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MICTUNING P4-N-4

MICTUNING P4-NEON 4 Gang Switch Panel Instruction Manual

Model: P4-N-4 | Brand: MICTUNING

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MICTUNING P4-NEON 4 Gang Switch Panel. Please read this manual thoroughly before use to ensure proper functionality and safety.



Figure 1: MICTUNING P4-NEON 4 Gang Switch Panel and included components.

PACKAGE CONTENTS

Verify that all items are present in the package:



Figure 2: All components included in the MICTUNING P4-NEON 4 Gang Switch Panel package.

1. Power Hub
2. Switch Panel
3. Wire Harness
4. ACC Wire
5. Mounting Brackets
6. 140pcs Switch Labels
7. Fuse Tap
8. Wires (Power and Ground)
9. User Manual
10. Zip Ties
11. Fasteners
12. MICTUNING Stickers
13. Packing Box

14. Spare Fuses
15. Circuit Breaker (60A)

SETUP AND INSTALLATION

The MICTUNING P4-NEON switch panel is designed for flexible installation and simplified wiring. The power hub centralizes connections, reducing cable clutter and enhancing safety.

1. Power Hub Installation

Install the power hub in a secure, dry location, typically under the hood, ensuring it is protected from direct elements. Connect the main power and ground wires from the vehicle's battery to the power hub. The included 60A circuit breaker should be installed inline with the main power connection for protection.

