

HOUHUI US-DUAL-12V-5M-WW

HOUHUI Dual Motion Sensor LED Strip Lights

Model: US-DUAL-12V-5M-WW - User Manual

1. PRODUCT OVERVIEW

The HOUHUI Dual Motion Sensor LED Strip Lights provide warm white illumination with motion activation for various indoor applications. This 16.4ft (5m) LED strip features two integrated motion sensors, allowing for activation from multiple directions, and automatically turns off after a period of inactivity.

Package Contents:

- 1 x 16.4ft (5m) Warm White LED Strip Light with Two Motion Sensors
- 1 x 12V Power Adapter
- 2 x 3-PIN LED Strip Connecting Cables
- 1 x User Manual (this document)



Image 1.1: Complete HOUHUI Dual Motion Sensor LED Strip Light Kit with an under-bed application example.

2. SAFETY INFORMATION

- This product is designed for **indoor use only**. Do not expose to water or high humidity.
- Ensure the power adapter is connected to a suitable 12V DC power source.
- Do not attempt to repair or modify the product. Contact support if issues arise.
- Keep out of reach of small children. While the strip operates at low voltage and produces minimal heat, proper placement is advised.
- Unplug the power adapter before installation, cleaning, or when not in use for extended periods.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your HOUHUI Dual Motion Sensor LED Strip Lights:

1. **Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth. Wipe the area with a clean cloth to remove dust or debris. For optimal adhesion, you may use rubbing alcohol to clean the surface and allow it to dry completely.
2. **Plan the Layout:** Determine the desired path for the LED strip. The strip is flexible and can be routed

around corners. Consider the placement of the two motion sensors to cover the intended detection areas (e.g., both sides of a bed, top and bottom of stairs).

3. **Cut the Strip (Optional):** The LED strip can be cut to your desired length at designated cutting marks (usually indicated by a copper pad and a scissor icon). If cutting, ensure the power is disconnected. Use the included 3-PIN connecting cables to rejoin cut sections if needed.
4. **Attach the Strip:** Peel off the backing from the self-adhesive tape on the back of the LED strip. Carefully press the strip onto the prepared surface, applying firm pressure along its entire length to ensure good adhesion.
5. **Connect Power:** Connect the 12V power adapter to the LED strip. Ensure a secure connection. Plug the power adapter into a standard electrical outlet.



Image 3.1: Illustration of the LED strip's cuttable design, self-adhesive backing, and connection points.

Warm White Motion Activated LED Strip Lights



Image 3.2: Motion sensor detection range and power input details.

4. OPERATING INSTRUCTIONS

The HOUHUI Dual Motion Sensor LED Strip Lights are designed for automatic operation:

- **Motion Activation:** The LED strip will automatically illuminate when motion is detected by either of the two integrated sensors. The sensors have a detection range of approximately 10 feet (3 meters) and a 120-degree field of view.
- **Dual Sensor Functionality:** With a motion sensor at each end of the strip, the system can detect movement from two different directions. This is ideal for areas with multiple entry points, such as under a double bed or along a staircase.
- **Automatic Shut-off:** After motion ceases, the lights will remain on for approximately 60 seconds before automatically turning off to conserve energy.
- **Continuous Operation:** If motion is continuously detected within the sensor's range, the lights will remain on.

Dual Motion Sensor LED Light Strip



Two motion sensors

- It can be activated in two different directions.
- Safe and convenient.



Single motion sensor

- It can only be activated in one direction.
- Unsafe and inconvenient as a night light.

Image 4.1: Benefit of dual motion sensors for comprehensive coverage.

5. MAINTENANCE AND CARE

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

- **Cleaning:** Gently wipe the LED strip and motion sensors with a soft, dry cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Environment:** As the product is non-waterproof, avoid installing it in areas prone to moisture or direct water exposure. Maintain a dry indoor environment.
- **Power Connection:** Periodically check the power adapter and connections for any signs of damage or loose fittings.
- **Heat:** The LED strip operates at a low voltage (12V) and generates minimal heat, making it safe to touch. Ensure proper ventilation around the power adapter.

6. TROUBLESHOOTING

If you encounter issues with your HOUHUI Dual Motion Sensor LED Strip Lights, refer to the following

common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none"> No power to the adapter. Loose connection. Motion sensor obstructed or out of range. LED strip or sensor damage. 	<ul style="list-style-type: none"> Check if the power adapter is securely plugged into a working outlet. Ensure all connections between the adapter, sensors, and LED strip are firm. Verify that the motion sensors are not blocked and that motion is occurring within the 10ft/3m detection range. Inspect the strip and sensors for visible damage.
Lights do not turn off automatically.	<ul style="list-style-type: none"> Continuous motion detected. Sensor malfunction. Environmental factors (e.g., drafts, pets). 	<ul style="list-style-type: none"> Ensure no continuous motion is present within the sensor's detection zone for 60 seconds. Relocate the sensor to an area less prone to unintended triggers. Unplug and replug the power adapter to reset the system. If the issue persists, the sensor may be faulty.
Only part of the LED strip illuminates.	<ul style="list-style-type: none"> Improper connection after cutting. Damaged section of the strip. 	<ul style="list-style-type: none"> If the strip was cut and reconnected, ensure the 3-PIN connector is properly seated and making contact with the copper pads on both strip sections. Inspect the non-illuminating section for physical damage.
Lights flicker or are dim.	<ul style="list-style-type: none"> Insufficient power. Loose connection. Damaged LED beads. 	<ul style="list-style-type: none"> Ensure the power adapter is the original 12V adapter provided. Check all connections for tightness. If specific LEDs are consistently dim or flickering, that section of the strip may be damaged.

7. SPECIFICATIONS

Feature	Detail
Model Number	US-DUAL-12V-5M-WW
Brand	HOUHUI
Light Source Type	LED (150 x 2835 LED beads)
Light Color	Warm White

Feature	Detail
Color Temperature	3000 Kelvin
White Brightness	900 Lumens
Voltage	12 Volts (DC)
Wattage	5 watts
Strip Length	16.4 feet (5 meters)
Motion Sensor Detection Range	Approx. 10 feet (3 meters)
Motion Sensor Detection Angle	120 degrees
Auto Shut-off Time	60 seconds (after no motion)
Power Source	Corded Electric
Indoor/Outdoor Usage	Indoor Only
Water Resistance Level	Not Water Resistant
Material	Plastic
Item Weight	5.3 ounces
Product Dimensions	5.5 x 0.39 x 5.5 inches (packaged)
UPC	717211772861

8. WARRANTY AND SUPPORT

Warranty information for the HOUHUI Dual Motion Sensor LED Strip Lights is not explicitly provided in this manual. For details regarding product warranty, returns, or technical support, please contact the manufacturer or the seller directly through your purchase platform.

For further assistance, please refer to the contact information provided with your purchase or visit the official HOUHUI brand store online.

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