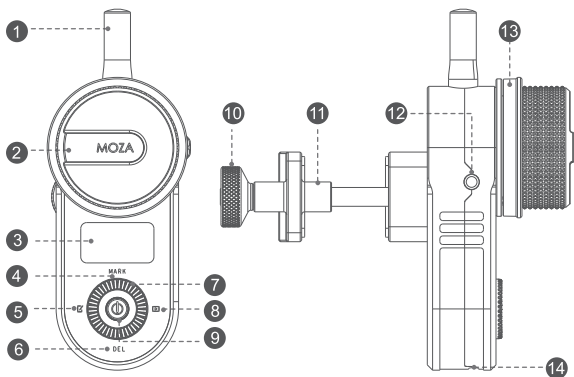


## MOZA iFocus Handunit

User Manual  
用户手册

## Handunit



1 Antenna

2 Wheel

3 OLED Display Screen

4 Mark Button

5 REC Button

6 DEL Button

7 Dial

8 Play Button

9 Power Button

10 Knob Screw

11 Rod Clip

12 Multi-CAN Port

13 Mark Ring

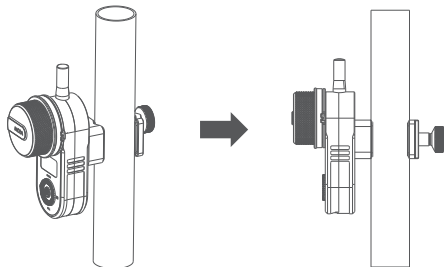
14 USB-C Port

## Getting Started

### Installation

- Loosen the knob screw on the rod clip.
- Revolve the rod bar into the clip.
- Tighten the knob screw.

⚠ Note: the rod clip of the handunit can clamp a rod bar with a diameter ranging from 15mm to 32mm.



### Charging

Connect the iFocus handunit to the charger via a USB-C cable, then the charging and battery level icon will be displayed on the screen. After the battery is fully charged, the charging icon will disappear.

### Button Functions

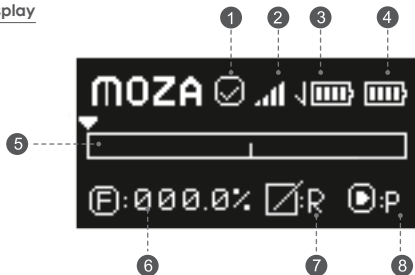
Interface	Press	UP (MARK)	Down (DEL)	Left (REC)	Right (PLAY)	Power
Main interface	1x	—	—	—	—	Enter menu
	Press for 3s	—	—	Start/stop recording	Select playing	Power off
Menu	1x	Item-up	Item-down	Return	Confirm	Return to the main interface

### On/Off

Turn On: Press and hold the power button for 3 seconds until the MOZA icon appears on the screen.

Turn Off: Press and hold the power button for 3 seconds in power-on status.

## Status Display



- 1 Status of the Route Calibration  
( x indicates the route of follow focus is not calibrated √ indicates the route calibration of follow focus is succeed. )
- 2 Connection Status of iFocus  
(Icon x on the top left corner indicates disconnection and disappearance of x indicates connection)
- 3 Battery Level of iFocus  
(only displays when battery installed)
- 4 Battery Level of Handunit
- 5 Route Bar
- 6 Route Percentage
- 7 Guidance Record
- 8 Guidance Play

## Connecting the iFocus Motor

### Pair

- Turn off the follow focus
- Turn on the handunit, enter the menu, select Wireless>Pair>Pairing;
- Turn on the follow focus and wait for seconds until the "Pair OK! " appears on the screen of the handunit.

⚠ Note: Please refer to the Page 4 to set the route of follow focus, if the handunit and the follow focus are not connected (including failed connection and disconnection after connected), " iFocus unpaired ! " will appear on the screen.

### Intelligent Guidance -Record

- Long press the record button, the recording icon will flash, and it will start recording.
- Operate the handunit, and the movement data of follow focus will be recorded.
- Long press the record button to end recording.

