

KAOLALI FH/12-Way

KAOLALI 12-Way Marine Fuse Block with LED Indicator (Model FH/12-Way) Instruction Manual

Model: FH/12-Way | Brand: KAOLALI

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KAOLALI 12-Way Marine Fuse Block. Designed for 12V systems, this waterproof fuse box features 12 independent circuits with LED indicators and a negative bus, making it suitable for various automotive, RV, truck, and boat applications. Please read this manual thoroughly before use to ensure proper function and safety.

2. SAFETY INFORMATION

- Always disconnect the power source before installing or servicing the fuse block to prevent electrical shock.
- Ensure all wiring connections are secure and properly insulated to avoid short circuits.
- Use fuses of the correct amperage rating for each circuit. Using an incorrect fuse can lead to damage or fire.
- Do not exceed the maximum current rating of the fuse block or individual circuits.
- Keep the fuse block cover securely closed to protect against dust and moisture.
- If you are unsure about any installation steps, consult a qualified electrician or automotive technician.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x KAOLALI 12-Way Blade Fuse Block with Cover
- 6 x 20A Blade Fuses
- 6 x 15A Blade Fuses
- 6 x 10A Blade Fuses
- 6 x 5A Blade Fuses
- 4 x Mounting Screws
- 2 x Fuse Box Labels (Sticker Sheets)

