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› JACKYLED 4-Pin 10mm L-Shape LED Strip Light Connectors (Model 4PIN-10MM-L) Instruction Manual

JACKYLED 4PIN-10MM-L

JACKYLED 4-Pin 10mm L-Shape LED Strip Light Connectors Instruction Manual

Model: 4PIN-10MM-L

1. PRODUCT OVERVIEW

The JACKYLED 4-Pin 10mm L-Shape LED Strip Light Connectors are designed to facilitate easy and solderless connections for RGB LED strip lighting installations. This kit provides components for both 90-degree corner connections and straight extensions, offering versatility for various lighting projects.

These connectors are compatible with 4-pin, 10mm wide SMD 3528/5050 multicolor LED flexible strip lights, suitable for both waterproof and non-waterproof indoor applications.

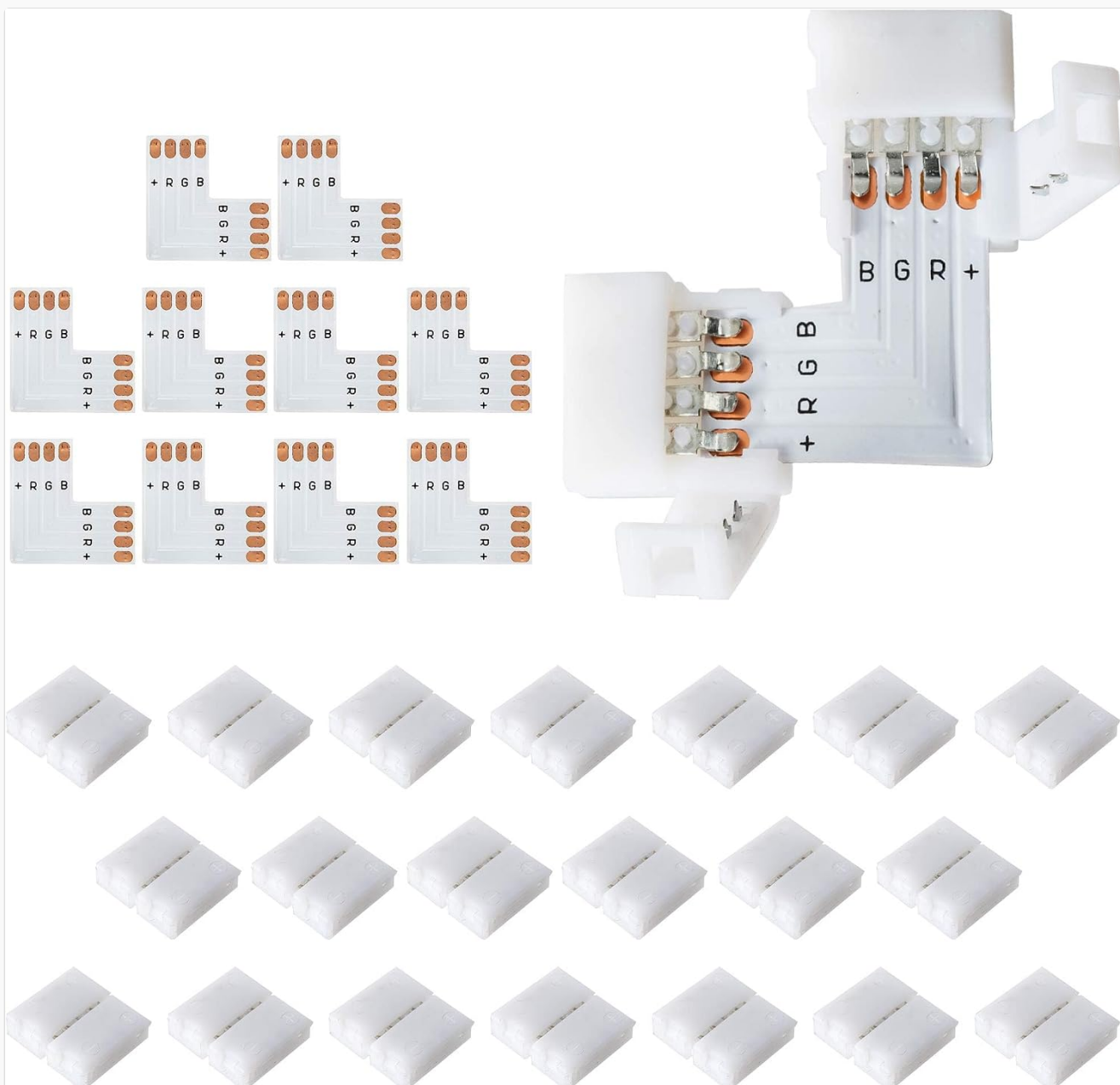


Image Description: An overhead view of the JACKYLED connector kit, showing multiple L-shaped circuit boards and white plastic connector clips arranged on a white background.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- 10 x L-Shape 4-Pin LED Connectors
- 22 x Connector Clips (for securing LED strips)
- 2 x Straight Couplers (additional for extensions)

Connectors

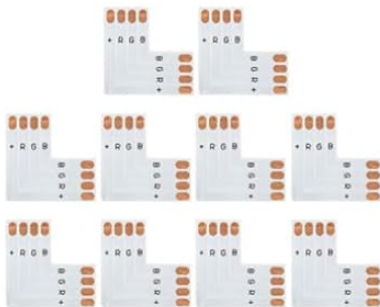


20 pcs



10 pcs

L shape Boards



10 pcs

None

Extra Connectors



2 pcs

None

Image Description: A visual representation of the kit's contents, displaying 10 L-shaped circuit boards and 22 white plastic connector clips, along with two additional straight couplers.

3. COMPATIBILITY

These connectors are specifically designed for:

- **LED Strip Type:** 4-pin RGB LED strip lights.
- **Strip Width:** 10mm (0.39 inches) wide.

- **LED Chip Type:** SMD 3528/5050 multicolor LED flexible strip lights.
- **Water Resistance:** Compatible with both waterproof and non-waterproof strips for indoor use.

Important: These connectors are **NOT** compatible with 8mm wide LED strips or other pin configurations.

