Speclux P-MCS002-US

Speclux PC Addressable RGB LED Strip Lights Kit

Model: P-MCS002-US

Introduction

This instruction manual provides detailed information on the installation, operation, and maintenance of your Speclux PC Addressable RGB LED Strip Lights Kit. This kit is designed to enhance the aesthetic appeal of your PC case with vibrant, customizable lighting. It features magnetic and adhesive mounting options for easy installation and is compatible with various motherboard RGB synchronization technologies.

Package Contents

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

- 2 x Addressable RGB LED Strips (42 LEDs each)
- 1 x Key Controller
- 2 x Extension Cables (for motherboard connection)
- 1 x 5V SATA Connection Cable



Figure 1: Contents of the Speclux PC Addressable RGB LED Strip Lights Kit.

Setup and Installation

1. Power Connection Options

The LED strips can be powered and controlled via two primary methods:

1. **5V 3-pin RGB Header (Motherboard Sync):** Connect the LED strips directly to your motherboard's 5V 3-pin addressable RGB header using the provided extension cables. This allows synchronization with motherboard software such as Asus Aura Sync, Gigabyte RGB Fusion, MSI Mystic Light, and ASRock RGB LED. Ensure your motherboard has a compatible 5V 3-pin header (not 12V 4-pin).
2. **5V SATA Connection (Standalone Control):** If your motherboard lacks a compatible RGB header, or if you prefer standalone control, use the included 5V SATA connection cable. This connects to a SATA power connector from your power supply and allows control via the included key controller.



Figure 2: Connection methods for the LED strips, including 5V SATA and motherboard ARGB headers.