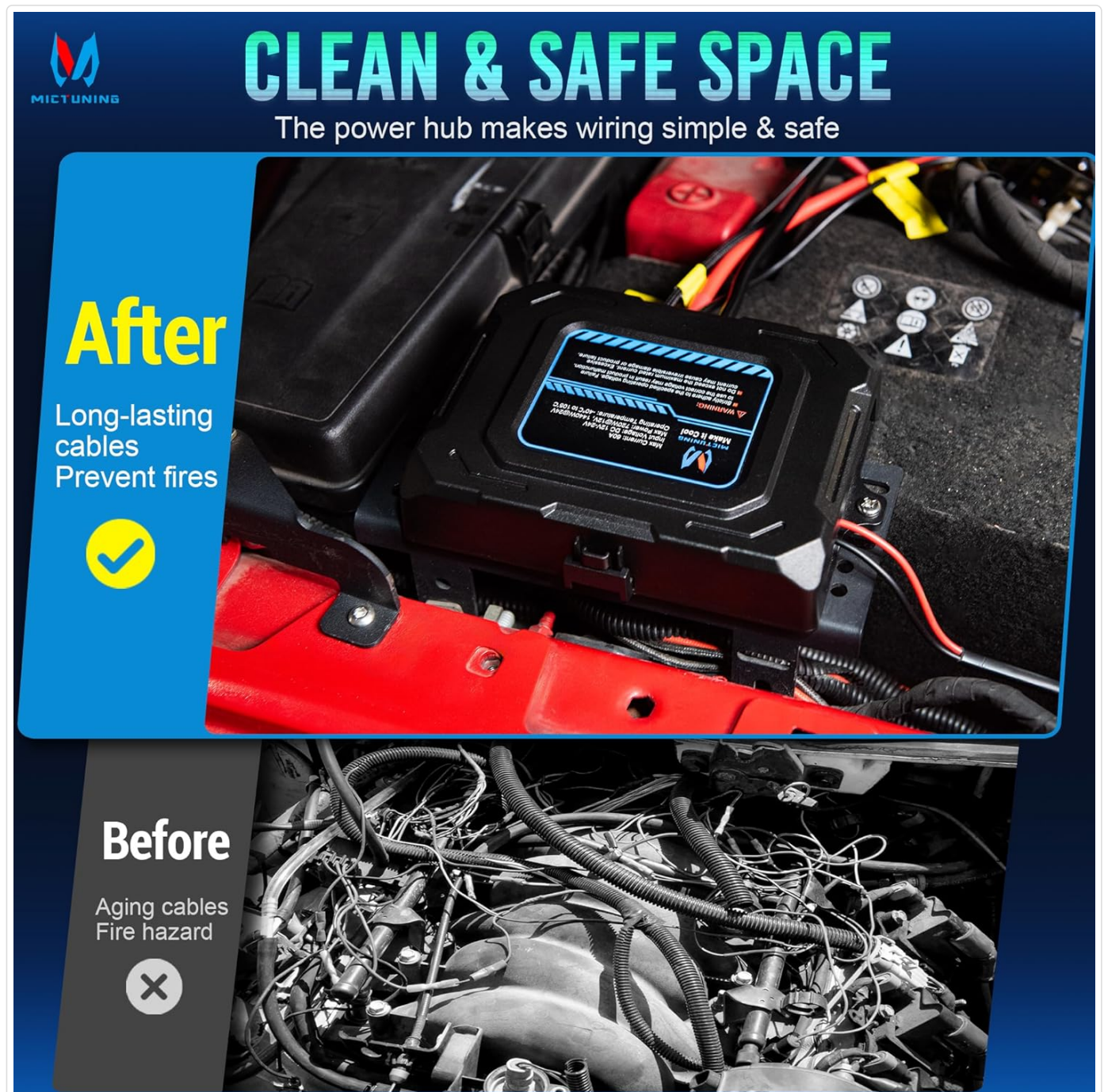


Figure 3: Example of a clean and safe wiring setup using the power hub.

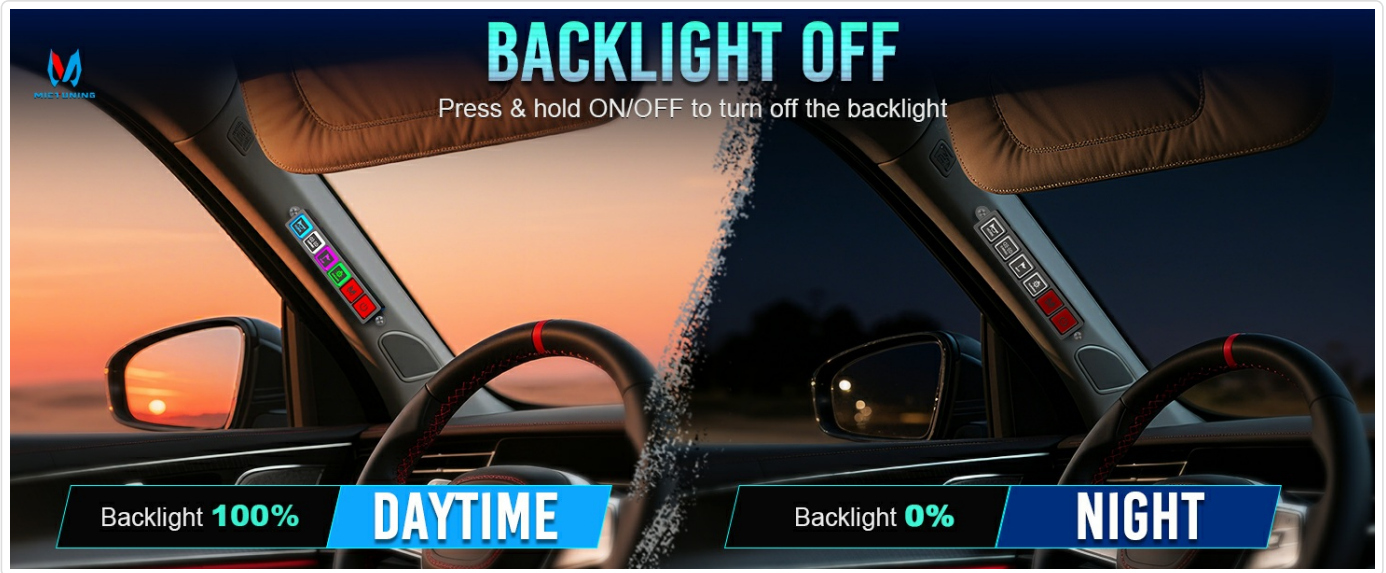


Figure 4: Wiring diagram for the power hub, showing connections for different circuits.

