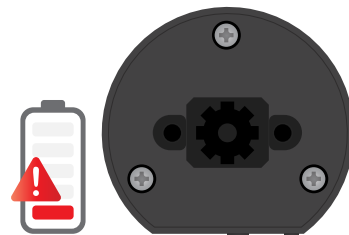# Programming Manual

UQ 27mm HC Li-ion Motor 1.1Nm/2.0Nm
ZM-111/ZM-121

Z-MOTION

Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (mHz)	Voltage Supply (V)	Rated Power (W)	Battery Capacity (mAh)	Degree of Protection (IP)	Maximum Limit Turn (turn)	Working Temperature (°C)
1.1/2.0	20-28	433.92	8/8.4	9.6/12	4000	IP20	∞	-10~60°C

Thank you for choosing our products. Please read this manual carefully before installing and programming the motor. The motor must be installed by a qualified installer in home automation systems, in accordance with instructions from Z-Motion and within the required applicable country laws and regulations. Any use of the motorization outside of the scope previously described is forbidden and failing to follow the instructions correctly contained in this manual, any liability and warranty becomes void from Z-Motion.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver
- Connect the device 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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

PAIRING A MOTORIZED BLIND WITH REMOTE

Remote Control

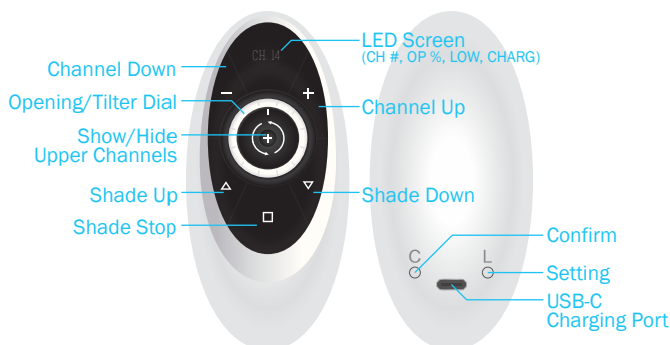**IMPORTANT, PLEASE READ PRIOR TO OPERATION:**
Persons with reduced mental capacity, or lack of experience and knowledge should not be allowed to use this product. Keep pulling wand away from children. Frequently inspect for improper operation. Do not use if repair or adjustment is necessary.
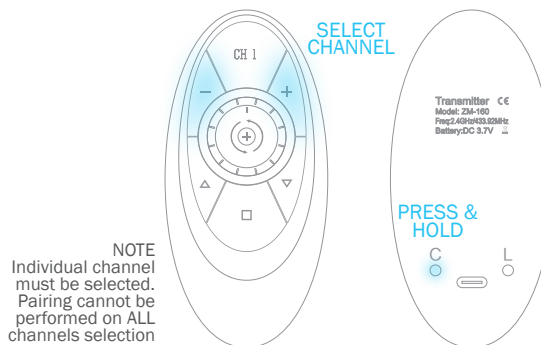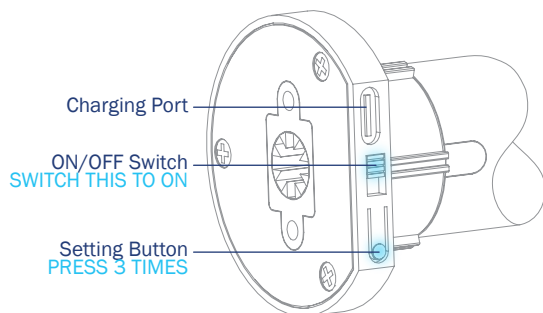
BASIC SPECIFICATIONS
Product name: Ergonomic Remote Control (14 Channels)
Product model: ZM-160
Battery capacity: 200 mAh
Working voltage: DC3.7 V
Standby current: 60UA
Emission current: 5.5 mA
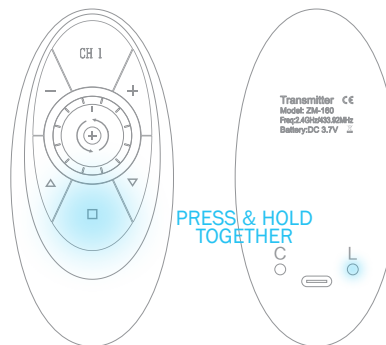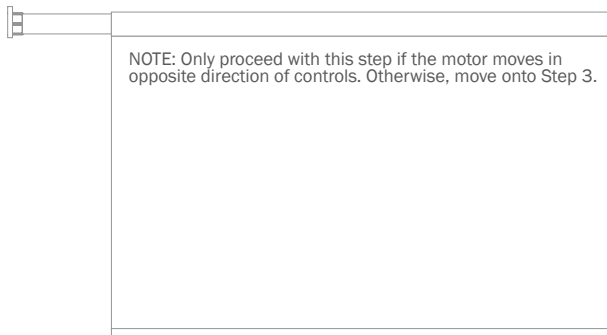Control distance: ≤50 m
Radio Frequency: 2.4 GHz + 433 MHz

NOTE
There is no feature to set favourite positions.
If LOW is showing on LED screen, battery needs charging.

