

AUXBEAM AS-R80

Auxbeam AS-R80 8 Gang Slim Switch Panel RGB User Manual

Model: AS-R80 | Brand: AUXBEAM

1. PRODUCT OVERVIEW

The Auxbeam AS-R80 8 Gang Slim Switch Panel RGB is a versatile control system designed for 12-24V vehicle applications, including trucks, off-road vehicles, cars, and boats. It features a slim, single-row design for convenient operation and space-saving installation. This switch panel offers RGB backlighting with unlimited color options, three distinct lighting modes (Toggle, Momentary, Pulsed), and smart backlight adjustment for optimal visibility in varying light conditions. Its robust IP65 waterproof rating ensures durability in challenging environments.



RGB BACKLIGHTS

TO MATCH THE AMBIANCE LIGHTS INSIDE THE CAR



3 DIFFERENT LIGHTING MODES

BETTER COORDINATION IN USING YOUR DEVICES



Image: The Auxbeam AS-R80 switch panel showcasing its RGB backlights and the three available lighting modes: Toggle (constant light), Momentary (ignition power), and Pulsed (strobe effect).

Key Features:

- **8 Gang Slim Design:** Single-row layout for intuitive control and reduced accidental presses.
- **RGB Backlight:** Customizable backlight colors to match vehicle interior lighting.
- **3 Lighting Modes:** Toggle (constant), Momentary (press-and-hold), and Pulsed (strobe).
- **Smart Backlight Adjustment:** Automatic dimming based on ambient light and manual ON/OFF control.
- **Memory Function:** Retains previous settings for quick device access.
- **IP65 Waterproof Rating:** Ensures protection against dust and water ingress.
- **Integrated Circuit Box:** Features a built-in solid-state relay and 80A resettable circuit breaker.

2. WHAT'S INCLUDED

The Auxbeam AS-R80 package includes all necessary components for installation and operation:



Image: A detailed view of all components included in the Auxbeam AS-R80 package, laid out for inspection.

- 1 x AS-R80 Switch Panel
- 1 x Circuit Control Box
- 1 x 80A Circuit Breaker
- 60 pcs Switch Labels
- Mounting Brackets
- 10ft Wiring Harness

- Power Harness, Fuse Wire & Adapter, Installation Kit
- Panel Waterproof Cover
- AS-R80 Package Box
- Upgraded Insulation Sleeving

3. SETUP AND INSTALLATION

The AS-R80 switch panel offers flexible installation methods to suit various vehicle interiors. Always ensure the vehicle's power is disconnected before beginning installation.



Image: Visual representation of two installation methods for the switch panel: using a mounting bracket or adhesive for vertical placement.

3.1 Switch Panel Installation

There are two primary ways to install the switch panel:

1. **Method 1 (Bracket Mount):** Secure the switch panel to a desired surface using the provided mounting brackets and screws. This method offers a robust and adjustable mounting solution.
2. **Method 2 (Adhesive Mount):** For a less intrusive installation, use the provided adhesive strip to attach the switch panel directly to a clean, flat surface. Ensure the surface is free of dust and grease for optimal adhesion.

Your browser does not support the video tag.

Video: An overview of the Auxbeam AS-R80 switch panel, demonstrating unboxing, components, installation methods, and key features. This video provides visual guidance for setup.

3.2 Circuit Control Box Installation

The circuit control box houses the relays and fuses. It should be mounted in a secure, dry location, typically under the hood or in a protected area of the vehicle. Connect the main power wires (Battery + and Battery -) to the vehicle's battery. Connect the outgoing wires from the control box to your lights or other equipment. Refer to the detailed wiring diagram provided in the package for specific connections.



PRODUCT FEATURES

- 1 LED Lights Up To Show The Circuit Is On
- 2 Automatic Light Sensor
- 3 On/Off Button Indicator
- 4 On/Off Button, Memory
- 5 MODE Button Indicator
- 6 Turn Off The Backlight

1.5in

8.8in

- + Battery +
- Battery -

5 in

Outgoing to lights or equipment

7 in

System Failure Indicator

DC 12-24V Input Voltage	960W / 1920W /12V /24V Maximum Power	80A Maximum Current	-40°C ~ -40°F 105°C ~ 221°F Operating Temperature
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Image: A diagram illustrating the product features and the wiring connections for the AS-R80 switch panel and circuit control box.



