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IEKOV 4330851619

IEKOV Max 750W AC to DC 110V Power Supply Adapter with IR Receiver and 24-Key Remote Control User Manual

For High Voltage RGB LED Light Strips (5m-20m)

1. Product Overview

This manual provides instructions for the IEKOV Max 750W Power Supply Adapter, designed specifically for High Voltage RGB LED Light Strips ranging from 5 to 20 meters. It includes an integrated IR receiver and a 24-key remote control for managing your LED strip's color and brightness.



Image 1.1: The IEKOV Max 750W Power Supply Adapter kit, including the controller, IR remote, power plug, and 4-pin connector.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x IEKOV Max 750W Power Supply Adapter with IR Receiver
- 1 x 24-Key Remote Control
- 1 x 4-Pin Connector (for RGB LED Strip)

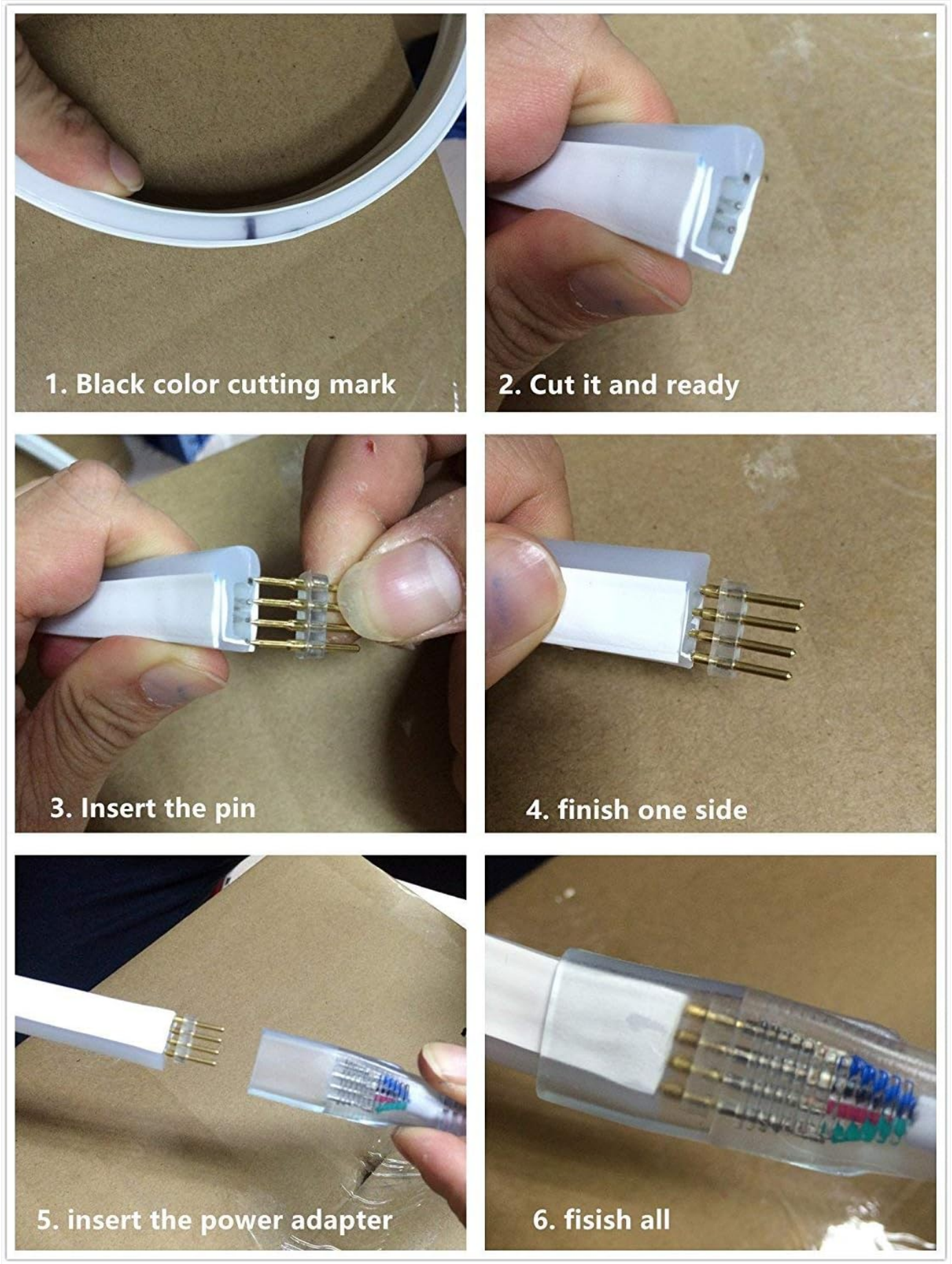


Image 2.1: All components included in the IEKOV Power Supply Adapter kit.