2. Switch Panel Mounting

The slim design of the switch panel allows for versatile mounting options. It can be installed horizontally or vertically on surfaces such as the dashboard, A-pillar, or overhead console using the provided mounting brackets and fasteners.



0.59 in
1.18 in
5.59 in

VERTICAL OR HORIZONTAL

More flexible,
convenient mounting



Figure 5: Flexible mounting options for the switch panel, including vertical and horizontal orientations.



Figure 6: The compact design allows for installation in diverse vehicle interior spaces.

3. Connecting the Switch Panel

Connect the switch panel to the power hub using the provided wire harness. Ensure all connections are secure. Apply the appropriate switch labels to the silicone buttons for easy identification of controlled accessories.

OPERATING INSTRUCTIONS

The P4-NEON switch panel features color-coded backlit silicone buttons for intuitive operation and four distinct control modes.

1. Turning On/Off the Switch Panel

Press any button to turn on the switch panel. The buttons will illuminate according to their current mode. To turn off the backlight, press and hold the power button (rightmost button) for a few seconds. Press any button again to turn the backlight back on.



BACKLIGHT OFF

Switch off backlight for safe night driving

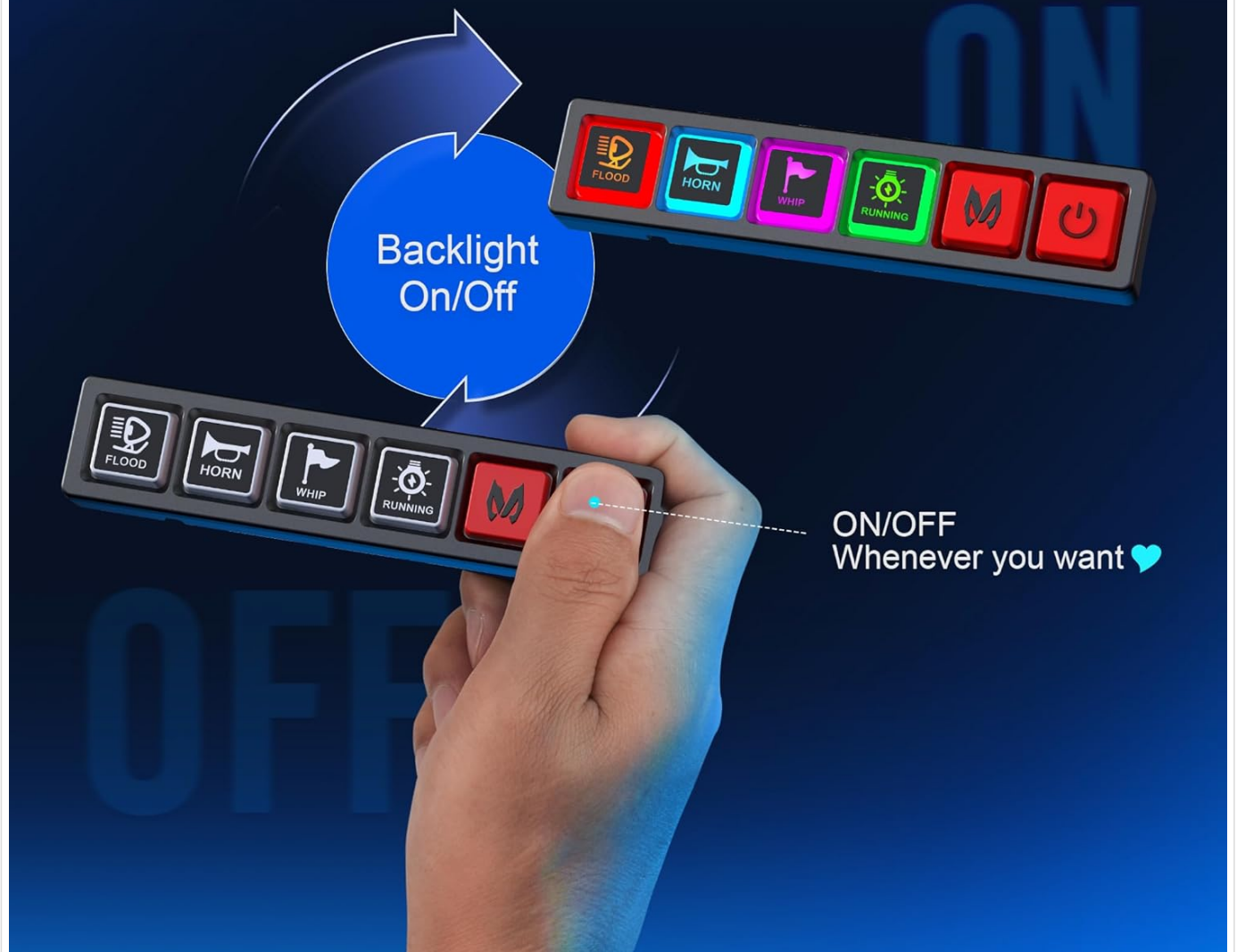


Figure 7: Turning the backlight off for night driving by pressing the power button.

2. Understanding Control Modes

Each button's backlight color indicates its control mode:

- **Red:** Toggle Mode (On/Off)
- **Blue:** Momentary Mode (Active while pressed)
- **Purple:** Flash Mode (Flashes continuously)
- **Green:** Strobe Mode (Strobes continuously)
- **White:** Standby Mode (Backlight off, but ready for activation)



NO NEED FOR INDICATOR

The button's color already tells you everything



Figure 8: The four distinct control modes indicated by button color.

3. Setting Control Modes

To change a button's control mode:

1. Press any button to turn on the switch panel.
2. Press and hold the "M" (Mode) button. When the red backlight flashes, the panel is in Control Mode Setting state.
