JOYROOM JR-CCL01

JOYROOM 7-in-1 Cigarette Lighter Adapter User Manual

Model: JR-CCL01

Product Overview

The JOYROOM 7-in-1 Cigarette Lighter Adapter is a versatile car accessory designed to expand your vehicle's power capabilities. It features multiple charging ports and cigarette lighter sockets, providing a total output of 179W. This adapter is suitable for 12V/24V vehicles and can simultaneously charge up to 7 devices, including smartphones, GPS devices, dash cams, and more.



Figure 1: Overview of the JOYROOM 7-in-1 Cigarette Lighter Adapter, showing the main unit with three cigarette lighter sockets and USB ports, connected to the car plug with a digital display.

Key Features

- **179W Total Output:** Equipped with 4 charging ports (1x PD30W USB-C, 3x USB-A) and 3 cigarette lighter adapter sockets.
- **Super Fast PD30W Charging:** Provides rapid charging for compatible devices, 3 times faster than standard PD20W.

- **Independent Power Switches:** Each cigarette lighter socket has its own switch for individual control, extending product lifespan and convenience.
- **LED Voltage Display:** Monitors your car battery's real-time voltage, indicating its health.
- **Wide Compatibility:** Supports a broad range of devices including GPS, Dash Cams, Vacuum Cleaners, Car Fridges, and various mobile phones.
- **Built-in Safety Protections:** Features over-voltage, over-current, short-circuit, and over-temperature protection.

Package Contents

Upon opening the package, please verify that all items listed below are present and in good condition:

- 1 x JOYROOM Cigarette Lighter USB Charger
- 1 x User Manual (this document)
- 1 x Velcro adhesive strip
- 1 x Spare Fuse

Setup and Installation

Follow these steps to properly set up and install your JOYROOM Cigarette Lighter Adapter:

1. **Identify Vehicle's Cigarette Lighter Socket:** Locate the 12V or 24V cigarette lighter (power outlet) in your vehicle.
2. **Insert the Adapter Plug:** Firmly insert the adapter's main plug into your vehicle's cigarette lighter socket. Ensure it is fully seated for a stable connection. The LED voltage display on the plug will illuminate, showing your car battery's current voltage.
3. **Position the Main Unit:** Place the main splitter unit in a convenient location within your vehicle. The unit comes with a 3.3ft cable, allowing for flexible placement.
4. **Secure the Main Unit (Optional):** Use the provided Velcro adhesive strip to secure the main unit to a flat, clean surface in your car, such as the dashboard or center console, to prevent it from moving during driving.
5. **Connect Devices:** Plug your devices into the available USB ports (USB-A or USB-C PD30W) or the 12V/24V cigarette lighter sockets on the main unit.



Figure 2: The 7-in-1 Car Charger Adapter in use, demonstrating how multiple devices can be connected simultaneously.

Operating Instructions

This section details how to operate your JOYROOM Cigarette Lighter Adapter effectively.

Powering On/Off Individual Sockets

Each of the three cigarette lighter sockets on the main unit is equipped with an independent power switch. This allows you to control power to specific devices without unplugging them.

- To turn on a socket, press the corresponding button above it. The button will illuminate to indicate the socket is active.
- To turn off a socket, press the button again. The illumination will turn off, indicating the socket is no longer receiving power.



Figure 3: The independent buttons (Switch 1, Switch 2, Switch 3) for controlling each cigarette lighter socket.

Using USB Charging Ports

The adapter includes one PD30W USB-C port and three USB-A ports (two on the main unit, one on the car plug). These ports are always active when the main plug is inserted into the car's cigarette lighter socket.

- For fast charging compatible devices, use the PD30W USB-C port.
- For standard charging, use the USB-A ports.



Figure 4: Illustration of the 179W total output, including 120W max per cigarette lighter socket and 17W max from the USB ports on the main unit, plus PD30W from the car plug.

Monitoring Car Battery Voltage

The LED display on the car plug continuously shows your vehicle's battery voltage. This feature helps you monitor the battery's health and prevent unexpected power issues.

