



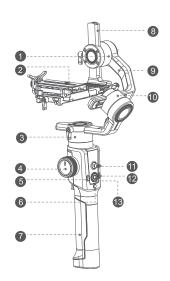
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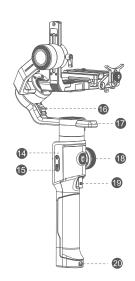
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	(701H × AA	

MOZA AIR 2 Overview





- 1 Tilt Motor
- 6 Power Button 11 Joystick
- 16 Roll Motor Lock

- Mechanical Memory Quick Release System
- 7 Battery Hatch 12 Fn Button
- Pan Arm

- 3 Pan Motor
- 8 Tilt Arm
- 13 Dial
- 18 3/8" Extension Port

- 4 Wheel
- 9 Roll Arm
- 14 DC Input Port
- 19 Smart Trigger

- M Button
- 10 Roll Motor
- 15 Tune/Firmware Upgrade Port
- 20 Battery Hatch Lock

AIR 2 Installation

Attaching the Tripod

2 screw holes are equipped at the bottom of grip: 1/4" for mini tripod and 3/8" for large accessories like slider and big tripod. Screw the mini tripod, then expand as shown below.



Installing Batteries



▲ Note: Please pay attention to the battery poles for fear of short circuit.

a. Hold the battery hatch slightly, push the lock downward, slide the hatch as shown below and then release the lock.



b. Insert the batteries one by one as shown.



c. Cover the battery hatch.



Mounting the Camera

The Air 2 quick release plate is equipped with 2 screws, select an appropriate one according to the camera type. There is no limit to the installing direction of the quick release plate. When mounting the camera, make sure the lens slightly extends beyond the quick release plate in order to reserve extra room for lens support and rod adaptor



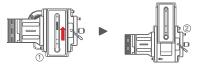
- After mounting the camera onto the quick release plate, loosen the lever A, then slide the quick release plate onto the baseplate. The quick release plate can be installed from both back and forth.
- Please make sure the safety lock 1 and 2 will eject once each, and a rough back and forth balance is reached.



 Press the safety lock 1, the quick release plate will be removed in the direction shown below



Press the safety lock 1, slide the plate as shown below, then press the lock 2 when the
plate is moved to the end. The quick release plate will be removed in the reverse
direction.



⚠ Note: It is recommended to use the lens support for the best effect.

Connecting Camera Control Cable

- 4 different control cables are stored in the tool box
- a. M3C-Mini cable: For cameras with Mini port like Canon 5D3, etc
- b. M3C-Micro cable: For cameras with Micro port like Canon 5D4, etc
- c. MCSC-Remote cable: For Panasonic cameras with 2.5mm port like GH3, GH4, etc
- d. MCSC-Multi cable: For Sony cameras with Multi port like A7s ${\mathbb I}$, A7 ${\mathbb I}$, etc
- e. MCSC-Multi/C cable: For Sony cameras with Multi port and USB power supply like A7s ${\mathbb I}$. A7 ${\mathbb I}$. etc

Connect the control cable to the CAM CTRL port on the Air 2 gimbal, and then the other end to the control port on the camera. The camera icon will be displayed on the OLED screen. Then parameters adjusting, video recording or photo taking, and follow focus can be directly operated on the gimbal.



Note:

- 1. For details of different cameras and lenses, please refer to the page 11.
- If USB control is not supported, the camera icon won't display on the screen, please choose your camera control protocol manually.



Installing the Support Rod

Please install the rod before using the follow focus.

Take out the rod adaptor, M3x10 screws, Allen wrench first. Fix the adaptor on the front or back of the quick release plate with M3x10 screws, then revolve the support rod into the adaptor.



When installed at the left side, please match the stud of the rod adapter and the screw hole of the support rod, then tighten the support rod counterclockwise.



When installed at the right side, please match the screw hole of the rod adapter and the stud of the support rod, then lighten the support rod clockwise.

⚠ Note: 1. Please install the support rod and rod adatptor according to the position shown above for fear of falling off. 2. Can't assiemble 2 support rods together as extending use

Mounting the Riser Plates

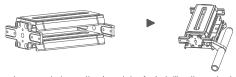
The riser plates need to be used in the follow cases:

- a. The camera is too short to balance the tilt axis
- b. The lens is too short to install the follow focus
- c. The follow focus needs to be installed for zoom



▲ Note: If the rod adaptor has been installed before mounting the riser plates, please remove the adaptor first.

