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› [Auxbeam](#) /

› [Auxbeam 4 Gang Slim Switch Panel RGB AS-R40 User Manual](#)

Auxbeam AS Slim Series AS-R40

Auxbeam 4 Gang Slim Switch Panel RGB AS-R40 User Manual

Model: AS Slim Series AS-R40

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Auxbeam 4 Gang Slim Switch Panel RGB AS-R40. This patented design switch panel offers a streamlined control solution for various auxiliary electrical devices in vehicles such as trucks, off-road vehicles, and boats. It features RGB backlighting, multiple lighting modes, and smart backlight adjustment for enhanced user experience.

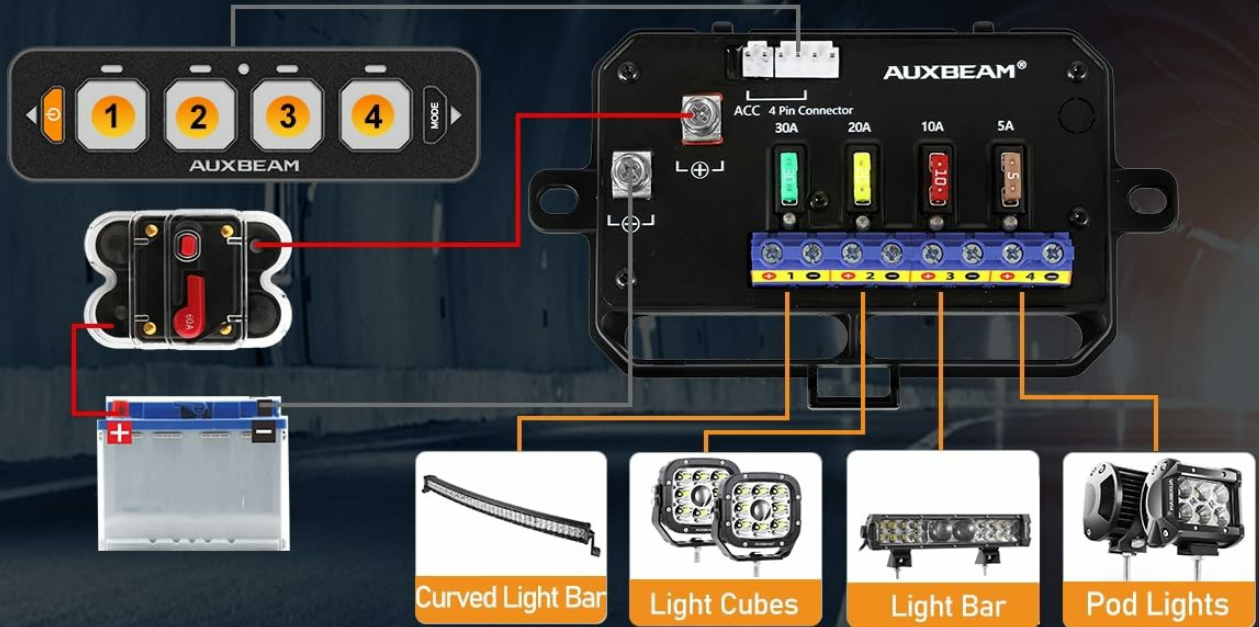
2. PACKAGE CONTENTS

Before installation, please verify that all components are present:

- 1 x AS-R40 Switch Panel
- 1 x Circuit Control Box (with built-in solid-state relay)
- 1 x 60A Resettable Circuit Breaker
- Fuses (including 6 extra)
- 60 pcs Stickers (55 default, 5 DIY)
- Mounting Brackets
- 10ft Wiring Harness
- Power Harness, Fuse Wire & Adapter, Installation Kit
- 1 x Dust Cover



CONTROL 4 DIFFERENT EQUIPMENTS



WIDELY APPLICATION



Figure 2.1: A comprehensive layout of all components included in the Auxbeam AS-R40 kit, such as the switch panel, circuit box, circuit breaker, wiring harness, stickers, and mounting brackets.

3. SETUP AND INSTALLATION

3.1 Mounting the Switch Panel

The AS-R40 Slim Switch Panel features a single-row layout designed for space-saving installation. It can be mounted vertically or horizontally in various locations within your vehicle. Consider accessibility and visibility when

choosing a mounting spot.



Figure 3.1: Illustrates two common installation methods for the Auxbeam switch panel: mounted on the dashboard and vertically on a pillar, demonstrating its versatility.

3.2 Wiring Connection

The system is designed to simplify wiring by consolidating connections through a central circuit control box. Connect the positive and negative wires of your electrical equipment to the designated wiring ports on the circuit control box. The included 10ft wiring harness provides flexibility for installation in various locations.



