

061701-1

PIR Motion Sensor 50FT RGB LED Strip Light Kit User Manual

Model: 061701-1

INTRODUCTION

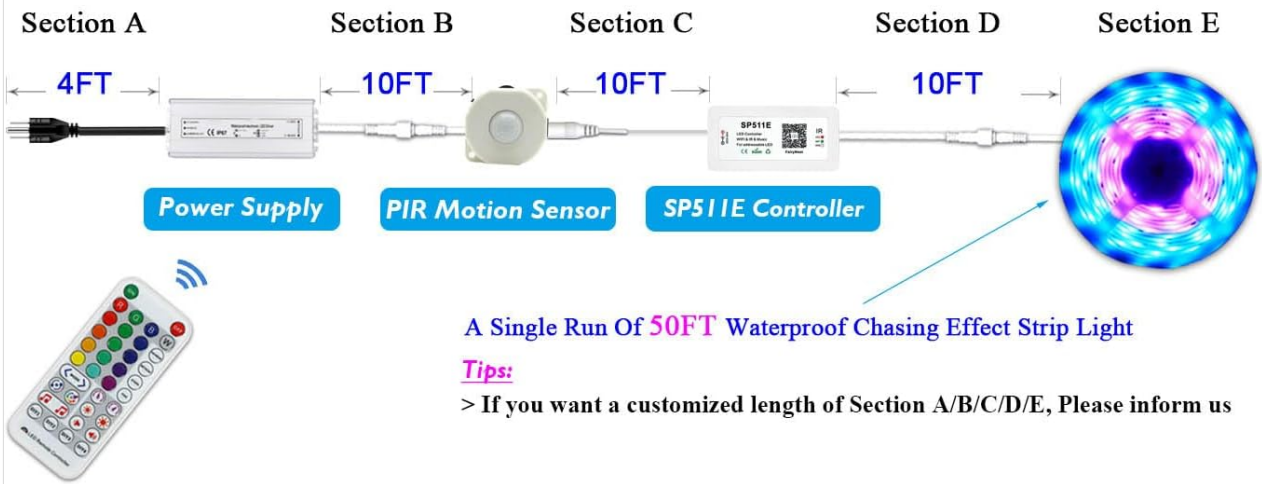
This user manual provides comprehensive instructions for the installation, operation, and maintenance of your PIR Motion Sensor 50FT/Roll Chasing Effect Outdoor Waterproof 12V Pixel Addressable RGB LED Strip Light Kit. Please read this manual carefully before use to ensure proper functionality and safety.

PACKAGE CONTENTS

Verify that all components listed below are included in your package:

- 1x 50FT 12V IP67 Waterproof Chasing Effect Magic Dream Color SMD 5050 RGB LED Flexible Strip Light
- 1x PIR Motion Sensor
- 1x IP67 SP511E Waterproof WiFi Music Sync Controller + 38K IR Remote
- 1x IP67 Waterproof Power Supply with standard US plug
- 1x 10FT extension cable from the controller to the strip light
- Sufficient mounting clips, screws, double-sided adhesive tape, and L-shaped connectors
- 1x User Manual (this document)

Diagram



The items of listing we can provide free :

Enough Mounting clips & screws (2 sets/meter)



Double-sided adhesive tape



4pcs L shaped connectors for the corners



4pcs any angle bending connectors for the corners

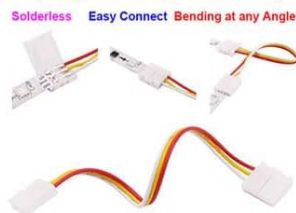


Image: Overview of the complete LED strip light kit components.

