

MICTUNING RGB 6 Gang(Remote Control)

MICTUNING RGB 6 Gang Switch Panel Remote Control User Manual

Model: RGB 6 Gang (Remote Control) | Brand: MICTUNING

PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of the MICTUNING RGB 6 Gang Switch Panel with Remote Control. This versatile system allows for centralized management and control of various automotive accessories, offering enhanced convenience and functionality for your vehicle.

Key features include:

- **Multi-Control Remote:** Connect up to 5 RF remote controls to one power hub, or pair one remote with up to 5 power hubs for comprehensive control. The remote has a magnetic feature for convenient placement.
- **Extended Wireless Range:** The 433MHz RF remote operates wirelessly up to 230 feet (70 meters).
- **Versatile Control Modes:** Features 4 distinct modes: Toggle (Red), Momentary (Blue), Flash (Purple), and Strobe (Green), each indicated by a unique LED color for instant recognition.
- **Customizable Lighting:** Choose from 8 backlight colors and various effects (gradient, jump, breathing).
- **Adjustable Brightness & Memory:** Adjust brightness across 6 levels (0%-100%) for optimal visibility. A memory function saves your last mode and color settings. Backlight can be turned off to prevent glare.
- **Robust Performance:** Handles 12V@720W or 24V@1440W loads (60A max) and operates in extreme temperatures (-40°F to 221°F) with an IP65 waterproof rating.
- **Easy Installation:** Designed for quick and clean wiring, compatible with RVs, 12-24V marine systems, cars, trucks, off-road vehicles, ATV/UTVs, boats, yachts, and caravans.

WHAT'S IN THE BOX

Upon opening the package, verify that all components listed below are present:

- 6 Gang Switch Panel
- Remote Control
- Power Hub
- Switch Labels
- Adhesive Pad
- Mounting Brackets
- Wiring Harness
- Antenna

- MICTUNING Stickers
- Instructions (this manual)
- Circuit Breaker
- Spare Fuses
- Mounting Hardware



Image: All components included in the MICTUNING RGB 6 Gang Switch Panel package.

SPECIFICATIONS

Feature	Detail
Product Dimensions	10 x 6 x 3.5 inches; 4.1 Pounds
Batteries	1 Lithium Polymer battery required (included)

Feature	Detail
Operation Mode	ON-OFF-ON
Current Rating	60 Amps (max)
Operating Voltage	12 Volts / 24 Volts
Contact Type	Push Button Switch
Connector Type	Through Hole
Terminal	Screw
Circuit Type	6-way
Contact Material	Aluminum
Operating Temperature	-40°F to 221°F (-40°C to 105°C)
Waterproof Rating	IP65

SETUP AND INSTALLATION

The MICTUNING RGB 6 Gang Switch Panel is designed for straightforward installation, ensuring a clean and organized engine bay. It is compatible with a wide range of 12-24V vehicles and marine systems.

Wiring Diagram

Follow the diagram below for proper electrical connections. Ensure all connections are secure and insulated to prevent short circuits.



