

Geloo 10gang

Geloo 10 Gang IP65 Waterproof 12V/24V Toggle Switch Panel User Manual

Model: 10gang

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Geloo 10 Gang IP65 Waterproof 12V/24V Toggle Switch Panel. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

- Ensure the power supply is disconnected before installation or maintenance to prevent electrical shock.
- Verify that the voltage and current ratings of your vehicle or boat electrical system are compatible with the switch panel (12V/24V DC, max 32A).
- Use appropriate wiring gauges for your applications to prevent overheating and potential fire hazards.
- The panel is IP65 waterproof, meaning it is protected against dust and low-pressure water jets. It is not designed for submersion.
- Do not modify the product. Any modifications may void the warranty and create safety risks.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- 1 x Geloo 10 Gang Switch Panel
- 4 x Fixing Screws
- 1 x Jumper Wires Set
- 1 x DIY Sign Stickers



BOAT HORN BUTTON

Safety Alert:

In Low Visibility (E.G. Fog, Night) Or Emergency Situations, Short Press/Long Press To Sound The Horn To Warn Nearby Vessels To Avoid Collisions

Figure 3.1: Package Contents. The image displays the 10 gang switch panel along with four fixing screws, a set of jumper wires, and a sheet of DIY sign stickers.

4. PRODUCT FEATURES

The Geloo 10 Gang Switch Panel is designed for versatile control in marine and automotive applications, offering a range of integrated functionalities:

- **10 Gang Toggle Switches:** Control up to 10 different electrical devices.
- **Integrated Voltmeter:** Real-time voltage monitoring of your electrical system.
- **Dual USB Ports:** Two high-speed USB ports (10A/15A) for charging devices.
- **12V/24V DC Socket:** A versatile power outlet for various accessories.
- **Boat Horn Button:** Dedicated button for horn activation.
- **IP65 Waterproof:** Advanced sealing technology protects against water ingress and dust.
- **Safety Protection:** Built-in DC32V overcurrent protection, with comprehensive overheating, overcurrent, and short circuit protection.
- **Durable Construction:** H65 copper terminals, silver-tin alloy contacts, and robust ABS console (UL94-V1 fire resistance).

IP65 WATERPROOF



Voltage
Monitoring



Short Circuit
Protection



Overload &
Overvoltage
Protection



Waterproof
& Dustproof



Temperature
-40°C~85°C



Easy
Installation



Full of
Power



Durable

Dual USB
Charger

Voltmeter

Boat Horn
Button



Figure 4.1: Overview of the Geloo 10 Gang Switch Panel, highlighting its key features including the dual USB charger, voltmeter, and boat horn button, all within an IP65 waterproof design.



DUAL USB FAST CHARGER

Up To 40% Faster Than Conventional
Chargers.

Figure 4.2: Dual USB Fast Charger. The panel includes two USB ports (5V 1A and 5V 2.1A) for efficient device charging.



Figure 4.3: Integrated Voltmeter. The digital display shows real-time voltage, indicating battery status and potential issues.



Figure 4.4: Overload Protection. The panel features a built-in DC 32V overcurrent protector to prevent damage from electrical surges.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of the switch panel:

- 1. Choose Mounting Location:** Select a flat, secure surface on your boat, RV, truck, or car dashboard that is easily accessible and away from direct heat or excessive vibration. Ensure sufficient space behind the panel for wiring.
- 2. Prepare Mounting Hole:** Use the provided dimensions (approximately 24.5cm x 17.5cm) to cut an appropriate opening for the panel. Ensure the edges are smooth and clean.
- 3. Wiring Connections:**
 - The panel is pre-wired for convenience. Connect the main positive (+) wire (typically red) from the panel to your vehicle's 12V/24V DC power source (e.g., battery or fuse box) via an appropriate fuse or circuit breaker.
 - Connect the main negative (-) wire (typically black) from the panel to a suitable ground point on your vehicle.
 - Connect the positive (+) wires from your accessories (air conditioning, lighting, bilge pumps, fans, etc.) to the corresponding output terminals of the toggle switches.
 - Ensure all connections are secure and insulated to prevent short circuits. The easy disconnection feature allows for pressing down clips to separate terminals if needed.

4. **Mount the Panel:** Insert the switch panel into the prepared opening. Secure it using the four provided fixing screws.
5. **Apply DIY Stickers:** Use the included DIY sign stickers to label each switch according to its function (e.g., 'Lights', 'Horn', 'USB', 'Fan'). This enhances usability and organization.
6. **Test Functionality:** Reconnect the power supply and test each switch, the USB ports, voltmeter, and horn button to ensure all functions operate correctly.