3. Specifications

Input Voltage	AC 100V-120V ~ 50/60Hz 0.5A
Output Voltage	DC 110V
Max Power	750W
Compatibility	IEKOV High Voltage RGB LED Light Strip (5m-20m)
Controller Type	IR Remote Control (24 keys)
Dimensions (L x W x H)	3.54 x 2.76 x 0.98 inches
Item Weight	4.8 ounces (135 Grams)
Water Resistance Level	Not Water Resistant (Indoor Use Only)

4. Setup and Installation

4.1 Safety Information

- Ensure the power supply is disconnected from the main power outlet before any installation or connection.
- This product is designed for **indoor use only** and is not water resistant.
- Do not open the LED controller housing. High voltage is present inside.
- Only use this power supply with compatible IEKOV High Voltage RGB LED Light Strips (5m-20m).

4.2 Connecting the Power Supply and Remote

1. Connect the power plug cable to the input port of the LED controller.
2. Ensure the IR receiver cable is securely connected to the designated port on the LED controller. This receiver must be exposed and not obstructed for the remote control to function correctly.



Image 4.1: The LED controller unit, indicating input and output connections.

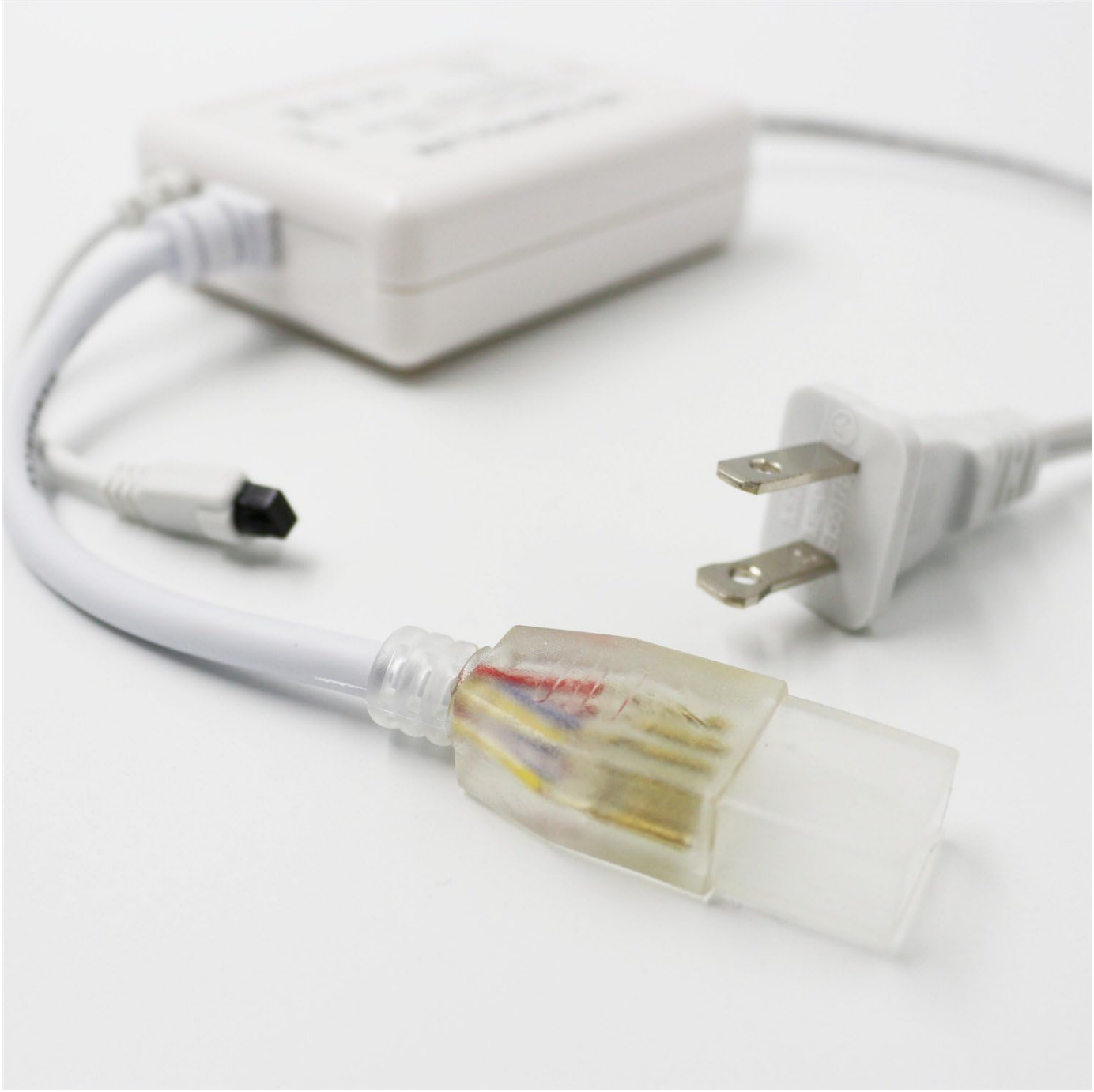


Image 4.2: The power plug connected to the controller's input.

4.3 Connecting to the RGB LED Strip

Follow these steps to connect the power supply to your IEKOV High Voltage RGB LED Light Strip:

1. **Prepare the LED Strip:** If necessary, cut the LED strip at the designated cutting marks (usually indicated by a black line or scissor icon) to achieve your desired length. Ensure the strip is cut cleanly.
2. **Insert Pins:** Carefully insert the 4-pin connector into the end of the RGB LED strip. Ensure all four pins align correctly with the corresponding contacts on the strip.
3. **Connect to Adapter:** Connect the other end of the 4-pin connector to the output port of the power supply adapter. Ensure a secure and correct connection.
4. **Polarity Check:** The LED Strip is polarized. If the lights do not illuminate after connecting, quickly unplug the power cord and flip the power connector 180 degrees, then reinsert it into the power supply.
5. **Secure the Strip:** Use appropriate mounting clips or channels (not included) to fix the LED strip in your desired location. It is recommended to use at least one fixed buckle per meter for secure installation.

6. **Power On:** Once all connections are secure, plug the power supply into a standard AC 110V-120V wall outlet.