Suitable for all **10mm wide 4 pin** RGB LED Strips

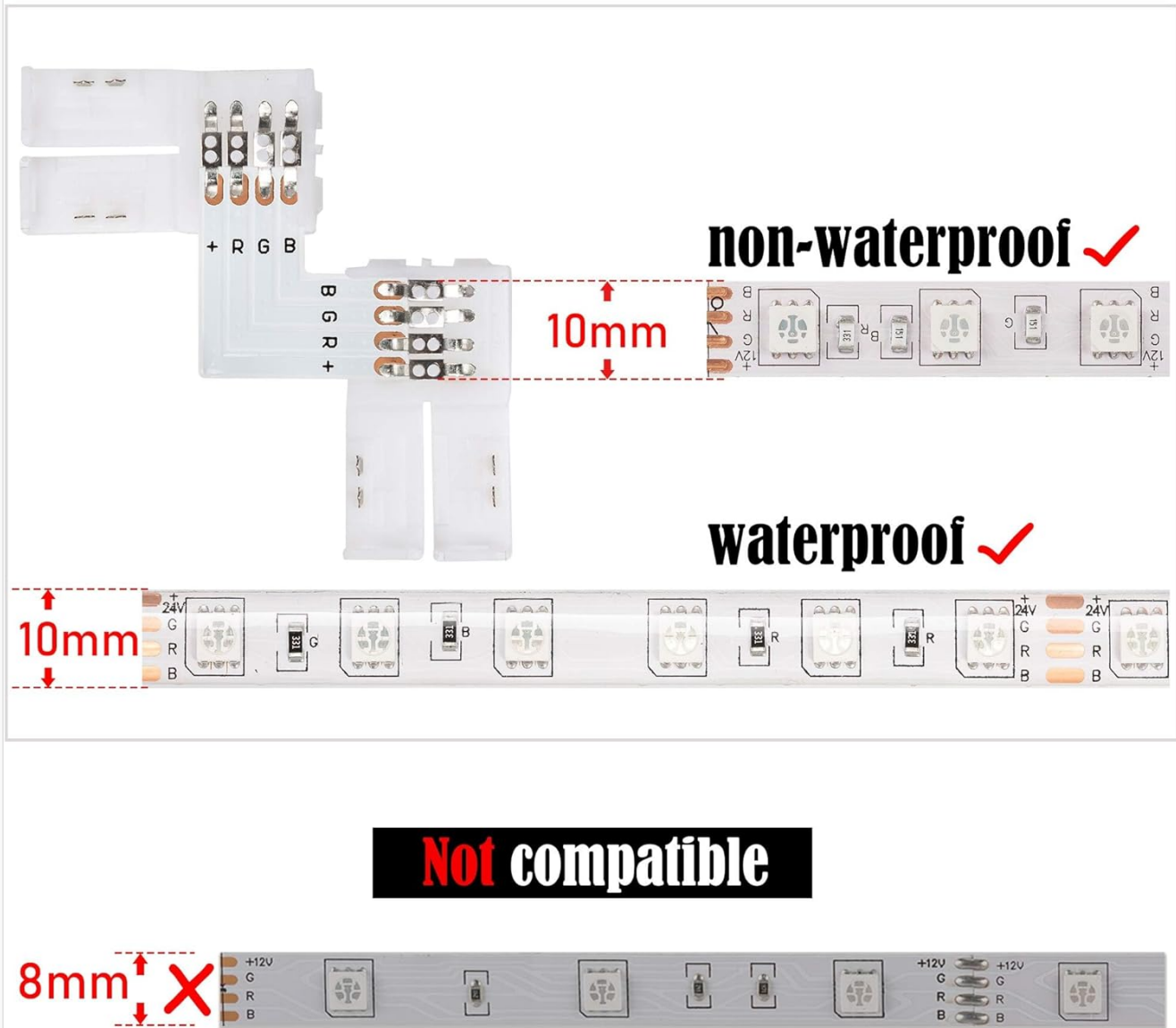


Image Description: A diagram illustrating the correct dimensions for compatible LED strips (10mm wide) and showing an incompatible 8mm strip with a red 'X'. It also shows examples of waterproof and non-waterproof 10mm strips.

4. SETUP AND INSTALLATION

Follow these steps for a secure and functional connection:

4.1. Preparing the LED Strip

1. Ensure your LED strip is cut precisely at the designated cut marks.
2. For waterproof LED strips, gently peel off a small section of the silicone coating from the copper contact points at the end of the strip. For non-waterproof strips, no additional preparation is needed other than cutting.

4.2. Connecting with Straight Couplers

1. Open the white plastic connector clip by gently lifting the top flap.

2. Align the copper contact points of the LED strip with the metal pins inside the connector. Ensure the '+' marking on the LED strip aligns with the '+' marking on the connector, and RGB align accordingly.
3. Gently slide the LED strip under the metal pins until it is fully seated and makes firm contact.
4. Close the top flap of the connector clip firmly until it snaps shut, securing the strip in place.
5. Repeat for the other end of the straight coupler with the next LED strip segment.

Easy to use

(Please do not pry up the metal pins. Doing so may cause poor contact)