Fix the riser plates in the screw holes on both ends of the quick release plate, then fix the other quick release plate onto the riser plates in the same way.



There are also screw holes on the riser plates for installing the rod adaptor.

Balance Adjustment

▲ Note: In order to make the adjustment easier, please refer to the balance check function of Air 2 on page 16.

Lock the Roll Axis

Move the roll motor lock to the lock end, rotate the roll arm to the position shown below, then the roll arm will automatically lock.

▲ Note: If the roll arm locks in the position overlapping the pan arm, please unlock the roll motor first)



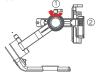
Balancing the Camera

- a. Mount the camera onto the Air 2, release hands to check if the camera is top or bottom heavy.
- b. If the camera is bottom heavy, loosen the knob to slide the quick release baseplate forwards until the lens points forward.
- c. If the camera is top heavy, loosen the knob to slide the quick release baseplate backwards until the lens points forward.
- d. Tighten the knob.



Balancing the Tilt Axis

- a. Rotate the camera so that the lens is pointing upward, release hands to check the direction in which the camera swings.
- b. Loosen the knob 1 on the tilt motor to slide the tilt arm 2 until the camera stays still without tiltina it up or down.
- c. Tighten the knob 1.



Balancing the Roll Axis

- a. Move the roll motor lock switch to the unlock end.
- b. Release hands to observe the direction in which the roll axis swings.
- c. Loosen the roll axis knob 1 to slide the roll arm 2 until the roll arm 2 stays still.
- d. Tighten the knob 1.



Balancing the Pan Axis

- a. Grab the Air 2 horizontally, make the pan arm level. Release hands to check the direction in which the camera swings.
- b. Loosen the knob 1 on the pan motor. Move the pan arm 2 leftwards or rightwards until it keeps level.
- c. Tighten the knob 1.



⚠ Note: If the balance of the pan axis is not adjusted properly, the pan axis may become hot, and the inception mode cannot be used properly.

Buttons and OLED Display

Button Functions:

Button	Operation	Function	Customizable Function						
	1 X	_	N/A	Focus	Photo		_		The same
	2 X	Re-Center	N/A	Re-Center	Selfie	_	_	_	The same
Trigger	3 X	Selfie	N/A	Re-Center	Selfie		_	_	The same
	Hold	Pan-Tilt Follow	N/A	Pan-Tilt Follow	All lock	Sport gear mode	FPV mode	_	The same
_	1 X	Video recording	_	_		_	_	_	The same
Power Button	2 X	Take photo					_	_	The same
DOTION	3s	ON/OFF						_	The same
Wheel	Turn	Focus motor 1	Facus motor 1	Focus motor 2	E-focus	Tilt axis	Roll axis	Pan axis	The same
M Button	1 X	Switch wheel modes		_	_	_	_	_	The same
	1 X	Sport gear mode					_	_	The same
Fn	2 X	Inception mode							The same
Button	3 X	FPV mode				_	_	_	The same
	3s	Auto tune		_		_	_	_	The same
	1 X	Pan follow					_		The same
	2 X	Roll follow					_	_	The same
Joystick	3 X	Tilt follow		_	_	_	_		The same
	Push Up-Down	Move the tilt axis	Tilt caxis	Roll axis	Pan axis	_	_	_	The same
	Push Left-Right	Move the pan axis	Tilt caxis	Roll axis	Pan axis		_	_	The same
	1 X	TV					_		Option-up
Top	2 X	Tilt follow		_	_	_	_	_	
Down	1 X	AV				_	_	_	Option-down
DOWII	2 X	Pan follow							
Left	1 X	ISO					_	_	Return
Fell	2 X	Roll follow		_		_	_	_	_
Right	1 X	Enter/Exit preview					_		Confirm/Next menu
	1 X	Enter the menu						_	The same
Menu Button	3 X	Language					_	_	The same
DOTION	3s	Sleep/wake up					_	_	The same
Dial	Turn	Follow speed	_	_	_	_	_	_	Adjust relevant
Combo	Joystick+Power	Upgrade mode			_	_	_	_	