CONTROL 8 DIFFERENT EQUIPMENTS

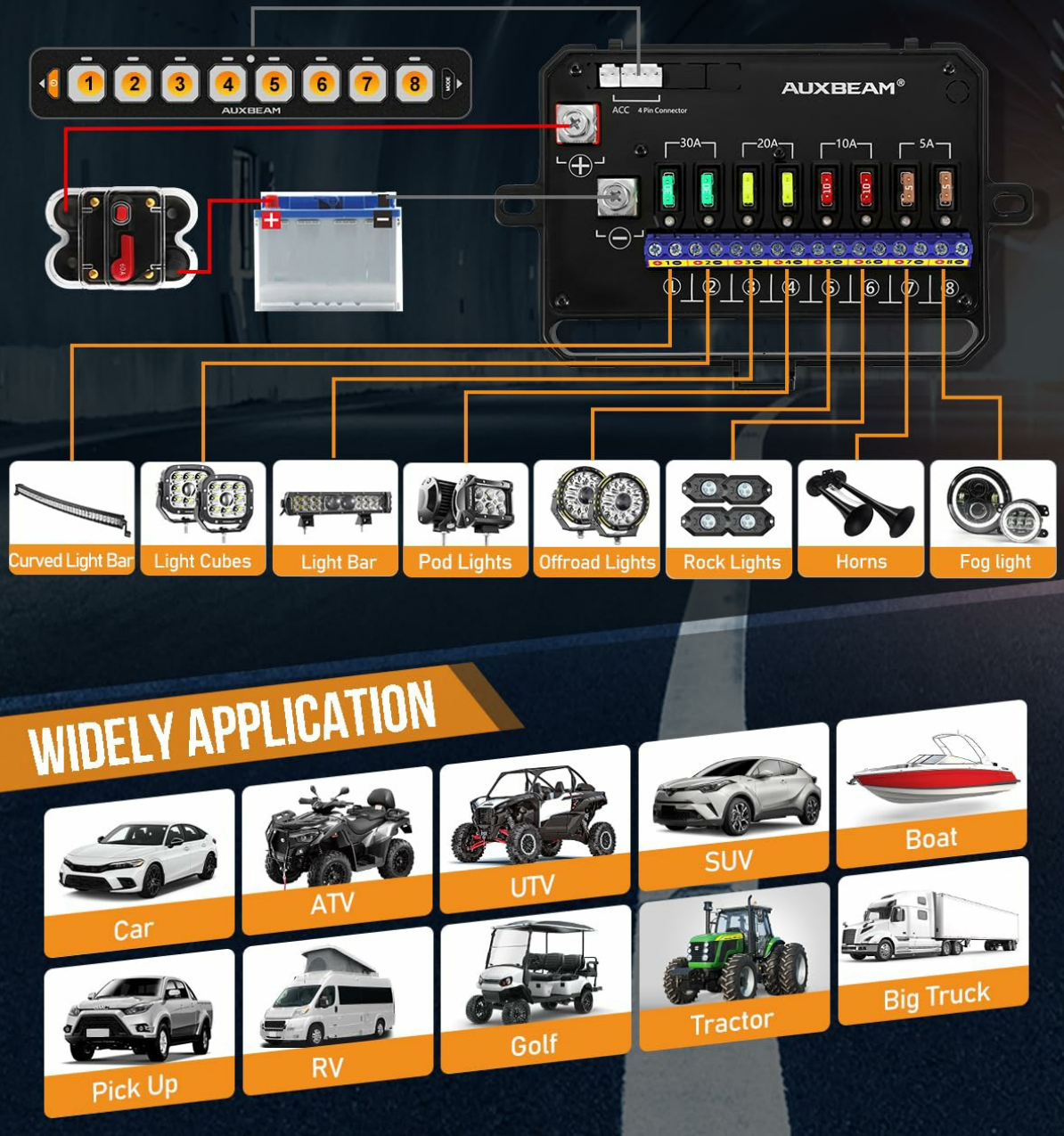


Image: A comprehensive wiring diagram showing how to connect up to 8 different accessories to the AS-R80 circuit control box.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press the main power button (usually on the far left) to turn the switch panel ON or OFF. The LED indicators will illuminate when the panel is active.

