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› Etrogo 6 Gang Rocker Switch Panel User Manual

Etrogo YJ-SPA021 (6 Gang Switch Panel)

Etrogo 6 Gang Rocker Switch Panel User Manual

Model: YJ-SPA021 (6 Gang Switch Panel)

Brand: Etrogo

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Etrogo 12V/24V 6 Gang Rocker Switch Panel. This panel is designed for various vehicles including cars, marine vessels, RVs, trucks, and campers, offering control over multiple electrical appliances. It integrates a dual USB Type-C outlet, a digital LED voltmeter, and a cigarette lighter socket.



Figure 1: Etrogo 6 Gang Rocker Switch Panel shown in various vehicle applications (RV, Yacht, Bus, Truck).

2. PRODUCT FEATURES

- **Integrated Functionality:** Includes a dual USB Type-C socket (DC5V/4.8A output), a digital LED voltmeter (6-30V detection range), a cigarette lighter socket, and six ON-OFF rocker switches.
- **Multi-Protection:** Features overload, over-current, and short circuit protection. Equipped with a 15A fuse.
- **Durable Construction:** Manufactured from high-quality ABS, PC, and PBT materials, providing resistance to high and low temperatures (-25°C to 80°C), fire, and corrosion.
- **Waterproof Design:** Rated IP65 for water and dust resistance.
- **Pre-wired for Easy Installation:** The panel comes pre-wired, simplifying the connection process.
- **Wide Compatibility:** Suitable for 12V/24V DC systems in various vehicles.



Figure 2: The Etrogo 6 Gang Rocker Switch Panel is designed with an IP65 waterproof rating, suitable for demanding environments.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Etrogo 6 Gang Rocker Switch Panel (Pre-wired)
- 4 x Stainless Steel Mounting Screws
- 1 x Set of Labels for Switches

4. SAFETY INFORMATION

Read and understand all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect the vehicle's battery before performing any electrical work.

- Ensure the input voltage is within the specified range of 12V-24V DC.
- Do not exceed the maximum current rating of 15 Amps for the panel.
- Use appropriate wire gauges for connections to prevent overheating.
- Ensure all connections are secure and properly insulated.
- Do not modify the product. Unauthorized modifications may void the warranty and pose safety risks.

5. SETUP AND INSTALLATION

The switch panel is designed for straightforward installation. Follow these steps:

1. **Choose Mounting Location:** Select a flat, secure surface in your vehicle for mounting the panel. Ensure there is sufficient space behind the panel for wiring.
2. **Cut Opening:** Based on the panel's dimensions (approximately 18cm x 11cm), carefully cut an opening in the chosen mounting surface.
3. **Wiring Connections:**
 - Connect the **red wire** from the panel to the positive (+) terminal of your 12V/24V DC power source.
 - Connect the **black wire** from the panel to the negative (-) terminal or ground of your 12V/24V DC power source.
 - Connect the individual output wires from each rocker switch to the respective electrical appliances you wish to control.
 - The panel includes a built-in 15A fuse for protection.
4. **Secure the Panel:** Insert the panel into the cut opening and secure it using the four stainless steel screws provided.
5. **Apply Labels:** Use the included labels to identify the function of each switch.
6. **Test Functionality:** Reconnect the vehicle's battery and test all switches, the USB outlet, voltmeter, and cigarette lighter for proper operation.

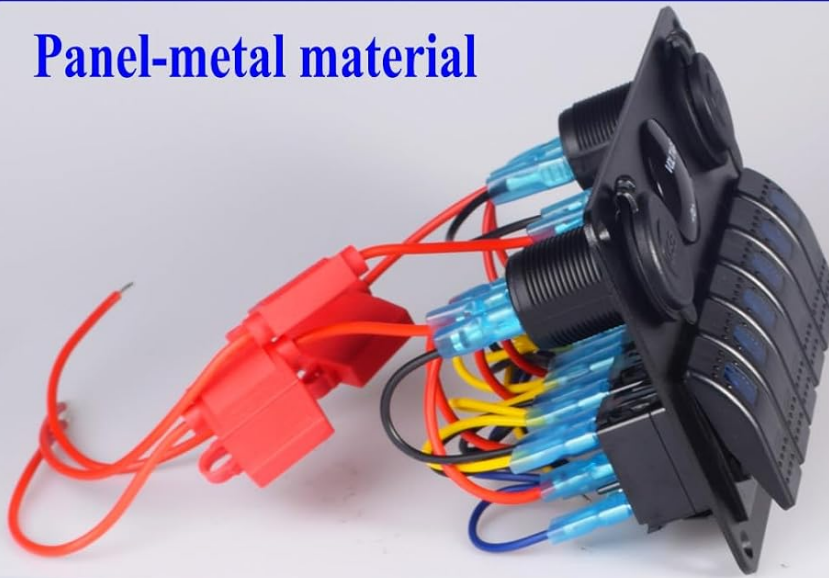
Prewired

More easily to install



Figure 3: The panel comes pre-wired for easier installation, including a built-in 15A fuse for circuit protection.

