



SmallRig 3781 MagicFIZ Wireless Follow Focus User Manual

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SmallRig 3781 MagicFIZ Wireless Follow Focus



In order to ensure user's safety and prevent the product damages caused by any improper use, please carefully read the "Warnings" below and properly keep this User Manual for future reference.

Foreword

Thank you for purchasing SmallRig's product.

Warnings

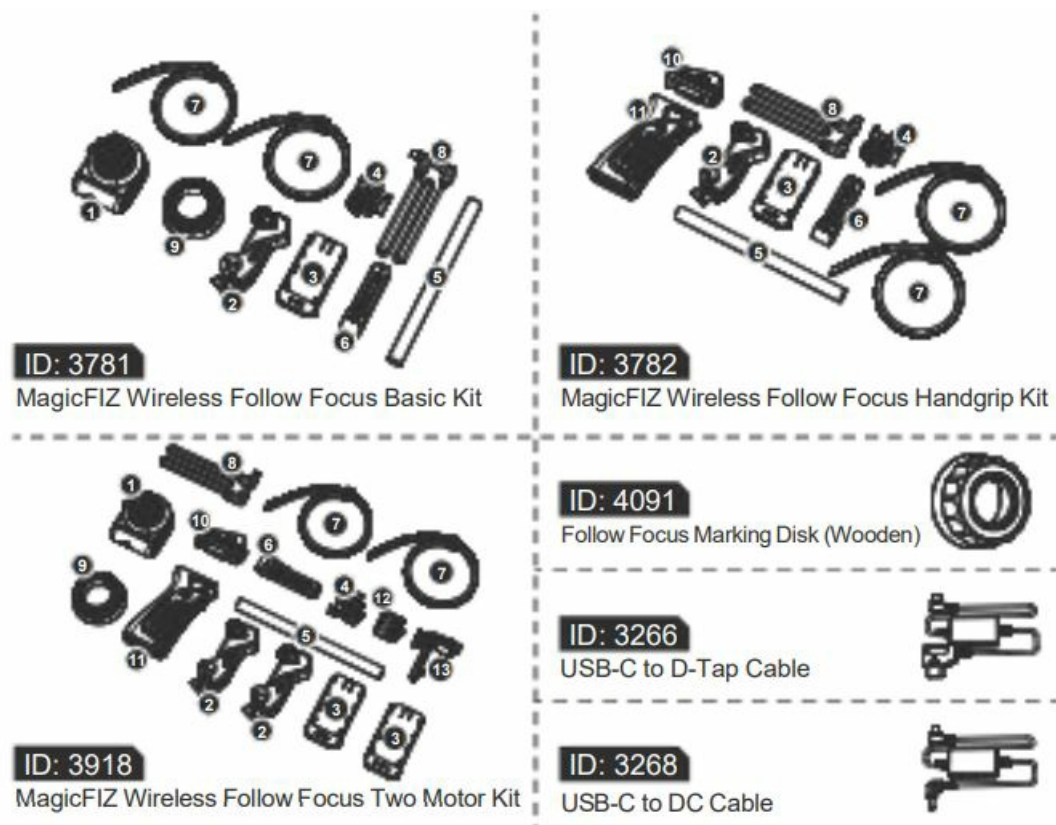
- Please read this User Manual carefully.
- Do not use the product in water because it is not dust or water proof.
- Do not let the product fall to the ground, be hit or suffer violent impact.
- Never remove the non-detachable lithium battery without permission.
- Since there are some hazardous substances in the battery, please do not discard it. Instead, dispose of the product that is damaged or will never be used according to the waste management measures.
- When the battery is not in use for a long time, please charge and discharge the battery each 6-month, and provide it with approximately 60% of the electric quantity to prolong its use life.

Please do not disassemble the product or change its battery. If you have any question, please contact the seller to apply aftersales service.

Intended Use

- Please read this User Manual carefully, especially the "Warnings" .
- Please use or store the product in the environment mentioned herein.
- It will be regarded as an improper use when the users are not correctly following the user manual or use the product under the specific working condition.