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

1.5 in

5 in

+ Battery +

- Battery -

3.4 in

Outgoing to lights
or equipment

5 in

System Failure Indicator

DC 12-24V

Input Voltage

720W /12V /1400W /24V

Maximum Power

60A

Maximum Current

-40°C ~ 105°C / -40°F ~ 221°F

Operating Temperature

Figure 3.2: A schematic showing how the Auxbeam 4-gang switch panel connects to a vehicle's battery and controls four different auxiliary electrical devices like light bars and cubes.

3.3 Connecting the ACC Fuse

To ensure the switch panel operates correctly with your vehicle's ignition:

1. Connect the red ACC Fuse wire to the provided fuse adapter.
2. Open the ACC gear in your vehicle and verify that the ACC fuse in the car is powered.
3. Remove the original car's ACC Fuse, insert the fuse adapter, and then reinsert the entire fuse adapter into the original ACC Fuse position.

This connection ensures the switch system stops working when the vehicle is powered off, preventing battery drain.

3.4 Applying Stickers

The kit includes 60 stickers to label your switches according to the connected accessories. Gently pry open the existing sticker with a sharp tool if you need to change it.

4. OPERATING INSTRUCTIONS

4.1 Lighting Modes

The Auxbeam AS-R40 offers three distinct lighting modes for versatile control:

- **TOGGLE Mode:** Indicated by a red light. Provides steady and constant lighting for accessories like light bars.
- **MOMENTARY Mode:** Indicated by a blue light. Activates only when the switch is pressed, suitable for devices like horns.
- **PULSED Mode:** Indicated by a green light. Allows control over the flashing frequency of lights or devices, creating a strobe effect.



