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› Auxbeam 6 Gang RGB RA60 and 8 Gang RB80XL Switch Panel Instruction Manual

Auxbeam RA60, RB80XL

Auxbeam 6 Gang RGB RA60 & 8 Gang RB80XL Switch Panel Instruction Manual

Model Numbers: RA60, RB80XL

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Auxbeam 6 Gang RGB RA60 and 8 Gang RB80XL Switch Panels. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.



Image 1.1: Auxbeam 6 Gang RA60 and 8 Gang RB80XL Switch Panels with their respective packaging.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product or vehicle:

- Disconnect the vehicle's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not exceed the maximum current ratings for the switch panel or individual circuits.
- Consult a professional automotive electrician if you are unsure about any installation steps.
- Keep the switch panel and control box away from excessive heat, moisture, and corrosive materials.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Auxbeam 6 Gang RGB RA60 Switch Panel (or 8 Gang RB80XL Switch Panel)
- Control Box
- Mounting Hardware

- Wiring Harnesses
- Spare Fuses
- Instruction Manual (this document)

4. PRODUCT FEATURES

The Auxbeam RA60 and RB80XL switch panels offer advanced features for controlling your vehicle's accessories:

- **RGB Backlight with Auto-Dimming:** Customize backlight colors and enjoy automatic brightness adjustment based on ambient light conditions, reducing eye strain.
- **Memory Function:** The switch panel restores previous light settings upon activation, enhancing convenience.
- **3 Lighting Modes:** Select from TOGGLE (device always on), MOMENTARY (press and hold to activate), and PULSED (strobe) modes for versatile control.
- **Large Buttons (RB80XL):** The RB80XL features 1-inch buttons for comfortable and quick operation.
- **1 Touch Backlight OFF (RB80XL):** Deactivate the backlight with a single press of the 'MODE' button.
- **Upgraded Control Box:** Features a built-in solid-state relay, spare fuses, and clearly labeled outputs with malfunction indicator lights for flexible and reliable installation.



AUTO-DIMMING FUNCTION

Eye strain trouble you no more

AUXBEAM

Brightens in light Dims in dark

MODE

- Adjust brightness automatically
- Backlight can be disabled with the MODE button

OTHER

- No auto-dimming feature
- Backlight cannot be disabled individually
- May cause eye strain easily

Image 4.1: Illustration of Memory Function, 3 Lighting Modes, and RGB Backlight capabilities.

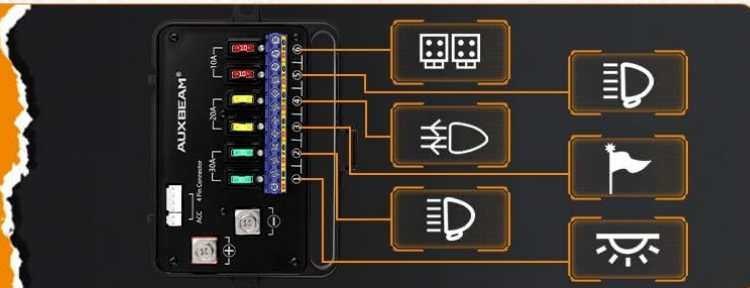


UPGRADED CONTROL BOX

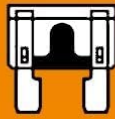
Experience flexible installation



1-Sided Outlet Design



Built-in Solid State Relay



Spare Fuses



Labeled Outputs & Malfunction Indicator Light



Image 4.2: Visual representation of the auto-dimming function, brightening in light and dimming in dark conditions.



BIG PANEL, HUGE IMPACT

Maximize control and comfort on the road



AUXBEAM RB80 XL



Large Buttons, Easy Control

OTHER



Small Buttons, Big Hassle

Image 4.3: The Auxbeam RB80XL 8 gang switch panel highlighting its large, easy-to-control buttons.

5. SETUP AND INSTALLATION

Installation of the Auxbeam switch panel involves mounting the panel and control box, and wiring them to your vehicle's power source and accessories. Professional installation is recommended.

5.1 Control Box Placement

Select a dry, secure location for the control box, typically in the engine bay or under the dashboard, ensuring it is protected from direct water exposure and excessive heat. The upgraded control box features a 1-sided outlet design for flexible installation.



WHY AUXBEAM?