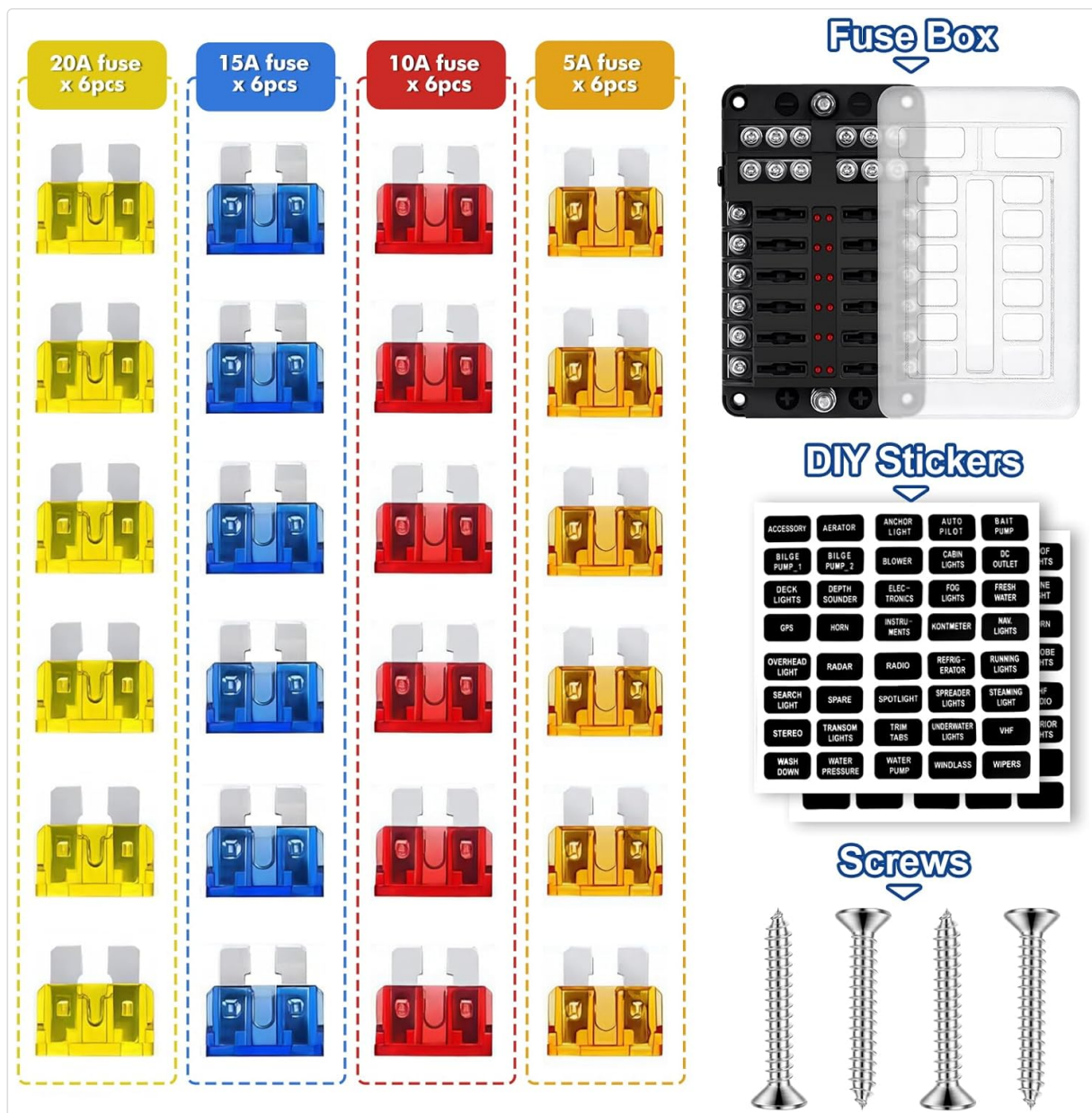


Figure 3.1: Included components: 12-way fuse block, various amperage fuses, mounting screws, and label stickers.

4. PRODUCT FEATURES

- **12-Way Design:** Provides 12 independent fused circuits for various electrical accessories.
- **LED Indicator:** Each circuit has an LED indicator that illuminates when a fuse blows, simplifying troubleshooting.
- **Negative Bus:** Integrated negative bus bar for organized grounding of all circuits.
- **Durable Construction:** Made from environmentally friendly PBT material, offering mechanical strength, insulation, heat resistance, and flame resistance.
- **Waterproof Cover:** Clear protective cover shields against dust and splash water, extending product lifespan. Features a black push-latch system for easy opening.
- **Wide Compatibility:** Suitable for 12V-32V DC systems in cars, buses, RVs, trucks, boats, yachts, and other vehicles.



Figure 4.1: The fuse block features a push-latch cover and includes DIY label stickers for circuit identification.

5. SPECIFICATIONS

Attribute	Value
Model	FH/12-Way
Brand	KAOLALI
Number of Circuits	12
Voltage Rating	32 Volts DC
Max Current per Circuit	20 Amps
Material	Polybutylene Terephthalate (PBT)
Mounting Type	Surface Mount
Product Dimensions	5.51"W x 1.57"H (approx. 13.8cm x 8.6cm x 3.5cm)
Item Weight	10.5 ounces



Figure 5.1: Approximate dimensions of the fuse block.

6. SETUP AND INSTALLATION

Follow these steps for proper installation of your fuse block:

1. **Choose a Mounting Location:** Select a dry, protected area in your vehicle or boat that is easily accessible for maintenance. Ensure sufficient space for wiring.
2. **Mount the Fuse Block:** Use the provided screws to securely fasten the fuse block to a flat surface.
3. **Open the Cover:** Press the black latch on the side of the cover to release and remove it.
4. **Install Fuses:** Insert the appropriate amperage blade fuses into each desired circuit slot. Ensure they are firmly seated.
5. **Connect Main Power:**
 - Connect the main positive (+) power cable from your battery or power source to the main positive terminal on the fuse block.
 - Connect the main negative (-) ground cable from your battery or chassis ground to the main negative terminal on the fuse block.
6. **Wire Individual Circuits:**
 - For each accessory, connect its positive (+) wire to one of the individual positive output terminals (where the fuses are located).
 - Connect the negative (-) wire of each accessory to one of the individual negative terminals on the negative bus bar.

7. **Apply Labels:** Use the provided label stickers to clearly identify each circuit for easy reference.
8. **Secure the Cover:** Replace the clear protective cover, ensuring it latches securely to protect the fuses and wiring.