Panel-metal material

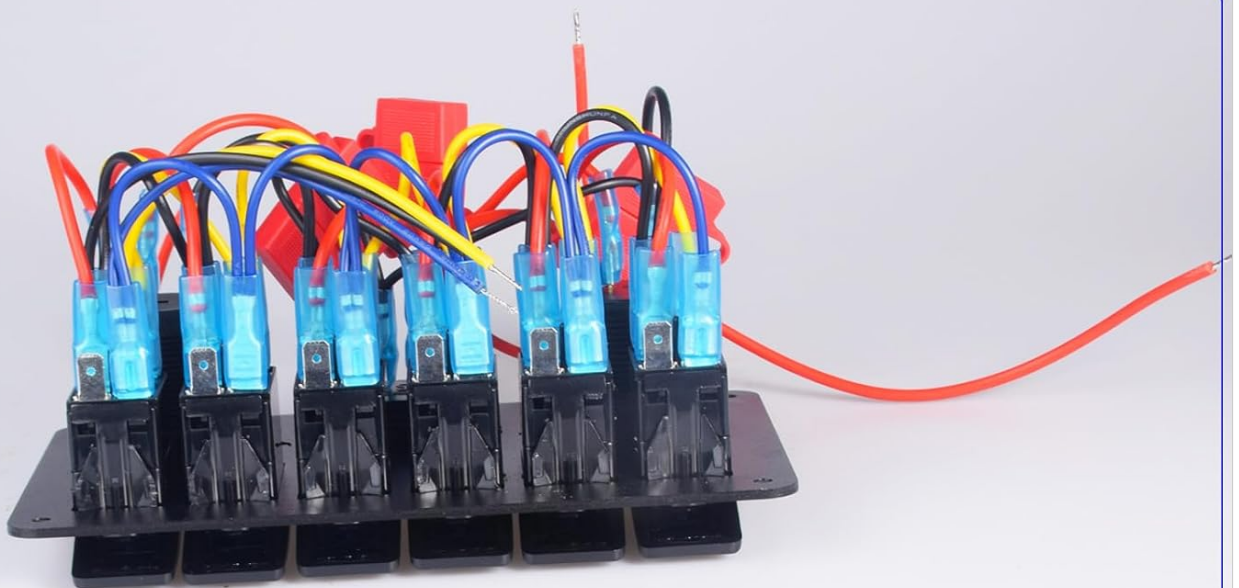


anti-Scratch

anti-flame

durable

Side view- 1



Side view- 2

Figure 4: Side views illustrating the wiring connections and the durable panel material.

6. OPERATING INSTRUCTIONS

Once installed, the Etrogo 6 Gang Rocker Switch Panel is ready for use.

- **Rocker Switches:** Each of the six ON-OFF rocker switches controls a connected electrical appliance. Press the switch to the ON position to activate the appliance, and to the OFF position to deactivate it.
- **USB Type-C Outlet:** Use the dual USB Type-C ports to charge compatible electronic devices. The output is DC5V/4.8A per port.
- **Digital LED Voltmeter:** The integrated voltmeter displays the current voltage of your vehicle's electrical system, with a detection range of 6-30V. This helps monitor battery health.
- **Cigarette Lighter Socket:** This socket provides a standard 12V/24V power outlet for compatible accessories.



Figure 5: Overview of the Etrogo 6 Gang Switch Panel components, including USB, voltmeter, cigarette lighter, and rocker switches.

7. MAINTENANCE

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

- **Cleaning:** Wipe the surface of the panel with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners or solvents.
- **Fuse Check:** The panel is equipped with a 15A fuse. If a connected appliance stops working, check the fuse. If blown, replace it with a fuse of the same rating (15A). Always disconnect power before checking or replacing fuses.
- **Connection Inspection:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Panel has no power / Voltmeter is off.	No power from vehicle battery. Loose or incorrect power connections (red/black wires). Blown 15A fuse.	Check vehicle battery charge. Verify red wire is connected to positive (+), black wire to negative (-) or ground. Ensure connections are secure. Inspect and replace the 15A fuse if blown.
A specific switch does not work.	Loose connection to the appliance. Faulty appliance. Internal wiring issue (rare).	Check the wiring from the switch to the appliance. Test the appliance directly to confirm it is functional. Contact customer support if other solutions fail.
USB outlet not charging.	Device not compatible or cable faulty. Insufficient power input.	Try a different device or USB cable. Ensure the vehicle's power system is providing adequate voltage.

9. SPECIFICATIONS

Model	YJ-SPA021 (6 Gang Switch Panel)
Input Voltage	DC 12V / 24V
Max Current Rating	15 Amps
USB Output	DC 5V / 4.8A (per port)
Voltmeter Detection Range	6V - 30V
Waterproof Rating	IP65
Operating Temperature	-25°C to 80°C (-13°F to 176°F)
Material	ABS, PC, PBT
Circuit Type	6-way
Panel Dimensions	Approx. 18 cm (Length) x 11 cm (Width)

10. WARRANTY AND SUPPORT

Warranty: This Etrogo product comes with a 1-year warranty from the date of purchase, covering manufacturing defects.

Customer Support: For any questions, technical assistance, or warranty claims, please contact Etrogo customer service directly. You can send a message to the seller, and solutions will be provided within 24 hours via email.

Please retain your proof of purchase for warranty purposes.

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