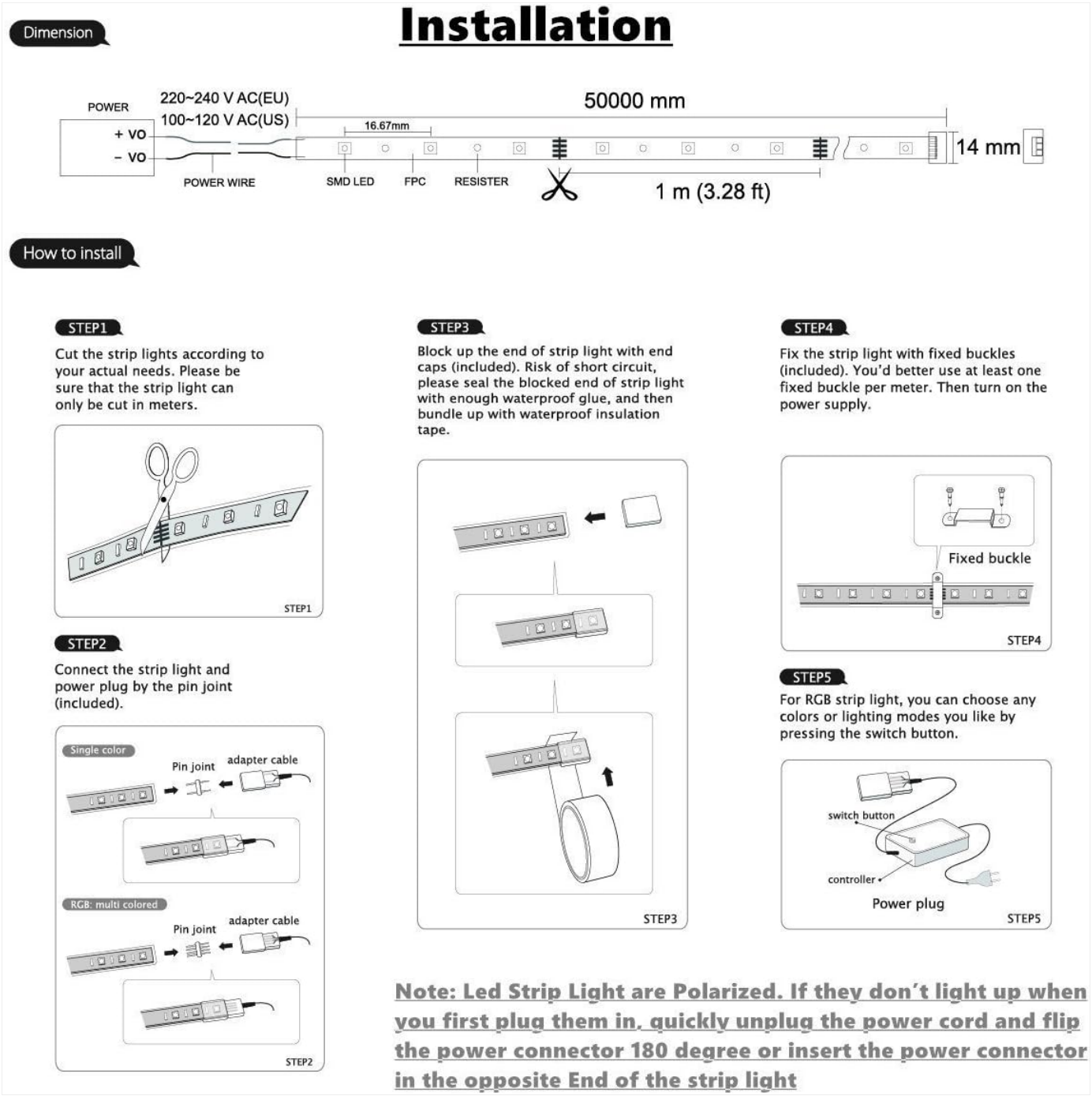


Image 4.3: Visual guide for LED strip preparation and connection.