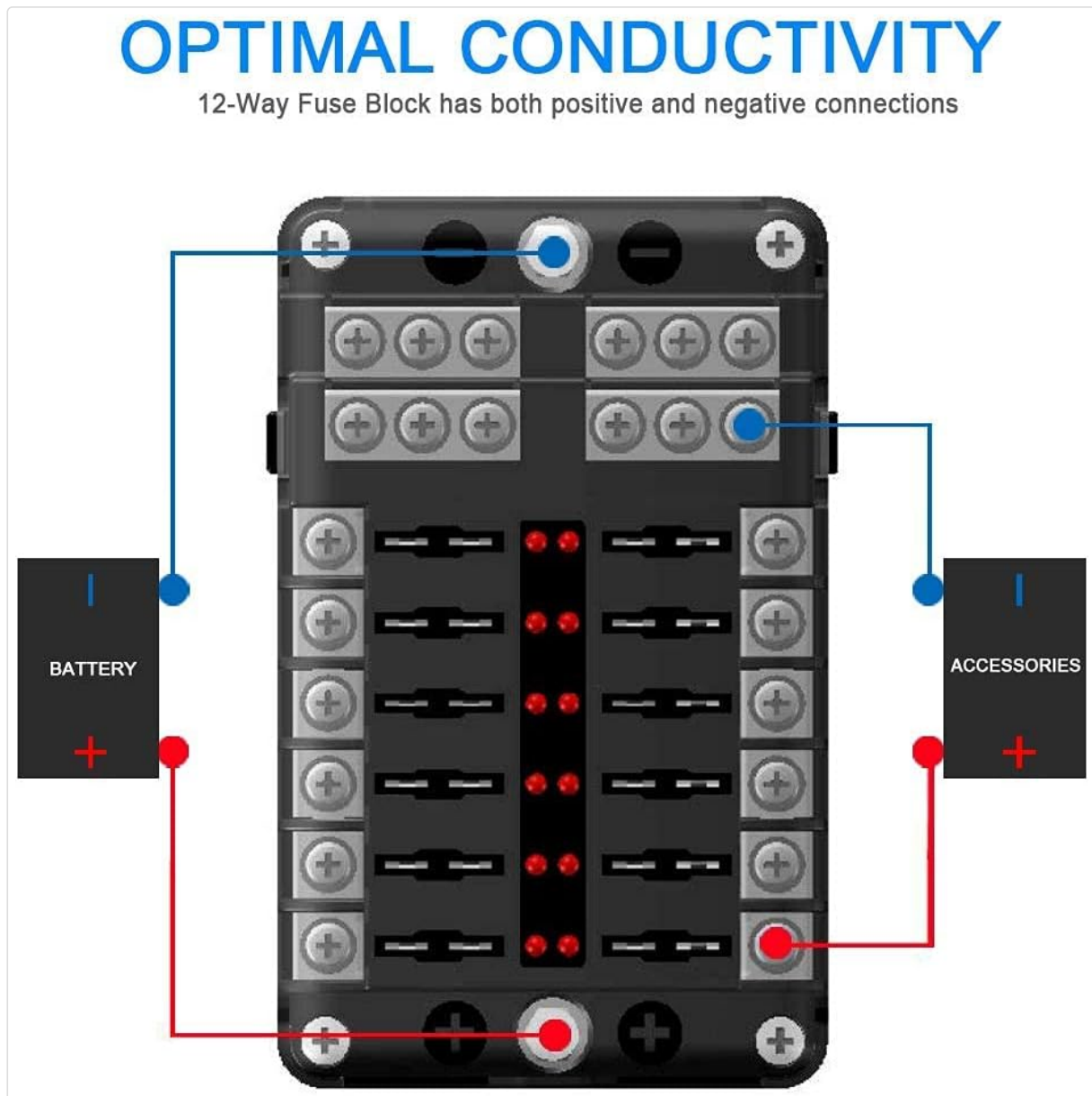


Figure 6.1: Wiring diagram for the 12-way fuse block, illustrating connections for optimal conductivity.

