

I. Features

- Energy Saving Patent Design.
- Built-in Rechargeable Lithium Battery Pack.
- It has automatic correction function for the displacement generated by braking.
- The built-in control parts of motor are sealed well for better safety.
- It's easy to switch the mode between inching and interlock and control operation direction.
- Electronic limits setting, 6 limits can be set (2 end limits and 4 middle limits).
- Short circuit protection & open circuit protection for sensor.
- Built-in low power Zigbee module and APP intelligent control function.

This device complies with Part 15 of the FCC rules. Operation is subjected 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. Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. The distance between user and products should be no less than 20cm. 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.

Operation Instruction

Power ON

The red light flashes to indicate when power on

Turn the dial switch to right side, the motor is power on

Power OFF

Turn to left side, the motor is power off

Power OFF

2. Programming Preparation

* If there is no action in 10 seconds, the motor will exit programming automatically.

Motor jogs once. The red light flashes to indicate when power on

Press PROG button for 1s

Motor jogs once. The motor is now in setting mode

Method A

Press UP button under pairing mode

Motor jogs once, the motor and remote are now paired

4. Change Direction

Motor jogs once. The motor is now in setting mode

Press and hold STOP button on programmed remote for 5s

Motor jogs once. The motor is now reversed.

Method B

5. First limit position setting

Press PROG on the programmed remote for 1s

The motor jogs once, it is now in setting mode

The first limits can be Upper or lower position, then Upper limit is first limit

If press DOWN button, then lower limit is first limit

Adjust the motor to the desired position, then press STOP, then press PROG

Motor jogs once, the limit position is saved

6. Other limit position setting

* If there's no any action within 30's, the motor will exit from limit position preparation automatically

Adjust the motor to desired position, press STOP, then press PROG for 1s

The motor jogs once, it gets into setting mode

Press PROG button again

The motor jogs once again, the limit position setting is done

7. Limit position fine-tuning

Adjust motor to the limit position, then press PROG button once

The motor jogs once, it gets into setting mode

Fine-tuning the motor to the desired position

Press PROG button to save settings

The motor jogs once, fine-tuning is done

8. Tilt angle adjustment (Special for Zebra blinds, Shangri-la blinds etc.)

Press and hold UP+DOWN buttons for 5s at the same time

Motor jogs, then it gets into adjusting mode

Press UP button, then press DOWN button, it gets a greater angle

Press and hold STOP button, then press UP button, it gets a smaller angle

Motor jogs then the adjustment is done

Then press and hold STOP button for 2s to save and exit adjusting mode

The motor jogs once, setting is saved

9. Jog movement & Continuous movement switching

* The default movement of the motor is continuous, can be changed to jog movement by pressing the "JOG" button on the remote control during fine tuning mode. If APP control, it is continuous movement.

Under the programming preparation, press the remote "STOP" button

Motor jogs once, the switching is done

Under the programming preparation, press the "PROG" on the back of programmed remote

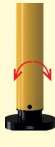
Motor jogs once, single remote is deleted

10. Delete Single Code

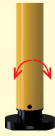
11.Delete the limit position



Let the motor run to the limit position which needs to be deleted, press PROG for 7s



The motor jogs once after 1s then goes into setting mode



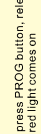
The motor jogs once again after 7s, the preset limit position is now deleted

12.Reset motor

* Make sure the interval between every actions less than 1s



Method A



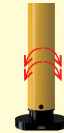
Short press PROG button, release when red light comes on



Press PROG button again, release when red light comes on



Press and hold PROG for 3s, release until red light flashes twice



Press PROG button and hold until motor jogs twice. The reset is done



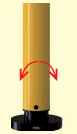
Method B



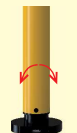
Motor jogs once



Press back PROG for 7s within 10s



Motor jogs once in 1s



Motor jogs two more times in 7s, the reset is done

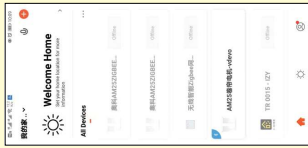
13.Supplemental Instruction

- Max. 6 limit stop positions. (Upper limit/Lower limit and 4 intermediate limit positions)
 - When the first limit position is the up limit position, all other limit positions can only be below this position, the same thing, when the first limit position is the down limit position, all other limit positions can only be set above this position, can't be delete
 - Every limit position can be fine-tuned or deleted separately (the first limit position can only be fine-tuned but can't be deleted separately. It can be deleted when delete all memories)
 - Under the jog mode, short press the up or down button, motor jogs once. Press the up or down button for more than 1s, and the engine moves to the limit positions.
 - Under the continuous move mode, quickly press the up or down button twice on the transmitter, and the motor will go directly to the up or down limit stop position without stopping at the middle limit position.
 - The light is red when charging and will turn to green when fully charged.
 - The motor will stop when the voltage is under 6.8V, and start working at 6.9V; motor moves under 7.0V, the red light will flash(the working voltage)
- Battery shortage alarm:**
The red-light flashes when the battery capacity is below 7.0V, yet it is still in continuous move mode.
The motor will step into jog mode when the battery capacity is below 6.8V, which means you must charge the engine.
h. The motor needs to unlock in a different direction when it is blocked; Need to change the jog mentioned direction if the direction is the same as the jog direction.
When the motor is blocked, it needs to be unlocked in reverse, and if it is in the same direction as the shaking, change the direction of the shaking prompt
i. The charge cable needs to have the data transfer function.
l. The charge cable needs to use TYPE-C charging cable with data transmission function.

14.APP instructions



1.Scan the QR code ,then download and install APP.



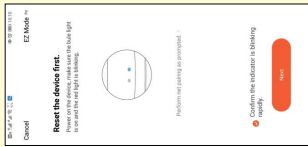
2.on the interface "Welcome home", choose "Add a device" or click "+" at the right corner.



3.On this interface,click "manually add"-"Gateway control"-"Wireless gateway(Zigbee)".



4. choose network and type in password.



5. Gateway power on, long press the setting button on the gateway for 10s, the red light will flash quickly and blue light is on for long. Click "Confirm the indicator is blinking rapidly""next step".



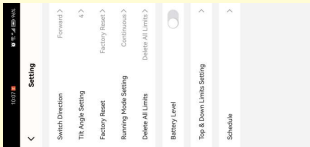
6. Matching Network.

7. Finish adding gateway, click "Done".

8. On the interface of intelligent gateway,click "add sub device".

10. Network Matching.

9. On the interface, make the motor PROG for 6 times constantly by the speed of once every second and hold it for 3 seconds at the 6th press, then the motor jogs entering networking mode, the red light will flash, click the "LED already blink".



11. The motor matches network successfully. The green light stops flashing, and the red light flashes. The motor jogs, you finish adding a device, click "Done".

13. On the interface of controlling device, click "More".

14. On the interface of setting, for further operations.

Trouble Shooting

Item	Problem	Matter	Shooting
1	The motor doesn't work and no any move	A. Power is cut off B. Shortage voltage protection C. Incorrect installation leads to motor sticking	A. Switch it on by button B. Start the motor after charging it for 6 hours C. Check and make sure all parts are installed properly
2	The motor stops suddenly during operation	A. Shortage voltage protection B. Protect the motor when encounter obstacle	A. The motor will resume to work after being charged B. Check if there is something stuck or overloading