Main interface

- A: Smart wheel working modes
 - (F1) Controlling external follow focus motor 1
 - (E) Controlling external follow focus motor 2
 - (FE) Flectronic follow focus

 - Controlling the tilt axis Controlling the roll axis
 - Controlling the pan axis
- B: Focus motor connection status. Icon will be displayed after connection, otherwise it won't be displayed. Up to two focus motors can be connected at the same time
- C: Camera connection status. Icon will be displayed after USB connection, otherwise it won't be displayed.
- D: Battery level, Each arid represents 25% battery level. When the battery is empty, please charge the battery in time.
- E: Follow speed value: 0-100. Turn the dial to adjust the value
- F. Follow status
 - 1: Lock. The axis locks and doesn't follow.
 - F: Follow. The axis follows.
 - Q: Sport Gear Mode



Menu Description

	T 10		Liv	lu e	h.c. i	
L1	L2	L3	L4	L5	Value *	Function
		Shutter Cable				set the connection type to universal shutter cable
		MCSC-Multi				set the connection type to Sony-Multi port
		MCSC-Multi/C				set the connection type to Sony-Multi port and power supply
camera		MCSC-Remote				set the connection type to Panasonic-Remote port
		M3C-USB			-	set the connection type to USB port
		ISO			32106400	
		TV			301/8000	
		AV			F1F22	Set the camera aperture
		switch			? /ok	turn on/off motor
			autotune	T.,	? /ok	tuning/tuned
				ultra light		set motor level to the minimum
				light		set motor level to light
			level	medium		set motor level to medium
		power		heavy		set motor level to heavy
	motor			ultra heavy	-	set motor level to ultra heavy
				tilt	0-100	set tilt motor power
			custom	roll	0-100	set roll motor power
				pan	0-100	set pan motor power
			tilt		0-100	set tilt motor filter
		filter	roll		0-100	set roll motor filter
			pan		0-100	set pan motor filter
			tilt		on/off	enter/exit tilt follow mode
		switch	roll		on/off	enter/exit roll follow mode
			pan		on/off	enter/exit pan follow mode
			tilt		0-100	set the following speed of tilt motor
	follow	speed	roll		0-100	set the following speed of roll motor
			pan		0-100	set the following speed of pan motor
		deadband	tilt		0-100	set the following initiation angle of tilt motor
			roll		0-100	set the following initiation angle of roll motor
			pan		0-100	set the following initiation angle of pan motor
			function	left-right	tilt/rol/pan	move the joystick left/right to control the tilt/roll/pan rotation
				up-down	tilt/rol/pan	move the joystick up/down to control the tilt/roll/pan rotation
		joystick	sensitivity	left-right	0-100	set sensitivity level of left-right movement
		JOYSHCK	SCHSIIIVIIY	up-down	0-100	set sensitivity level of up-down movement
			habits	left-right	+/-	set the control habit of joystick left/right movement
			nabits	up-down	+/-	set the control habit of joystick up/down movement
		wheel		focus-1	*	control the external focus motor 1
				focus-2	*	control the external focus motor 2
				focus-e	*	control the electronic focus
			function	tilt	*	control the pan axis
				roll	*	control the tilt axis
				pan	*	control the roll axis
			sensitivity		0-100	wheel sensitivity
gimbal			habits		+/-	set the control direction of wheel rotation
giribai	operation			none	*	none
	Operanon			follow		enter pan-tilt follow mode
			hold	lock	+	enter all lock mode
				quick		enter sport gear mode
				FPV	*	enter FPV mode
				none		none
		l	click	shutter		take photo
		trigger		focus		auto focus
				non e	*	none
			double-clic			re-center
				selfie	*	rotate the gimbal 180° for selfie
			triple-click	none		none
				re-center		re-center
				selfie		rotate the gimbal 180° for selfie
				Scille		Totale ind gillibal for for selle

