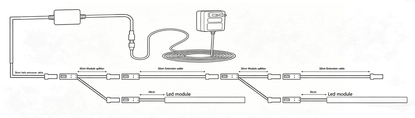
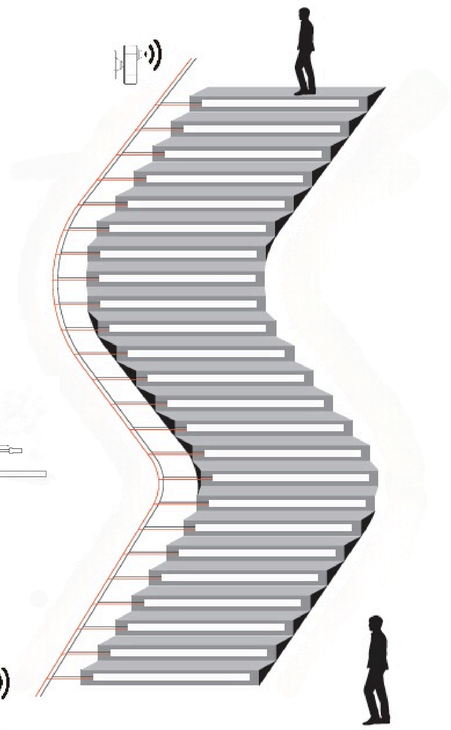
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USER GUIDE









Scan QR code for stair light manual

Working Principle of Stair Light System

1. GU001C is a receiver connected to the stair lights. It can receive signals from the motion sensor GU001A and remote control GU001B to realize various functions of the stair lights.
2. After detecting human motion, ambient light, battery level and other information, the motion sensor GU001A sends signals to the receiver GU001C, which then performs corresponding actions.
3. The remote control GU001B can send commands to the receiver GU001C for color temperature adjustment, brightness adjustment, night light mode switching, etc. The receiver GU001C will execute matching responses upon receiving the corresponding commands.

SPECIFICATION

GU001A

Ultra-low power wireless transmitter powered by 2 AAA batteries, with battery life up to 1 year. It detects human motion via infrared sensor and sends RF signals to the main controller (GU001C) for step light control.

Model NO.	GU001A
Name	Motion sensor（Emitter）
Input Voltage	2pcs AAA batteries powered
Mode	1.This sensor integrates light sensing and human body induction, sending corresponding commands to the controller for intelligent stair light control
	2. Adjustable angles
Detect Range	＞3m（Adjustable coverage range）
RF Range	10 m

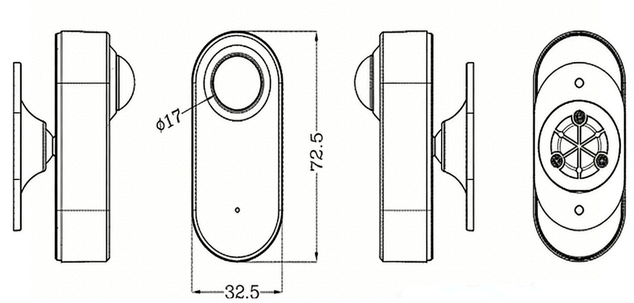
GU001C

Main controller & receiver with 12–24 VDC input, suitable for 24 VDC lighting control, including LED luminaires.

Model NO.	GU001C
Name	Controller(Receiver)
Input Voltage	DC 12-24V
Out Voltage	Equal to input Voltage
Load Current	⩽2A
Time Delay	30s,45s,60s,120s,180s,300s Adjustable
Brightness	15%~100% Adjustable

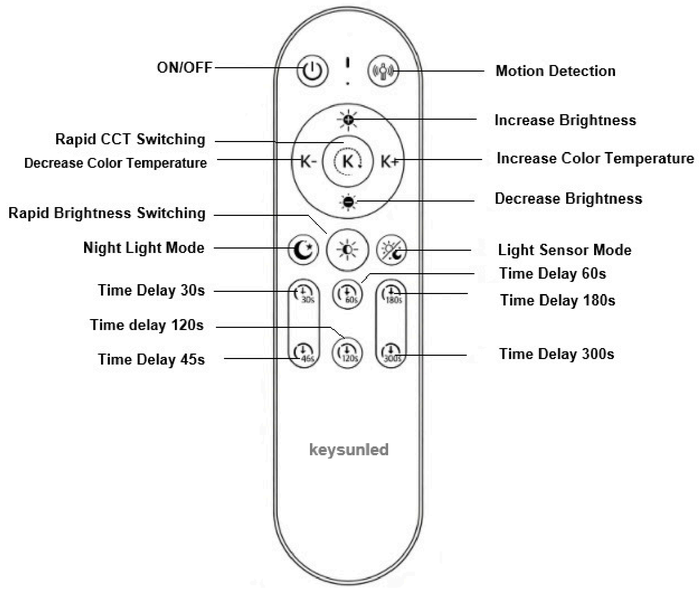
FUNCTION

GU001A



ON/OFF	Cycle between: Always On / Off / Sensor mode.
Light Sensor	The light sensor triggers motion detection only when ambient brightness is below 60 lux (default threshold).
Battery Detection	When the total battery voltage < 2.3V and motion is detected, the red indicator stays on for 2s and the stair light flashes 3 times to indicate low battery.