- For 12V vehicles, a normal voltage range is typically 11.5V to 14.9V.
- For 24V vehicles, a normal voltage range is typically 23.1V to 27.3V.
- If the voltage falls outside these ranges, it may indicate a problem with your car battery or charging system. Consult a professional if you observe consistent abnormal readings.

Maintenance and Care

Proper maintenance ensures the longevity and optimal performance of your JOYROOM Cigarette Lighter Adapter.

- **Cleaning:** Use a soft, dry cloth to wipe the surface of the adapter. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, unplug the adapter from the car's cigarette lighter socket and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Fuse Replacement:** The unit contains a replaceable fuse for protection against power surges. If the adapter stops working, the fuse may need replacement. A spare fuse is included in the package.
    - To replace the fuse, carefully open the fuse compartment (refer to the diagram if available, typically on the main unit or car plug).
    - Remove the old fuse and insert the new one of the same rating.
    - Ensure the compartment is securely closed before re-using the adapter.
- **Avoid Overloading:** Do not exceed the maximum power output of 179W total or 120W per single cigarette lighter socket. Overloading can damage the adapter and connected devices.



Figure 5: The adapter's safety protection features, including the internal fuse, which is crucial for maintenance.

Troubleshooting

If you encounter issues with your JOYROOM Cigarette Lighter Adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Adapter not powering on / No LED display	Loose connection in car socket. Vehicle's cigarette lighter socket is faulty. Blown fuse in the adapter or vehicle. Vehicle battery is dead or very low.	Ensure the adapter plug is firmly inserted. Test the vehicle's socket with another device. Check and replace the adapter's fuse if blown. Check vehicle's fuse box. Check vehicle battery voltage on the adapter's display. If too low, charge or replace battery.
Devices not charging or charging slowly	Cable issue. Device not compatible with fast charging. Overloaded ports/sockets. Independent switch is off.	Try a different charging cable. Ensure device supports PD30W for fast charging. Reduce the number of connected devices or their power draw. Ensure the independent switch for the specific socket is pressed and illuminated.
Adapter gets hot during use	Normal operation under heavy load. Overloading.	Slight warmth is normal. If excessively hot, unplug devices and reduce load. Ensure proper ventilation around the unit.
Voltage display shows abnormal readings	Car battery issue. Alternator issue.	Consult a car mechanic to check your vehicle's battery and charging system.

If the problem persists after trying these solutions, please contact JOYROOM customer support.

SPECIFICATIONS

Detailed technical specifications for the JOYROOM 7-in-1 Cigarette Lighter Adapter:

Feature	Detail
Model Number	JR-CCL01
Input Voltage	DC 12V / 24V
Total Output Power	179W Max
Cigarette Lighter Sockets	3 (120W Max per socket)
USB-C Output	PD30W (on car plug)

Feature	Detail
USB-A Output (Car Plug)	12W / 2.4A
USB-A Output (Main Unit)	2 ports, 17W / 3.4A Max total
Cable Length	3.3 feet
Product Dimensions	Main Unit: 4.8 x 2.3 x 1.24 inches; Car Plug: 3.0 x 1.0 x 1.9 inches
Item Weight	8.1 ounces
Special Features	LED Voltage Display, Independent Switches, Fast Charging, Short Circuit Protection, Over-Voltage Protection, Over-Current Protection, Over-Temperature Protection, Fire-Resistance
Included Components	Cigarette Lighter USB Charger, User Manual, Velcro, Spare Fuse



Figure 6: Detailed dimensions of the adapter's main unit and car plug.

Warranty and Support

JOYROOM is committed to providing high-quality products and excellent customer service.

Customer Support

If you encounter any issues with your JOYROOM Cigarette Lighter Adapter, or if you have questions regarding its operation or features, please do not hesitate to contact our customer support team. We are dedicated to finding the best solution for you.

For assistance, please visit the official JOYROOM website or contact us through the platform where you purchased the product. Please have your model number (JR-CCL01) and purchase details ready when contacting support.
Note: Specific warranty terms and conditions may vary by region and retailer. Please refer to your purchase documentation for detailed warranty information.

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Example: How do I reset this device or fix this error?

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