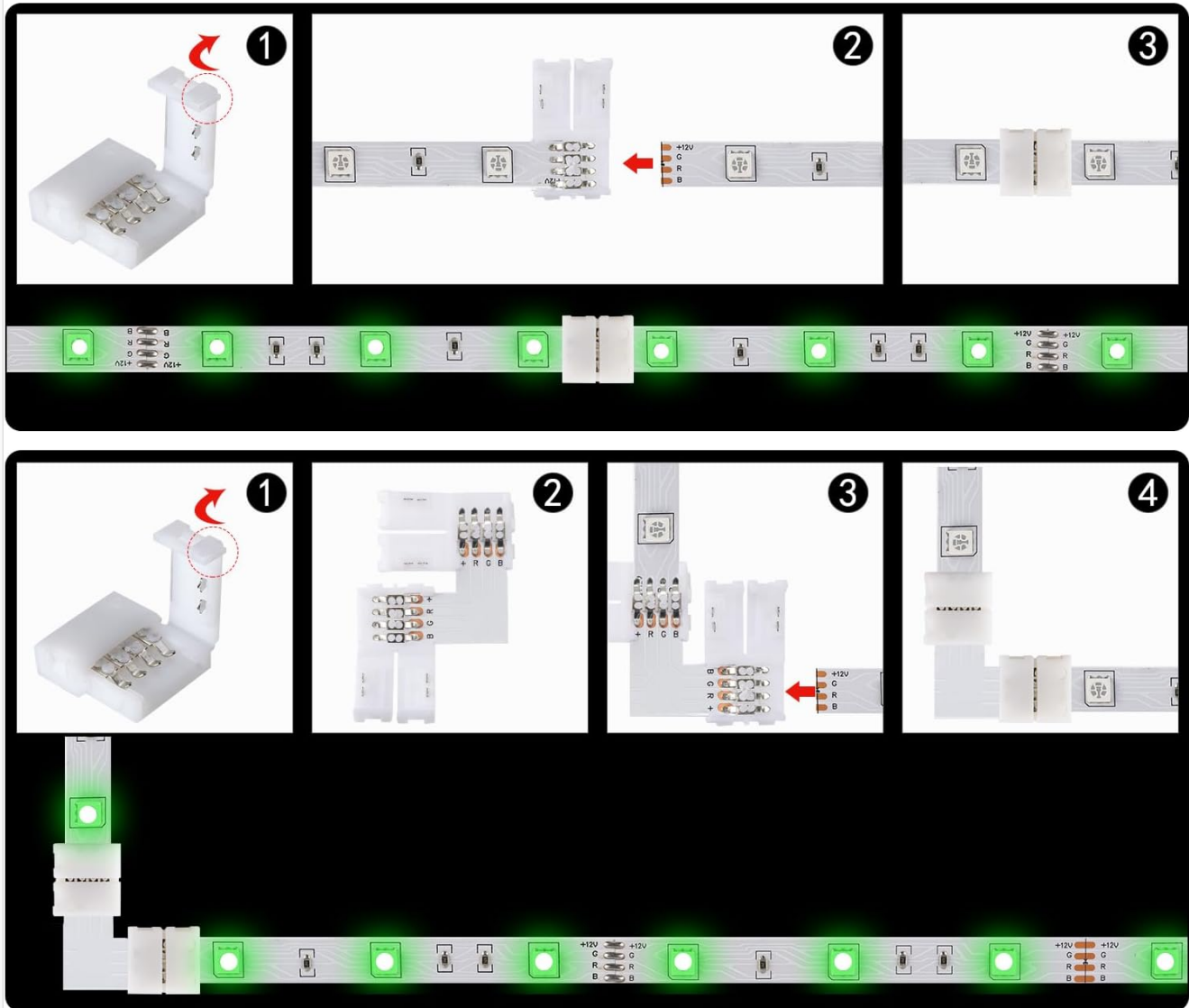


Image Description: A visual guide showing three steps for a straight connection: 1) opening the connector, 2) inserting the LED strip, and 3) closing the connector, with an example of a completed straight connection.

4.3. Connecting with L-Shape Connectors for Corners

1. Open two white plastic connector clips by lifting their top flaps.
2. Insert one end of an L-shape circuit board into one connector clip, ensuring the copper pads align with the metal pins. Close the clip firmly.
3. Insert the other end of the L-shape circuit board into the second connector clip. Close the clip firmly.
4. Now, connect your LED strip segments to the open ends of the two connector clips, following the same alignment and insertion process as with straight couplers.

Go both left and right directions

The + of the light strip doesn't have to match that of the connector.