Kits and Accessories

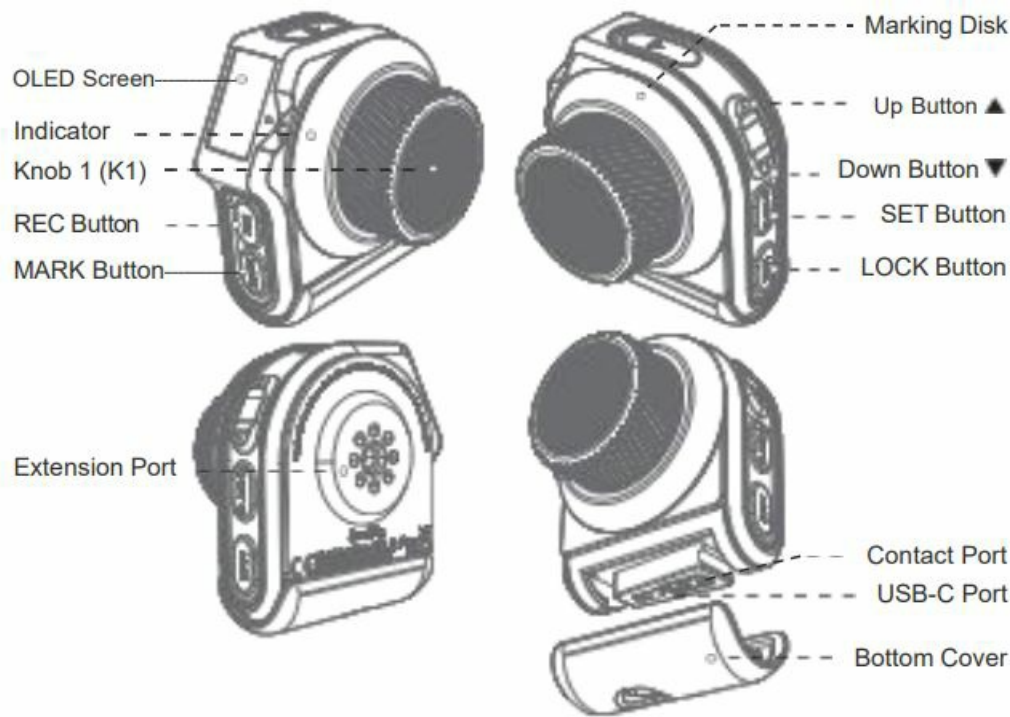


In the Box

ID: 3781 <ul style="list-style-type: none"> 1 Wireless Handwheel Controller × 1 2 Wireless Receiver Motor × 1 3 Battery Plate × 1 4 Handgrip Adapter × 1 5 Φ15mm Rod × 1 6 Rod Clamp with NATO Rail × 1 7 Snap-on Follow Focus Gear Ring × 2 8 USB-C to USB-C Cable × 1 9 FollowFocus Marking Disk (Silicone) × 1 Spanner × 1 User Manual × 1 Carrying Bag × 1 	ID: 3782 <ul style="list-style-type: none"> 10 Electronic Controller Module × 1 2 Wireless Receiver Motor × 1 11 Wireless Handgrip × 1 3 Battery Plate × 1 4 Handgrip Adapter × 1 5 Φ15mm Rod × 1 6 Rod Clamp with NATO Rail × 1 7 Snap-on Follow Focus Gear Ring × 2 8 USB-C to USB-C Cable × 1 Spanner × 1 User Manual × 1 Carrying Bag × 1 	ID: 3918 <ul style="list-style-type: none"> 1 Wireless Handwheel Controller × 1 11 Wireless Handgrip × 1 10 Electronic Controller Module × 1 2 Wireless Receiver Motor × 2 3 Battery Plate × 2 4 Handgrip Adapter × 1 12 Shoulder Rig Adapter × 1 13 MonitorAdapter × 1 5 Φ15mm Rod × 1 6 Rod Clamp with NATO Rail × 1 7 Snap-on Follow Focus Gear Ring × 2 8 USB-C to USB-C Cable × 1 9 FollowFocus Marking Disk (Silicone) × 1 Spanner × 1 User Manual × 1 Carrying Bag × 1
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Product Function Description

Wireless Handwheel Controller



- **REC Button:**

1. REC Recording ON / OFF Function;
2. Machine ON / OFF Function.

- **MARK Button:**

1. A-B Marks;
2. Automatic Lens Calibration.

- **Up / Down Button :**

1. Channel Adjustment;
2. Motor Number Adjustment;
3. Page Up / Page Down.

- **SET Button:**

1. Press and hold the button to enter or exit the current option;
2. Click the button to activate or confirm the current option.

- **LOCK Button:** For preventing misoperation; turn on/ off the switch by double click.

- **Knob 1 (K1):** Fine control of Wireless Receiver Motor.

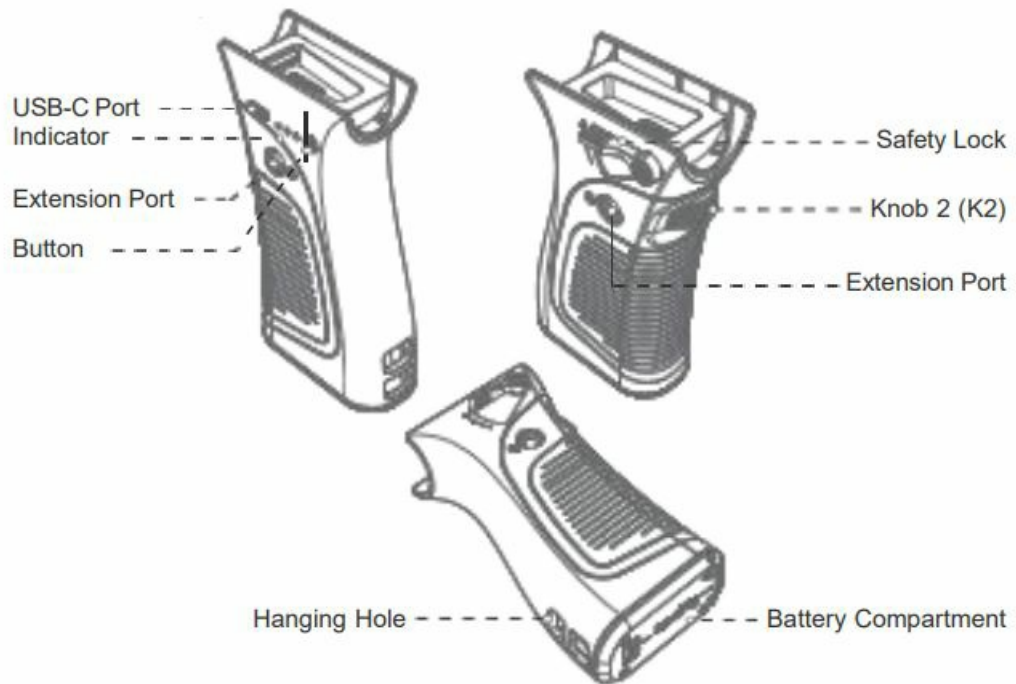
- **Indicator:** Six color display, including red – green – blue – yellow – pink – white.

- **USB- C Port:** Charging and wired communication port.

- **Contact Port:** Charging and communication port.

- **Extension Port:** 1/4"-20 threaded hole.

- **Marking Disk:** Replaceable.



USB- C Port:

1. Charging and discharging;
2. Communication.

Indicator:

Battery level and status display.