L1	L2	L3	L4	L5	Value	Function
gimbal	operation	dial	habits		+/-	rotate the dial clockwise to increase/decrease value
	autotune				?/ok	auto tune
	balance cl	hk				check the balance state of camera
			switch		? /ok/err	turn on/off the focus motor 1
			set A		? /ok/err	set the point A of focus motor 1
		F1	set B		? /ok/err	set the point B of focus motor 1
			Clear AB		? /ok/err	Clear the calibration information
			Guidance		>	Enter the guidance mode
	iFocus		switch		? /ok/err	turn on/off the focus motor 1
			set A		? /ok/err	set the point A of focus motor 1
		F2	set B		? /ok/err	set the point B of focus motor 1
			Clear AB		? /ok/err	Clear the calibration information
			Guidance		>	Enter the guidance mode
		Dolly Zoom			>	Enter the dolly zoom mode
advanced	inception	speed			0100	set the rotation speed of inception mode
	motion sen	şwitch	tilt		? /on/off	turn on/off the motion control of tilt axis
			roll		? /on/off	turn on/off the motion control of roll axis
		sin	pan		? /on/off	turn on/off the motion control of pan axis
		speed			0-100	set the rotation speed of motion control
	tracking	speed			0-100	set the max speed of tracking
		tilt			on/off	turn on/off the manual positioning of tilt axis
	manual pa	roll			on/off	turn on/off the manual positioning of roll axis
		pan			on/off	turn on/off the manual positioning of pan axis
		gyro			?/ok	calibrating/calibrated the gyroscope
		acc			?/ok	calibrating/calibrated the accelerometer
	calibration	on angle offset	tilt roll		0-100	set the offset value of tilt axis
					0-100	set the offset value of roll axis
			pan		0-100	set the offset value of pan axis
		English		*	switch display language to English	
	language	中文		*	switch display language to Chinese	
	config		save		?/ok	save to configuration 1
		config1	load		?/ok	load configuration 1
			save		?/ok	save to configuration 2
general		config2	load		?/ok	load configuration 2
			save		?/ok	save to configuration 3
		config3	load		?/ok	load configuration 3
		reset		?/ok	restore default parameter settings	
	about	-				device name and firmware information

Menu type introduction:

If there is a "> "mark at the right side of the selected item, press the dial right button for the next menu.

If the selected item has a "[]" and contains a number, rotate the dial to adjust its value.

If the selected item has a "()" and contains an option, press the right button to switch among options.

Notes:

- If there is a "*" at the right side of one item, the current list is the final option, press the dial
 right button to launch it.
- 2. If the selected item and other items in the menu list don't have any marks, press the dial right button to launch the option once. ">" is displayed during the process. "OK" is displayed after the process is completed, and "ERR" is displayed if the option fails.

- 1. Filtering parameters: When the motor vibrates with highfrequency, the value should be turned down. When the motor vibrates with low-frequency, the value should be increased.
 - 4. The manual positioning function has lower priority than the following function. When using manual positioning functionnormally, following function of the axis should be turned off.

Features Description

Camera Control

The Air 2 can support camera video recording, photo taking and electronic focus control. Please refer to the compatibility list for more details

(* Please set the lens to "MF"mode)