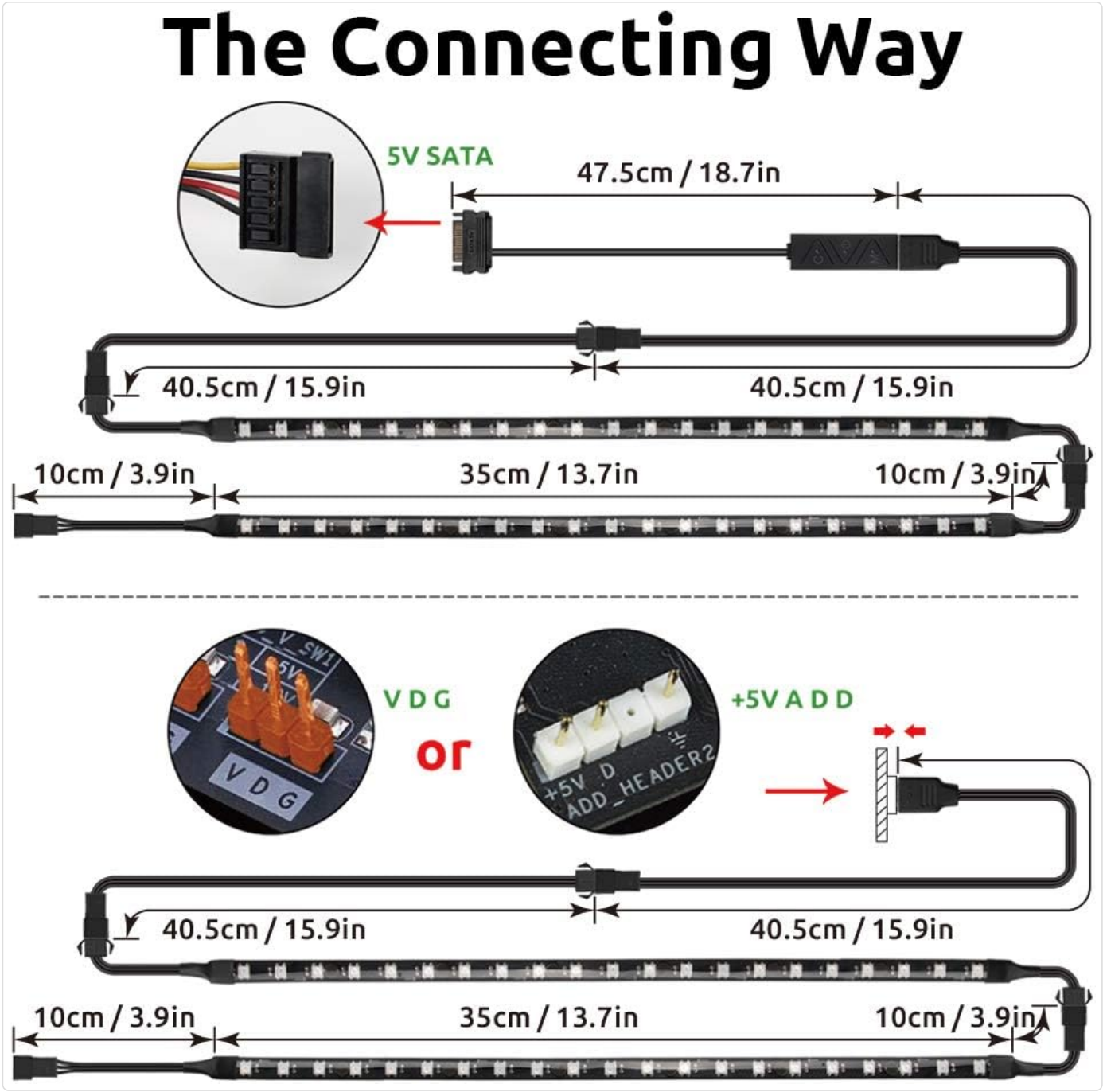


Figure 3: Detailed dimensions for connecting the LED strips and cables.

2. Mounting Methods

The LED strips offer flexible mounting options to suit various PC case designs:

- **Magnetic Backing:** Each strip features built-in strong magnets, allowing for easy and secure attachment to any ferrous metal surface within your PC case. This method provides flexibility for repositioning the strips as needed.
- **Double-Sided Adhesive:** For non-magnetic surfaces or additional security, high-quality double-sided adhesive is provided. Peel off the protective film and firmly press the strip onto the desired clean, dry surface.

