

JOYOLIGHT

1 ZONE CONTROLLER

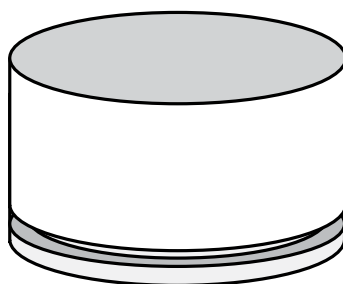
# CON-KNOB-1Z

2022-05

USER MANUAL

**DIM/CCT/RGB/RGBW**

---



#12, 5200 Dixie Rd,  
Mississauga, ON  
Canada L4W 1E4  
[www.joyolight.ca](http://www.joyolight.ca)  
[info@joyolight.com](mailto:info@joyolight.com)

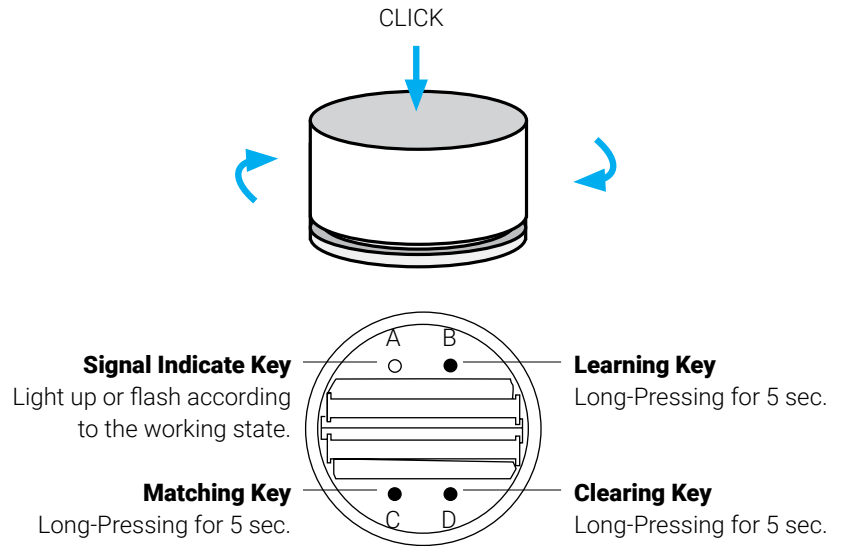
## CONTROLLER 1

# CON-KNOB-1Zone

For DIM/CCT/RGB/RGBW

### Technical Parameters

Voltage: 3V (2\* AAA battery)  
 Sleep Current: <25uA  
 Emission current: <17mA  
 RF Frequency: 2.4GHz  
 Remote Control Distance: up to 30m  
 Size: 60mm\*35mm  
 Net weight: 80g



**Signal Indicate Key**  
 Light up or flash according to the working state.

**Matching Key**  
 Long-Pressing for 5 sec.

**Learning Key**  
 Long-Pressing for 5 sec.

**Clearing Key**  
 Long-Pressing for 5 sec.

## CONTROL FUNCTION

### 1. DIM (work with single color receiver)

**ON/OFF** Short-click  
**Adjusting brightness/speed** Rotate  
**Change Modes** Double-short-click

#	Mode	Marks
1	Flash	Rotate to adjust the speed
2	Fade	

### 3. RGB (work with RGB receiver)

**ON/OFF** Short-click  
**Adjusting brightness/speed** Rotate  
**Adjusting color** Press+Rotate  
**Change Modes** Double-short-click

#	Mode	Marks
1	3 colors - flash	Rotate the controller to adjust the speed
2	3 colors - flash	
3	3 colors - fade	
4	7 colors - fade	
5	White - flash	
6	White - fade	
7	Red-blue - fade	
8	Green-blue - fade	

### 2. CCT (work with CW+WW receiver)

**ON/OFF** Short-click  
**Adjusting brightness/speed** Rotate  
**Adjusting CCT** Press+Rotate  
**Change Modes** Double-short-click

#	Mode	Marks
1	Flash	
2	Fade	
3	WW+CW - flash	Rotate the controller to adjust the speed
4	WW+CW - fade	
5	WW/CW - flash in turn	
6	WW/CW - fade in turn	

### 4. RGBW (work with RGB receiver)

**ON/OFF** Short-click  
**RGB/W switching** 2s long-pressing  
**Adjusting brightness/speed** Rotate  
**Adjusting color** Press+Rotate  
**Change Modes** Double-short-click  
**Hotkey** 3 times short-click to turn ON/OFF of all channels output

#	Mode	#	Mode	Marks
1	3 colors - flash	5	White - flash	Rotate the controller to adjust the speed
2	3 colors - flash	6	White - fade	
3	3 colors - fade	7	Red-blue - fade	
4	7 colors - fade	8	Green-blue - fade	

## Code Matching

- 1 Connecting the load to the receiver and power on it.
- 2 Press and hold "C" on the remote control for **5 sec.**
- 3 Press any key to exit and end the operation.

1. It is necessary to clear the code if the receiver was coded before.  
2. Batch operation can be performed within the remote control range.  
3. Please remember to cut off other un-coded zones' power, or they will be paired together.  
It will also automatically exit code transmission status after 60 sec.

The indicator of the remote control will flash quickly. Matching coding finishes when you see the load light flashes 3 times and return to the initial state.

It will also automatically exit code transmission status after 60 sec.

## Code Clearing

- 1 Connecting the load to the receiver and power on it.
- 2 Press and hold "D" on the remote control for **5 sec.**
- 3 Press any key to exit and end the operation.

1. The clearing operation should be finished within 1 minute after the receiver is  
2. Batch operation can be performed within the remote control range.

Matching coding finishes when the load light flashes 3 times

It will also automatically exit code transmission status after 60 sec.

## Code learning operation between remote controls:

Used to unify system code values or copy a new remote control. Since each remote control has its own unique RF code at the time of delivery, when there are multiple remote controls in one system, one of them must be selected as a main, and others should copy its RF code.

1. **Main** remote control: Press and hold "C" key for **5 sec.**  
The indicator of the remote control will flash quickly. That means it enters the pairing mode
2. **New** remote control: Press and hold "B" key for **5 sec.**  
The indicator will turn from 100% to off means it enters learning code status.
3. The indicator of the new remote control will flash **three times** after successful code learning.

## Remote control RF code learning from controllers

1. Turn off the power supply of the controllers.
2. Press and hold "B" for **5 sec** until indicator of remote control turns off.
3. Turn on the power supply of controllers. The indicator of the remote control will flash **three times** after successful code learning.

**Note:** The distance from controllers to remote controls should be less than 2m.

## Restoring factory settings of remote control

1. Press and hold "B" key for **20 sec** until the indicator of remote control process the state as 100%-off-100%.
2. Press "D" to submit and finish the operation.  
The indicator of the remote control will flash three times after successful operation.