Brand	Model	Select	Cable	Shutter	Record	ISO	TV	AV	Auto Focus	Focus Control	Power Suppl
	FOS R		M3C-Micro+ Micro to Type-	V	V	V			- V	V	
	FOS RP	+	C Adapter (optional)	-	- V	- V	-	1	i i	- i	
	EOS 6D Mark II		C /tddpici (opiionai)	-	- V	1	1	-	- i	- 1	
	EOS 6D EOS 60D EOS 70D			-:-	V	V	- i	- i	,	- i	
					- V	1	1	1	1	,	
					7	7	7	7	7	1	
	EOS 77D	M3C-USB	M3C-Mini	*	V	V	√	√	V	V	_
	EOS 80D	W3C-02B		*	V	V	√	√	V	√	
CANON	EOS 5D2				V	V	4	4	V	√	
	EOS 5D3				V	V	√	√	V	V	
	EOS 800D			*	V		√	√	V	V	
	EOS 5D Mark IV				V	4	√	√	√	√	_
	EOS 200D II		M3C-Micro		√	√	-√	-√	√	√	_
	EOS M50				√	1	√	√	V	√	_
	EOS M5	MCSC-C1	C1 Shutter Cable (optional)	V	-	_	_	_	_	_	_
	Alpha 7S			_	V	- 1	+		V	_	V
	Alpha 7R	1		_	V	1	V	V	V	-	√
	Alpha 6300			_	- 1	- 1	√	√	V	_	√
	Alpha 6400			-	4	4	4	1	V	V	V
	Alpha 6500			_	- J	- V	- i	- i	,		- V
	Alpha 75 II			_	- V	- J	- i	- i	,	_	1
	Alpha 7R II	M3C-USB	M3C-Micro	_	-V	1	- V	- i	- V	_	1
	Alpha 7 II	M3C-030	MJC-MILIO		- V	1	1	1	- 1		- 1
	Alpha 7 III				7	7	7	7	- 1	7	7
	Alpha 7R III				- 1	1	1	1	- 1		-
	DSC-RX100M3				7					_ ·	
				_		4	V	٧.	V		- V
	DSC-RX100M4			_	V	√.	V	V	V	_	√
SONY	DSC-RX100M5			_	V	-√	√	√	V	_	√
	Alpha 7S	MCSC-Multi	MCSC-Multi	√	√	_	_	_	√	_	√
	Alpha 7R	IVICUC IVIUIII	MCSC MOIII	-√	√	_	_	_	√.	_	√
	Alpha 6300			√	-√	_	_	_	√	_	√
	Alpha 6400			√	- 1	_	_	_	√		√
	Alpha 6500			V	- 1	-	_	_	V		√
	Alpha 7S II			√	-1	-	_	_	V	_	4
	Alpha 7R II			√	-√	_	_	_	- V		4
	Alpha 7 II	MCSC-Multi/6	MCSC-Multi/C	V	- 1	-	_	_	√	_	V
	Alpha 7 III			V	-√	-	_	_	V	_	V
	Alpha 7R III			V	- 1	_	_	_	V	_	4
	DSC-RX100M3	1		V	- V	_	_	_	1	_	- 1
	DSC-RX100M4			1	- V	-	_	_	1	_	- i
	DSC-RX100M4	1	1	1	V	_	_	_	1	_	- 1
	DMC-G7KGK			1	1	=			1		
	DMC-G85GK			7	7	=	=	-	- 1		
		MCSC-Remot	MCSC-Remote	7	7	=	-	-	7		
		wcsc-kemol	wrar-kemole					-			
Panasonic	Lumix GH4			V	V	_	_	_	√		
	DC-S1GK-K			V	V		_	-		_	
			M3C-Micro + Micro to Type-	V	V	√	√	√	- 1	√	ν.
	Lumix GH5	M3C-USB	C Adapter (optional)	V	V	- 1	V	V	V	√	
	DC- GHSSGK-K			V	V	-√	√	√	V	V	
	Z6		M3C-Micro+ Micro to Type-	V	V	4	√	√	√	√	_
Nikon	27	M3C-USB	C Adapter (optional)	V	V	4	√	√	√	√	_
	D850	l	M3C-Micro	√	V	-√	√	√	V	√	-
	X-T2			V	V	-	_	-	V	-	_
	X-T3			V	V	_	_	_	V	_	_
FUJFILM	X-120	MCSC-C1	C1 Shutter Cable	1	- V	_	_		- 1	_	
	X-T30		(optional)	1	- V	_	_	_	- 1		
	100			<u> </u>	_				_		

Note: please refer to the official website for the latest camera control list.

Operation Steps:

a. Long press the center button to enter the menu, refer to the compatibility list to select the correct camera type.

b. Refer to the list to choose and connect the camera control cable. Connect the Mini-USB end of the control cable to the control port of AirCross 2. Connect the other end to the corresponding control port of the camera.

c. You can achieve recording by clicking the menu button one time and taking photos by clicking menu button twice after selecting the camera type and connecting the camera control cable.

Note:

1, Cameras equipped with Micro USB 3.0 interface, such as the Nikon D850, can be normally controlled by half plugging the M3C-Micro cable.



- 2. After plugging the camera control cable, please operate the camera according to the prompts on the camera screen, otherwise the camera control function may not work properly.
- Start/Stop: Press power button once
- Shoot photos: Press power button twice
- Adjust shutter: Press the up button of the dial (TV)
- Adjust aperture: Press the down button of the dial (AV)
- Adjust ISO: Press the left button of the dial (ISO)

When adjusting camera parameters, press the corresponding button and the screen will display the value, then turn the dial to adjust the value. After the adjustment is completed, press the corresponding button again to turn off the adjustment of camera parameters.