3. Select the desired switch button you wish to configure. Each press will cycle through the four control modes (Toggle, Momentary, Flash, Strobe), indicated by the button's backlight color.
4. Once the desired mode is set, press the "M" (Mode) button again to save the settings and exit the Control Mode Setting state.

Your browser does not support the video tag.

Video 1: Detailed instructions on how to set the control modes for each switch button on the MICTUNING P4-NEON panel.

4. Restoring to Factory Settings

To restore the switch panel to its factory default settings:

1. Press any button to turn on the switch panel.
2. Press and hold the "M" (Mode) button for 7 seconds.
3. The backlight will turn off, indicating that the factory settings have been restored.

5. Switching Power Source (Battery/ACC)

The power source for the switch panel can be configured between direct battery power and ACC (Accessory) power. This setting is controlled via a switch on the power hub.

- When the power indicator on the power hub is **on**, the system is powered directly by the **Battery**.
- When the power indicator on the power hub is **off**, the system is powered by **ACC** (Accessory) power, meaning it will turn on/off with the vehicle's ignition.

Adjust the switch on the power hub according to your preferred power source. Refer to the markings on the power hub for the correct switch position.

MAINTENANCE

The MICTUNING P4-NEON switch panel is built with durable materials and features an IP65 waterproof rating, ensuring reliable performance in various conditions.

- **Cleaning:** Use a soft, damp cloth to clean the switch panel and power hub. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically check all wiring connections for tightness and signs of wear or corrosion. Ensure the circuit breaker is functioning correctly.
- **Fuses:** The power hub includes various fuses for each circuit. If a connected accessory stops working, check the corresponding fuse on the power hub and replace it with a spare fuse of the same rating if necessary.

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Video 2: Overview of the MICTUNING P4-NEON 4 Gang Switch Panel, highlighting its features and durable construction.