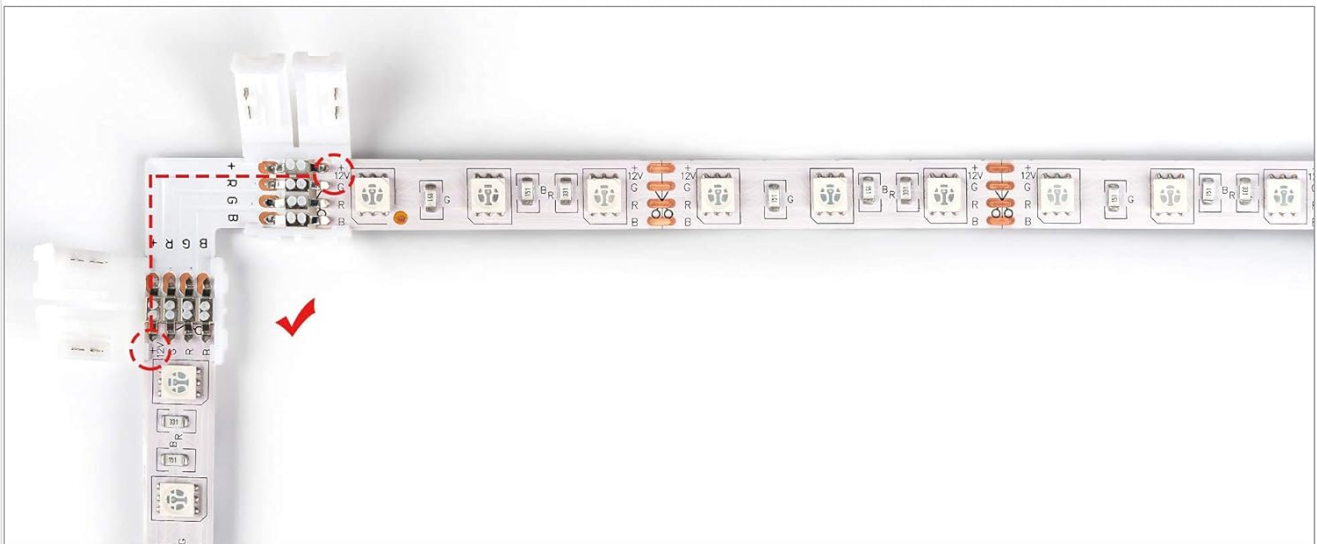


Image Description: A visual guide showing four steps for an L-shape corner connection: 1) opening the connector, 2) inserting the L-shape board into two connectors, 3) inserting the LED strip into the first connector, and 4) inserting the second LED strip, with an example of a completed L-shape connection.

Caution: Do not pry up the metal pins inside the connectors. Doing so may cause permanent damage and lead to poor electrical contact.

5. OPERATING PRINCIPLES

5.1. Solderless Connection

These connectors provide a quick and secure solderless connection. The internal metal pins are designed to make direct electrical contact with the LED strip's copper pads, eliminating the need for soldering.

5.2. Flexible Polarity Alignment

The connectors are designed to function correctly even if the RGB+ markings on the connector do not perfectly match the printed order on the LED strip. The critical factor is that the '+' (positive) contact of the LED strip aligns with the '+' contact of the connector. The other pins (R, G, B) will establish the correct connection through the L-shape board's internal routing.

