AUXBEAM AS Slim Series AS-R60

Auxbeam AS-R60 6 Gang Slim Switch Panel User Manual

Model: AS Slim Series AS-R60

1. Product Overview

The Auxbeam AS-R60 RGB Slim Switch Panel is designed to provide centralized control for various auxiliary lighting and electrical accessories in vehicles. This panel features a sleek, compact design with RGB backlighting and supports three distinct lighting modes: Toggle, Momentary, and Pulsed. It is engineered for ease of use and integration into automotive environments, offering enhanced control and customization for off-road vehicles, trucks, cars, and boats.
Key features include automatic dimmable backlighting, a memory function for settings, and a robust, waterproof construction suitable for demanding conditions.



Image: The Auxbeam AS-R60 6 Gang Slim Switch Panel displayed alongside its retail packaging, highlighting its RGB capabilities and compact design.

2. Safety Information

- Always disconnect the vehicle's battery before performing any electrical installation or maintenance to prevent electrical shock or short circuits.
- Ensure all wiring connections are secure and properly insulated to prevent fire hazards or system malfunctions.
- Verify that the total current draw of connected accessories does not exceed the maximum current rating of the switch panel (60A) or individual switch ratings (12V 20A / 24V 10A).
- Install the switch panel in a location that does not obstruct the driver's view or interfere with vehicle controls.
- Refer to your vehicle's service manual for specific wiring diagrams and safety precautions.
- This product is designed for 12-24V DC systems only. Do not connect to AC power or systems outside this voltage range.

3. Package Contents

Before installation, please verify that all components listed below are present in your package:



Image: A detailed view of all components included in the Auxbeam AS-R60 package, laid out for inspection.

- 1 x AS-R60 Switch Panel
- 1 x Circuit Control Box

- 1 x 60A Circuit Breaker
- 60 pcs Labels (stickers)
- Mounting Brackets
- AS-R60 Installation Guide
- 10ft Wire Harness
- Power Harness, Fuse Wire & Adapter, Installation Kit
- Panel Waterproof Cover
- AS-R60 Package Box

4. Specifications

Feature	Specification
Model Number	AS Slim Series AS-R60
Input Voltage	DC 12-24V
Max Current	60A
Rated Voltage (Individual Switch)	12V 20A / 24V 10A
Max Power	720W (12V) / 1400W (24V)
Waterproof Rating	IP65
Operating Temperature	-40℃ to 105℃ (-40℉ to 221℉)
Product Dimensions (L x W x H)	25.4 x 15.2 x 2.5 cm (approx.)
Material	Aluminum



Image: An illustration detailing the key product features of the AS-R60 switch panel, including its dimensions and the associated circuit box.

5. Setup and Installation

The AS-R60 switch panel offers flexible installation options to suit various vehicle interiors.

5.1 Mounting the Switch Panel

Two primary installation methods are available:

- **Dashboard Mounting:** Use the provided mounting brackets and adhesive to secure the panel horizontally on a flat surface of your dashboard.
- **Vertical Mounting:** The slim design allows for vertical mounting, such as on a pillar or console side, saving space and offering versatile placement. Ensure stickers are applied vertically for correct orientation.



Image: Visual representation of two common installation methods for the AS-R60 switch panel within a vehicle's interior.

5.2 Wiring Instructions

The switch panel connects to a central circuit control box, which then connects to your vehicle's battery and individual accessories. Follow the diagram carefully:

1. Connect the main power harness from the circuit control box to your vehicle's positive (+) and negative (-) battery terminals. Ensure the 60A circuit breaker is installed on the positive line.
2. Connect the 10ft wiring harness from the switch panel to the circuit control box.
3. Identify the output terminals on the circuit control box (labeled 1-6). Connect your desired accessories (e.g., light bar, cubes, fog lights) to these terminals. Each terminal corresponds to a switch on the panel.
4. Apply the appropriate labels (stickers) to the switch panel buttons to clearly identify the connected equipment.
5. Ensure all connections are tight and protected from moisture and abrasion.



Image: A detailed wiring diagram illustrating how to connect the AS-R60 switch panel and circuit box to various automotive accessories, along with examples of common applications.

6. Operating Instructions

The AS-R60 switch panel provides intuitive control over your connected accessories with customizable lighting and operational modes.

6.1 Basic Operation

- Press any of the 6 individual buttons to activate or deactivate the corresponding connected accessory.
- An LED indicator above each button will illuminate when the circuit is active.

6.2 Lighting Modes

The AS-R60 supports three distinct lighting modes for each switch, allowing for versatile control of your devices:

- **Toggle Mode (Red Light):** Provides constant power to the connected device. Press once to turn on, press again to turn off. Ideal for steady lighting like light bars.
- **Momentary Mode (Blue Light):** Supplies power only while the button is pressed. Releases power when the button is released. Suitable for applications like horns or momentary signals.
- **Pulsed Mode (Green Light):** Allows control over the flashing frequency of connected lights, creating a strobe effect.