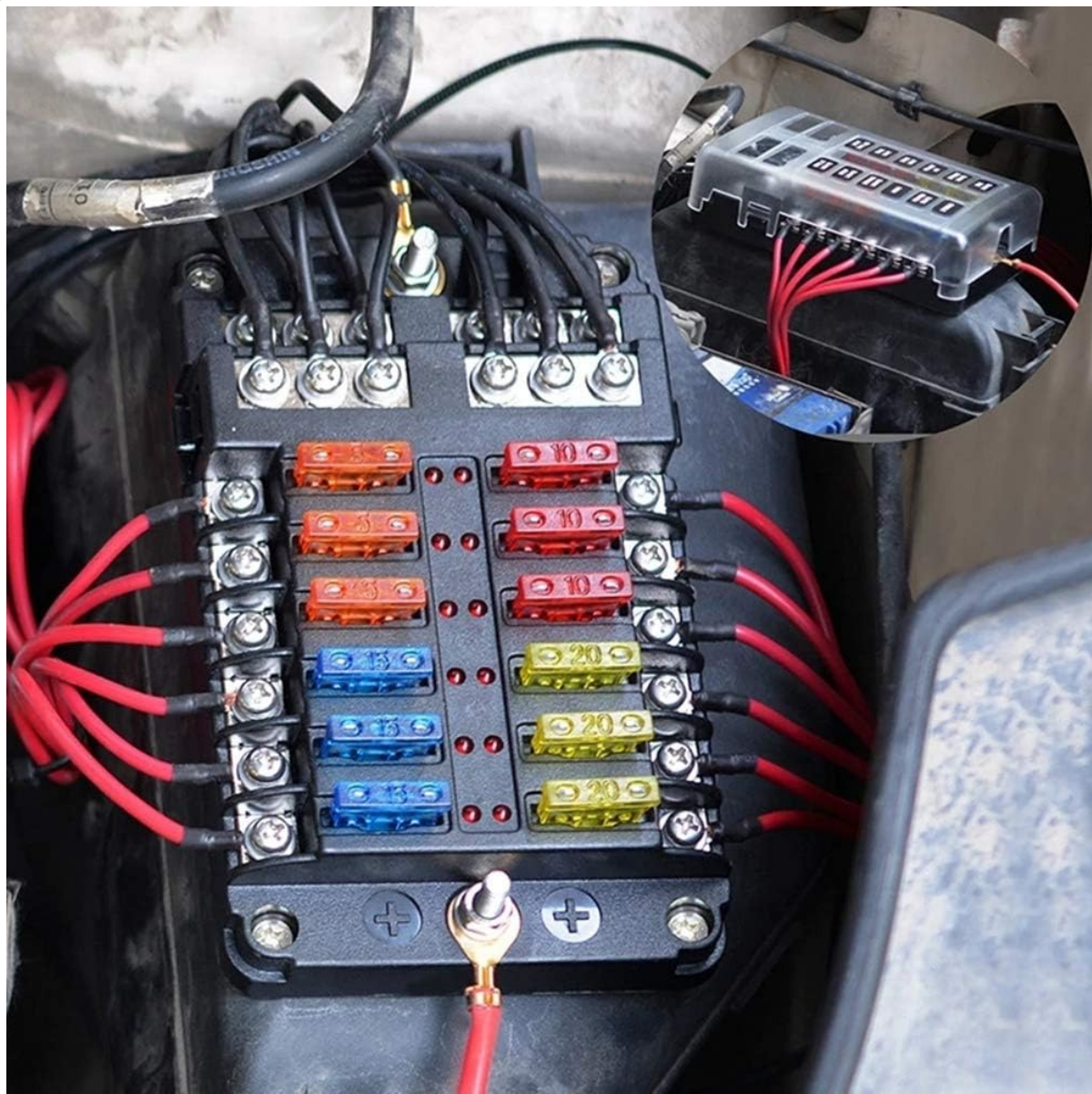


Figure 6.2: Example of a KAOLALI 12-Way Marine Fuse Block installed in an automotive application.

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Video 6.1: This video demonstrates how to open the fuse block cover and install fuses into the circuit slots.

7. OPERATING INSTRUCTIONS

The KAOLALI 12-Way Marine Fuse Block is designed for straightforward operation.