EASY WIRING

12-24V

Input Voltage

**720W@12V
1440W@24V**

Maximum Power

60A

Maximum Current

-40°F to 221°F

Operating
Temperature

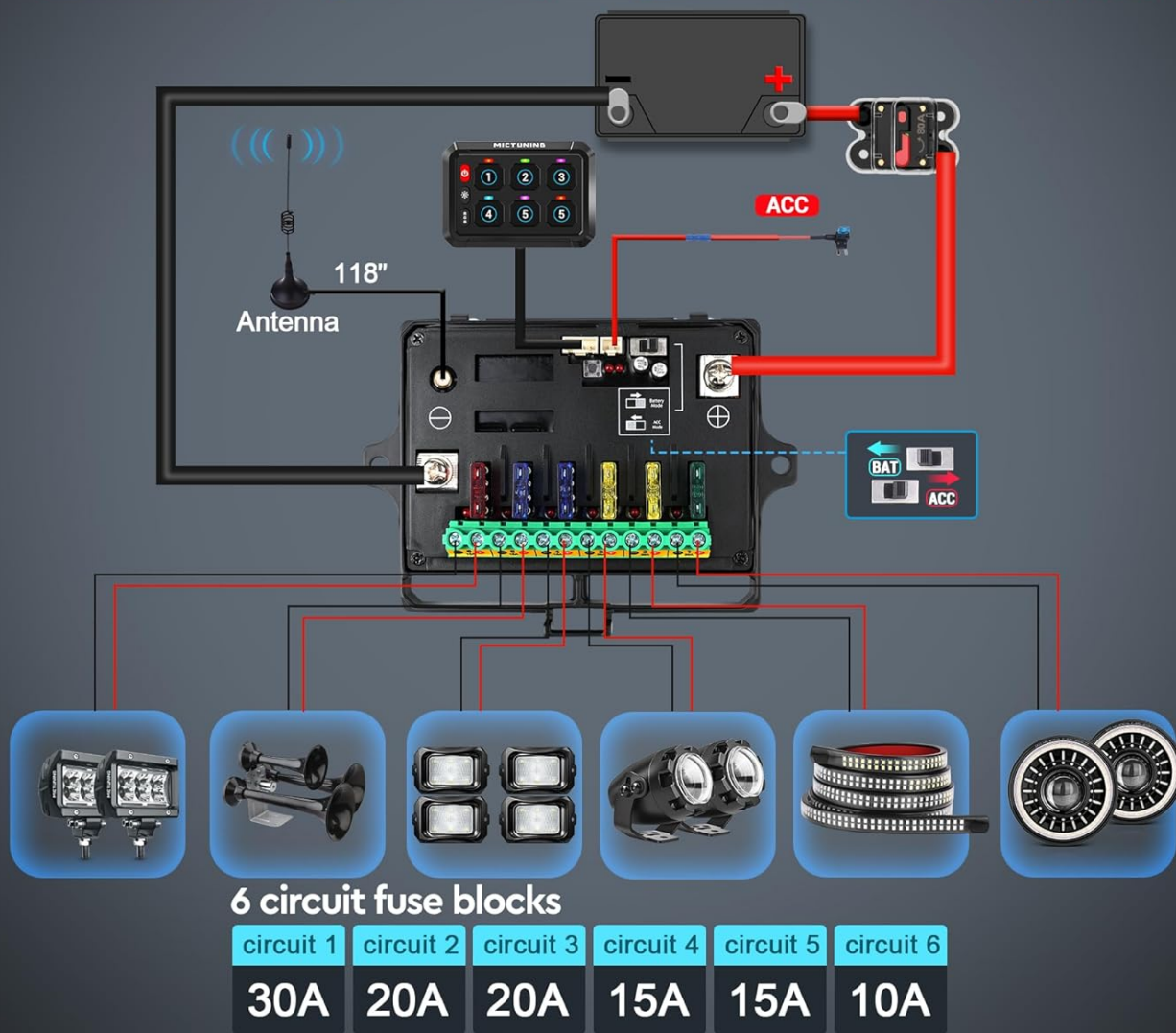


Image: Detailed wiring diagram for the switch panel, illustrating connections for power input and six individual circuits with their respective fuse ratings.

- **Input Voltage:** 12-24V
- **Maximum Power:** 720W@12V or 1440W@24V
- **Maximum Current:** 60A
- **Circuit Fuse Blocks:**
 - Circuit 1: 30A
 - Circuit 2: 20A
 - Circuit 3: 20A
 - Circuit 4: 15A
 - Circuit 5: 15A
 - Circuit 6: 10A

Mounting Options

The switch panel can be mounted using the included adhesive pad or mounting brackets for fixed or angled positioning.



Image: Before and after comparison of an engine bay, demonstrating how the switch panel helps organize wiring for a cleaner installation.