Button:

Click to show current battery level.

Safety Lock: For preventing accidental falling off.

Knob2 (K2):

Control Wireless Receiver Motor.

Extension Port:

For connecting with external accessories.

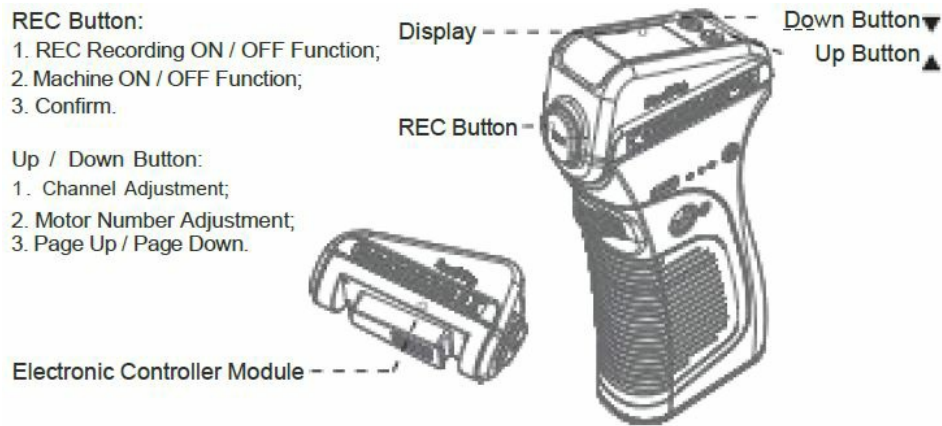
Battery Compartment:

Suitable for LP- E6 battery.

Hanging Hole: For assembling lanyard.

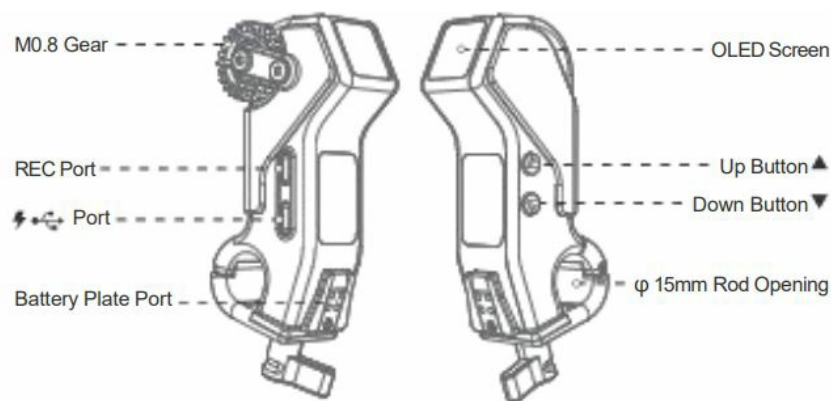
Wireless Follow Focus Controller Kit

(Combination of Wireless Handgrip + Electronic Controller Module)



The Electronic Controller Module can be used only with the Wireless Handgrip.

Wireless Receiver Motor



Up / Down Button: 1. Channel Adjustment; 2. Motor Number Adjustment.

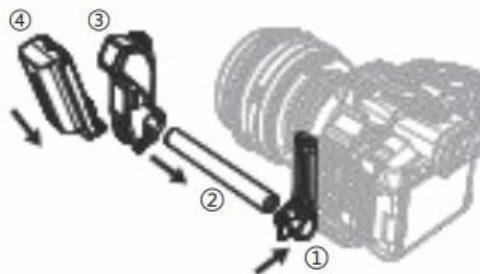
REC Port: Connect the camera REC port for wired control.

Port: Power supply and communication Port.

Battery Plate Port: Used with Battery Plate (ID: 3777), compatible with NP-F batteries.

Instruction of Product Installation and Power Supply

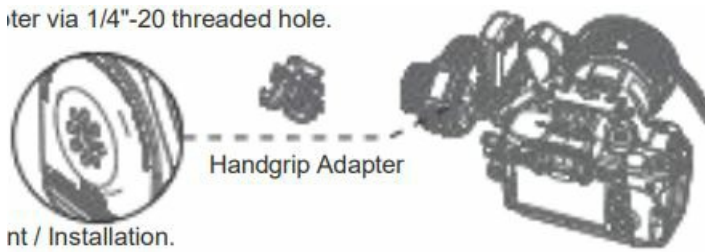
1. Installation Guide for Wireless Receiver Motor Install the Wireless Receiver Motor on the camera side by use of the included accessories.



2. Installation Guide for Wireless Handwheel Controller

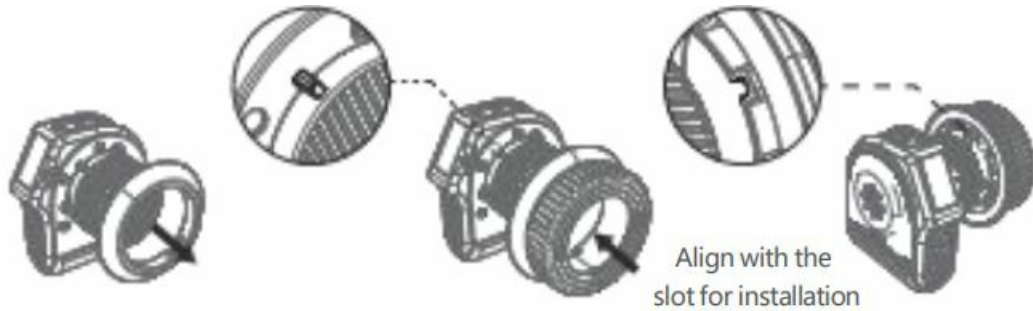
1. Install the Wireless Handwheel Controller on the camera side by use of the Handgrip Adapter via 1/4"-20 threaded hole.

ter via 1/4"-20 threaded hole.



