Auxbeam BA80

Auxbeam 8 Gang Switch Panel BA80 User Manual

Universal Circuit Control Relay System for 12V/24V Vehicles

Model: BA80

1. Product Overview

The Auxbeam 8 Gang Switch Panel BA80 provides a streamlined solution for controlling up to eight different 12V/24V auxiliary lights or electrical devices in your vehicle. It simplifies wiring by integrating fuses, relays, and a temperature protection switch into a compact control box, enhancing safety and organization.



Figure 1: Auxbeam 8 Gang Switch Panel BA80 with all included components.

Key Features:

- 8-Gang Control: Manages up to 8 auxiliary devices.
- Automatic Dimmable System: Adjusts backlight brightness based on ambient light.
- Easy Installation: Plug & play wiring harness, no large holes required.
- Wide Application: Suitable for Trucks, Pickups, UTVs, RVs, Cars, and Boats.
- Safety Design: Includes fuse, relay, and temperature protection.

2. Setup and Installation

Before installation, ensure your vehicle's battery is disconnected. Carefully review all components and wiring diagrams.

2.1 Included Components:

- 1 x Switch Control Box
- 1 x Switch Panel
- 2 x Mounting Brackets (for switch panel)
- 1 x Strap
- 1 x Wiring Harness
- 1 x Voltage Protection Switch
- 1 x 60PCS DIY Stickers
- 1 x Upgraded Installation Instruction

2.2 Wiring Diagram and Specifications:

The control box features 8 circuits with varying amperage capacities. Ensure your accessories do not exceed these limits.



Figure 2: Detailed product information and wiring specifications for the BA80.

The total power capacity is 600W at 12V and 1200W at 24V, with a maximum current of 60A.