Turn on/ off preview: press the right button of the dial to turn on or off live preview.

A Note:

- 1. Only when start camera settings can turn the dial adjust parameters. Under the default state, turn the dial would adjust the follow speed. Please refer to page 14 to aet more follow modes information.
- 2. Some cameras with sensor, like Sony A7S2 will shut down the screen and switch to viewfinder for preview, if there is obstruction before the viewfinder. Set preview setting to screen

Motor Output

The payload of Air 2 is from 300g to 4200g. Different payload requires different motor power to achieve the best stability. There are three methods for adjusting the output of the motor:

Auto-tuning operation method:

- a. Install the camera and adjust the balan
- b. Unlock all motor loc
- c. Turn on the stabilizer, long press the center button to enter the menu, sele 'Gimbal' > 'Motor' > 'Power' > 'Auto-tune'
- d. During the auto-tuning, the stabilizer will vibrate automatically to match the most suitable output value. Wait for about 5 seconds, the stabilizer stops shaking, and the auto-tuning completes.



Set the output gear:

Factory default presets 5 groups of motor output values, which are suitable for cameras of different weight levels.

Customize the output value of each motor:

The users can customize the output value of each motor to reach more precise control of the motor output. The adjustment range is 0 to 100.

A Note:

- Under the camera lens combination of the limit, the auto-tuning function may not accurately calculate the appropriate output value. Please manually adjust the motor output according to the situation.
- If the motor output is too low, the video is not stable enough; if the motor output is too high, it will cause high-frequency vibration of the stabilizer.
- When the motor output is at the critical value, the stabilizer will not vibrate in the upright state, but it will vibrate in the forward or inverted state. Please reduce the motor output moderately.

FPV. Sport Gear Mode

When the follow function is enabled, the camera will follow the movement of the gimbal. Users can enable the follow mode of each axis through dial buttons and turn the dial to adjust the following speed, which can be also enabled in the menu.

Follow Mode Switch	Example 1	Example 2
Enter the tilt follow		
Exit the tilt follow	→	
Enter the roll follow		
Exit the roll follow		

⚠ Note:

- 1. The Air 2 is in pan follow mode by default.
- In addition to controlling the follow mode by the switches of each axis independently, follow modes can be also enabled by the trigger, please refer to Page 8 'Button Functions' for more details.
- 3. The angle of the roll follow is 45°. For a larger following angle, please triple click the left button to enter the FPV mode to achieve 360° follow of three axes.
- 4. If faster following speed is required, please click the right button to enter the sport gear mode. (Currently only supports the pan axis)

Manual Positioning

Manual positioning is used to quickly adjust the direction of the camera. When the function of manual positioning is enabled, the camera orientation can be adjusted by hand which will not automatically return to the initial position. The adjustment speed is faster than using the joystick or the following mode. The manual positioning of the tilt axis is enabled by default on the Air 2. Manual positioning of the roll and pan axes can be enabled in the menu





A Note: The follow function has higher priority than manual positioning. When the follow function of any axis is on, the manual positioning function cannot be used. Only after the follow function is off, the manual positioning can be used normally.

Button Customization

Button Customization is used to specify the function, sensitivity and operation direction of each button according to the user's habits.

For Example:

By default, moving the joystick up and down controls the tilt axis rotation. It can be changed to control the roll or pan axis rotation by customizing; By default, moving the joystick left and right controls the pan axis rotation. It can be changed to control the tilt or roll axis rotation by customizing.



The higher the sensitivity of the button, the more sensitive and faster the control is. If you change the 'custom' to -, the direction of operation will be opposite. For more button customization, please refer to Page9 Menu Description.

Inception Mode

The Inception Mode is used to control the camera to rotate in the roll direction for shooting upside down and rotating footages. In the main interface, triple click the right button to enter the Inception Mode. After entering the Inception Mode, the camera lens is vertically up and each axis automatically follows.

Button Definition for Inception Mode:

• Turn the joystick left or right: the gimbal turns to left or right, when

release or turn to a specified angle, the gimbal stops.