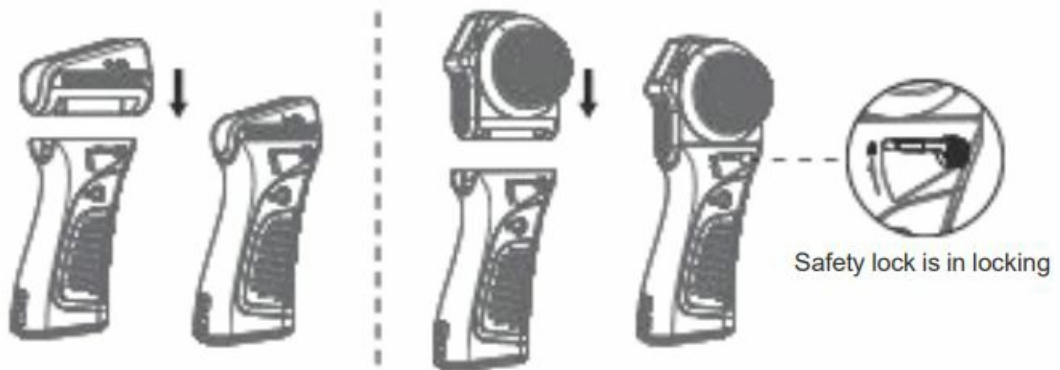
nt / Installation.

2. Marking Disk Replacement / Installation.



3. Installtion Guide for Wireless Handgrip

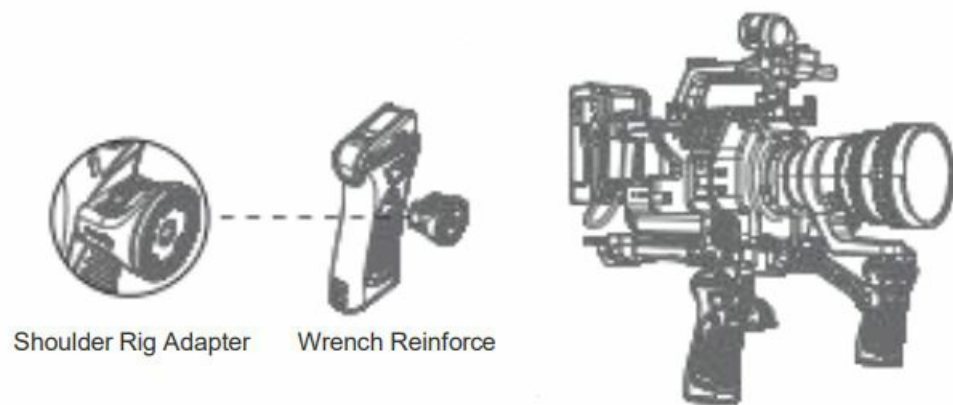
1. Combined Installation of Electronic Controller Module, Wireless Handwheel Controller, and Wireless Handgrip.