**⚠** Note: the longest recording time is 1 minute. The recording will be automatically ended when timeout.

### **Intelligent Guidance-Play**

- Long press the play button, the play icon flashes and video starts to play.
- Long press the play button a second time to stop the playing.

## **Menu Introducing**

### **Wireless>Pair>: Pairing, please refer to page 3 for pairing operation**

#### **Focus>: set the iFocus motor**

Focus>set AB: set the path of the follow focus motor. Before using the handunit, please set the route of the follow focus motor.

Right click to start the operation.

- Turn the gear of iFocus to the start point and right click the dial to confirm (as shown)

1. Turn to the point A. Click [right] button to confirm.

- Turn the gear of follow focus to the end point and right click the dial to confirm (as shown)

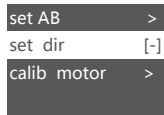
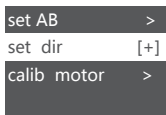
2. Turn to the point B. Click [right] button to confirm.

- The route is set successfully (as shown)

3. Setting point A&B completed !

- Click the left button to return to the previous menu, and then click the menu button to return to the main interface.

Focus>set dir: set the rotation direction of the iFocus motor, '+' indicates that the follow focus handunit rotates in the same direction with the follow focus motor gear; '-' indicates that the follow focus handunit rotates in the opposite direction with the follow focus motor gear.

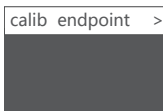


Calib motor>: calibrate the angle of the follow focus motor. Users need to calibrate the motor after firmware upgrade. Frequent calibration is not recommended.

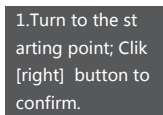
### Wheel>Wheel Calibrate: Handwheel Calibration

The remote controller system uses the handwheel to control the movement of follow focus. Set the route of the handwheel, which can control the follow focus to rotate only within the set route range. If the handwheel is abnormal, you need to calibrate the handwheel. Right click to start operation.

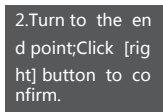
a) calib endpoint> Press the right button under the interface below to set the start point and end point of the handwheel. (as shown);



b) Turn the handwheel to the start point, and click the right button to confirm (as shown);



c) Turn the handwheel to the end point, and click the right button to confirm (as shown);



d) Handwheel calibration is successful (as shown)

3. calibration completed !

e) Click the left button to return to the previous menu, and then click the menu button to return to the main interface.

**about >: Check firmware version information.**

## Firmware Upgrading

The iFocus handunit can be upgraded separately or together with the iFocus by connecting via Multi-CAN cable.

### Operating instructions

- Turn off the handunit and follow focus motor.
- Connect the handunit and follow focus via Multi-CAN cable, and connect the handunit to the computer via Type-C cable.
- Long press the power button on the follow focus for 3s until the white indicator light is on.
- Hold the top button and don't release, then click the power button (hold the top button and the power button at the same time) until "Boot Mode" pops up on the screen, the handunit enters into the boot mode.
- Launch the MOZA Master software, the software will automatically enter the upgrade interface. After the firmware download is complete, click "upgrade" button and wait about 30s.
- During the upgrade, the screen will display 'Upgrading', after the upgrade is complete, the screen will display 'Upgrade Success';
- Restart the handunit and follow focus.

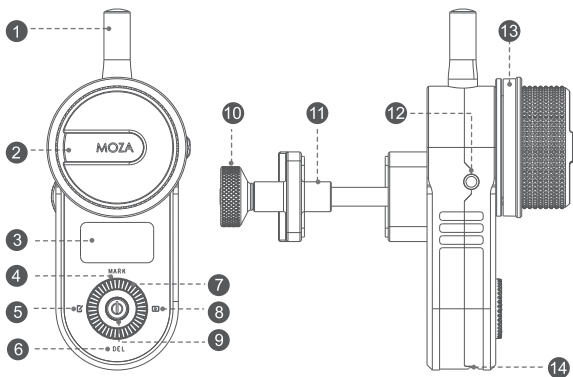
**⚠ Note:** iFocus motor can be used with the handunit only when their firmware can match. Please upgrade iFocus motor with wireless handunit together to control the iFocus motor.