AUXBEAM RA60

✓ RGB Backlight+
Backlight Off
Function



BACKLIGHT

✓ Built-in Solid
State Relay



CONTROL BOX

✓ Sturdy
Aluminum
Alloy



MATERIAL

✓ With Memory
Function



MEMORY

✓ 2 Year



PROTECTION

OTHER



✗ Single Color.
No Backlight
Off Function



✗ External
Relay



✗ Fragile
Plastic



✗ No Memory
Function



✗ Only 1 Year

Image 5.1: The upgraded control box, illustrating its internal components, labeled outputs, and spare fuses.

5.2 Wiring Connections

1. Connect the main power wire from the control box to the positive terminal of your vehicle's battery, ensuring an inline fuse is used.
2. Connect the ground wire from the control box to a suitable chassis ground point.
3. Connect the ACC (Accessory) wire to a switched 12V source that turns on and off with the ignition.
4. Connect the switch panel to the control box using the provided communication cable.
5. Connect your accessories (lights, fans, etc.) to the corresponding output terminals on the control box. Each output is clearly labeled and protected by a fuse.



Image 5.2: A visual representation of the Auxbeam 6 gang switch panel connected to its control box, showing various wiring points.

6. OPERATING INSTRUCTIONS

Once installed, operate your Auxbeam switch panel as follows:

6.1 Powering On/Off

Press the main power button (usually marked with a power symbol) on the switch panel to turn the unit on or off. When turned on, the panel will automatically restore the last used light settings due to its memory function.

6.2 Selecting Lighting Modes

Each individual switch can be configured with one of three lighting modes:

- **TOGGLE:** Press the button once to turn the connected accessory ON. Press again to turn it OFF. The accessory remains on until manually turned off.
- **MOMENTARY:** The connected accessory is active only while the button is pressed and held. Releasing the button turns the accessory OFF.
- **PULSED (Strobe):** The connected accessory will flash or strobe when activated.

Refer to the specific programming instructions (not detailed in this general manual) for how to assign these modes to individual switches.



Image 6.1: Visual explanation of the three lighting modes: Toggle, Momentary, and Pulsed (Strobe).

6.3 RGB Backlight and Auto-Dimming

The RGB backlight color can be customized. The panel's auto-dimming feature automatically adjusts the backlight brightness, making it brighter in daylight and dimmer at night to optimize visibility and reduce eye strain.

6.4 1 Touch Backlight OFF (RB80XL Only)

For the RB80XL model, press the 'MODE' button once to deactivate the backlight of the switch panel. Press it again to reactivate the backlight.

7. MAINTENANCE

The Auxbeam switch panel is designed for durability and requires minimal maintenance.

- **Cleaning:** Wipe the switch panel surface with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically check all wiring connections for tightness and signs of wear or corrosion. Ensure the control box remains free of debris and moisture.
- **Fuse Replacement:** If an accessory stops working, check the corresponding fuse in the control box. Replace blown fuses with new ones of the same amperage rating.

8. TROUBLESHOOTING

If you encounter issues with your Auxbeam switch panel, refer to the following common problems and solutions:

- **Panel does not power on:** Check the main power and ground connections to the control box. Verify the ACC wire has a 12V signal when the ignition is on. Check the main fuse.
- **An accessory does not turn on:** Check the specific switch's fuse in the control box. Ensure the accessory itself is properly wired and functional. Verify the switch mode is correctly set (Toggle, Momentary, Pulsed).
- **Backlight not working or incorrect color:** Ensure the panel is powered on. Check for any specific backlight settings or modes that might be active. For RB80XL, ensure the backlight hasn't been turned off via the 'MODE' button.
- **Intermittent operation:** Inspect all wiring for loose connections, corrosion, or damage. Ensure the control box is securely mounted and protected.

If problems persist after attempting these solutions, contact Auxbeam customer support.

9. SPECIFICATIONS

| | |
|--------------------------------|--|
| Brand | Auxbeam |
| Model Numbers | RA60 (6 Gang), RB80XL (8 Gang) |
| RB80XL Panel Dimensions | 5.3 x 3 inches |
| Backlight | RGB with Auto-Dimming |
| Control Box | Built-in Solid State Relay, Labeled Outputs, Spare Fuses |

10. WARRANTY AND SUPPORT

Auxbeam provides a **2-year warranty** for this product, covering manufacturing defects and material flaws under normal use. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or any questions regarding your Auxbeam switch panel, please contact Auxbeam customer service through their official website or the retailer where the product was purchased.