2. The Wireless Handgrip is suitable for both left and right hands.

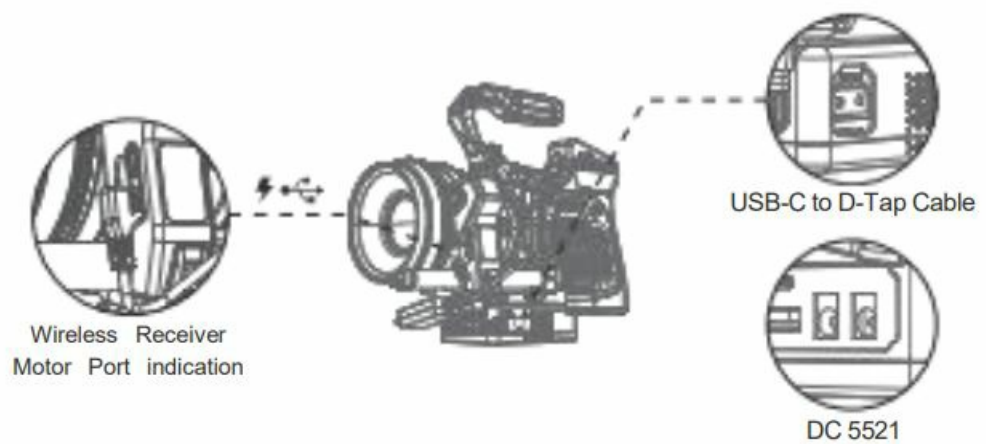


3. Installation Guide for Shoulder Rig Adapter,VCT-14 Extension Arm, and ARRI Rosette

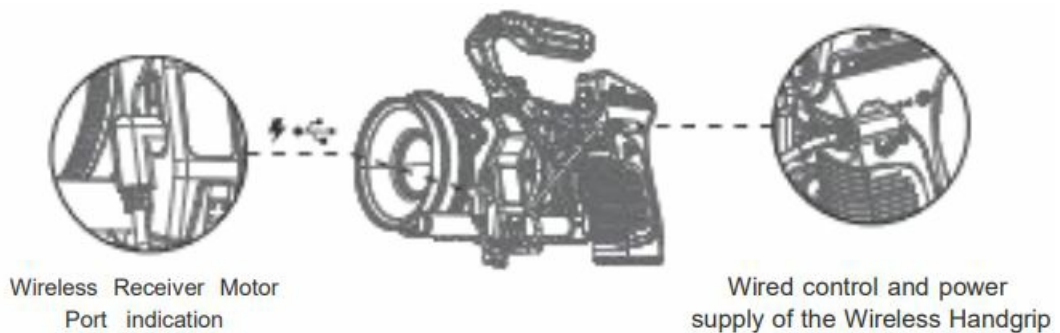


4. Instruction for Wireless Receiver Motor Power Supply

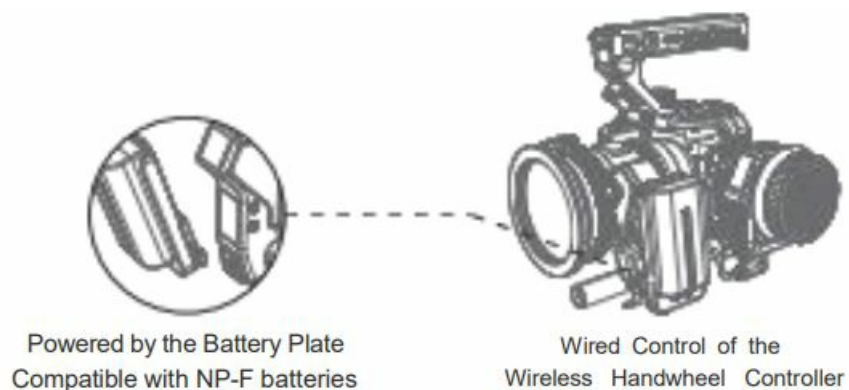
1. Use the USB-C to D-Tap Cable (ID: 3266) or USB-C to DC Cable (ID: 3268) to connect the V-mount battery for powering the Wireless Receiver Motor



2. Use the standard USB-C to USB-C cable to connect the Wireless Handgrip for powering the Wireless Receiver Motor, achieving the cabled control.

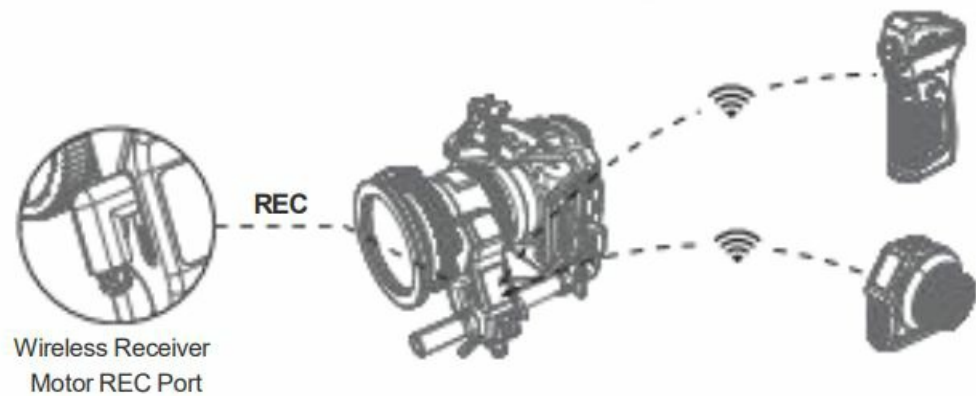





3. Power the Wireless Receiver Motor through the Battery Plate.



5. Instruction for REC Wiring

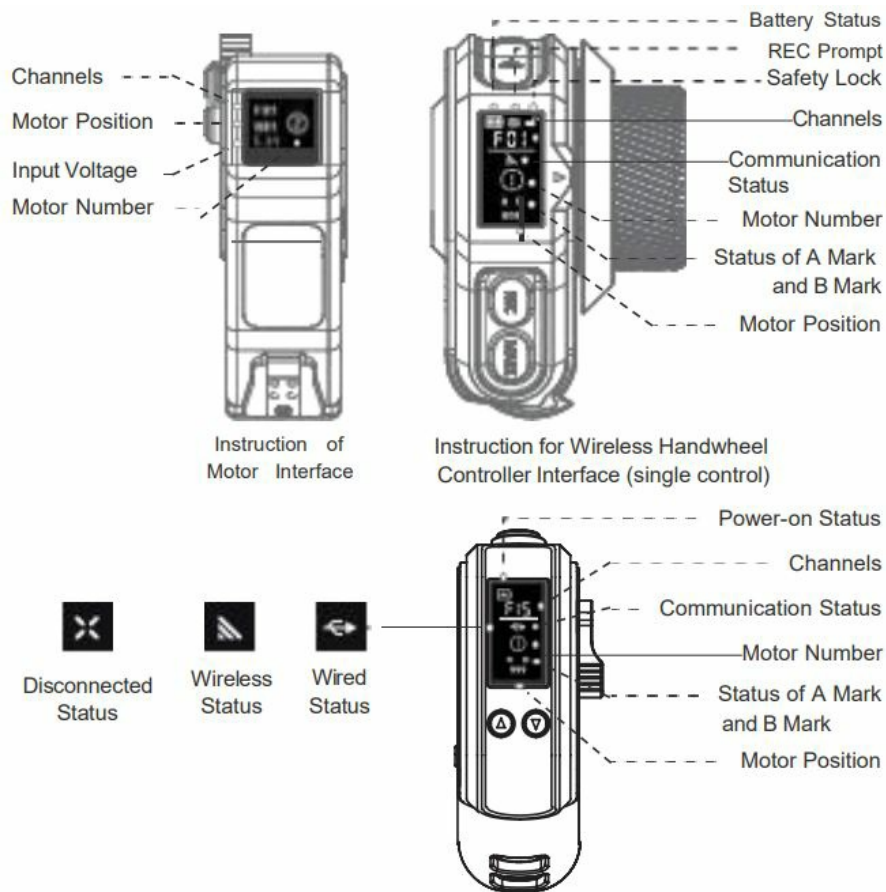
1. Connect one end of the control cable with the Wireless Receiver Motor and the other end with the camera; wirelessly control the video REC recording through the Wireless Handwheel Controller and Electronic Controller Module.