## Specifications

Weight	208g
Dimensions	38*92*48mm
Operation Voltage	3.7V
Battery Capacity	750mAh
Upgrade/Charging Port	USB-C
Temperature	0--50 C

# 认识MOZA IFocus Handunit

## 遥控器



① 天线

② 手轮

③ OLED显示屏

④ MARK键

⑤ 录制键

⑥ DEL键

⑦ 拨盘

⑧ 播放键

⑨ 开关键

⑩ 管夹锁紧螺丝

⑪ 管夹

⑫ Multi-CAN接口

⑬ 标记环

⑭ USB-C接口

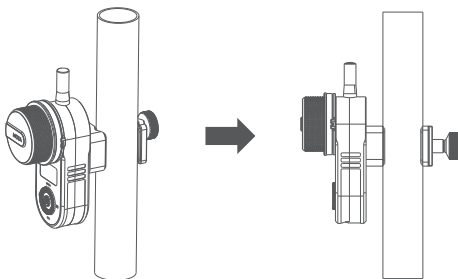


## 入门

### 安装

- 将管夹锁紧螺丝拧松；
- 将管夹套入安装遥控器的圆管上；
- 拧紧管夹锁紧螺丝。

**⚠ 注意：** 遥控器的管夹能夹持在直径为15mm到32mm的圆管上。



### 充电

使用USB-C线将遥控器连接到充电器，遥控器的显示屏会显示充电图标和电量，电池充满后，充电图标消失。

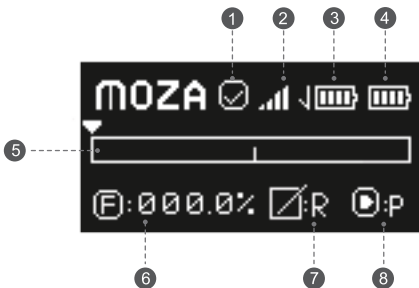
### 按键功能定义

界面	操作	上 ( MARK )	下 ( DEL )	左 ( REC )	右 ( PLAY )	电源
主界面	单击	——	——	——	——	进入菜单
	长按3 s	——	——	开始/结束录制	开始/结束播放	关机
菜单	单击	选择条上移	选择条下移	返回	确认	返回主界面

### 开机、关机

长按电源键3秒，屏幕上显示MOZA图标则开机成功。开机状态下，长按电源键3秒即关机。

## 状态显示



- |                                       |         |
|---------------------------------------|---------|
| 1 行程校准状态(×显示跟焦器行程未校准<br>√显示焦器行程校准成功)  | 5 行程显示条 |
| 2 跟焦器连接状态(图标左上角有×表示未连接,<br>×消失表示连接成功) | 6 行程百分比 |
| 3 跟焦器电量(只显示含电池的跟焦器电量)                 | 7 示教录制  |
| 4 遥控器电量                               | 8 示教播放  |

## 连接跟焦器

### 配对

- 关闭跟焦器；
- 打开遥控器，进入菜单，选择Wireless>Pair>Pairing；
- 跟焦器开机，等待2秒，遥控器屏幕会显示“Pair OK！”，配对完成。

⚠ 注意：配对成功后，需要使用前先设置跟焦器的行程，设置完成后才能正常控制跟焦器，参考第10页跟焦器电机设置中的设置跟焦器行程部分。遥控器与跟焦器未连接（包括刚开始就未能成功连接和成功连接后又断开了）的情况下操作时会显示iFocus unpaired！

