Geloo 02-8Gang-BLUE

Geloo 8 Gang Marine Switch Panel User Manual

Model: 02-8Gang-BLUE

Introduction

Thank you for choosing the Geloo 8 Gang Marine Switch Panel. This manual provides essential information for the proper installation, operation, and maintenance of your new switch panel. Please read it thoroughly before use to ensure safe and efficient performance.

This multifunction rocker switch panel is designed for marine and automotive applications, offering reliable control for various electrical devices. It features integrated circuit breakers for enhanced safety and a durable, waterproof construction.



Figure 1: Geloo 8 Gang Marine Switch Panel (Blue LED)

Product Features

- **8 Blue LED Rocker Switches:** Individual ON/OFF control for up to eight different circuits.
- **Integrated Circuit Breakers:** Includes 2x10A, 2x15A, and 4x5A circuit breakers for overload, overheat, and short circuit protection.
- **Durable Construction:** Made from flame-retardant aluminum panel, offering scratch and corrosion resistance.
- **Waterproof Design:** All sockets are equipped with rubber seals to enhance water resistance (IP65 rated).
- **Pre-wired for Easy Installation:** Simplifies the wiring process with pre-attached connections.
- **Versatile Mounting:** Can be installed horizontally or vertically to suit various panel layouts.



Figure 2: Detailed view of the switch panel components.



Figure 3: IP65 Waterproof Rating Demonstration.

Installation and Setup

Proper installation is crucial for the safe and effective operation of your switch panel. It is recommended that installation be performed by a qualified professional if you are unfamiliar with marine or automotive electrical systems.

1. Mounting the Panel

1. Choose a suitable location on your boat, RV, or vehicle dashboard that is easily accessible and provides sufficient space for the panel and its wiring.
2. Ensure the mounting surface is flat and stable.
3. Use the provided screws to secure the panel in place. The panel can be installed horizontally or vertically.



Figure 4: Example of panel installation on a boat.

2. Wiring Instructions

The switch panel comes pre-wired for convenience. Follow the diagram below for connecting your electrical devices.

- Connect the main positive (+VE) input wire to your vehicle's 12V-24V DC power source.
- Connect the main negative (-VE) input wire to a suitable ground point.
- Each rocker switch has a corresponding output wire. Connect the positive lead of your electrical device (e.g., lights, pump) to the respective switch output wire.
- Ensure all connections are secure and properly insulated to prevent short circuits.