Sony	FUJIFILM	Panasonic	Z CAM
			
ID: 2971	ID: 2970	ID: 3325	
A7, A7R, A7S, A7II, A7RII, A7SII, A7SIII, FX3, A7III, A7RIII, A7 IV, A7R IV, A9, A9 II, A5100, A6000, A6100, A6300, A6400, A6500, A6600, RX100 III, RX100IV, RX100V, RX100 VI, RX100 VII	X-T3, X-T4, X-T20, X-T30	S5, S1, S1R, S1H, BS1H, GH4, GH5, GH5S, GH6, G9, G95	E2, M4, S6 BGH1(Panasonic)

2. Directly connect the Wireless Handwheel Controller and Electronic Controller Module with the camera BLE to wirelessly control the REC recording.

Interface Instruction

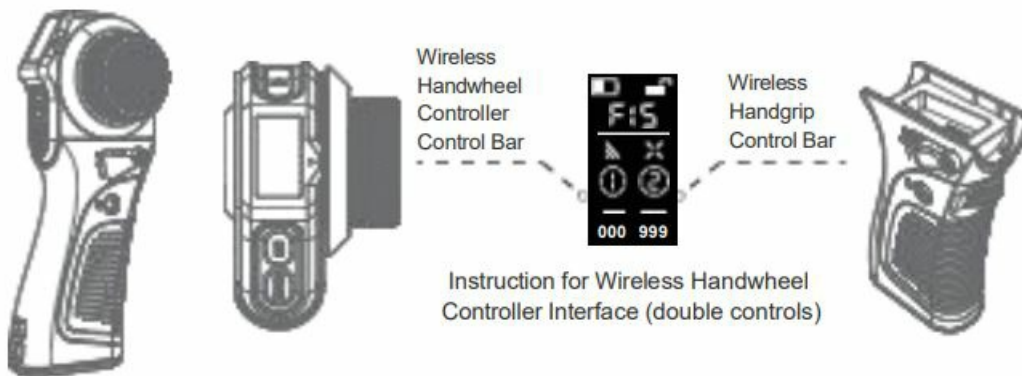


Instruction of Motor Interface

Instruction for Wireless Handwheel Controller Interface (single control)

Instruction for Wireless Handwheel Controller Interface (double controls)

Instruction of Instruction for Wireless Handwheel Motor Interface Controller Interface (single control)

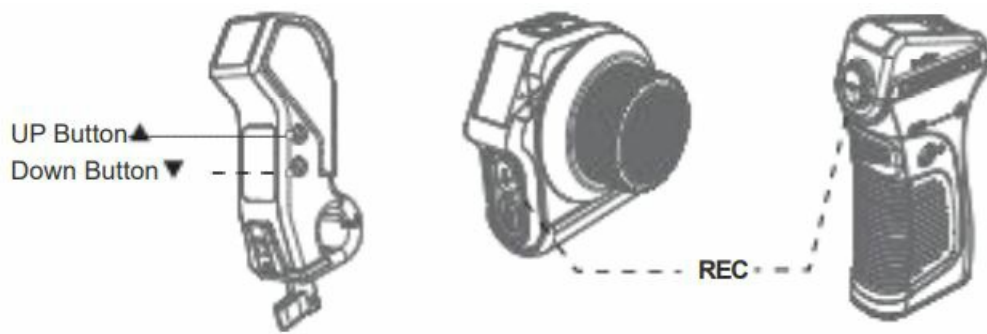


Instruction for Electronic Controller Module Interface

Basic Operation

1. ON / OFF Operation

1. Press and hold the UP / DOWN button to turn on the machine; press both buttons simultaneously to turn off the machine.
2. Press and hold the REC button to turn ON / OFF the machine.



2. Channel Adjustment

Double-click ▲ / ▼ of the Wireless Receiver Motor / Wireless Handwheel Controller / Electronic Controller Module to select the channel.

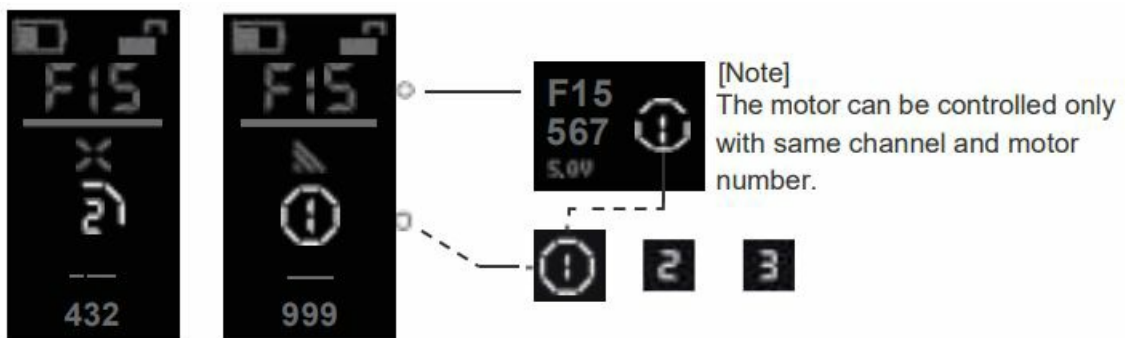


3. Motor Number Adjustment

Wireless Receiver Motor: Press and hold ▲ to activate the motor number; click ▲ / ▼ to adjust the number; press and hold ▲ to exit.



Wireless Handwheel Controller Single-Display Mode: Click SET "SET" to activate the motor number; click ▲ / ▼ to adjust the number; press and hold SET "SET" to exit.



Wireless Handwheel Controller Double-Display Mode: Click SET "SET" to activate the motor number and switch the control; click ▲ / ▼ to adjust the number; press and hold "SET" to exit.



