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> Auxbeam RC-800 RGB 8 Gang Switch Panel User Manual

## Auxbeam RC-800

# Auxbeam RC-800 RGB 8 Gang Switch Panel User Manual

Model: RC-800

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your Auxbeam RC-800 RGB 8 Gang Switch Panel. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1: Auxbeam RC-800 RGB 8 Gang Switch Panel, wireless remote, and 7FT battery cables.

## 2. PRODUCT FEATURES

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- **8 Gang Control:** Manages up to 8 automotive DC12-24V devices.
- **Wireless Remote Control:** Operates devices from up to 165 feet away with a magnetic remote.
- **RGB Backlighting:** Customizable backlit colors for the switch panel.
- **3 Lighting Modes:**
  - **Toggle (Red):** Constant light mode.
  - **Momentary (Blue):** Press and hold to activate, release to deactivate.
  - **Pulsed (Green):** Flash light mode (strobe effect).
- **Automatic Dimmable Backlight:** Built-in light sensor adjusts brightness automatically.
- **Manual Backlight Off:** Option to turn off backlighting for comfort in low-light conditions.

- **Flexible and Insulated Battery Cables:** 7FT 7AWG PVC insulated cables for safe and reliable power delivery.

**AUXBEAM**

# RGB BACKLIGHTS

TO MATCH THE AMBIANCE LIGHTS INSIDE THE CAR

## 3 DIFFERENT LIGHTING MODES

BETTER COORDINATION IN USING YOUR DEVICES

**TOGGLE**  
Constant Light

**MOMENTARY**  
Ignition Power

**PULSED**  
Strobe Mode

Figure 2: Illustration of RGB backlighting and the three distinct lighting modes.

### 3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- Auxbeam RC-800 RGB 8 Gang Switch Panel
- Wireless Remote Control (with battery installed)
- 7FT 7AWG Battery Cables (Red and Black)
- Mounting Hardware
- Instruction Manual (this document)

# 7FT ELECTRIC WIRES

0.23in



0.27in

0.31in



0.27in



Figure 3: Included 7FT 7AWG battery cables.

## 4. SETUP AND INSTALLATION

Professional installation is recommended. Disconnect the vehicle's battery before beginning installation to prevent

electrical shorts.

## 4.1 Wiring Diagram

Refer to the following diagram for proper wiring connections. Ensure all connections are secure and insulated.



Figure 4: Detailed wiring diagram for connecting the switch panel to various accessories.

**Key Connections:**

- Connect the main power cable (red) from the switch panel to the positive (+) terminal of the vehicle battery, preferably through a fuse.
- Connect the ground cable (black) from the switch panel to the negative (-) terminal of the vehicle battery or a suitable chassis ground point.
- Connect the ACC (Accessory) wire to a switched 12V source that turns on with the ignition.
- Connect your auxiliary devices (e.g., light bars, fans, horns) to the corresponding output terminals (1-8) on the switch panel.

## **4.2 Remote Control Syncing**

The wireless remote control needs to be synced with the switch panel for operation.



# WIRELESS REMOTE CONTROL SYNC WITH SWITCH PANEL



1



2



SYNC

165 FT



Figure 5: Remote control syncing process and effective range.

1. Ensure the switch panel is powered on.
2. Press and hold the "MODE" button on the switch panel for approximately 3 seconds until an indicator light flashes.
3. Within 5 seconds, press any button on the wireless remote control.
4. The indicator light on the switch panel will stop flashing, confirming successful pairing.

The remote control has a strong magnetic back for convenient placement on metal surfaces and operates up to 165 feet

away.



Figure 6: The remote control's signal stability and range.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Operation

Each numbered button (1-8) on the switch panel and remote control corresponds to an output channel. Press a button to

activate or deactivate the connected device.

## 5.2 Lighting Modes

The RC-800 offers three distinct lighting modes for each switch, indicated by the backlight color:

- **Red (Toggle Mode):** Press once to turn on, press again to turn off. The device remains active until manually switched off.
- **Blue (Momentary Mode):** The device is active only while the button is pressed and held. Releasing the button turns the device off.
- **Green (Pulsed Mode):** Activates a flashing or strobe effect for the connected device.

To change the lighting mode for a specific switch, press and hold the desired switch button on the panel for approximately 3 seconds until the color changes to the next mode. Repeat to cycle through modes.

## 5.3 RGB Backlight Customization

The switch panel features customizable RGB backlighting. Use the "MODE" button on the panel to cycle through different RGB color options to match your vehicle's interior or personal preference.



# RGB BACKLIGHTS

TO MATCH THE AMBIANCE LIGHTS INSIDE THE CAR



## 3 DIFFERENT LIGHTING MODES

BETTER COORDINATION IN USING YOUR DEVICES



Figure 7: RGB backlight customization and lighting modes.

### 5.4 Automatic Dimmable & Manual Backlight Control

The switch panel is equipped with a light sensor for automatic backlight adjustment and a manual control option.

# AUTOMATIC LIGHT SENSING & MANUAL BACKLIGHT OFF



Figure 8: Automatic brightness sensing and manual backlight control.

- **Automatic Adjustment:** The built-in light sensor will automatically adjust the backlight brightness based on ambient light conditions.
- **Manual Backlight Off:** Press the "MODE" button on the switch panel briefly to toggle the backlight on or off. This is useful in low-light environments where the backlight might be too bright.

- **Cleaning:** Use a soft, dry cloth to clean the switch panel and remote control. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Remote Battery:** The remote control uses a standard button cell battery. If the remote's range or responsiveness decreases, replace the battery.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch panel does not power on.	No power connection; Blown fuse; Loose wiring.	Check battery connections; Inspect fuse in the main power line; Verify all wiring is secure.
Remote control not working.	Remote battery low/dead; Remote not paired; Out of range.	Replace remote battery; Re-sync the remote control (refer to Section 4.2); Ensure remote is within 165 ft range.
Connected device not activating.	Incorrect wiring to device; Device malfunction; Overload on channel.	Check device wiring to the switch panel output; Test the device independently; Ensure device current draw does not exceed channel rating.
Backlight is too bright/dim or not adjusting.	Automatic sensor blocked; Manual backlight off activated.	Ensure the light sensor on the panel is not obstructed; Press the "MODE" button to toggle manual backlight on/off.

## 8. SPECIFICATIONS

<b>Model</b>	RC-800
<b>Operating Voltage</b>	DC 12-24 Volts
<b>Number of Gangs</b>	8
<b>Control Method</b>	Remote, Manual
<b>Connector Type</b>	Wireless
<b>Remote Range</b>	Up to 165 FT (50 meters)
<b>Battery Cables</b>	7FT, 7AWG, PVC Insulated
<b>Backlight Features</b>	RGB Customizable, Automatic Dimmable, Manual ON/OFF
<b>Lighting Modes</b>	Toggle (Red), Momentary (Blue), Pulsed (Green)

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official Auxbeam store or contact their customer service directly.

Official Auxbeam Store: [Auxbeam Store on Amazon](#)

