

Curtain Motor Controller

PRODUCT DESCRIPTION

- RF + Bluetooth curtain motor controller (Bluetooth mesh)
- Supports roller blinds, shutter blinds, drapes & more
- Control via smart App, RF remote, or external switches (no gateway needed)
- Accurate ON/OFF and level control with quick status feedback
- Easy pairing via K2 button; supports up to 8 remotes
- Mesh network extends range (30m between devices), encrypted two-way communication
- Cloud control available for remote access
- Compact design, fits standard wall box
- 2.4GHz RF, IP20 rated

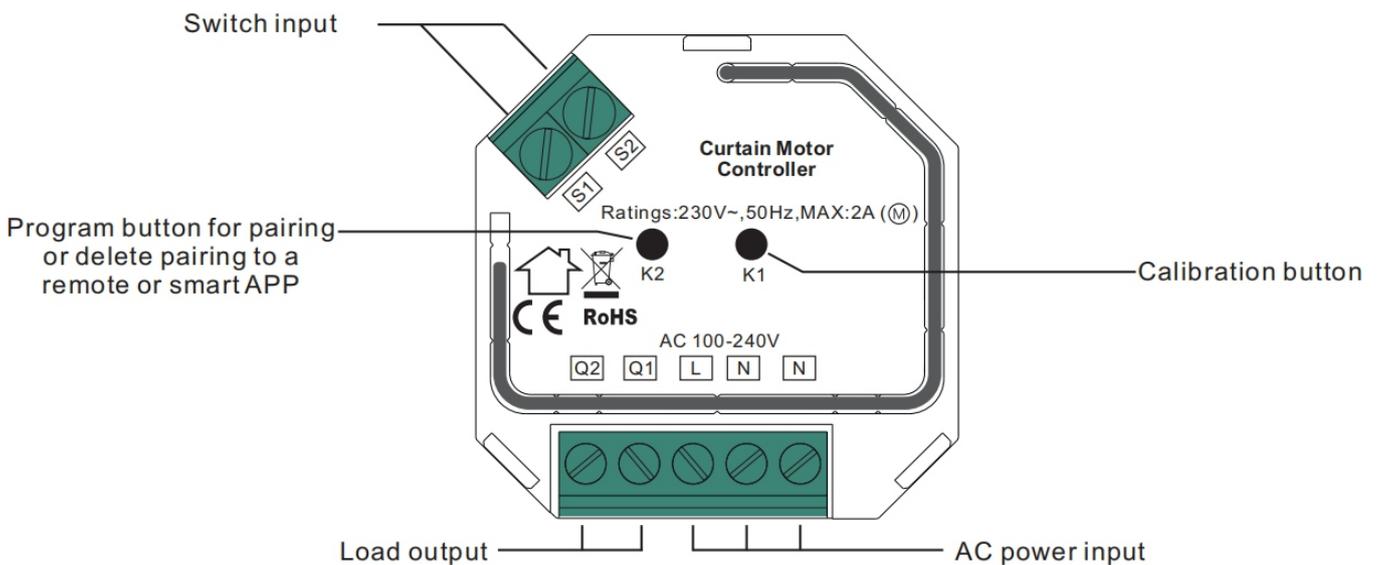
Item Number: **CT-DL-1020**



GENERAL

Control Protocol	RF+Bluetooth
Input Voltage	AC100-240V
Output Voltage	AC100-240V
Max. Load Current	2A
Operating Temperature	0 to 40°C
Relative Humidity	8% to 80%
Dimensions(LxWxH)	45.5x45x20.3mm

FUNCTION INTRODUCTION



SAFETY & WARNINGS

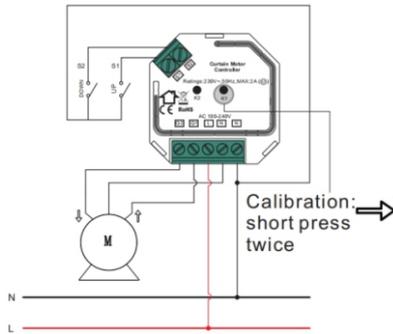
- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