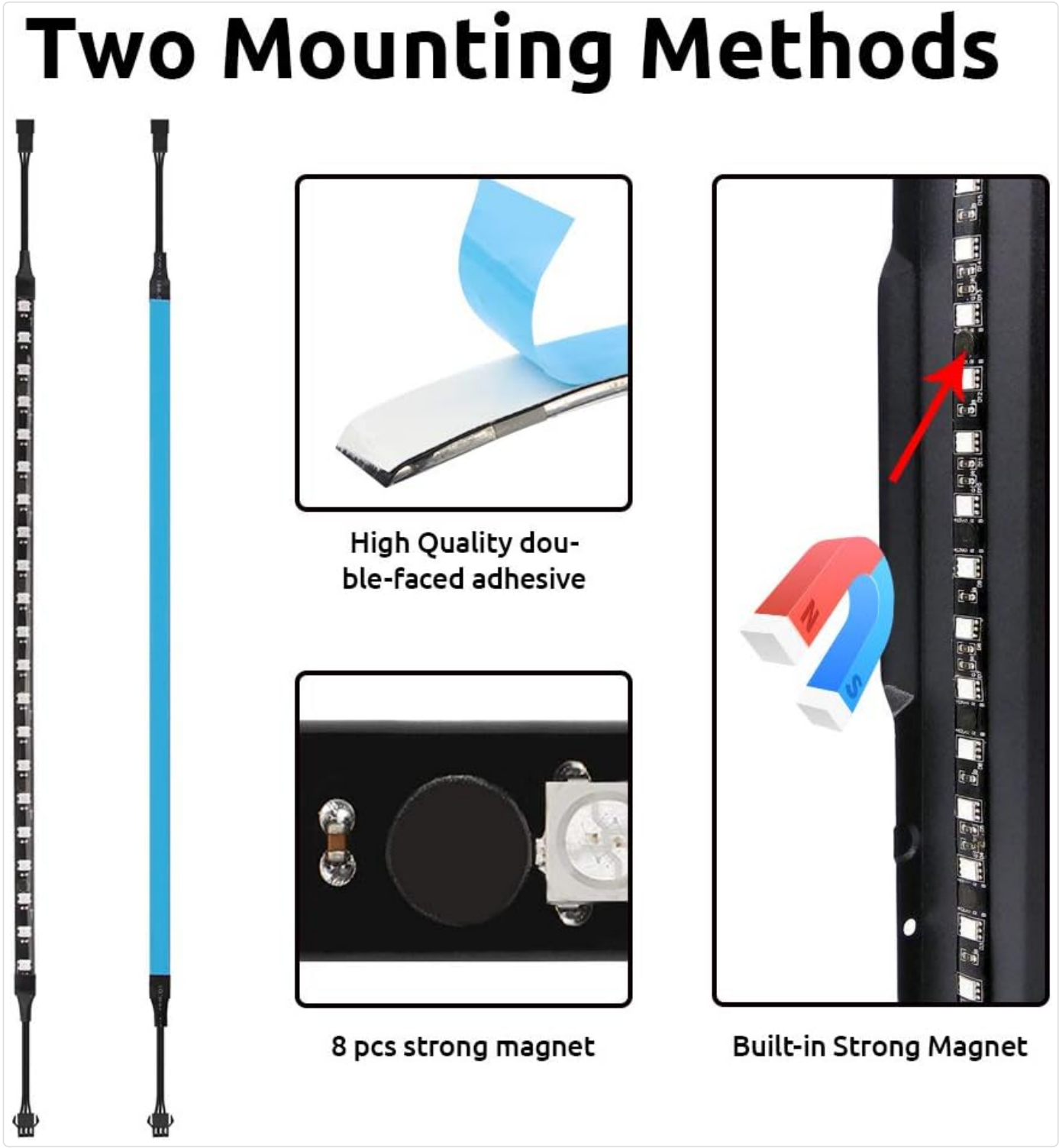


Figure 4: Magnetic and adhesive mounting options for the LED strips.

Operation

Once installed, the LED strips can be controlled to achieve various lighting effects:

- **Motherboard Software Control:** If connected to a compatible 5V 3-pin ARGB header, use your motherboard's dedicated RGB software (e.g., Asus Aura Sync, Gigabyte RGB Fusion, MSI Mystic Light, ASRock RGB LED) to customize colors, effects, and synchronize lighting with other components.
- **Key Controller Operation:** If using the 5V SATA connection, the included key controller allows for direct control. This controller typically offers modes for dynamic color changes, static colors, and adjustable brightness/speed. Refer to the controller's specific buttons for detailed functions.



Figure 5: Rainbow lighting effects and motherboard compatibility.

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Video 1: Demonstration of the Speclux PC Addressable RGB LED Strip Lights Kit in operation, showcasing various lighting effects and motherboard synchronization.



Figure 6: Examples of the LED strips installed in a PC case, displaying dynamic lighting.

Maintenance

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

- **Cleaning:** Gently wipe the LED strips with a dry, soft cloth to remove dust. Avoid using liquid cleaners or abrasive materials, as these can damage the LEDs or the strip's coating.
- **Handling:** When handling the strips, avoid excessive bending or twisting, especially near the connection points, to prevent damage to the internal wiring.
- **Environment:** Ensure the PC case environment is kept clean and free from excessive dust, which can accumulate on the strips and potentially affect light output. The product is not water resistant; avoid exposure to liquids.

Troubleshooting

If you encounter issues with your Speclux LED Strip Lights Kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
LEDs do not light up.	Incorrect power connection, loose cable, incompatible motherboard header.	**Check Power:** Ensure the 5V SATA cable is securely connected to your power supply, or the 3-pin header is correctly seated on the motherboard. **Verify Compatibility:** Confirm your motherboard has a 5V 3-pin ARGB header, not a 12V 4-pin RGB header. **Test Controller:** If using the SATA connection, ensure the key controller is functioning.
Colors are incorrect or inconsistent.	Incorrect motherboard software settings, faulty strip/LED.	**Software Settings:** Adjust color settings in your motherboard's RGB software. Ensure the correct LED strip type is selected if applicable. **Re-seat Connections:** Disconnect and reconnect the strip cables to ensure a proper connection.
Strips do not stick to surface.	Surface is not clean, not magnetic, or adhesive is worn.	**Clean Surface:** Ensure the mounting surface is clean, dry, and free of dust or grease before applying adhesive. **Magnetic Check:** Verify the surface is ferrous metal for magnetic attachment. **Apply Pressure:** Apply firm, even pressure when using adhesive to ensure good contact.

Technical Specifications

Feature	Detail
Model Number	P-MCS002-US
Light Source Type	LED (Addressable RGB)
Number of LEDs per Strip	42
Voltage	5 Volts
Wattage	5 watts
Power Source Options	5V 3-pin RGB header or SATA connection
Compatibility	ASUS Aura SYNC, Gigabyte RGB Fusion, MSI Mystic Light Sync, ASRock RGB LED (5V 3-Pin addressable headers)
Control Method	Motherboard Software or Key Controller
Mounting Methods	Magnetic backing, Double-sided adhesive
Material	Plastic
Indoor/Outdoor Usage	Indoor Use Only

Feature	Detail
Water Resistance Level	Not Water Resistant

Warranty and Support

Speclux products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the official Speclux website or contact their customer service department. Keep your purchase receipt for warranty validation.
For further assistance, visit the Speclux Store on Amazon.

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