

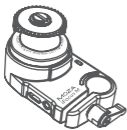
MOZA iFocus M

User Manual

用户手册

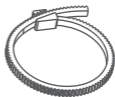
In the Box

装箱清单



x1

Motor
跟焦器



x1

Lens Gear Ring
跟焦环



x1

Multi-CAN Cable
Mutli-CAN连接线



x1

User Manual
用户手册

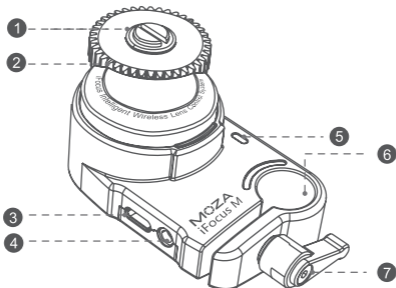
Note:

This manual only guides the connecting and using methods and precautions used by the follow focus motor part in conjunction with Moza Air 2, and does not fully describe all the functions of the follow focus. For more functions, please use it with the remote control.

注意事项：

本说明书仅指导跟焦器电机部分与MOZA Air 2搭配使用的连接使用方法及注意事项，并未完整说明跟焦器的所有功能。

MOZA iFocus M



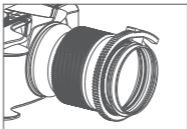
- 1 **Gear Screw:** Secure the gear tooth
- 2 **Gear:** Control camera lens focus, aperture or zoom by connecting with the lens gear ring.
- 3 **Type-C:** Connect it with the computer for firmware upgrade.
- 4 **Multi-CAN Port:** For power supply and communication when connected to MOZA stabilizer with Multi-CAN cable
- 5 **Status Indicator:** Indicates the working status, etc.
- 6 **Rod Clamp:** Fix the Motor to the 15mm Support Rod.
- 7 **Gear Knob :** Secure the Support Rod to the Motor.

Getting Started(e.g.Air 2)

1. Mounting the Lens Gear Ring

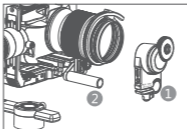
- Fits the Lens Gear Ring with your Lens Focus Ring. Tighten the Lens Gear Ring.
- Tighten the clip.

! Note: Ensure the clip is tighten and the camera lens can be rotated with the lens gear ring. The focus ring can also be mounted to the aperture ring and zoom ring. Please select the installation position as needed.

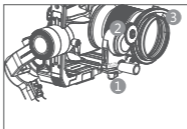


2. Mount the Motor

- Slide the the rod clamp ① onto the support rod ② .Adjust the iFocus M motor up and down to the appropriate position.

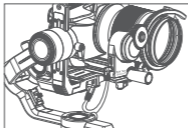


- Tighten the gear knob ① , ensure the motor gear ② and lens gear ring ③ make good contact.



3. Connecting with the MOZA Stabilizer (e.g. Air 2)

Connect the iFocus M with MOZA stabilizer (such as MOZA Air2) via Multi-CAN cable.



⚠ Note: iFocus M can only support two stabilizers with Multi-CAN port: MOZA Air 2 and AirCross 2. If you want to use iFocus M with other stabilizers, you need to purchase additional power supply accessory for iFocus M and MOZA Wireless Follow Focus Handunit

Functions of the MOZA iFocus M

1. System Status Indicator

LED indicators description:

Status	LED	
Power On	Solid blue light	iFocus M connected to the gimbal and powered on, ready for use.
Power Off	Off	iFocus M disconnected to the gimbal and powered off, unusable.
Sleep Mode	Flashing blue light 1 time/1s	iFocus M is powered on, the motor was stuck for more than five seconds or turned off through the gimbal.
Error Mode	Flashing blue light 1 time/0.1s	iFocus M is powered on and not calibrated (wait 5s with light flashing after connected to gimbal then reconnect with gimbal after disconnected manually) or Encoder Failure.
Upgrade Mode	Solid blue light	Connect the Motor to the computer via the Type-C cable to enter the firmware upgrade when it doesn't connect with the gimbal.

2. Power on and Power Supply

Connect iFocus M to stabilizer (e.g. Air 2/AirCross 2) via Multi-Can cable to power supply the motor. The iFocus M will automatically calibrate for first use or after firmware upgrade. The calibration will last for 10 seconds with blue light flashing during the process. Disconnect the iFocus M after the calibration, then reconnect the iFocus M with stabilizer to use the motor.