RGB BACKLIGHTS

TO MATCH THE AMBIANCE LIGHTS INSIDE THE CAR

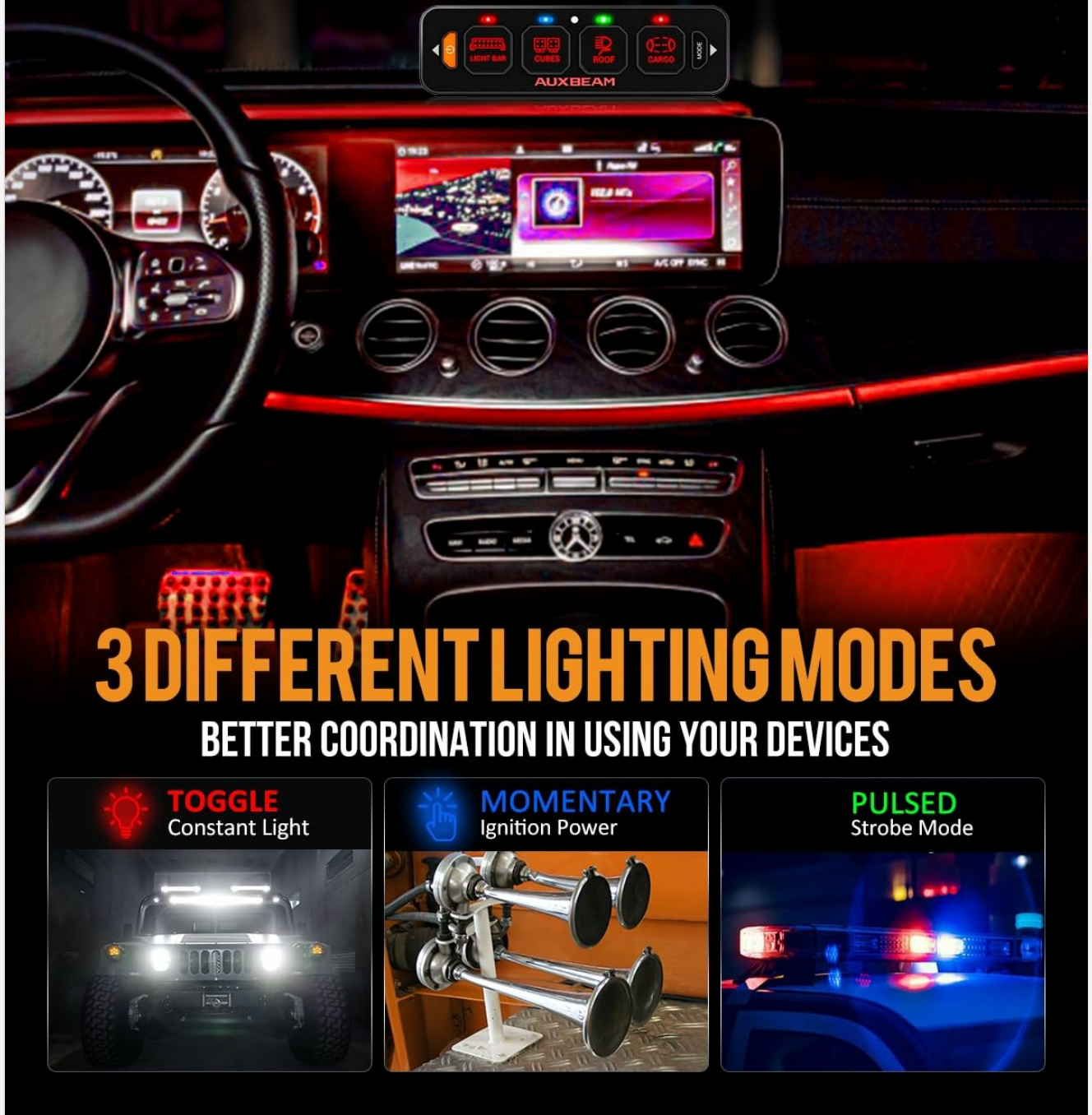


Figure 4.1: An image demonstrating the RGB backlighting of the Auxbeam switch panel, integrated into a car's dashboard to match the interior ambient lighting, along with illustrations of the three lighting modes.

4.2 RGB Backlight Customization

The AS-R40 allows for unlimited RGB backlight color options to match your vehicle's interior LED lights or decorations. You can customize the colors to suit your preferences.

4.3 Smart Backlight Adjustment

The switch panel features an automatic light sensor that adjusts backlight brightness based on the surrounding environment, reducing visual distraction. A MODE button is included for easy backlight toggling. If the backlight is

too intense in dark conditions, it can be manually turned off to reduce eye strain.



Figure 4.2: Depicts how the switch panel's backlight brightness can be adjusted, either automatically based on ambient light or manually turned off.

4.4 ON/OFF Button and Memory Function

The central ON/OFF button primarily functions as a memory control. It allows you to fully close and fully open all devices currently in use with a single press. This memory function remains active even after the car is parked and turned off, restoring your previous settings when the car is started again.

5. MAINTENANCE

The Auxbeam AS-R40 switch panel is designed for durability and ease of maintenance.

- **Waterproof Rating:** The unit has an IP65 waterproof rating, ensuring protection against dust and low-pressure water jets.
- **Dust Cover:** A dust cover is included to help keep the panel clean and free from dust and debris, especially in harsh environments.
- **Cleaning:** Use a soft, damp cloth to clean the surface of the switch panel. Avoid abrasive cleaners or solvents.

6. TROUBLESHOOTING

- **Switch Panel Not Working When Vehicle is Off:** This is by design. The ACC fuse connection ensures the system stops working when the car is off to prevent battery drain.
- **Desire for Constant Power (Panel On When Vehicle Off):** To achieve this, connect the red ACC wire directly to the battery. However, this is not recommended as it will consume battery power and may lead to a drained battery.
- **Devices Not Turning On After Power Restoration:** After the vehicle's power is restored (e.g., after starting the car), you still need to press the ON/OFF button on the switch panel to activate the accessories. This design ensures the battery provides sufficient power to start the car before powering accessories.
- **System Failure Indicator:** The circuit control box includes a system failure indicator. If this indicator illuminates, inspect your wiring and connections for any issues.
- **Controlling Multiple Lights with One Button:** To control two or more lights simultaneously with a single button, connect the positive wires of all desired lights into the same '+' hole of the circuit control box, and similarly for the negative poles.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	5 x 1.5 x 0.5 inches
Item Weight	4.41 Pounds
Model Number	AS Slim Series AS-R40
Operation Mode	Multifunction
Current Rating	60 Amps
Operating Voltage	12-24 Volts (DC)
Contact Type	Normally Closed
Connector Type	Plug In
Terminal	Screw
Circuit Type	4-way

Feature	Specification
Actuator Type	Button
Max Power	720W (12V) / 1400W (24V)
Operating Temperature	-40°C to 105°C (-40°F to 221°F)
Waterproof Rating	IP65

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Auxbeam 4 Gang Slim Switch Panel RGB AS-R40 comes with a **2-year protection provided by Auxbeam**. Please retain your proof of purchase for warranty claims.

8.2 Product Support

For additional support, including inquiries about extension cables or replacement stickers, please refer to the following:

- **Extension Wires:** If the included wires are not sufficient for your installation, please contact Auxbeam support or refer to product listings for compatible extension cables.
- **Additional Stickers:** For more stickers, please contact Auxbeam support or check product listings for sticker packs.

For further assistance, please visit the official Auxbeam website or contact their customer service department.