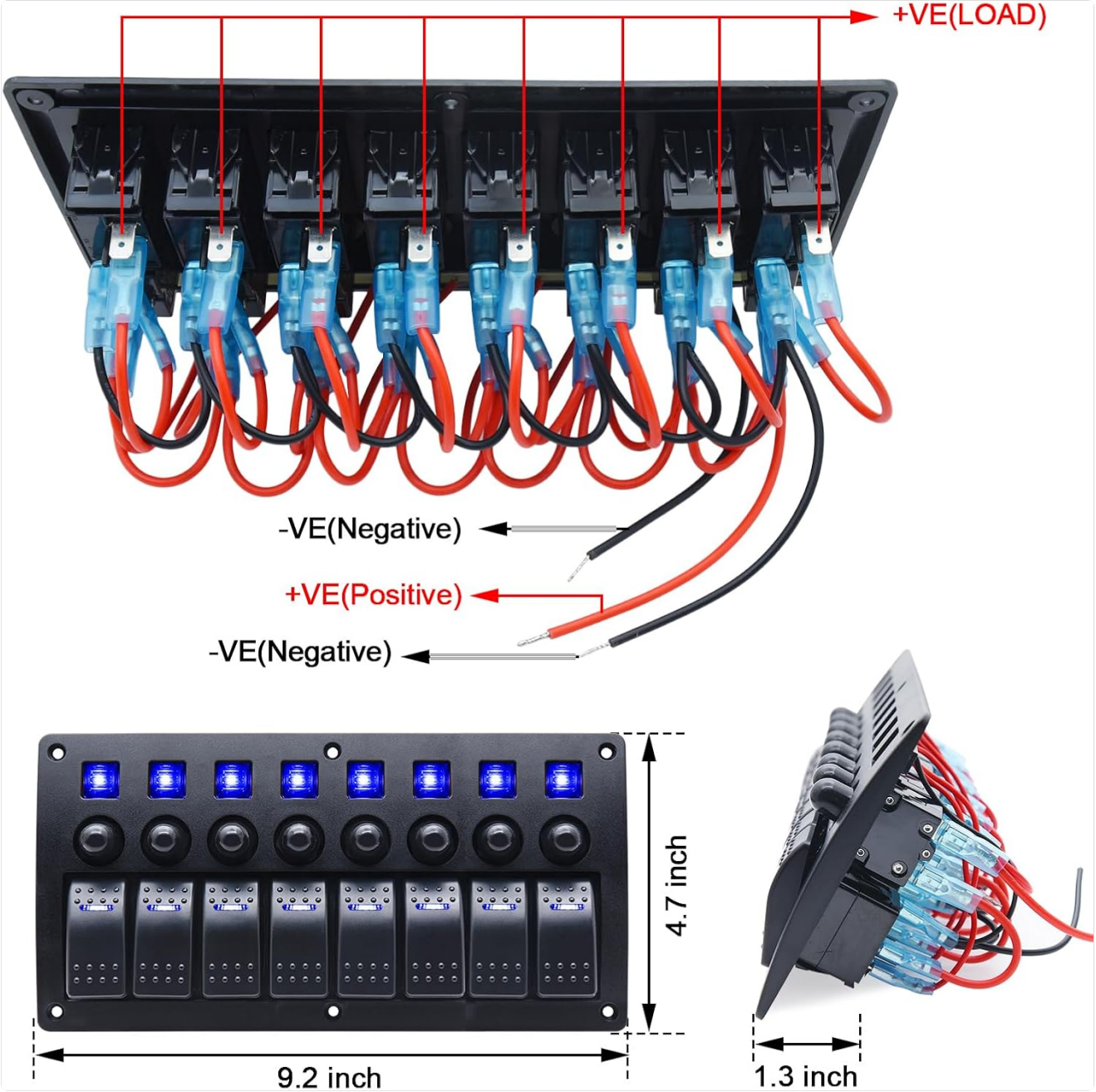


Figure 5: Wiring Diagram.

Video 1: Demonstration of the switch panel's functionality and pre-wiring. This video shows the panel being connected to a power supply and the individual switches being tested, illuminating their respective LEDs.

Operating Instructions

Each rocker switch on the panel controls a specific circuit. To operate a connected device:

1. Ensure the main power supply to the panel is active.
2. Press the top part of the rocker switch to turn the connected device ON. The blue LED indicator above the switch will illuminate.
3. Press the bottom part of the rocker switch to turn the connected device OFF. The blue LED indicator will turn off.

Circuit Breakers

The integrated circuit breakers automatically disconnect the circuit if an overload, overheat, or short circuit occurs, protecting your devices and wiring. If a breaker trips, the corresponding button will pop out. To reset a tripped breaker, allow it to cool down, then push the button back in. Identify and resolve the cause of the overload before resetting to prevent further issues.



Figure 6: Circuit Breakers and Safety Protection.

Video 2: Overview of the 8 Gang Rocker Switch Panel, demonstrating its rotation and the operation of individual switches. This video provides a visual guide to the panel's design and how the switches function.

Maintenance

Regular maintenance will extend the lifespan of your Geloo switch panel.

- **Cleaning:** Wipe the panel surface with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or seals.
- **Inspection:** Periodically check all wiring connections for tightness and signs of corrosion. Ensure rubber seals around the switches and breakers are intact.
- **Water Exposure:** While the panel is designed to be waterproof (IP65), prolonged exposure to direct water spray or submersion should be minimized. Ensure proper drainage around the installation area.

Troubleshooting

Problem	Possible Cause	Solution
Switch LED not illuminating / Device not turning on	No power to the panel; tripped circuit breaker; loose wiring connection; faulty device.	Check main power supply. Reset tripped circuit breaker. Inspect and tighten all wiring connections. Test the connected device independently.
Circuit breaker frequently trips	Overload on the circuit; short circuit in wiring or device; incorrect breaker amperage.	Reduce the load on the circuit. Inspect wiring and connected device for short circuits. Ensure the connected device's current draw does not exceed the breaker's rating.
Water ingress into switches	Improper sealing during installation; damaged rubber seals on switches.	Ensure the panel is properly sealed to the mounting surface. Inspect and replace any damaged rubber seals around the switches. While the panel is waterproof, direct and prolonged exposure to heavy rain or spray can sometimes challenge the seals over time.

Specifications

Attribute	Value
Brand	Geloo
Model Number	02-8Gang-BLUE
Operation Mode	ON-OFF, Rocker
Current Rating	15 Amps (per switch, with varying breaker ratings)
Operating Voltage	12V-24V DC
Contact Type	Normally Open

Attribute	Value
Connector Type	Screws
Item Dimensions (L x W x H)	9.25 x 4.72 x 4.13 inches
Circuit Type	8-way
Actuator Type	Rocker
Contact Material	Aluminum
International Protection Rating	IP65
Number of Positions	8
Bulb Type	LED (Blue)
Item Weight	1.41 pounds
Country of Origin	China

Warranty and Support

Geloo products are manufactured to high-quality standards. For specific warranty information and support, please refer to the product packaging or contact the seller directly. Keep your purchase receipt as proof of purchase.
For technical assistance or inquiries, please reach out to the manufacturer or authorized distributor.

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

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