OPERATING INSTRUCTIONS

Remote Control Pairing

To pair the remote control with the power hub:

1. Hold the power hub's pairing button until the indicator light flashes.
2. Long press the remote's ON/OFF button.
3. The indicator light on the power hub will turn solid red, indicating successful pairing.

Note: To clear existing pairings, hold the power hub's pairing button until you see a slow-fast flashing indicator.



Image: Step-by-step guide for pairing the remote control with the main switch panel unit.

Control Modes

The switch panel offers four distinct control modes, each with a unique LED color for easy identification:

- **Toggle (Red):** Standard on/off functionality. Press once to turn on, press again to turn off.
- **Momentary (Blue):** Activates only while the button is pressed. Releases when the button is released.
- **Flash (Purple):** Activates a flashing output.
- **Strobe (Green):** Activates a strobing output.



Image: Visual representation of the four available control modes and their corresponding LED colors.

Colors and Brightness Adjustment

The panel's backlight and button colors can be customized for optimal visibility and aesthetic preference.

- **Brightness Levels:** Adjust the backlight brightness across 6 levels (0%, 20%, 40%, 60%, 80%, 100%) to suit ambient light conditions and reduce eye strain.
- **RGB Colors:** Choose from 8 distinct RGB backlight colors.
- **Effects:** Apply various lighting effects including gradient, jumping, and breathing.
- **Memory Function:** The system automatically saves your last selected mode and color settings, restoring them upon restart.
- **Backlight Off:** Option to turn off the backlight completely to avoid glare, especially during night driving.



Image: Illustration of brightness adjustment levels and RGB color spectrum for panel customization.

MAINTENANCE

To ensure the longevity and optimal performance of your MICTUNING RGB 6 Gang Switch Panel, follow these general maintenance guidelines:

- **Regular Cleaning:** Wipe the switch panel and remote control with a soft, damp cloth to remove dust and grime. Avoid abrasive cleaners or solvents.
- **Inspect Wiring:** Periodically check all wiring connections for looseness or corrosion. Ensure all insulation is intact.
- **Fuse Check:** If a circuit stops functioning, check the corresponding fuse in the power hub. Replace blown fuses with spare fuses of the correct amperage (as listed in the specifications).
- **Environmental Protection:** While the unit has an IP65 waterproof rating, prolonged exposure to extreme conditions (e.g., direct high-pressure water jets) should be avoided.

TROUBLESHOOTING

If you encounter issues with your MICTUNING RGB 6 Gang Switch Panel, consider the following common troubleshooting steps:

- **Panel Not Powering On:**

- Check the main power connection to the battery and ACC.
- Verify the circuit breaker is not tripped.
- Ensure the battery has sufficient voltage (12-24V).

- **Individual Circuit Not Working:**

- Check the fuse for that specific circuit in the power hub. Replace if blown.
- Inspect the wiring connection for the accessory connected to that circuit.
- Ensure the accessory itself is functioning correctly.

- **Remote Control Not Responding:**

- Ensure the remote control's battery is not depleted.
- Re-attempt the pairing process as described in the "Remote Control Pairing" section.
- Ensure there are no significant obstructions between the remote and the power hub.

- **Backlight/Colors Not Changing:**

- Verify the remote control is properly paired and functioning.
- Ensure you are using the correct buttons/sequence for color and brightness adjustment.

WARRANTY AND CUSTOMER SUPPORT

MICTUNING stands behind its products with a commitment to customer satisfaction. For any inquiries, technical assistance, or warranty claims, please refer to the following:

- **Customer Support:** Friendly response within 4 hours, lifetime customer support.

- **Contacting Seller (Amazon):**

1. Log into your Amazon account.
2. Select "Your Orders".
3. Find the order ID for your MICTUNING product.
4. Click "Problem with the Order".
5. Choose "Other Issue".
6. Click "Contact Seller".

For more information, you may visit the official MICTUNING store on Amazon:[MICTUNING Store](#)