3. Power off


Disconnect the Multi-CAN cable from the stabilizer, then the iFocus M will be powered off and stopped working.

4. Route Calibration

Mark the total distance of the lens focus ring through route calibration before using the iFocus M to avoid that the gear rotate exceed the route of lens focus ring.

The operations of route calibration are as follows:

- Enter the menu of Air 2, and select Advanced>Focus>F1/F2(available to connect two follow focuses at the same time)>[on] to turn on the iFocus M motor.
- Rotate the lens to the start point by adjusting the stabilizer handwheel, then select Set A, click the right button to confirm the start point.
- Rotate the lens to the end point by adjusting the stabilizer handwheel, then select Set B, click the right button to confirm the end point.
- Select Advanced>Focus>F1/F2>Clear AB, click the right button to clear the set AB points.


 Note:The calibration will be invalid if the start and end points are not calibrated! When restart the iFocus M, calibration is needed again.

5.Use Air 2 handwheel to control iFocus M movement.

- Enter the menu of Air 2 , Select Gimbal Set>Operations>Wheel>Function>F1/ F2 to select the follow focus. You can also press the M button on the Air 2 until the wheel mode on the screen turns to F1 or F2.
- Rotate the stabilizer wheel to control the movement of iFocus M.

6.iFocus Control Sensibility Settings

Enter the Air 2 menu, and select Gimbal Set>Operations>Wheel>Sensi to adjust the control sensibility.

 Note:Reduce the sensitivity value if the iFocus M rotates too fast, and increase the sensitivity value if the iFocus M rotates too slowly. The iFocus M doesn't have sensitivity itself. In order to adjust the control sensitivity, you need to adjust the sensitivity of the gimbal handwheel to indirectly control the iFocus M sensitivity.

7.Teaching Function

Select advanced>Focus>F1/F2>Focus teaching>Record(maximum duration 60s) to record the current operation of follow focus.

After the recording is completed, select advanced>Focus>F1/F2>Focus teaching>Play, and the follow focus will automatically repeat the operation just recorded.

8. Dolly Zoom (requires two motors)

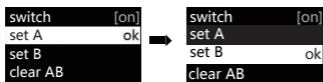
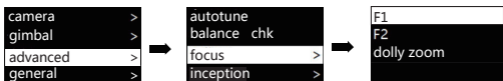
a. Precondition:

Device: Camera + lens + AirCross 2/Air 2 + Two iFocus M motors.

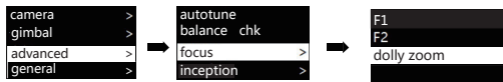
Installation: Install camera and iFocus M motors and adjust the balance, the first iFocus M connect with lens focus ring, second one connect with lens zoom ring (Air 2 cable is sold separately).

b. Device Calibration:

1. Enter the menu of Air 2, select advanced>focus>F1/F2 (can control both motors simultaneously) > [on]. Control the motor to move the camera lens to the start point by adjusting the stabilizer handwheel. Then select "set A" and right click to confirm the start point. Control the motor to move the camera lens to the end point by adjusting the stabilizer handwheel. Then select "set B" and right click to confirm end point (both iFocus M need to be calibrated).

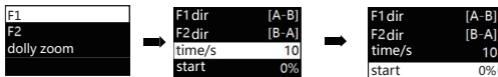


2. Enter Dolly Zoom mode, select advanced>focus>dolly zoom> F1 dir (A→B or B→A), and also set the movement for follow focus motor F2 (A→B or B→A).



F1 dir	[A-B]
F2 dir	[B-A]
time/s	10
start	0%

3. Select advanced>focus>dolly zoom>time/s (turn the dial to set the time value) to set the time of the entire motor movement process. Select start, The motor will automatically rotate based on the setting.



⚠ Note: MOZA Air 2 requires an additional 1 to 2 cable for Dolly Zoom mode.

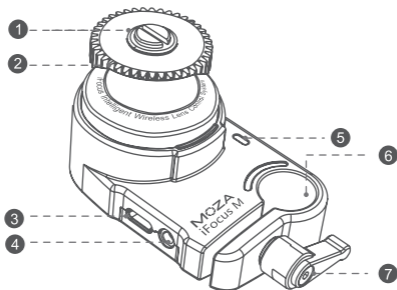
Firmware Upgrade

iFocus M can be upgraded alone. Please download the MOZA Master App on the official website for firmware upgrade.