### 智能示教功能-录制

- 长按录制按键，录制图标闪烁，开始录制
- 操作手轮，跟焦器运动轨迹数据将会被记录
- 录制完成后，长按录制按键，结束录制

⚠ 注意：录制最长时间1分钟，超时则自动结束录制。

## 智能示教功能-播放

- 长按播放键，播放图标闪烁，开始播放之前录制好的轨迹
- 再次长按播放键，停止播放

## 菜单介绍

wireless>Pair>：配对，请参考第9页进行配对操作

### focus>：跟焦器电机设置

focus>set AB：设置跟焦器的行程

使用遥控器控制跟焦器前，请务必先完成此操作，点击右键开始操作。

- 将跟焦器齿轮转动到起始位置，单击拨盘右键确认(如图)

```
1.Turn to the po  
int A. Klik [right]  
button to con  
firm.
```

- 将跟焦器齿轮转动到结束位置，单击拨盘右键确认(如图)

```
2.Turn to the po  
int B. Klik [right]  
button to con  
firm.
```

- 行程设置成功(如图)

```
3. Setting point  
A&B completed !
```

- 点击拨盘左键返回上一级菜单，再单击菜单键返回主界面。

focus>set dir：设置跟焦器转动方向， '+' 表示遥控器手轮转动和跟焦器齿轮转动同向； '-' 表示遥控器手轮转动和跟焦器齿轮转动反向；

```
set AB >  
set dir [+]  
calib motor >
```

```
set AB >  
set dir [-]  
calib motor >
```

calib motor> : 跟焦器电角度校准

calib motor电角度校准功能需在固件升级后校准一次，不建议频繁校准。

### wheel > wheel Calibrate> : 手轮校准

遥控器使用手轮控制跟焦器运动。设置手轮的行程，手轮将只有在设置的行程范围内可以控制跟焦器转动。如手轮异常，则需要进行手轮校准。点击右键开始操作

a. calib endpoint>界面下单击拨盘右键开始设置手轮的起始和结束位置。



b. 将手轮转动到起始位置，单击拨盘右键确认（如图）；

A dark grey rectangular box containing white text: "1. Turn to the starting point; Click [right] button to confirm."/>

1. Turn to the starting point; Click [right] button to confirm.

c. 将手轮转动到结束位置，单击拨盘右键确认（如图）；

A dark grey rectangular box containing white text: "2. Turn to the end point; Click [right] button to confirm."/>

2. Turn to the end point; Click [right] button to confirm.

d. 手轮校准成功（如图）

A dark grey rectangular box containing white text: "3. calibration completed !"/>

3. calibration completed !

e. 点击拨盘左键返回上一级菜单，再单击菜单键返回主界面。

about> : 查看遥控器固件版本信息

## 固件升级

iFocus 遥控器可以单独连接电脑升级，也可以连接上multi-CAN线和iFocus跟焦器一起升级。

操作如下：

- 将跟焦器和遥控器关机
- 用Multi-CAN连接跟焦器和遥控器，使用Type-C连接线连接遥控器和电脑（遥控器单独升级时，使用附送的type-c连接线连接遥控器和电脑。）
- 长按跟焦器电源键3s，直至白灯点亮；
- 按下拨盘上键，不要松开，然后单击电源键（同时按住上键与电源键），屏幕上会显示‘Boot Mode’，即进入固件升级状态；
- 启动MOZA Master软件，软件会自动进入升级界面，等待固件下载完成后，点击‘升级’按钮，等待约30秒；
- 升级过程中，遥控器屏幕会显示“Upgrading”
- 升级完成后，屏幕会显示“Upgrade success”，重启跟焦器和遥控器即可。

**⚠ 注意：**iFocus跟焦器固件版本需要和遥控器固件版本匹配才可一起使用。iFocus跟焦器配合遥控器升级固件后才能和遥控器适配。

## 规格参数

重量	208g
尺寸	38*92*48mm
工作电压	3.7V
电池容量	750mAh
升级/充电接口	USB-C
工作温度	0-50°C

# 产品保修卡

## 用户资料

产品型号	MOZA iFocus Handunit
购买日期	
姓 名	
电 话	
地 址	

## 产品保修条例

### 保修期

自购机日起，遥控器主体保修12个月；电机、电池保修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: \_\_\_\_\_