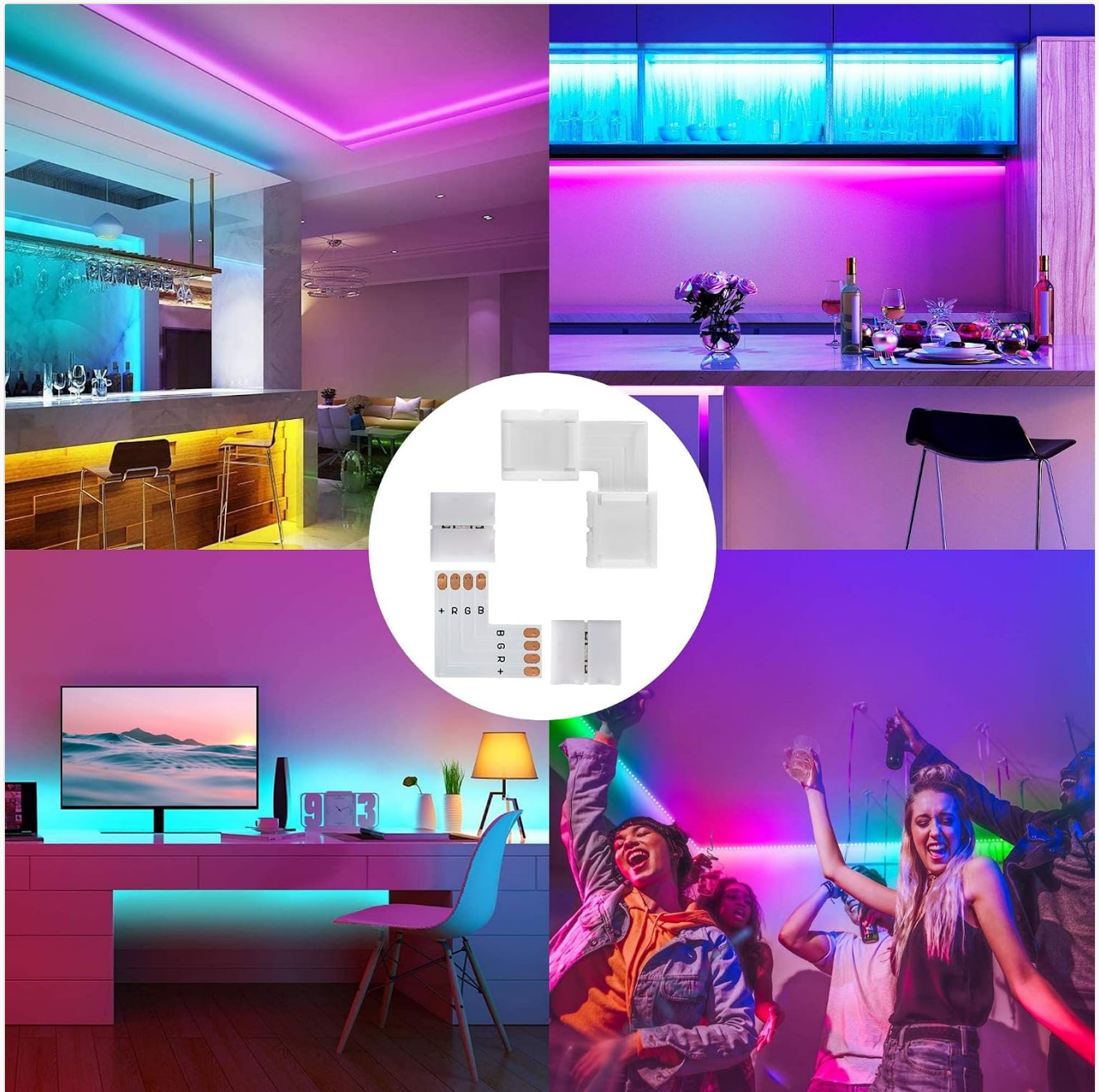


Image Description: Two examples of L-shape connections. The top example shows the RGB+ labels on the strip and connector aligning directly. The bottom example shows the strip inserted with a reversed RGB order relative to the connector's labels, but the '+' terminals are aligned, indicating the connection will still function correctly.

6. MAINTENANCE

These connectors require minimal maintenance. To ensure optimal performance and longevity:

- Keep connections clean and free from dust or debris.
- Ensure connections remain dry, as these are rated for indoor use and are only water-resistant, not waterproof.
- Avoid placing excessive tension or strain on the connected LED strips and connectors.

7. TROUBLESHOOTING

If your LED strip lights are not functioning correctly after connection, consider the following:

- **No Light or Flickering:**
 - Ensure the LED strip's copper contact points are fully inserted under the metal pins of the connector.

- Verify that the connector clip is firmly closed and has snapped into place.
- Check for any debris, adhesive residue, or silicone coating on the copper pads that might obstruct electrical contact.
- Confirm that the '+' (positive) marking on the LED strip aligns with the '+' marking on the connector.
- **Incorrect Colors or Missing Colors:**
 - Re-check the alignment of all four pins (R, G, B, +). While the '+' alignment is crucial, misaligned RGB pins can lead to incorrect color display or missing colors.