- Turn the dial: adjust the rotation speed
- Press the left button on the dial once: the gimbal rotates to the left automatically. If the gimbal is rotating, press once to stop.
- Press right button on the dial once: the gimbal rotates to the right automatically.
 If the gimbal is rotating, press once to stop.
- Press up/down button on the dial: select rotationangle
- Normal: gimbal rotatesand does not stop automatically
- 180: the gimbal rotates 180° and stops automatically.
- 360: the gimbal rotates 360° and stops automatically.



Triple click the right button again to exit the Inception Mode.

Balance Check

The gimbal can check the balance status of tilt and roll axis automatically and instruct users to make the correct adjustment.

- a. Attach a tripod to the gimbal, turn on the gimbal and place it on a horizontal tabletop.
- b. Enter the menu, select advanced>balance chk, the gimbal begins to check the balance adjustment.



- When balance check is completed, the balance status of each axis will be displayed on the screen, direction guide will be also displayed if the adjustment is needed.
- d. 'C' means quick release plate, 'T' means tilt axis, 'R' means roll axis, then start the adjustment according to the screen prompts.
- e. When adjustment is completed, press the right button and check it again until the gimbal is well balanced.

▲ Note:

- Balance check can be only used with the tilt and roll axis, the pan axis balance can't be checked. Be sure that the motor lock has been released when using balance check.
- 2. Motors turned off after balance check, please long press 'menu' button to start the aimbal

Sensor Calibration

Gyroscope Calibration

Turn on the aimbal and leave it quietly for about 5 minutes, the ayroscope calibration is required when the gimbal drifts obviously.

The steps are as follows:

- a. Turn on the aimbal (long press the power button)
- b. Turn off the motors (double press the power button/enter the menu, select aimbal>motor>switch, set 'off')
- c. Leave the Air 2 on the table and don't shake it or the desktop.

d. Enter the menu, select advanced>calibrate>Gyro cali and press the dial right button, wait about 5 seconds, when the '?' changes to 'OK', the calibration is completed.

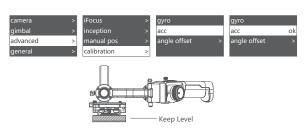
ok



Accelerometer Calibration

Turn on the gimbal and there is no obvious drift, the accelerometer calibration is required when the camera doesn't keep level. The steps are as follows:

- a. Turn on the aimbal (long press the power button)
- b. Turn off the motors (double press the power button/enter the menu, select aimbal>motor>switch, set 'off')
- c. Leave the L-shaped quick release plate on the horizontal table. Avoid the bottom screw and keep the Air 2 at static position. Do not shake the it or tilt it. (or mount the camera to refer to its level)
- d. Enter the menu, select advanced>calibrate>Acc cali, and press the dial right button to enter calibration. Wait about 5 seconds, when the '?' changes to 'OK', the calibration is completed.





▲ Note:

- 1. Please keep the gimbal stationary during the calibration, any shaking will cause the calibration to deviate.
- 2. Any drastic shaking might cause 'err' shown on the screen, please calibrate again.
- Do not arbitrarily perform calibration operations while it is not necessary.

Offset

In case of emergency shooting, the camera cannot be leveled and there is no time for sensor calibration, the camera can be adjusted to a horizontal state by offset.

- a. Turn on the gimbal and the camera level, check the offset of the tilt and yaw axis.
- b. Enter the menu, select advanced>calibrate>offset, select an axis that is not horizontal, and then turn the dial to adjust the fine adjustment value of the axis until the camera completely keeps level.





- 1. The offset can only adjust the angle of each axis within the range of about ±5°, if there is too much offset, the camera cannot be completely leveled.
- 2.Offset is only a temporary solution, after shooting, accelerometer calibration is still needed.

 3.The parameters of the offset will not be saved and will become invalid after restart.

Language Switch

The Air 2 supports both Chinese and English. After turning on the gimbal, users can switch language in the menu.



User Configuration Management

The Air 2 can save 3 groups of user data like camera type, motor output, button operations and other parameters, so users can retrieve relevant parameters previously used and avoid trouble of setting parameters each time when changing the camera.



When configuration data is confusing, users can select "restore configuration" to clear all previous configuration data.