- Connect iFocus M to the computer via the Type-C cable.
- The solid blue light will display after connected. Download MOZA Master App from computer to start the firmware upgrade .
- iFocus M can work normally after the firmware upgrade succeeds.

Specifications

Weight	88g
Dimensions	91*52*36mm
Operating Voltage	7.2V
Connection Port	Multi CAN
Date Port	Type-C
Wireless	2.4G



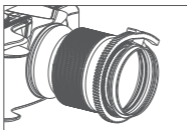
- ① **齿轮固定螺丝**：用于固定齿轮
- ② **齿轮**：通过与跟焦环啮合，调节镜头对焦、光圈或变焦
- ③ **Type-C**：连接电脑进行固件升级
- ④ **Multi CAN接口**：供电与通信接口
- ⑤ **状态指示灯**：指示工作状态等信息
- ⑥ **跟焦器管夹**：将跟焦器固定到直径15mm的跟焦管上
- ⑦ **跟焦器万向旋钮**：旋紧旋钮将跟焦管与跟焦器连接固定

安装 (Air2为例)

1. 安装跟焦环

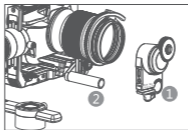
- 用跟焦环围住镜头对焦环，拉紧跟焦环
- 将跟焦环两端的固定结构锁紧

▲ 注意：务必使跟焦环与镜头对焦环卡紧，且转动跟焦环的时候镜头和跟焦环能同步转动跟焦环也可安装至光圈环与变焦环，根据需要选择安装的位置

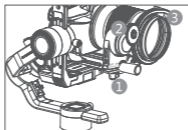


2. 安装跟焦器

- 将跟焦器管夹①套入跟焦安装管②，上下调节跟焦器到合适的位置

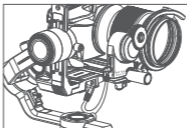


- 拧紧跟焦器上的万向旋钮①，使跟焦器齿轮②与跟焦环③咬合



3. 连接MOZA稳定器 (Air2为例)

使用Multi CAN线连接含有Multi CAN接口的稳定器(如 MOZA Air2)和跟焦器



⚠ 注意：iFocus M暂时仅支持直连MOZA Air2 ,Aircross 2两款带有Multi-CAN接口的稳定器。若需和其他稳定器搭配使用，需额外购置供应ifocus M的电源配件以及魔爪无线控制手轮。

跟焦器功能

1. LED灯状态

LED灯定义如下：

状态	灯光	含义
通电状态	蓝灯常亮	已连接含有Multi CAN接口稳定器，通电状态,跟焦器可使用
断电状态	指示灯不亮	未连接含有Multi CAN接口稳定器,断电状态,跟焦器不可使用
休眠状态	蓝灯闪烁1s/1次	在开机状态下，跟焦器堵转超过5秒或者通过云台关闭跟焦器
故障状态	蓝灯闪烁0.1s/1次	在开机状态下，未校准（需连接上等闪烁5秒后再连接即可）或编码器故障
升级模式	蓝灯常亮	脱离云台状态下，TYPE-C连接跟焦器与电脑客户端进入固件升级模式

2. 开机与供电

当iFocus M使用时，将Multi CAN线连接含有Multi CAN接口的稳定器(如 Air2/AirCross 2) 和跟焦器，使跟焦器通电,即可使用。首次开机以及固件升级以后，iFocus M 首次和稳定器连接后会自动进行校准操作。校准操作将持续10秒，校准时机身蓝灯闪烁。校准完成以后断开iFocus M连接线，然后重新插入即可正常使用。

3. 断电

断开Multi-CAN连接线，iFocus M跟焦器未通电，跟焦器停止工作，不可使用。

4. 行程校准

使用跟焦器前请通过行程校准来标记镜头对焦环的总行程，以避免跟焦器转动超过镜头对焦环的行程

行程校准的操作如下：

- 进入Air2菜单，选择高级>跟焦器>F1/F2（可同时连接两个跟焦器）>开关[on] 打开跟焦器电机
- 通过调节稳定器手轮控制跟焦器带动相机镜头转动到起始位置，然后选择设定A点，单击右键确认行程起始位置
- 通过调节稳定器手轮控制跟焦器带动相机镜头转动到终点位置，然后选择设定B点，单击右键确认行程终点位置
- 选择高级>跟焦器F1/F2>清除AB点单击右键可清除已设置好的AB点的位置

