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› Hyduo 6-Gang Prewired Marine Rocker Switch Panel (Model Hyduoebijnw2u63) User Manual

## Hyduo Hyduoebijnw2u63

# Hyduo 6-Gang Prewired Marine Rocker Switch Panel User Manual

Model: Hyduoebijnw2u63

## 1. PRODUCT OVERVIEW

The Hyduo 6-Gang Prewired Marine Rocker Switch Panel is designed for controlling various electrical components in marine and recreational vehicles. It features six individual rocker switches, each prewired for ease of installation, and includes a built-in circuit protector for enhanced safety. Constructed from durable ABS material with an IP65 rating, this panel is built to withstand harsh environments.



Image 1: Front view of the Hyuduo 6-Gang Prewired Marine Rocker Switch Panel.

### Key Features:

- **Multifunctional Control:** Manages various marine components such as lights, water pumps, depth sounders, and GPS devices.
- **Safety First:** Integrated circuit protector automatically resets upon overload, preventing damage.
- **Durable & Weatherproof:** Made from ABS material with an IP65 rating for resistance against harsh marine environments.
- **Versatile Applications:** Suitable for 12V systems in boats, yachts, RVs, and buses.
- **Ready to Use:** Features prewired connections (red for positive, black for negative) and includes labeling stickers for easy identification.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Hyuduo 6-Gang Prewired Marine Rocker Switch Panel

- 1 x Sticker Sheet (for labeling switches)
- 6 x Mounting Screws (colors may vary)
- 1 x Sealing Gasket



Image 2: Contents of the package, including the switch panel, sticker sheet, mounting screws, and sealing gasket.

### 3. SPECIFICATIONS

Specification	Value
Item Type	Switch Control Panel
Material	ABS (Acrylonitrile Butadiene Styrene)
Input Voltage	DC12V
Panel Size	Approx. 183 x 90mm / 7.20 x 3.54in

Specification	Value
Current Rating (6 Positions)	5A x 2, 10A x 2, 15A x 2
Contact Type	2NO+2NC
Operating Temperature	-25°C to 80°C
International Protection Rating	IP65
Operation Mode	ON-OFF
Switch Type	Toggle
Mounting Type	Wall Mount
Model	Hyduoebijnw2u63

## 4. SAFETY INFORMATION

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Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect power to the circuit before installation or maintenance.
- Ensure the input voltage (DC12V) matches your vehicle's electrical system.
- Do not exceed the maximum current ratings for each switch (5A, 10A, 15A).
- Install in a location protected from direct water exposure, despite the IP65 rating, to prolong product life.
- Consult a qualified electrician or marine technician if you are unsure about any part of the installation process.
- Keep children away from electrical components.

## 5. SETUP AND INSTALLATION

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The Hyduo 6-Gang Switch Panel is prewired for simplified installation. Follow these steps for proper setup:

1. **Choose Mounting Location:** Select a flat, secure surface on your boat, yacht, RV, or bus that is easily accessible and provides sufficient space for the panel (approx. 183 x 90mm).
2. **Prepare Mounting Surface:** Mark the outline of the panel and the screw holes. Use appropriate tools to cut an opening for the panel if flush mounting, and drill pilot holes for the mounting screws.
3. **Connect Wiring:**
  - Identify the main positive (+) and negative (-) power sources from your vehicle's 12V DC system.
  - Connect the main **red** wire from the switch panel to your vehicle's positive (+) power source.
  - Connect the main **black** wire from the switch panel to your vehicle's negative (-) ground.
  - Each individual switch has prewired output terminals. Connect the positive (+) wire of the device you wish to control (e.g., lights, pump) to the corresponding output terminal of a switch. The negative (-) wire of the device should be connected to the vehicle's common ground.



Image 3: Rear view of the switch panel, illustrating the prewired connections for positive and negative terminals.

4. **Apply Labeling Stickers:** Use the provided sticker sheet to label each switch according to the function it controls (e.g., "Lights", "Pump", "GPS"). This aids in easy identification during operation.
5. **Mount the Panel:** Place the sealing gasket around the panel opening (if applicable) and secure the switch panel to the mounting surface using the six provided screws. Ensure a snug fit to maintain the IP65 rating.
6. **Test Functionality:** Reconnect power to the circuit and test each switch to ensure all connected devices operate correctly.

## 6. OPERATING INSTRUCTIONS

Operating the Hyuduo 6-Gang Prewired Marine Rocker Switch Panel is straightforward:

- Each rocker switch controls a single connected electrical device.
- To turn a device ON, press the top part of the corresponding rocker switch. The switch may illuminate to indicate it is active (if equipped with an indicator light).
- To turn a device OFF, press the bottom part of the corresponding rocker switch.
- Refer to the applied labeling stickers for quick identification of each switch's function.



Image 4: Close-up view of the six red rocker switches on the panel.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your switch panel:

- **Cleaning:** Periodically wipe the panel surface with a soft, damp cloth to remove dust and grime. Avoid abrasive cleaners or solvents that could damage the ABS material or markings.
- **Inspection:** Regularly check all wiring connections for tightness and signs of corrosion. Ensure the panel is securely mounted.
- **Circuit Protection:** The built-in circuit protector automatically resets. If a switch repeatedly trips, investigate the connected device for a short circuit or overload condition. Do not bypass the circuit protector.
- **Environmental Protection:** While IP65 rated, minimizing exposure to extreme conditions and direct water spray will extend the product's lifespan.

## 8. TROUBLESHOOTING

If you encounter issues with your Hyuduo 6-Gang Switch Panel, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Panel has no power / No switches work.	No power to the panel; loose main wiring connections; blown fuse in the vehicle's main circuit.	Check main positive and negative connections. Verify vehicle's 12V power supply. Inspect vehicle's main fuse.
A specific switch does not activate its device.	Loose connection to the device; faulty device; tripped circuit protector for that switch; faulty switch.	Check the wiring from the switch to the device. Test the device independently. If the circuit protector tripped, reduce load or fix short. If problem persists, the switch may be faulty.
Switch indicator light is off, but device works.	Faulty indicator light.	This is typically a minor issue and does not affect switch functionality. Replacement of the switch may be required if the indicator is desired.
Switch panel feels loose after installation.	Mounting screws are not tight; mounting surface is damaged.	Tighten mounting screws. If the surface is damaged, consider reinforcing it or relocating the panel.

If you cannot resolve the issue using this guide, please contact Hyuduo customer support.

## 9. WARRANTY AND SUPPORT

Hyuduo products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Hyuduo website. If you require technical assistance or have questions regarding your product, please contact Hyuduo customer support through the retailer where the product was purchased or via the contact information provided on the Hyuduo brand store page.

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