Management

Smartphone and PC Connection

The Air 2 is equipped with BLUETOOTH 4.0 and can be connected with smartphones. Users can set parameters, shot time-lapse video, upgrade firmware and make other operations via the MOZA Master App. With a Type-C USB interface, the Air 2 is able to be connected to a computer. Users can set parameter, upgrade firmware and make other operations via the MOZA Master software.

Download Link: https://www.gudsen.com/moza-Air 2



- The MOZA Master supports iOS, Android, Windows and MacOS
- 2. Before using the MOZA Master on computer, please install the driver first, otherwise the computer cannot recognize the Air 2
- Smart phones cannot directly pair with the Air 2 via Bluetooth, MOZA Master App must be used to connect your phone with the Air 2

Install the Phone Holder

Install the phone on top of the camera. Operate object tracking through App. a. Fix the phone holder to the hot shoe connector on the top of the camera

- b. Place the phone horizontally in the phone holder
- c. Open the App.Enter the object tracking feature. Adjust the phone angle. Make the phone framing as consistent as possible with the camera framing.



In addition to being mounted on the top of the camera for object tracking, the phone holder can also be used to fasten the phone to tripod head for mimic motion control.

Firmware Upgrade

Upgrade via computer:

a.Turn off the gimbal.

b.Long press the joystick, then press the power button with the other hand until the prompt 'Boot Mode' appears on the screen.

- c.Connect the gimbal to the computer with a USB Type-C cable.
- d.The software will automatically identify the device and load the firmware. Press the 'Upgrade' button and wait for about 30s.

e.Restart the gimbal after the upgrade.

Upgrade via App:

- a.Turn off the gimbal.
- b. Long press the joystick, then press the power button with your another hand until the prompt "Boot Mode" appears on the screen.
- c.Start App, press Bluetooth to search for Air 2 device and connect.
- d. The App will automatically enter the firmware upgrade interface, please wait for the firmware download to complete, press the 'upgrade' button and wait for about 5 minutes.
- e. During the upgrade process, 'upgrading' will be displayed on the gimbal screen, and' upgrade success' will be displayed on the screen after the upgrade is completed, and then air 2 can be restarted.

Specifications

Air 2						
Payload Range	0.3kg~4.2kg					
Dimension	230*240*470 mm					
Tilt Camera Tray Dimension	110 mm					
Roll Camera Tray Dimension	100 mm					
Pan Mechanical Endpoint Range	360°					
Roll Mechanical Endpoint Range	360°					
Tilt Mechanical Endpoint Range	+180°~-95°					
Battery Type	INR18650D250					
Battery Capacity	2500 mAh					
Working Votage	15.2V					
Static Current	150mA					
	BLUETOOTH 4.0 BLE					
Communication	2.4G					
	USB					
Camera Control Port	Mini USB 5V 1A					
Dummy Battery Port	DC2.0mm 7.8V 1A					
Accessory Power Supply Port	DC5.5mm 12V 2A					
External Power Supply Port	DC5.5mm 14.8V 3A					
Temperature	050°C					

产品保修卡

用户资料

产品型号	MOZA Air 2
购买日期	
姓名	
电 话	
地址	

经销商信息(签章)

产品保修条例

保修期

自购机日起,云台主体保修12个月;云台电机、电池保修3个月。设备外壳、说明书、USB线材、包装等不在"一年免费保修服务"范围内,您可以选择有偿服务。

七日内免费退货

自购机日起7日内,根据国家最新三包规定,您可以选择退货(按票面金额一次性退清货款)、换货(更换同型号同规格的产品)或修理。

八至十五日免费换货或修理

自购机日起第8日至第15日内,主机出现性能故障,并经特约维修中心检测,确认非人为损坏的本身质量问题,您可以选择换货(更换同型号、同规格产品)或修理;但是更换的范围,只限于产品主机,其他配件无质量问题,不能更换;购买者在以下条件下不享受免费保修服务,您可以选择有偿服务。

- 1. 超过三包有效期的;
- 2. 无三包凭证及有效发货票的,但能够证明该产品在三包有效期内的除外 :
- 3. 包修凭证 L的型号与修理产品型号不符或者涂改的 :
- 4. 非本公司特约维修人员拆动造成损坏的 :
- 5. 因不可抗拒力造成损坏的 :
- 6. 未按产品使用说明书要求使用、维护、保养而造成损坏的。



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