Electronic Controller Module Handgrip Mode: Press and hold ▲ to activate the motor number; click ▲/▼ to adjust the number; press and hold ▲ to exit.





4. Lens Calibration (automatic / manual)

Method 1-1: Automatic lens calibration with the Wireless Handwheel Controller

Press and hold MARK “” to start the calibration; click ▲/▼ to adjust the motor number.



Method 1-2: Manual lens calibration with the Wireless Handwheel Controller


The automatic lens calibration lasts for over 20s, or click MARK “” to switch to manual mode automatically, Click MARK “” to confirm starting point and ending point.

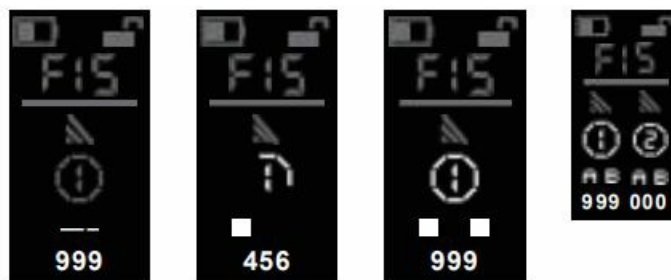
Method 2: Automatic lens calibration with Wireless Receiver Motor


Press and hold ▼ to calibrate the lens automatically; click ▼ to confirm starting point and ending point.



5. A-B Marks Setting

Wireless Handwheel Controller: Click MARK “”, the dotted line jumps; then click A Mark and B Mark for a customized limit; click again to cancel the A-B Marks.



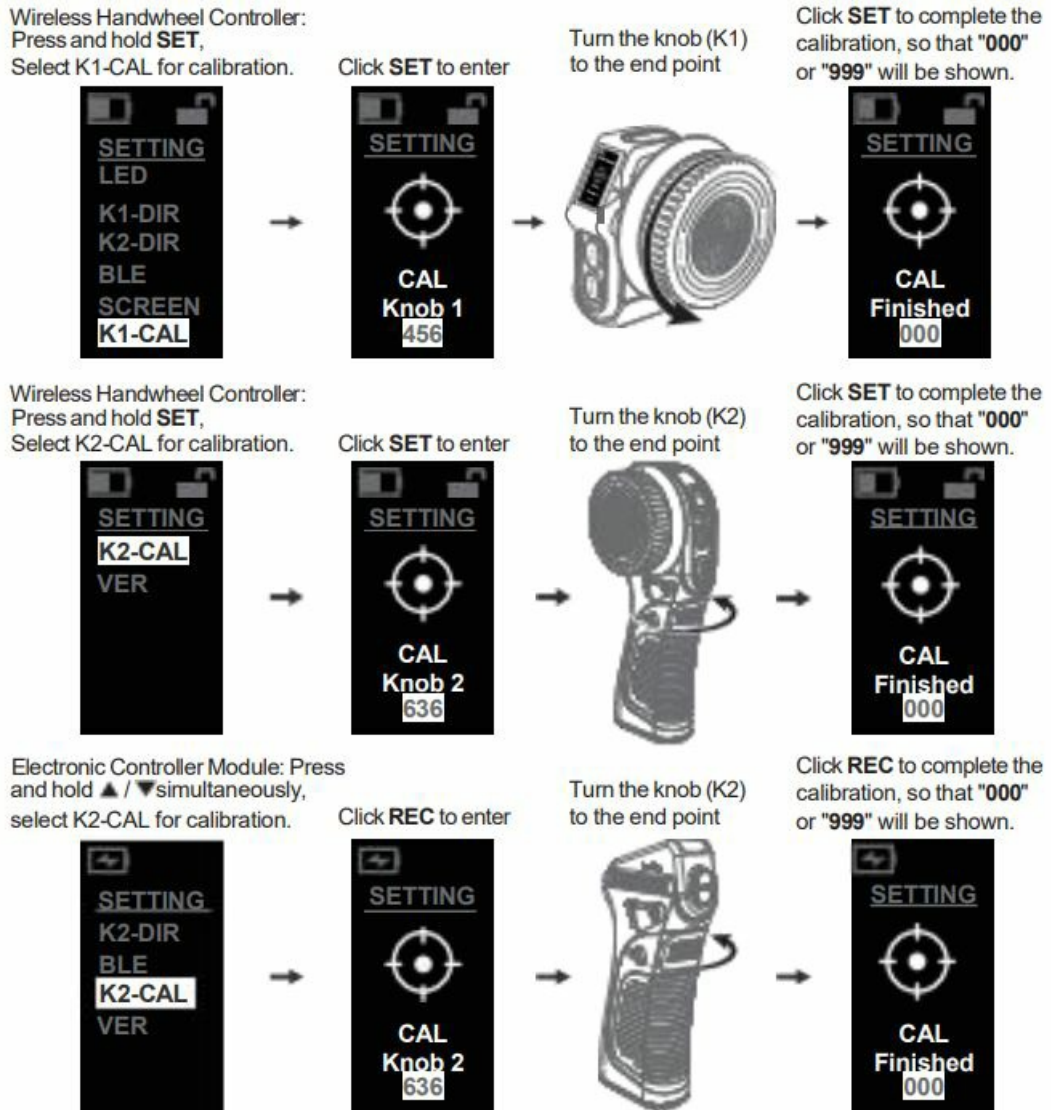
Electronic Controller Module: Click ▲/▼ simultaneously and click REC “” to set A Mark and B Mark; click ▲/▼ simultaneously to cancel the A-B Marks.



6. Reset Calibration

It is required to reset and calibrate the Wireless Handwheel Controller and Wireless Handgrip when:

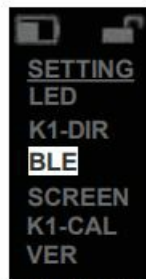
1. The knob is turned to the end point and the motor is reversed rapidly.
2. The knob is turned to the end point and the non "000" or "999" position information is shown.