⚠注意：如果没有将起点与终点都校准好就启动跟焦器，则本次校准无效！
iFocus M跟焦器重新启动后，需要重新校准！

5. Air2手轮控制跟焦器运动

- 进入Air2菜单，云台>操作>手轮>功能>跟焦器1或者跟焦器2选择手轮控制跟焦器。也可以按Air2的M键，直到Air 2屏幕上的手轮模式变为F1或者F2
- 转动稳定器手轮即可控制跟焦器运动

6. 跟焦器控制灵敏度设置

进入Air2菜单，云台>操作>手轮>灵敏度（拨动稳定器拨盘）调节控制的灵敏度。

⚠注意：您在使用时，如果觉得跟焦器转动太快，可以降低手轮控制灵敏度；如果觉得跟焦器转动太慢，可以提高手轮控制灵敏度。跟焦器自身无灵敏度设置，需通过调节手轮灵敏度间接控制跟焦器的灵敏度。

7. 示教功能

选择高级>跟焦器>F1/F2>跟焦示教>录制（最大时长60s）

选择高级>跟焦器>F1/F2>跟焦示教>播放

选择录制你当前的跟焦操作，录制完成后，通过播放，跟焦器自动重现刚刚进行过的操作。

8. 希区柯克（需安装双跟焦器）

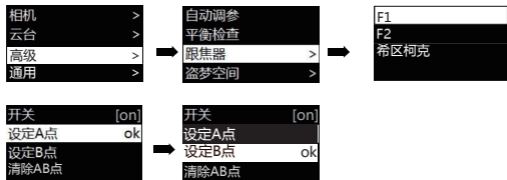
一、前提条件：

设备：相机+变焦镜头+AirCross 2/Air 2稳定器+两个iFocus M跟焦器

安装：安装并调节好平衡，跟焦器一个装对焦环，一个装变焦环（Air 2线需另购）

二、设备调试：

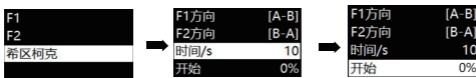
1. 进入Air2菜单，选择高级>跟焦器>F1/F2(可同时控制两个跟焦器)>开关[on]。通过调节稳定器手轮控制跟焦器带动相机镜头转动到起始位置，然后控制云台屏幕上的光标移动到“设置A点”，单击右键确认。通过调节稳定器手轮控制跟焦器带动相机镜头转动到终点位置，然后控制云台屏幕上的光标移动到“设置B点”，单击右键确认（两个iFocus M跟焦器均需设置）。



2. 进入希区柯克功能，高级>跟焦器>希区柯克> F1方向（A→B或者B→A）
同样设定跟焦器F2的运动方向（A→B或者B→A）。



3. 高级>跟焦器>希区柯克 >时间/s（拨动稳定器拨盘）调节时间
 设定整个跟焦器运动过程的时间。选择开始，跟焦器会按照设定自动旋转运行。



⚠注意：使用MOZA Air2实现希区柯克需另购一转二连接线。

固件升级

iFocus M跟焦器能够独自进行固件升级，请在官网下载MOZA master 进行固件升级。

- 将跟焦器与电脑通过Type-C线连接
- 连接后跟焦器状态指示灯蓝灯长亮，通过电脑下载MOZA master 进行固件升级操作
- 升级成功后，跟焦器即可正常工作

规格参数

重量	88g
尺寸	91*52*36mm
工作电压	7.2V
连接接口	Multi CAN
无线	2.4G
数据接口	Type-C

产品保修卡

产品型号	MOZA iFocus M
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，跟焦器主体保修12个月；电机保修3个月。设备外壳、说明书、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. 包修凭证上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卸造成损坏的
5. 因不可抗力力造成损坏的
6. 未按产品使用说明书要求使用、维护、保养而造成损坏的

合格证

出厂日期: _____

质检员: _____



Get more functions with
the iFocus Handunit.
搭配□控器，玩出新花□

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