 - Ensure all four metal pins are making solid contact with their respective copper pads on the LED strip.
- **Loose Connection:**
 - If the connection feels loose or intermittently fails, gently re-open the clip, re-insert the strip, and close it firmly. Avoid applying excessive force.

If issues persist after checking these points, try using a different connector from the pack to rule out a faulty component.

8. SPECIFICATIONS

Feature	Detail
Brand	JACKYLED
Model Number	JKLED03 (4PIN-10MM-L)
Connector Type	L-Shape 4-Pin LED Connector
Compatible Strip Width	10mm (0.39 inches)
Compatible LED Strip Type	SMD 3528/5050 RGB 4-Pin
Voltage	12 Volts
Max Wattage	72 Watts
Material	PBT fireproof material, Plastic
Indoor/Outdoor Usage	Indoor
Item Weight	1.12 ounces

9. SUPPORT AND WARRANTY

For any questions, technical assistance, or support regarding your JACKYLED connectors, please contact our dedicated customer service team.

- **Customer Service:** Available 24/7 to provide quick and easy-to-follow solutions.
- **Professional Assistance:** Access to technical professionals with extensive product knowledge and problem-solving experience.

While specific warranty details are not provided within this manual, please refer to the product packaging or the official JACKYLED website for the most current warranty information and contact methods.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question