GU001B



Basic Settings

ON/OFF	This button controls the on/off operation of the stair light. The light stays on when activated.
Motion Detection	Automatic activation upon motion detection. Function can be only deactivated by pressing the ON/OFF key.
Brightness+/-	Brightness adjustable from 15% to 100%. Stair light flashes quickly at max or min brightness.
Color Temperature+/-	Color temperature adjustable from warm white to cool white. Stair light flashes quickly at max or min color temperaturs.
Rapid CCT Switching	3 color temperatures adjustable: cool white, warm white, natural white.
Rapid Brightness Switching	Cycle brightness: 15%→50%→100%; 2%→5%→10% in night light mode.
Night Light Mode	Night Light ON / OFF
Light Sensor Mode	Light Sensor ON/OFF
Time Delay	Multiple delay time options: 30s/45s/60s/120s/180s/300s.
Night Light Mode → Light Sensor Mode	Turn on Night Light first, then Light Sensor.Night light auto off by day, auto on at night.
Light Sensor Mode → Night Light Mode	Turn on light sensor first, then night light.Night light stays on always, day or night.

Advanced Settings

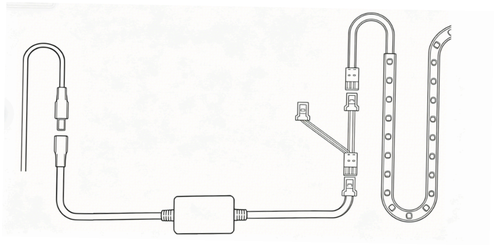
For advanced settings, follow these steps strictly:

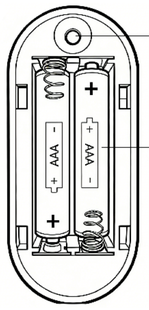
1. Disconnect power to the controller (receiver).
2. Press and hold the function key (see table for key functions).
3. While holding the key, reconnect power to the controller (receiver).
4. Release the key immediately when the stair light flashes.
5. Setting is complete after the stair light flashes slowly 5 times.

Advanced Function Key Comparison Table	
ON/OFF	Pairing the remote control (transmitter) with the controller (receiver)
Motion Detection	Clear the pairing status of the controller (receiver)
Internal Button of the Motion Sensor	Pair the motion sensor with the controller (receiver)
“K”	Cool white and warm white switching
Rapid Brightness Switching	Restore factory settings
Time Delay	Ambient light sensitivity setting (30s→30Lux/45s→45Lux/60s→60Lux/ 120s→120Lux/180s→180Lux)
Notes：The controller is in unpaired mode by default. It can receive signals from any remote control or sensor. Once paired with either a remote control or a sensor, the controller will no longer respond to other unpaired devices.	

GU001C

This unit mainly receives control commands from GU001A and GU001B, and performs corresponding actions and feedback according to the commands.





The button can cycle between always On / Off / Sensor mode.

Open the battery cover of the GU001A motion sensor and insert two AAA batteries. Observe battery polarity.

Cautions

1. Not waterproof. For indoor use only.
2. Keep motion sensor away from direct sunlight, strong light, heaters and air conditioners.
3. Sensitivity varies with temperature: higher in low temperature, lower in high temperature.
4. RF range depends on battery voltage and obstructions. Range drops to 7m at low voltage. Stair light flashes when battery <2.3V to remind replacement.

Trouble Shooting

The light does not turn on	
a	Check if the motion sensor (GU001A) is in the OFF state.
b	Ensure the batteries in sensor are properly installed. If the red indicator flashes even when installed securely, replace the batteries as voltage is low.
c	Check if the light sensor of motion sensor (GU001A) is ON. It turns off automatically with the light when ambient brightness exceeds 60 lux（default value).
The light does not turn off	
a	Check if stair light is in always-on mode. If yes, switch mode to activate motion sensor.
b	Check if the time delay setting is too long.
Short transmission range for GU001A (Motion Sensor) / GU001C (Controller)	
a	Check for metal objects or wall obstructions near the sensor installation: 1. Relocate the sensor to avoid metal interference if present. 2. Adjust the installation angle or position to reduce signal blockage by walls.
GU001C (Controller) cannot receive signals from GU001A (Motion Sensor) or GU001B (Remote Control)	
a	Check if GU001A (Motion Sensor) is in OFF state.
b	Low battery voltage of the motion sensor. Please replace the batteries.
c	Check if the battery of GU001B (Remote Control) is sufficient or paired with either a remote control or a sensor.