OPERATION

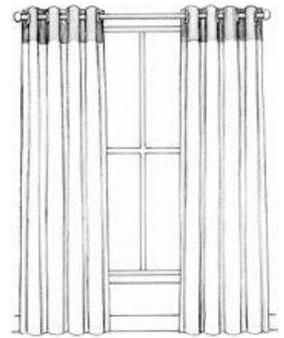
Positioning Calibration

Calibration is a process during which a curtain motor controller learns the position of the limit switches and a motor characteristic. Calibration is mandatory. Connect the controller to the motor according to wiring diagram, the calibration for different types of curtain are as follows:

1. Roller blinds and drapery type: short press button K1 twice, calibration starts automatically.

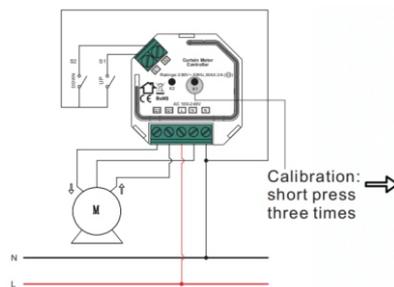


Roller Blinds



Drapes

2. Shutter blinds type curtain: short press button K1 three times, calibration starts automatically.



Shutter Blinds

Note: To control another curtain motor, positioning calibration shall be done again.

Pair/delete the pairing with RF+Bluetooth remote

1. Do wiring according to connection diagram.
2. Pair LED controller with RF+Bluetooth remote: please refer to the instruction of the remote that you would like to pair with.
3. Delete the pairing:
 - (1) Wire up the LED controller correctly, power on.
 - (2) Press and hold down the "K2" button on the controller for over 3 seconds (or reset power of the device 8 times continuously if the button is not accessible to factory reset the device) until the connected light flashes, which means well deleted. Note: factory resetting will restore all configured parameters of the device on the APP to factory default setting.

Pair with smart APP

1. Do wiring according to connection diagram.
2. Download EasyThings APP from IOS APP Store or Android Google Play to your smart phone or tablet by searching "EasyThings". (As shown in Figure 1)
3. Enable Bluetooth on your smart phone or tablet. (As shown in Figure 2)



Figure 1

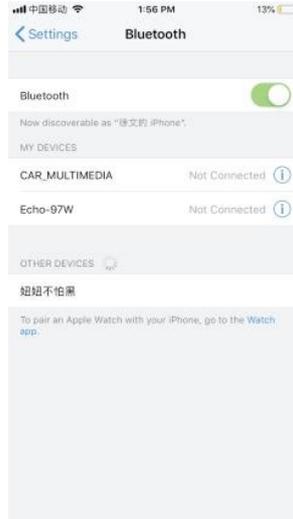


Figure 2

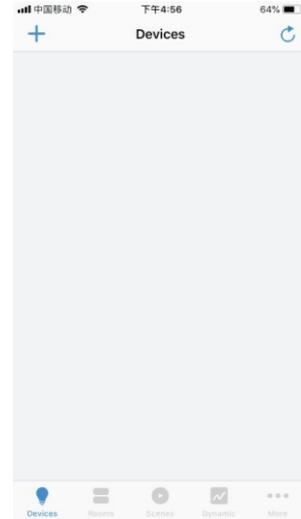


Figure 3

4. Run Easythings AAP, tap add button “ + ” on the APP to add device, then choose “Discover devices” to discover device, then short press the “K2” button on the curtain motor controller twice (or reset power of the controller twice continuously) to set the device into pairing to APP mode. (As shown in Figure 3 & Figure 4 & Figure 5)