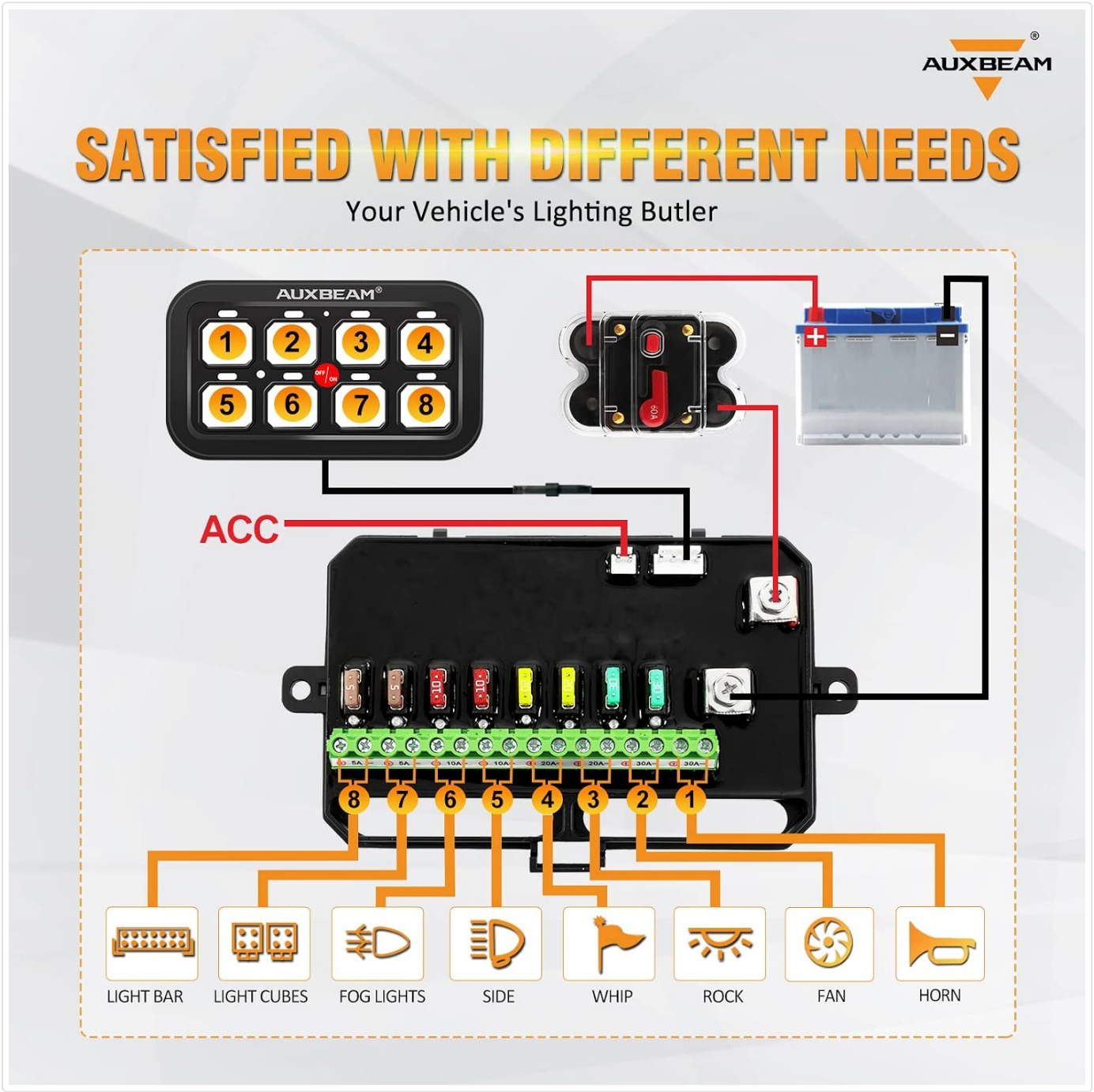


Figure 3: Example wiring connections for various accessories to the control box.

2.3 Mounting Options:

The switch panel can be installed using the provided mounting brackets or double-sided adhesive tape. The control box is typically mounted in the engine bay near the battery.



Figure 4: Two types of mounting brackets are included for flexible installation.

2.4 Installation Video:

Your browser does not support the video tag.

Video 1: An overview of the Auxbeam 8 Gang Switch Panel, demonstrating its features and typical installation. This video is provided by the seller.

3. Operating Instructions

The Auxbeam 8 Gang Switch Panel is designed for intuitive control of your vehicle's accessories.

3.1 Basic Operation:

- Each button on the switch panel controls a specific circuit connected to the control box.

- Press a button to turn the connected accessory ON or OFF.
- The main ON/OFF button (red) controls the entire system.

3.2 Automatic Dimmable Function:

The switch panel features an automatic dimmable function. The backlight brightness of the buttons will adjust based on the ambient light conditions to improve visibility and reduce driver distraction.



Figure 5: The switch panel's backlight adjusts automatically for optimal visibility in various lighting conditions.

3.3 Customizing Buttons:

Use the included 60PCS DIY stickers to label your buttons according to the connected accessories for easy identification.



Figure 6: Apply the provided stickers to customize your switch panel buttons.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Auxbeam switch panel system.

- Keep the control box and switch panel clean and dry. Avoid exposing them to excessive moisture or dust.
- Periodically check all wiring connections to ensure they are secure and free from corrosion.
- Inspect fuses regularly. The control box has a system failure indicator for blown fuses.

5. Troubleshooting

If you encounter issues with your Auxbeam 8 Gang Switch Panel, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
System not powering on.	Loose battery connection, main fuse blown, or ACC wire issue.	Check battery terminals, inspect the main 60A circuit breaker, and verify ACC wire connection.
Individual accessory not working.	Blown circuit fuse, loose connection to accessory, or faulty accessory.	Check the corresponding fuse in the control box (indicated by a red LED if blown). Ensure accessory wiring is secure. Test the accessory directly if possible.
Switch panel backlight not dimming automatically.	Light sensor obstructed or faulty.	Ensure the light sensor on the switch panel is not covered. If the issue persists, contact support.

If troubleshooting steps do not resolve the issue, please contact Auxbeam customer support.

6. Specifications



Figure 7: The complete kit with all components and their layout.

Specification	Value
Operation Mode	ON-OFF-ON
Current Rating	60 Amps (Max)
Operating Voltage	12V / 24V
Max Power (12V)	600W
Max Power (24V)	1200W
Operating Temperature	-40°F ~ 221°F (-40°C ~ 105°C)
International Protection Rating	IP65 (Waterproof)
Switch Panel Dimensions	4.6 x 0.54 x 2.6 inches

Specification	Value
Control Box Dimensions	6.3 x 4.1 inches
Material	Aluminum (Switch Panel)

7. Warranty and Support

The Auxbeam 8 Gang Switch Panel BA80 comes with a**2-year protection** provided by Auxbeam.

For any problems, questions, or technical assistance, please feel free to contact Auxbeam customer service. We are committed to providing perfect after-sales service.

Visit the official Auxbeam store for more information and support resources:Auxbeam Store

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question