7. BLE Connection

Camera Setting: BLE Setting → BLE Function → On Status → Click to Match.

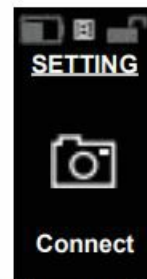
1. Wireless Handwheel Controller BLE Setting:



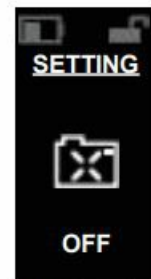
Press and hold **SET** to enter / exit the menu, click **▲** / **▼** to turn pages, click **SET** to enter options



Click **SET** to start BLE scanning



Scanning connection is successful, and camera confirms the matching



Click **▲** / **▼** to turn off BLE

2. Electronic Controller Module BLE Setting:



Press and hold **▲** + **■** simultaneously to enter / exit the menu, click **▲** / **▼** to turn pages, click **REC** button to enter options.



Click **REC** button to start BLE scanning



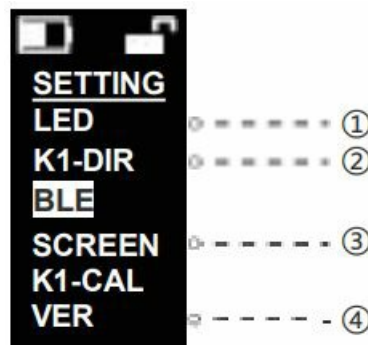
Scanning connection is successful, and camera confirms matching




Click **▲** / **▼** to turn off BLE


8. Other Operations


1. LED: The indicator shows RED → GREEN → BLUE → YELLOW → PINK → WHITE → OFF.
2. K1 – DIR: Positive and negative rotation switching of the motor controlled by the Wireless Handwheel Controller.
3. SCREEN: Screen inversion display.
4. VER: Version information.



Specifications

Wireless Handwheel Controller		Screen Size	OLED 0.96"
		Battery Specification	3.7V / 1400mAh / 5.18Wh
		Full Battery Life	20h (without light display status)
		Input Voltage	5V ~ 12V
		Operating Current	Approximate 0.14A
		Channels	F00 ~ F15: 16 in total, 3 motor numbers
		Maximum Transmission Distance	≤100m (Ideal Conditions)
		Communication Frequency	2.4000 ~ 2.4835GHz

Wireless Follow Focus Controller Kit		Screen Size	OLED 0.96"
		Applicable Battery Types	LP-E6 / LP-E6N
		Input Voltage	5V ~ 16.8V
		Full Charge Duration	Approximate 1h30 min
		Output Power	5V 2A 9V 2A
		Full Battery Life	Approximate 40h
		Loading Range	≤6kg
		Side Power Display	20% – Red Light, 60% – Green Light, 100% – Green Light

Wireless Receiver Motor		Screen Size	OLED 0.52"
		Peak Torque	0.5N.m
		Input Voltage	5V ~ 16.8V
		Maximum Transmission Distance	≤100m (Ideal Conditions)
		Communication Frequency	2.4000 ~ 2.4835GHz
		Input Voltage of External Battery	7.4V ~ 8.2V
		Compatible Rods	Standard Φ15mm Rod



QR code of the Wireless
Follow Focus System



QR code of the Wireless
Follow Focus product lines

For more methods, please scan the code for details.

FCC Compliance Statement

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning

Changes or modifications not expressly approved by the party responsible for compliance 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, 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 reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment to an outlet in a different circuit than the receiver is connected to. Consult the dealer or an experienced radio / TV technician for help.

RF Warning Statement

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

FCC ID: 2AZWI-3262LEQI FCC ID: 2AZWI-3263LEQI FCC ID: 2AZWI-3917LEQI

ISED Statement

This device contains licence- exempt transmitter(s) / receiver(s) that comply with Innovation, Science and Economic Development Canada' s licence- exempt RSS(s) . Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES- 3 (B) / NMB- 3 (B) .

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

RFExposure

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

Guarantee Card

Serial No.
Item Name
Purchase Date
User Name
Mobile
Address
Receipt

Service Warranty

Please keep your original receipt and guarantee card. Be sure the dealer has written on it the date of purchase and SN of the product. These are required for warranty service.

After- sale warranty terms

1. 7 Days DOA Return Policy: Within 7 days from the date of the package receipt, return or replacement can be done if the item received is malfunctioning or physical damaged (not caused by human abused), return shipping cost will be on SmallRig's charge.
2. 1- Year Warranty: Within 1- year from the date of the package receipt, defective product which is not caused by human abused is eligible to get repair / replacement for free; defective product which is caused by human abused, repair / replacement will be charged based on the damage level.

This warranty does not cover:

1. Defect caused by users' violation of the "Warnings" and "Intended Use" .
2. The product identification or SN label is removed or defaced in any way.
3. The product is serviced or repaired by any one other than our company or the service agency authorized by our company.

The product has been covered by the liability insurance of PICC Property and Casualty Co., Ltd.

Manufacturer: Shenzhen Leqi Network Technology Co., Ltd.

Add: Rooms 103, 501 and 601, Building 5, Fenghe Industrial Park, Nos. 1301-50 Guanguang Road, Longhua District, Shenzhen, Guangdong, China.

www.smallrig.com

Documents / Resources

SmallRig



MagicFIZ Wireless Follow Focus System
- User Manual -

[SmallRig 3781 MagicFIZ Wireless Follow Focus](#) [pdf] User Manual

3781 MagicFIZ Wireless Follow Focus, 3781, MagicFIZ Wireless Follow Focus, Wireless Follow Focus, Follow Focus

Manuals+.