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JOYROOM JR-CL06

JOYROOM 9-in-1 210W Cigarette Lighter Splitter (Model JR-CL06) User Manual

Your comprehensive guide to installation, operation, and maintenance.

1. Introduction

Thank you for choosing the JOYROOM 9-in-1 210W Cigarette Lighter Splitter. This device is designed to expand your vehicle's power capabilities, allowing you to charge multiple devices simultaneously and power various car accessories. Please read this manual thoroughly before use to ensure proper operation and safety.



Figure 1: The JOYROOM 9-in-1 Cigarette Lighter Splitter, showcasing the main unit with multiple ports and the detachable cigarette lighter plug, alongside spare fuses.

2. Safety Information

- Ensure your vehicle's power outlet (cigarette lighter socket) is clean and free of debris before inserting the adapter.
- Do not exceed the maximum total output of **210W** for the entire unit. Each individual cigarette lighter socket should not exceed **120W**.
- This device is compatible with **12V/24V** vehicle power systems only. Do not use with other voltage systems.
- Avoid exposing the device to direct sunlight, high temperatures, or excessive moisture.
- Keep out of reach of children.
- If the device emits smoke, unusual odors, or makes strange noises, immediately unplug it from the vehicle's power outlet.
- The built-in replaceable fuse protects against over-current, over-voltage, and short-circuit situations. If the device

stops working, check and replace the fuse if necessary.

3. Package Contents

Upon opening your JOYROOM 9-in-1 Cigarette Lighter Splitter package, you should find the following items:

- 1x Cigarette Lighter USB Charger (Main Unit)
- 1x User Manual (This Document)
- 1x Velcro Adhesive Pad
- 2x Spare Fuses

4. Product Features

- **9-in-1 Functionality:** Equipped with 6 charging ports (2x QC 3.0, 1x PD, 3x USB) and 3 cigarette lighter splitter sockets, providing a total of 210W output.
- **Fast Charging:** Features 2x QC 3.0 (18W+18W) and 1x PD (36W) ports for rapid charging of compatible devices.
- **Independent Power Switches:** Each cigarette lighter socket has an individual on/off switch for convenient control and extended device lifespan.
- **LED Voltage Display:** Real-time monitoring of your car battery's voltage. The display flashes to alert you if the voltage is too high or too low.
- **Multiple Safety Protections:** Built-in replaceable fuse (with 2 spares included) protects against over-current, over-voltage, and short-circuit. CE, FCC, and RoHS certified.
- **Wide Compatibility:** Suitable for 12V/24V vehicles and various devices such as GPS, dash cams, vacuum cleaners, car fridges, heated seats, and smartphones.



Figure 2: Overview of the 9-in-1 functionality, highlighting the various charging and power ports available.



Figure 3: Detailed breakdown of the 210W total output, showing individual power delivery for each port type.

5. Setup and Installation

1. **Prepare the Installation Area:** Choose a suitable location in your vehicle for the main splitter unit. Consider accessibility for plugging in devices and cable management.
2. **Attach the Main Unit:** Use the provided Velcro adhesive pad to securely attach the main splitter unit to a flat, clean surface in your car. Ensure the surface is dry and free of dust for optimal adhesion.
3. **Connect to Vehicle Power:** Insert the cigarette lighter plug of the splitter into your vehicle's 12V/24V power outlet. Ensure it is firmly seated.
4. **Verify Power:** The LED voltage display on the cigarette lighter plug will illuminate, showing your car battery's current voltage.



Figure 4: The splitter unit securely mounted with Velcro, demonstrating its compact design and multiple connected devices.

6. Operating Instructions

6.1 Powering On/Off

- Once the main cigarette lighter plug is inserted into your vehicle's power outlet, the LED voltage display will show the current battery voltage.
- Each of the three cigarette lighter sockets on the main unit has an independent on/off button located above it. Press the button to activate or deactivate the corresponding socket. An illuminated indicator light confirms the socket is active.



Figure 5: Demonstrating the independent power buttons for each cigarette lighter socket.

6.2 Charging Devices

- Connect your devices to the appropriate USB (QC 3.0, PD, or standard USB) or cigarette lighter sockets.
- The device intelligently recognizes the connected device and delivers optimal charging current.
- For fast charging, ensure your device and charging cable support QC 3.0 or PD protocols.

6.3 Voltage Monitoring

- The LED display on the main plug continuously shows your vehicle's battery voltage.
- **Normal Voltage Range:**
  - 12V vehicles: 11.5V to 14.9V
  - 24V vehicles: 23.1V to 27.3V
- If the voltage falls outside these ranges, the LED display will flash to alert you, indicating a potential issue with your vehicle's battery or charging system.



Figure 6: Examples of devices compatible with the splitter, including dash cams, GPS, phones, and car refrigerators.

7. Maintenance

- **Cleaning:** Use a dry, soft cloth to clean the device. Do not use liquid cleaners or aerosols.

- **Fuse Replacement:** If the device stops functioning, the fuse may have blown. Unplug the device, carefully open the fuse compartment on the cigarette lighter plug, and replace the old fuse with one of the provided spare fuses (15A). Ensure the replacement fuse has the correct amperage.
- **Storage:** When not in use for extended periods, unplug the device and store it in a cool, dry place away from direct sunlight.

8. Troubleshooting

- **Device Not Powering On:**
  - Ensure the cigarette lighter plug is fully and securely inserted into the vehicle's power outlet.
  - Check the vehicle's fuse box for a blown fuse related to the cigarette lighter socket.
  - Check and replace the device's internal fuse if it is blown.
- **Slow Charging:**
  - Ensure your device and cable support fast charging (QC 3.0 or PD).
  - Verify that the total power consumption of all connected devices does not exceed 210W.
- **LED Voltage Display Flashing:**
  - This indicates your vehicle's battery voltage is outside the normal operating range. Consult your vehicle's manual or a mechanic if this persists.

9. Specifications

Feature	Specification
Model Number	JR-CL06
Input Voltage	DC 12V-24V
Total Output Power	210W (Max)
Cigarette Lighter Sockets	3 (Max 120W per socket)
USB-C (PD) Output	36W
USB-A (QC 3.0) Output	2 x 18W
Standard USB Output	3 x (Total Max 18W)
Cable Length	3.3 FT (1 meter)
Dimensions	4.8 x 2.7 x 1.24 inches
Item Weight	8.8 ounces
Safety Certifications	CE, FCC, RoHS



Figure 7: Detailed dimensions of the splitter unit and its main plug.

10. Warranty and Support

JOYROOM provides a standard manufacturer's warranty for this product. For specific warranty details, please refer to the warranty card included in your product packaging or contact JOYROOM customer support directly. If you encounter any issues or have questions regarding your device, please reach out to our customer service team for assistance.

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