- **Power Distribution:** Once properly wired, the fuse block distributes power from your main source to up to 12 individual accessories, each protected by its own fuse.
- **LED Indicator Function:** If a fuse blows due to an overcurrent condition, the corresponding red LED indicator next to that fuse will illuminate. This allows for quick identification of the faulty circuit without needing to test each fuse individually.
- **Fuse Replacement:** To replace a blown fuse, first disconnect power to the fuse block. Open the cover, carefully remove the blown fuse, and insert a new fuse of the exact same amperage rating. Close the cover and restore power.

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Video 7.1: This video demonstrates the LED indicator function when a fuse is removed or blown, showing how it helps identify faulty circuits.

8. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your fuse block.

- **Keep Clean:** Periodically wipe the exterior of the fuse block and cover with a dry, soft cloth to remove dust and debris.
- **Inspect Connections:** Annually, or as needed, inspect all wiring connections to ensure they remain tight and free from corrosion. Loose connections can cause overheating or intermittent power issues.
- **Check Fuses:** While the LED indicators help identify blown fuses, a visual inspection of all fuses during routine maintenance is recommended to ensure they are properly seated and intact.
- **Cover Integrity:** Ensure the protective cover is always securely latched to maintain its waterproof and dustproof properties.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Accessory not receiving power.	Blown fuse.	Check the LED indicator for the affected circuit. If lit, replace the fuse with one of the correct amperage.
Accessory not receiving power.	Loose or corroded wiring connection.	Inspect all positive and negative connections for the circuit and tighten as necessary. Clean any corrosion.
LED indicator is always on, even with a new fuse.	Short circuit in the accessory or wiring.	Disconnect the accessory and inspect its wiring for shorts. Repair or replace the faulty component.
Multiple fuses blowing frequently.	Overload on circuits or main power.	Ensure the total current draw does not exceed the fuse block's capacity. Redistribute loads or consider a higher capacity fuse block if necessary. Inspect all connected accessories for faults.

10. WARRANTY AND SUPPORT

KAOLALI products are manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official KAOLALI website. Please retain your proof of purchase for any warranty claims.

[Visit the KAOLALI Store on Amazon](#)

11. TYPICAL APPLICATIONS

The KAOLALI 12-Way Marine Fuse Block is versatile and can be used in a variety of 12V DC applications, including but not limited to:

- Automotive (Cars, Trucks, SUVs)
- Recreational Vehicles (RVs)
- Marine Vessels (Boats, Yachts)

- Agricultural Equipment
- Off-Road Vehicles



Figure 11.1: The fuse block is suitable for various applications including cars, RVs, yachts, and trucks.



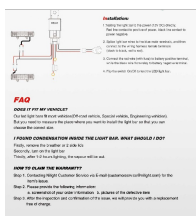
KAOLALI Digital GPS Speedometer Owner's Manual

Owner's manual for the KAOLALI Digital GPS Speedometer Gauge, detailing installation, wiring, display features, and unit settings for marine and automotive applications.



KAOLALI Motorcycle Speedometer User Guide and Functions

A comprehensive guide to the KAOLALI Motorcycle GPS Speedometer, detailing its functions, interface indicators, and wiring connections for optimal use.



[Nilight LED Light Bar Installation Guide & Troubleshooting](#)

Comprehensive guide for installing your Nilight LED light bar, including wiring instructions, troubleshooting common issues like condensation, and warranty claim procedures. Includes a detailed description of the wiring diagram.



PARKSIDE 12V Batteridreven Grensåg PAAS 12 A2: Bruksanvisning och Produktinformation

Utforska PARKSIDE 12V Batteridrivna Gressklippare PAAS 12 A2. Denna bruksanvisning ger detaljerad information om säker användning, funktioner och underhåll för din PARKSIDE trädgårdsredskap.



Mastervolt Ultra Connection Kit 12V: Installation and Specifications

A guide to the Mastervolt Ultra Connection Kit 12V, including its features, benefits, and technical specifications for easy installation with MLI Ultra batteries.