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Phanteks PH-NELEDKT_M1

Phanteks NEON Digital-RGB LED Strip M1 (1-Meter) Instruction Manual

Model: PH-NELEDKT_M1 | Brand: Phanteks

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1. PRODUCT OVERVIEW

The Phanteks NEON Digital-RGB LED Strip M1 is a 1-meter flexible lighting strip designed to enhance the aesthetic of your PC hardware. It features high-quality Digital-RGB LEDs that provide a smooth and consistent illumination across the entire strip, offering a full range of colors. Its flexible design and multiple mounting options allow for versatile placement within your computer case, illuminating components such as motherboards, GPUs, and other internal hardware. The strip is compatible with Digital-RGB equipped motherboards and other Phanteks Digital-RGB products, ensuring synchronized lighting effects.

Key Features:

- **High-Quality Digital-RGB:** Provides a smooth and stable illumination with a full color range.
- **Flexible Mounting:** Designed for versatile placement around PC components.
- **Daisy Chain Design:** Allows for easy expansion and connection with additional strips.
- **Motherboard Compatibility:** Works with Digital-RGB equipped motherboards for synchronized lighting.
- **Efficient Power Consumption:** Operates with low power usage.

2. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- 1x Phanteks NEON Digital-RGB LED Strip M1 (1-meter)
- Mounting Clips (various types for straight and angled placement)
- 3M Adhesive Pads (for securing mounting clips)
- Digital-RGB Motherboard Adapter Cable



Image: Included mounting clips and adhesive pads for the LED strip.

3. INSTALLATION GUIDE

Follow these steps to properly install your Phanteks NEON Digital-RGB LED Strip M1:

- Plan Placement:** Determine the desired location for your LED strip within your PC case. Consider areas around the motherboard, GPU, or case edges for optimal lighting effect. The strip is flexible and can be shaped to fit various contours.
- Prepare Surface:** Ensure the mounting surface is clean, dry, and free of dust or grease for optimal adhesive performance.
- Attach Adhesive to Clips:** Peel the backing from the 3M adhesive pads and apply them firmly to the back of the mounting clips.
- Secure Clips:** Position the mounting clips along your planned route and press them firmly onto the surface. Use enough clips to securely hold the strip in place, especially around bends or corners.
- Insert LED Strip:** Carefully insert the Phanteks NEON Digital-RGB LED Strip into the secured mounting clips. Ensure the strip is seated properly and evenly.



Image: The LED strip shown with various mounting clips for flexible installation.

- Connect to Motherboard:** Locate an available 3-pin Digital-RGB header (often labeled 'ARGB' or 'Digital RGB') on your motherboard. Connect the Digital-RGB motherboard adapter cable to the LED strip, then connect the other end to the motherboard header. Ensure correct pin orientation to avoid damage.
- Daisy Chaining (Optional):** If you are using multiple Phanteks Digital-RGB products, you can daisy chain them together using the provided extension cable to synchronize lighting effects.



Image: The LED strip installed along the edge of a motherboard, showcasing its lighting capabilities.

Mounting Examples:



Example: LED strip configured with a right-angle bend using a corner clip.



Example: LED strip arranged in a smooth, wavy pattern.

4. OPERATING INSTRUCTIONS

The Phanteks NEON Digital-RGB LED Strip M1 is controlled via your motherboard's Digital-RGB software or a compatible external controller. It does not feature an integrated button control on the strip itself.

- **Motherboard Software:** If connected to a Digital-RGB header on your motherboard, use the motherboard manufacturer's dedicated RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync) to customize lighting effects, colors, and patterns.
- **External Controller:** If you are using a Phanteks Digital-RGB controller or another compatible third-party controller, refer to that controller's specific instructions for operation.