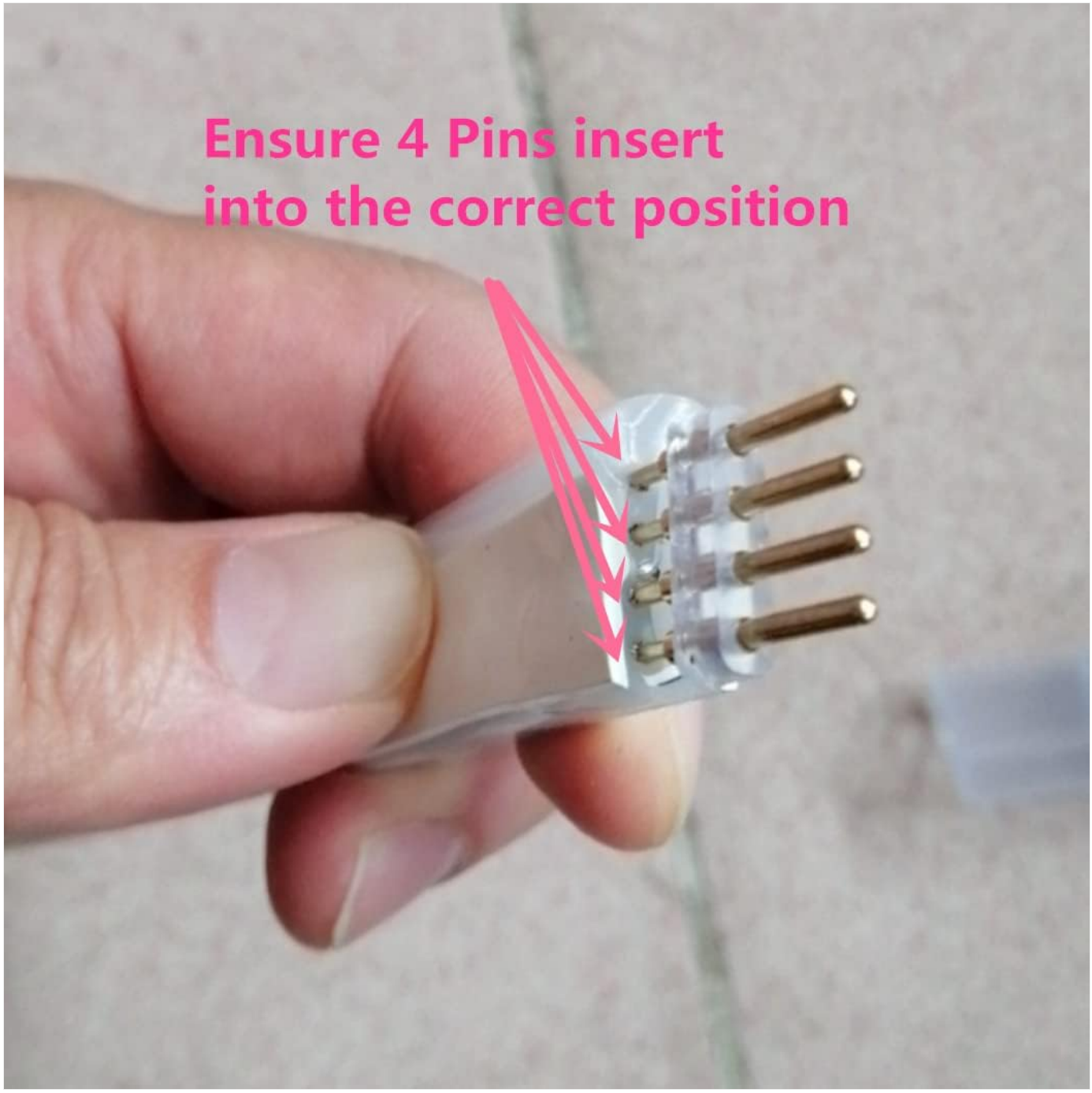


Image 4.4: Ensuring correct 4-pin alignment for proper connection.

5. Operating Instructions

5.1 Using the 24-Key IR Remote Control

The included 24-key IR remote control allows you to manage the color, brightness, and various lighting modes of your RGB LED strip. Point the remote directly at the IR receiver for optimal performance.



Image 5.1: The 24-key IR remote control for color and brightness adjustment.

- **ON/OFF:** Power button to turn the LED strip on or off.
- **Brightness Control:** ▲ (Up) and ▼ (Down) buttons to adjust the brightness level.
- **Color Selection:** 16 dedicated color buttons for direct color selection (e.g., Red, Green, Blue, White, various shades).
- **Dynamic Modes:**
  - **FLASH:** Cycles through colors rapidly.
  - **STROBE:** Flashes a single color.
  - **FADE:** Smoothly transitions between colors.
  - **SMOOTH:** Gradual change between primary colors.
- **RGB Buttons:** Individual R, G, B buttons to adjust the intensity of red, green, or blue components, allowing for custom color mixing.

6. Maintenance

- **Cleaning:** Disconnect the power supply before cleaning. Use a soft, dry cloth to wipe the surface of the power supply and remote control. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and moisture when not in use for extended periods.
- **Inspection:** Periodically check the cables and connections for any signs of damage or wear. Replace any damaged components immediately.

7. Troubleshooting

- **LED Strip does not light up:**
  - Ensure the power supply is securely plugged into a working outlet.
  - Check all connections, especially the 4-pin connector to the LED strip, for proper alignment.
  - If the strip is polarized, try reversing the 4-pin connector's orientation.
  - Verify that the LED strip is compatible with this power supply (IEKOV High Voltage RGB LED Light Strip, 5m-20m).
- **Remote control is not working:**
  - Ensure the remote control has a working battery.
  - Point the remote directly at the IR receiver on the power supply.
  - Remove any obstructions between the remote and the IR receiver.
  - Ensure the IR receiver cable is fully plugged into the controller.
- **Inconsistent lighting or flickering:**
  - Check for loose connections between the power supply, connector, and LED strip.
  - Ensure the LED strip length is within the specified 5m-20m range for optimal performance with this 750W power supply.

8. Warranty and Support

This product is covered by a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact IEKOV customer support directly. If you encounter any issues not covered in this manual, please reach out to our support team for assistance.
Manufacturer: IEKOV

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