Channel Down
Opening/Tilter Dial
Show/Hide Upper Channels
Shade Up
Shade Stop
LED Screen (CH #, OP %, LOW, CHARG)
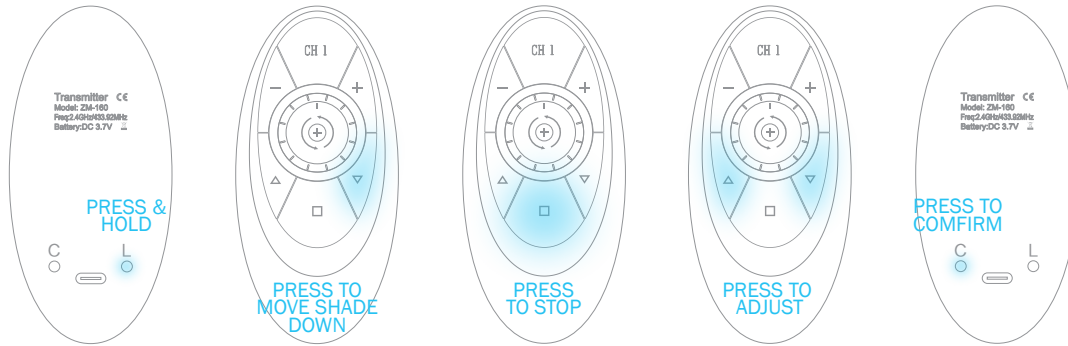Channel Up
Shade Down
Confirm
Setting
USB-C Charging Port

1 Switch motor **ON**, press and hold **SETTING** button until you see the motor jog once — motor will now be in pairing mode. On the remote control, select a channel by using **-** or **+** button. On the back of the remote, press and hold **C** button until motor jogs once.

Charging Port
ON/OFF Switch
SWITCH THIS TO ON
Setting Button
PRESS 3 TIMES

SELECT CHANNEL
CH 1

NOTE
Individual channel must be selected. Pairing cannot be performed on ALL channels selection

Transmitter
Model: ZM-160
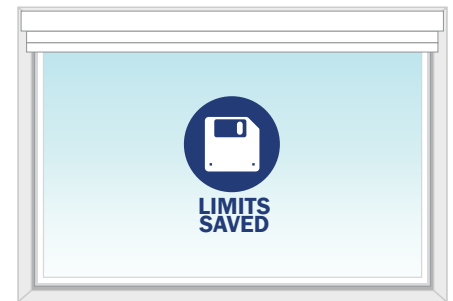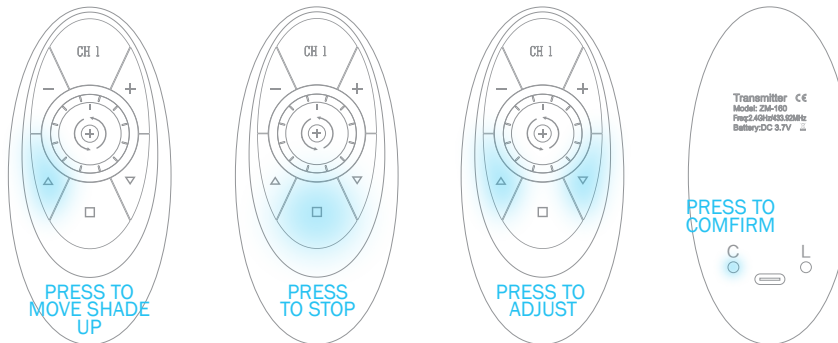Freq:2.4GHz/433.92MHz
Battery:DC 3.7V

PRESS & HOLD

2 Check the direction of the motor by pressing ▲ or ▼ and ensure that it is moving in accordance with the remote control. To change the direction, press and hold the **L** and ■ buttons until the motor jogs once.

NOTE: Only proceed with this step if the motor moves in opposite direction of controls. Otherwise, move onto Step 3.

CH 1

Transmitter
Model: ZM-160
Freq:2.4GHz/433.92MHz
Battery:DC 3.7V

PRESS & HOLD TOGETHER

3 To set limits, press and hold **L** button until you see motor jogging once. To set bottom limit first, press ▼ button to move shade down to desired bottom position and then press ■ to stop shade. To adjust, press ▲ or ▼ according to your needs. Press **C** button to confirm and motor will jog once.

PRESS & HOLD

PRESS TO MOVE SHADE DOWN

PRESS TO STOP

PRESS TO ADJUST

PRESS TO COMFIRM

4 To set upper limit, press ▲ button to move shade up to desired top position and then press ■ to stop shade. To adjust, press ▲ or ▼ according to your needs. Press **C** button to confirm and motor will jog twice.

PRESS TO MOVE SHADE UP

PRESS TO STOP

PRESS TO ADJUST

PRESS TO COMFIRM

LIMITS SAVED

NOTE: You can reset limits by pressing L button until motor jogs once. Then repeat steps 3 & 4.

ADDITIONAL REMOTE FEATURES

PRESS 3 TIMES

NOTE This step can be repeated for various channels.

To delete settings from a programmed channel, press **C** button 3 times. Motor will jog once to confirm deleted channel.

PRESS & HOLD TOGETHER

To switch the motor speed, press & hold **C** and **L** buttons until motor jogs. Motor will jog once for slow speed and twice for fast speed.
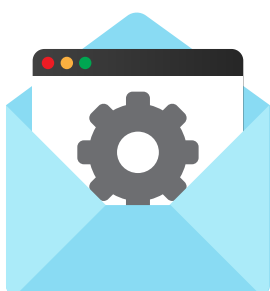
PRESS & HOLD

NOTE: To show all channels again, select ALL channels. Press & hold + button until Max14 is displayed.

To hide unprogrammed channels, select last programmed channel, press and hold center **+** button until Max# is displayed.

PRESS 3 TIMES

To lock remote to a specific channel, select programmed channel and press **L** button 3 times — LOCK will be displayed. To unlock channel, press L button 3 times again, and FREE will be displayed.

Z-Motion Technical Support Email:
zmotioncustomerassist@gmail.com

For App Programming Instructions, please scan the QR code and follow the online instructions

Z-Motion