PACKAGE INCLUDES

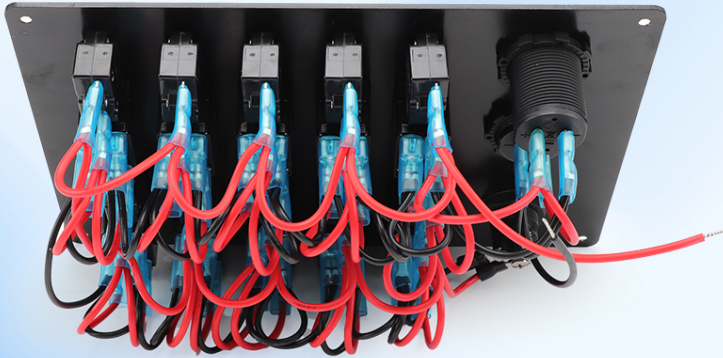
- ✓ 1 x 10 Gang Switch Panel
- ✓ 4 x Fixing Screws
- ✓ 1 x Jumper Wires Set
- ✓ 1 x DIY Sign Stickers



Figure 5.1: Pre-wired for Easy Installation. The image shows the rear of the panel with its pre-wired connections and a simplified wiring diagram.

OVERLOAD PROTECTION

Built-in DC32V Overcurrent Protector. The circuit breaker will popup and interrupt the flow of electrical current when it exceeds a predetermined amount.



Normal State



Overload, Circuit Breaker Pops Up



Push To Reset, Back To Normal State

Figure 5.2: Easy Disconnection. This image illustrates the mechanism for easily disconnecting wires from the switch terminals.

PACKAGE INCLUDES

1 x 10 Gang Switch Panel
4 x Fixing Screws

1 x Jumper Wires Set
1 x DIY Sign Stickers



DIY UNIVERSAL SWITCH STICKERS



Figure 5.3: Customizing with DIY Stickers. The included stickers allow for clear labeling of each switch function.

6. OPERATING INSTRUCTIONS

- **Toggle Switches:** Each of the 10 switches operates independently. Push the toggle switch to the 'ON' position to activate the connected device, and to the 'OFF' position to deactivate it. The switches typically have an LED indicator when active.
- **Voltmeter:** The integrated digital voltmeter continuously displays the current voltage of your electrical system. Monitor this reading to ensure your battery is within a healthy operating range (10.5V-13.5V for 12V systems, 21V-27V for 24V systems).
- **USB Charger:** Plug your USB-compatible devices into the dual USB ports for charging. The ports provide 5V 1A and 5V 2.1A output.
- **DC Socket:** Use the 12V/24V DC socket to power compatible accessories.
- **Horn Button:** Press the dedicated horn button to activate the connected horn. This is useful for safety alerts in low visibility or emergency situations.

7. MAINTENANCE

- **Regular Cleaning:** Wipe the panel surface with a soft, damp cloth to remove dust and grime. Avoid abrasive cleaners or solvents.
- **Check Connections:** Periodically inspect all wiring connections to ensure they remain tight and free from corrosion.
- **Overcurrent Protection:** If a circuit breaker pops up (indicating an overload), disconnect the problematic device, push the button back in to reset, and investigate the cause of the overload before reconnecting the device.



Figure 7.1: Overload Protection Reset. This sequence shows the normal state, the circuit breaker popping up due to overload, and how to reset it.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power to the panel/switches	Loose main power connection, blown fuse, dead battery.	Check main power and ground connections. Inspect fuses in the vehicle's fuse box. Check battery voltage.
A specific switch does not work	Loose connection to the accessory, faulty accessory, tripped circuit breaker for that switch.	Check the wiring for that specific switch and accessory. Ensure the accessory is functional. Reset the individual circuit breaker if it has popped up.
Voltmeter shows incorrect reading or no reading	Loose voltmeter wiring, faulty voltmeter.	Check voltmeter connections. If connections are secure and the issue persists, the voltmeter may be faulty.
USB ports not charging	Loose USB power connection, device incompatibility, faulty USB port.	Ensure USB power connections are secure. Try a different USB device. If still not working, the USB port may be faulty.
Circuit breaker repeatedly trips	Overload on the circuit, short circuit in the connected device or wiring.	Reduce the load on the circuit. Inspect the connected device and its wiring for any short circuits or damage.

9. SPECIFICATIONS

Specification	Detail
Brand	Geloo
Model Number	10gang
Mounting Type	Panel Mount
Material (Panel)	Acrylonitrile Butadiene Styrene (ABS)

Specification	Detail
Contact Material	Aluminum (Silver-tin alloy contacts)
Terminal Type	Screw / Crimp
Voltage	12V / 24V DC
Current Rating	20 Amps
Maximum Current	32 Amps
Operation Mode	ON-OFF
Number of Positions	10
Switch Type	Toggle
International Protection Rating	IP65 (Waterproof and Dustproof)
Compatible Devices	Vehicles (Car, Boat, RV, Truck) - Air Conditioning, Lighting, Bilge Pumps, Fans, Appliances
Included Components	1 x Switch Panel, 4 x Fixing Screws, 1 x Jumper Wires Set, 1 x DIY Sign Stickers

10. WARRANTY AND SUPPORT

Specific warranty information for the Geloo 10 Gang IP65 Waterproof 12V/24V Toggle Switch Panel is not provided in the available product details. For warranty claims or technical support, please refer to the seller or manufacturer's contact information provided at the point of purchase or on the product packaging.

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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