SPECIFICATIONS

Feature	Detail
Controller Protocol	WiFi with Amazon Alexa, Google Assistant Supported
LED Quantity	10 LEDs/FT
Color	Chasing Effect & Multi-Color with WS2811 Addressable IC controlled
Beam Angle	120°
Input Voltage	12V DC
Working Power	50W
Working Temperature	-22°F to 158°F / -30°C to 70°C
Waterproof IP Rating	IP67
Lifetime	50,000+ hours

Item Weight	2 pounds
Package Dimensions	4 x 3 x 2 inches

SETUP AND INSTALLATION

Follow these steps for proper installation of your LED strip light kit:

1. **Plan Your Layout:** Before mounting, plan the desired path for your LED strip lights. Consider power source proximity and motion sensor placement.
2. **Mounting the Strip Light:**
Use the provided mounting clips and screws or the double-sided adhesive tape to secure the LED strip light to your desired surface. Ensure the surface is clean and dry for optimal adhesion.

PIR Switch

*** When you walk by the PIR Switch, it will be output DC 12/24V about 20sec~5min**



***** Specification *****

Working Voltage:	12/24V
Working Temp.:	-20° ~ 50°
Waterproof:	IP33 Non-waterproof
Size:	Φ 41mm
Material:	ABS plastic
Sensing Angle:	145°
Sensing Distance:	< 5 Meters

PIR Switch Application

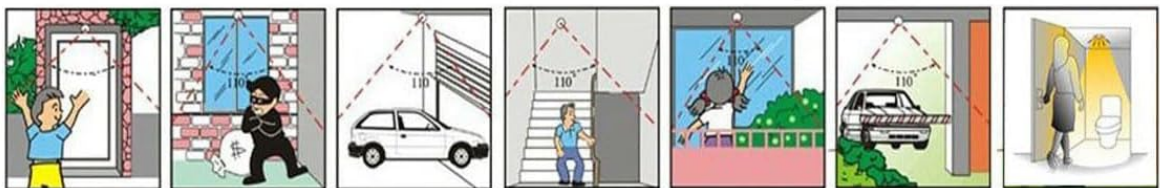


Image: Connection diagram illustrating the sequence of components: Power Supply, PIR Motion Sensor, SP511E Controller, and LED Strip Light.

SP511E WiFi Music Sync Controller w/ 38Keys IR Remote

- **Three modes of control** : "FairyNest" App control, IR Remote control and Buttons control
- **Voice Interaction** : works with *Amazon Alexa, Google Assistant*
- **Music Sync** : strip light can be change color or chasing with *built-in Mic. music rhythm*
- **Timer Schedule** : schedule your strip light to turn on/off automatically at specific time
- **Memory Function** : remember the last color setting before power off
- **Multiple Chasing Effects** : 180 non-music dynamic effects, 8 music effects, 8 scens effects

ON	OFF	16 Static colors	Rianbow	Meteor	Stars	Fire	Mode -	Mode+	All Auto
Music	Music	Speed -	Speed +	Bright	Bright	Sensit	Sensit	Change	4 DIY Mode