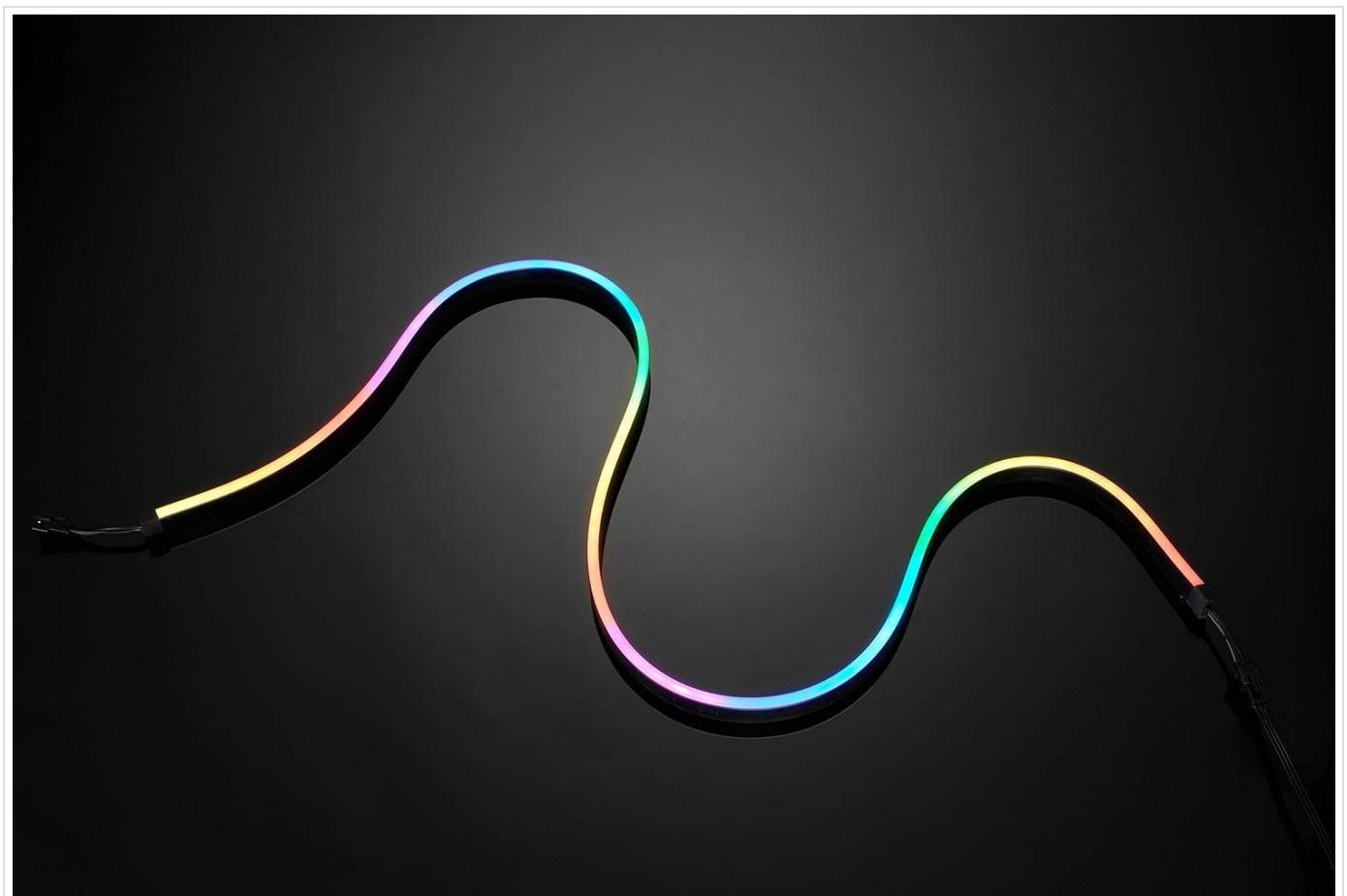


Image: The LED strip showcasing a smooth, multi-color lighting effect.

5. MAINTENANCE

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

- Cleaning:** Gently wipe the surface of the LED strip with a soft, dry, or slightly damp cloth. Avoid using harsh chemicals or abrasive materials, as these can damage the strip's surface or internal components.
- Dust Removal:** Periodically use compressed air to remove dust accumulation from the strip and surrounding areas within your PC case.
- Connection Check:** Ensure all cables and connectors remain securely attached to the LED strip and motherboard. Loose connections can lead to intermittent lighting or functionality issues.
- Avoid Excessive Bending:** While flexible, avoid bending the strip sharply or repeatedly at extreme angles, as this can damage the internal wiring or LED components.

6. TROUBLESHOOTING

If you encounter issues with your Phanteks NEON Digital-RGB LED Strip M1, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
LED strip does not light up.	Loose connection, incorrect header, power issue.	Ensure the Digital-RGB cable is securely connected to both the LED strip and the motherboard's 3-pin Digital-RGB header. Verify the motherboard header is enabled in BIOS/UEFI or software. Check power supply connections to the motherboard.
Incorrect colors or flickering.	Software conflict, incorrect pinout, faulty strip.	Ensure only one RGB control software is running. Verify the Digital-RGB cable is connected to a 3-pin Digital-RGB header, not a 4-pin RGB header. Update motherboard RGB software. If the issue persists, the strip may be faulty.
Adhesive pads are not holding the clips.	Improper surface preparation, weak adhesive.	Clean the mounting surface thoroughly with isopropyl alcohol and let it dry completely before applying adhesive. Apply firm pressure for at least 30 seconds when attaching clips. For persistent issues, consider using stronger double-sided adhesive tape.
Cannot control lighting effects.	Software not installed/configured, incompatible header.	Install and configure your motherboard's Digital-RGB control software. Ensure the strip is connected to a 3-pin Digital-RGB header. Consult your motherboard manual for specific RGB header information.

7. SPECIFICATIONS

Feature	Detail
Model Number	PH-NELEDKT_M1
Length	1 Meter (39.4 Inches)
Color	Multicolor, Neon (Digital-RGB)
Light Source Type	LED
Voltage	5 Volts

Feature	Detail
Wattage	18 Watts
Number of Light Sources	70
Material	Metal, Vinyl
Indoor/Outdoor Usage	Indoor
Control Method	App (via motherboard software)
Item Weight	6.7 ounces

8. WARRANTY AND SUPPORT

Phanteks products are manufactured to high standards and undergo rigorous quality control. For specific warranty details, including coverage period and terms, please refer to the warranty information provided with your product packaging or visit the official Phanteks website.

For technical support, troubleshooting assistance, or inquiries regarding your Phanteks NEON Digital-RGB LED Strip M1, please contact Phanteks customer service through their official website or the contact information provided in your product documentation.

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