TROUBLESHOOTING

If you encounter issues with your MICTUNING P4-NEON switch panel, refer to the following common troubleshooting steps:

- **Panel Not Powering On:**
 - Check the main power connection to the vehicle battery.
 - Verify the 60A circuit breaker is not tripped.
 - Ensure the power source switch on the power hub is correctly set (Battery or ACC).
- **Accessory Not Working:**
 - Check the specific fuse for that circuit on the power hub and replace if blown.
 - Verify the wiring connection from the power hub to the accessory.
 - Ensure the switch button is set to the correct control mode for the accessory.
- **Backlight Issues:**
 - If the backlight is off, press any button to reactivate it.
 - If specific buttons are not lighting up, check for loose connections or internal damage.

For further assistance, please contact MICTUNING customer support.

SPECIFICATIONS



P4 NEON SWITCH PANEL
Colorful backlight glows through silicone buttons

DC 12V/24V Working Voltage	720w@12V Max. Power	1440w@24V Max. Power	60A Max. Current
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Figure 9: Key technical specifications of the P4-NEON switch panel.

Feature	Detail
Model Number	P4-N-4
Operating Voltage	12V / 24V DC
Maximum Power	720W @ 12V / 1440W @ 24V
Maximum Current	60 Amps
Operating Temperature	-40°C to 105°C

Waterproof Rating	IP65
Circuit Type	4-way
Product Dimensions (L x W x H)	2.68 x 1.77 x 3.74 inches
Operation Mode	ON-OFF

WARRANTY AND CUSTOMER SUPPORT


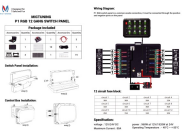
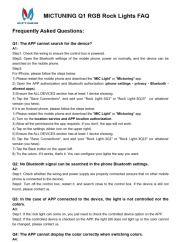
MICTUNING is committed to providing high-quality products and excellent customer service. Your P4-NEON switch panel comes with lifetime customer support.

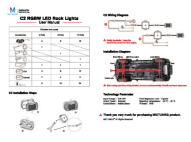

If you require assistance or have any questions, please contact MICTUNING customer support. You can typically reach support within 4 hours for friendly assistance.

To contact the seller via Amazon:

- 1. Log in to your Amazon account.
- 2. Go to "Your Orders".
- 3. Find the order ID for your MICTUNING P4-NEON switch panel.
- 4. Click "Problem with the order".
- 5. Choose "Other issue".
- 6. Click "Contact seller".

Related Documents - P4-N-4

	<p>MICTUNING P1s APP Control Switch Panel User Manual</p> <p>Detailed user manual for the MICTUNING P1s APP Control Switch Panel. Covers installation guides for switch panels and control boxes, comprehensive wiring diagrams for 8-gang and 12-gang configurations, fuse block specifications, control mode settings (Constant, Momentary, Strobe), Bluetooth app integration, backlight customization, and frequently asked questions. Essential guide for automotive accessory installation.</p>
	<p>MICTUNING P1 RGB 12 Gang Switch Panel User Guide</p> <p>Comprehensive guide for the MICTUNING P1 RGB 12 Gang Switch Panel, covering installation, wiring, lighting modes, and troubleshooting.</p>
	<p>MICTUNING Q1 RGB Rock Lights FAQ</p> <p>Frequently asked questions and answers regarding the MICTUNING Q1 RGB Rock Lights, covering app connectivity, Bluetooth signals, color control, flashing lights, and power status.</p>

	<p>MICTUNING C2 RGBW LED Rock Lights User Manual</p> <p>Comprehensive user manual for the MICTUNING C2 RGBW LED Rock Lights, covering installation, wiring, technical specifications, and troubleshooting.</p>
	<p>MICTUNING Q1 RGBW LED Rock Lights User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for MICTUNING Q1 RGBW LED Rock Lights. Includes product specifications, installation steps, wiring diagrams, and accessory details for 4-pod and 8-pod kits.</p>
	<p>MICTUNING C3 RGBW LED Rock Lights - Installation and User Manual</p> <p>Comprehensive guide for MICTUNING C3 RGBW LED Rock Lights, covering installation, wiring, control box operation, Bluetooth APP features, and troubleshooting. Enhance your vehicle with customizable multi-color lighting.</p>