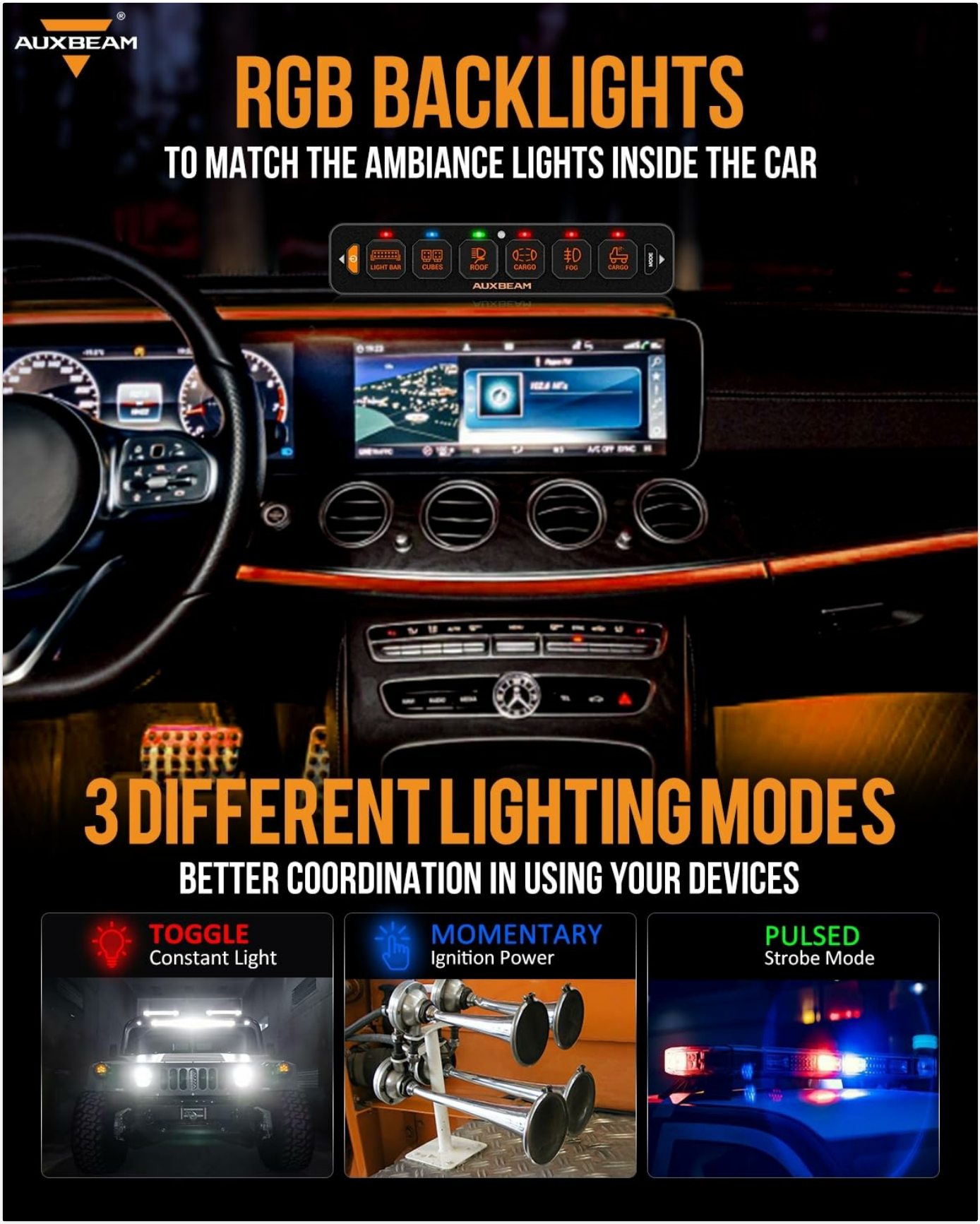


Image: An illustration demonstrating the RGB backlight capabilities and the three distinct lighting modes (Toggle, Momentary, Pulsed) of the AS-R60 switch panel.

6.3 RGB Backlight Customization

The panel features RGB backlighting, allowing you to customize the color to match your vehicle's interior or personal preference. Use the dedicated MODE button to cycle through color options or adjust settings.

6.4 Backlight Adjustment

The AS-R60 offers two methods for backlight brightness adjustment:

- **Automatic Brightness Sensing:** The panel automatically adjusts its backlight brightness based on ambient light conditions to reduce visual distraction.
- **Manual Backlight ON/OFF Control:** A dedicated MODE button allows you to manually toggle the backlight on or off. This is useful in dark environments where the backlight might be too bright or during daytime when it's not needed.



Image: A visual guide illustrating both the automatic brightness sensing and manual ON/OFF control features for the AS-R60 switch panel's backlight.

7. Maintenance

- Keep the switch panel clean using a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Regularly inspect all wiring connections for signs of wear, corrosion, or looseness. Tighten any loose connections.
- Ensure the waterproof cover for the panel is properly seated to protect against rain and snow.
- Check the 60A circuit breaker periodically for proper function. If it trips frequently, investigate the connected accessories for excessive current draw or short circuits.

8. Troubleshooting

Problem	Possible Cause	Solution
Panel does not power on.	No power from battery; loose connection; tripped circuit breaker.	Check battery connections. Ensure main power harness is securely connected. Reset 60A circuit breaker.
Individual switch not working.	Loose accessory connection; faulty accessory; incorrect wiring mode.	Verify accessory wiring to the circuit box. Test accessory directly. Ensure switch is in correct mode (Toggle, Momentary, Pulsed).
Backlight is too bright/dim or off.	Automatic adjustment; manual override.	Press the MODE button to cycle backlight settings or manually turn it on/off.
System Failure Indicator (on circuit box) is lit.	Overload or short circuit on one of the outputs.	Identify the overloaded circuit. Disconnect the accessory and check for shorts. Replace faulty accessory if necessary.

9. Warranty and Support

The Auxbeam AS-R60 Slim Switch Panel comes with a**2-year protection warranty** provided by Auxbeam.
For technical support, warranty claims, or further assistance, please contact Auxbeam customer service through their official channels or the retailer from whom the product was purchased.
Manufacturer: Auxbeam

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Example: How do I reset this device or fix this error?

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