4.2 Selecting Lighting Modes

Each of the 8 switches can operate in one of three modes: Toggle, Momentary, or Pulsed. To cycle through these modes for a specific switch, press the switch multiple times:

- **Toggle Mode (Red Light):** Press once for constant ON/OFF functionality.
- **Momentary Mode (Blue Light):** Press twice for temporary activation (e.g., horn). The device will be active only while the button is pressed.
- **Pulsed Mode (Green Light):** Press three times for a flashing or strobe effect.

The panel's memory function will retain your selected mode for each switch even after the power is turned off.

4.3 Adjusting Backlight Brightness

The AS-R80 features both automatic and manual backlight brightness control:



Image: Illustration of the automatic light sensor for dimming and the manual ON/OFF control for the backlight.

- **Automatic Brightness Sensing:** The panel automatically adjusts the backlight intensity based on

ambient light conditions to prevent visual distraction.

- **Manual Backlight ON/OFF:** Press the 'MODE' button to manually turn the backlight ON or OFF. This is useful in situations where the automatic dimming might not be ideal, such as very dark environments.

4.4 Adjusting RGB Backlight Color

To customize the RGB backlight color:

1. Press the 'MODE' button and any switch button simultaneously.
2. Long press switch 1 or switch 4 to cycle through the available RGB color options.
3. Once your desired color is displayed, press the 'MODE' button again to save the setting.

5. SPECIFICATIONS

Specification	Value
Input Voltage	DC 12-24V
Max Current	80A
Max Power (12V)	960W
Max Power (24V)	1920W
Operating Temperature	-40°C to 105°C (-40°F to 221°F)
Waterproof Rating	IP65
Circuit Type	8-way
Material	Aluminum
Product Dimensions	22.35 x 1.27 x 3.81 cm
Item Weight	2.46 kg

6. MAINTENANCE

To ensure the longevity and optimal performance of your Auxbeam AS-R80 switch panel, follow these maintenance guidelines:

- **Regular Cleaning:** Wipe the switch panel and control box with a soft, damp cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Inspect Wiring:** Periodically check all wiring connections for tightness and signs of wear or corrosion. Secure any loose connections.
- **Waterproof Cover:** Ensure the panel's waterproof cover is properly installed, especially in environments exposed to rain or snow.
- **Fuse Inspection:** If an accessory stops working, check the corresponding fuse in the circuit control box. Replace blown fuses with ones of the correct amperage.

7. TROUBLESHOOTING

If you encounter issues with your Auxbeam AS-R80 switch panel, refer to the following common

troubleshooting steps:

- **Panel Not Powering On:**

- Check the main power connection to the vehicle's battery.
- Verify the 80A circuit breaker is not tripped.
- Ensure all wiring harnesses are securely connected.

- **Individual Switch Not Working:**

- Check the fuse for the specific channel in the circuit control box.
- Ensure the accessory connected to the switch is functioning correctly.
- Verify the connection between the control box and the accessory.

- **Backlight Issues:**

- If the backlight is too dim or off, press the 'MODE' button to cycle its state.
- Ensure the automatic light sensor (if enabled) is not obstructed.

- **RGB Color Adjustment Not Working:**

- Ensure you are pressing the 'MODE' button and a switch simultaneously to enter color adjustment mode.
- Confirm you are long-pressing switch 1 or 4 to cycle colors, and pressing 'MODE' to save.

If these steps do not resolve the issue, please contact Auxbeam customer support for further assistance.

8. WARRANTY AND SUPPORT

The Auxbeam AS-R80 8 Gang Slim Switch Panel RGB comes with a **2-year warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use.

For warranty claims, technical support, or any product-related inquiries, please visit the official Auxbeam store or contact their customer service department. You can find more information and support resources by visiting the [AUXBEAM Store](#).