button and wait for about 10s. There will be progress indication during the upgrade process.
6. After the upgrade completes, unplug the USB cable and restart

PECS

AIR 2	
Weight (battery excluded)	1480g
Max product dimension	510*220*210mm
Max support dimension	Roll to release center: 100mm Tilt to release center: 110mm
Payload range	300—4200g
Mechanical angle	Roll: 270° Roll: 360° Pan: 360°
Battery life	8—14h
Bluetooth	BLE4.0
Data input	USB Type-C
Power input	DC5521 14.8V
Data output	Mini USB camera control 3.5mm Multi-CAN
Power output	DC5521 14.8V external power supply DC2mm 8V camera power supply/Multi-CAN-7.8V
Temperature	0--50°C

Charger

Dimension	95*98*27mm
Weight	95g
Power supply port	Micro USB
Input	5V 2A Mix
Output	4.2V 500mA * 4

Follow Focus

Dimension	115*65*30mm
Weight	200g
Load capacity	250mN*m
Battery type	Li-Pol
Battery capacity	600mAh
Working voltage	7.4V
Battery life	10h
Port	3.5mm Multi-CAN

Battery

Model	18650
Dimension	67*18.4 (diameter) mm
Voltage	3.4-2V
Type	Lithium
Capacity	2500mAh
Discharge rate	3C

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Dimension	95*98*27mm
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Discharge rate	3C

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: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

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.

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

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS exemptes de licence standard(s).

Son fonctionnement est soumis aux deux conditions suivantes:

- (1) cet appareil ne peut pas provoquer d'interférences, et
- (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.