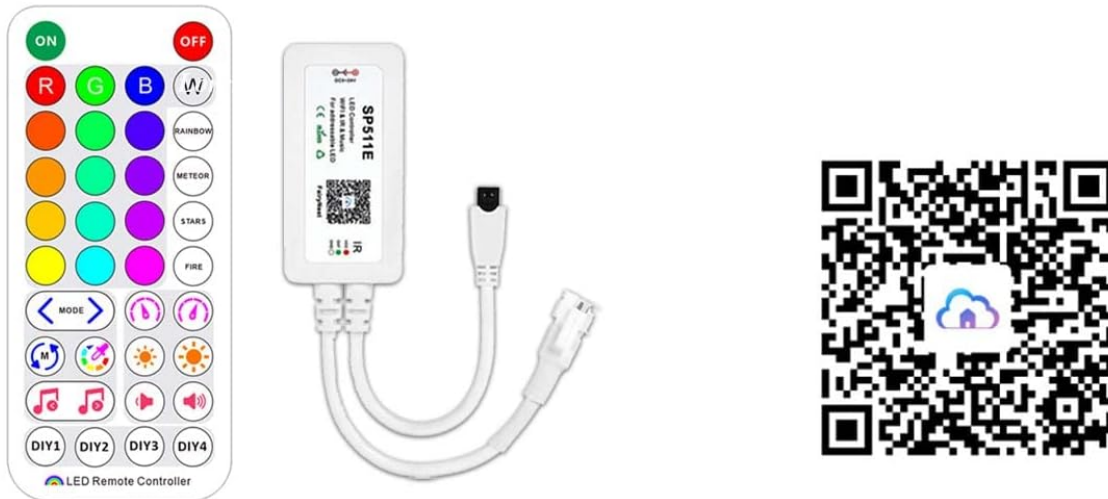


Image: Various mounting accessories provided, including clips, screws, adhesive tape, and L-shaped connectors for corners.

3. Connecting Components:

Connect the components in the following order:

- Connect the power supply to the PIR Motion Sensor.
- Connect the PIR Motion Sensor to the SP511E WiFi Music Sync Controller.
- Connect the SP511E Controller to the LED Strip Light, using the 10FT extension cable if needed.

Ensure all connections are secure and waterproof, especially for outdoor installations, as all components are IP67 rated.

4. **Power Connection:** Plug the power supply into a standard US electrical outlet.

OPERATING INSTRUCTIONS

SP511E WiFi Music Sync Controller

Your LED strip light kit is controlled via three methods: the "FairyNest" App, the included 38K IR Remote, and

physical buttons on the controller.



Image: The SP511E WiFi Music Sync Controller and its accompanying 38-key IR remote, detailing control options.

- **App Control:** Download the "FairyNest" app for comprehensive control. The app allows for advanced customization and features.

Download the FairyNest App: <https://download.ledhue.com/page/fairynest/new/>

- **Voice Interaction:** The controller supports Amazon Alexa Echo and Google Assistant for voice commands. Follow the app's instructions to link your device.

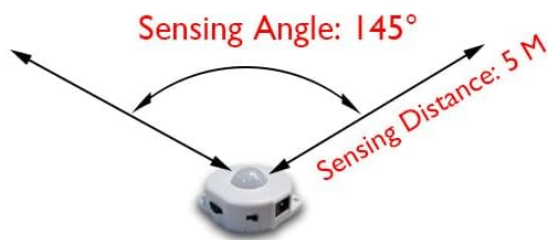
- **Music Sync:** The strip light can change color or chasing effects in rhythm with music, thanks to its built-in microphone.
- **Timer Schedule:** Use the app to schedule specific times for the light strip to turn on or off, or to adjust brightness for ambiance.
- **Memory Function:** The controller remembers your last lighting setup before power-off and will automatically revert to that setting when powered on again.
- **Chasing Effects:** Enjoy 180 non-music dynamic effects, 8 music effects, and 8 scene effects.

PIR Motion Sensor

The Passive Infrared (PIR) motion sensor detects movement and can be configured to trigger the lights. When motion is detected, the sensor will output DC 12V/24V for approximately 20 seconds to 5 minutes, depending on its internal settings.

PIR Switch

*** When you walk by the PIR Switch, it will be output DC 12/24V about 20sec~5min**



***** Specification *****

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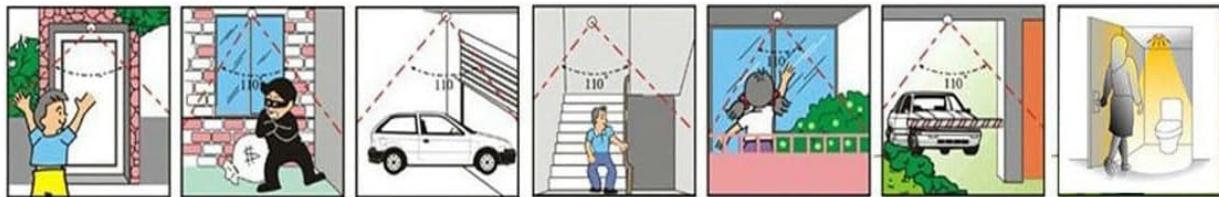


Image: Connection diagram illustrating the sequence of components: Power Supply, PIR Motion Sensor, SP511E Controller, and LED Strip Light.