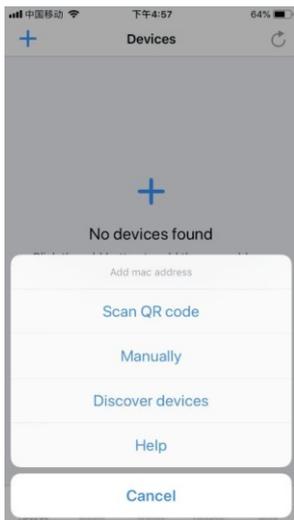


Figure 4

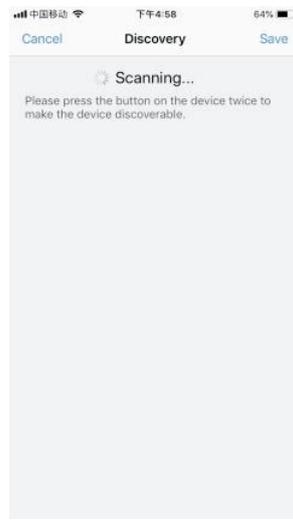


Figure 5

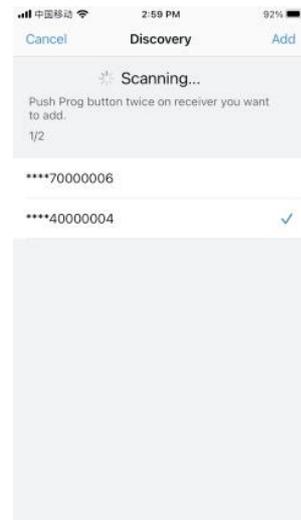


Figure 6

Note: multiple converters can be discovered by the APP at the same time.

5. Once the device/devices are discovered, tick the device/devices and tap “Save” button, they will be added successfully. (as shown in Figure 6)

6. Once device is added, tap the controller’s icon to enter the level control interface, then you can control it through the APP. (as shown in Figure 7 & Figure 8)

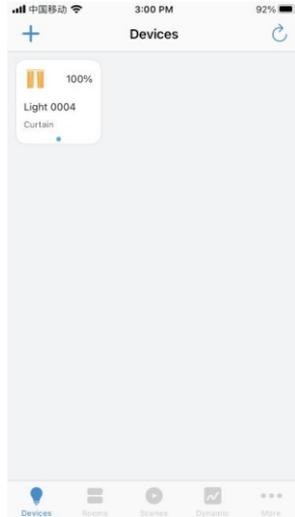


Figure 7

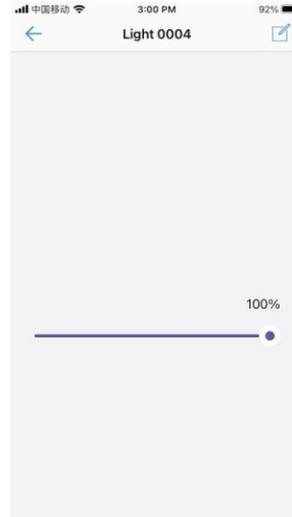
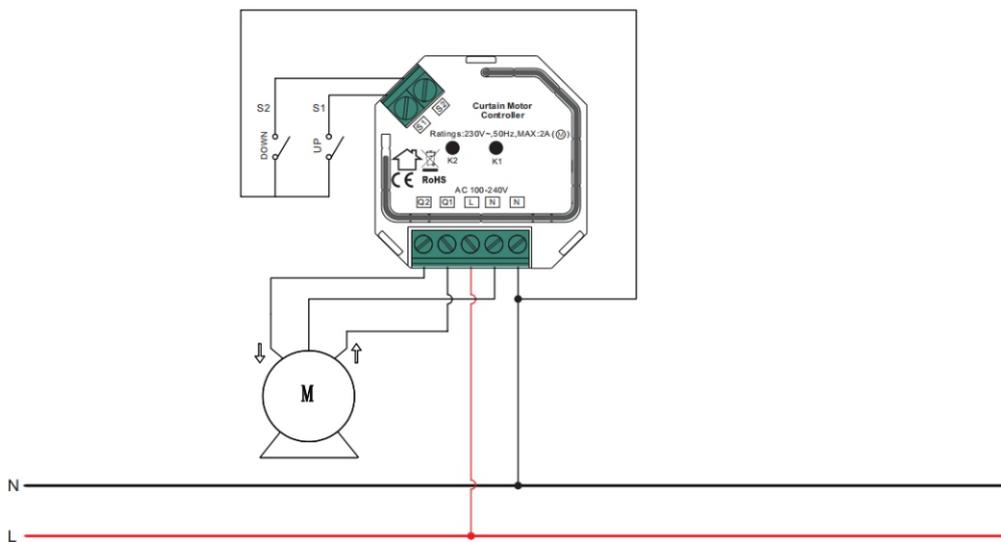


Figure 8

Notes for the diagrams:

- L - terminal for live lead
- N - terminal for neutral lead
- S1 - terminal for switch key No. 1
- S2 - terminal for switch key No. 2
- Q1 - output terminal no. 1 for electrical motor
- Q2 - output terminal no. 2 for electrical motor
- K1 - positioning calibration button
- K2 - program button for pairing or delete pairing

WIRING DIAGRAM



PRODUCT DIMENSION