The simple customized kit for Holiday !



If you can provide a similar diagram, we also can customize the kit for you free.

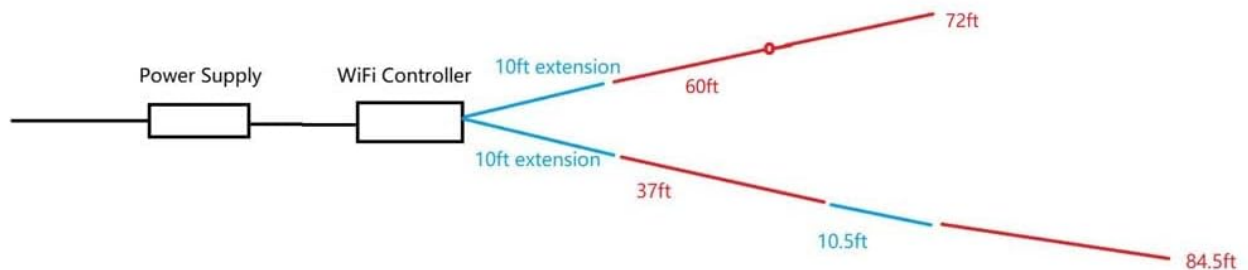


Image: Detailed view of the PIR motion sensor, highlighting its DC input/output, adjustable light-up time, 145-degree sensing angle, and 5-meter sensing distance.

- **Sensing Angle:** 145°
- **Sensing Distance:** Up to 5 meters
- **Light Up Time:** Adjustable from 20 seconds to 5 minutes.
- **Application:** Suitable for various outdoor scenarios such as porches, patios, hallways, balconies, and rooftops.

MAINTENANCE

To ensure the longevity and optimal performance of your LED strip light kit, follow these maintenance guidelines:

- **Cleaning:** Periodically wipe the LED strips and components with a soft, damp cloth to remove dust and debris. Do not use harsh chemicals or abrasive cleaners.
- **Waterproof Integrity:** Although rated IP67 waterproof, regularly inspect all connections and seals for any signs of wear or damage, especially in harsh weather conditions. Ensure all caps and connectors are tightly secured.
- **Cable Inspection:** Check power cables and extension cables for any cuts, fraying, or damage. Replace damaged cables immediately to prevent electrical hazards.
- **PIR Sensor:** Keep the PIR sensor lens clean and free from obstructions (e.g., leaves, dirt) to ensure accurate motion detection.

TROUBLESHOOTING

If you encounter issues with your LED strip light kit, refer to the following common troubleshooting steps:

- **Lights Not Turning On:**
 - Check if the power supply is securely plugged into a working outlet.
 - Verify all connections between the power supply, PIR sensor, controller, and LED strip are firm and correctly oriented.
 - Ensure the remote control or app is sending commands and the controller is receiving power.
- **Inconsistent Lighting/Flickering:**
 - Inspect the LED strip for any physical damage or kinks.
 - Ensure the power supply is adequate for the length of the strip.
 - Check for loose connections.
- **PIR Sensor Not Detecting Motion:**
 - Ensure the sensor lens is clean and unobstructed.
 - Verify the sensor is positioned correctly within its sensing angle and distance.
 - Check the power connection to the PIR sensor.
- **Remote Control Not Working:**
 - Replace the battery in the remote control.
 - Ensure there are no obstructions between the remote and the controller's IR receiver.
- **WiFi Connectivity Issues:**
 - Ensure your Wi-Fi network is active and the controller is within range.
 - Restart your Wi-Fi router and the LED controller.
 - Follow the "FairyNest" app's instructions for re-pairing the device.

If problems persist after attempting these steps, please contact customer support.

Warranty Information

This product comes with a **Full Warranty**. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the product packaging or contact the manufacturer.

Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact your retailer or the manufacturer directly. Contact information can typically be found on the product packaging or the manufacturer's official website.