joyroom D-M229

joyroom D-M229 Portable Car Jump Starter User Manual

Model: D-M229

1. Introduction

This manual provides detailed instructions for the safe and effective use of your joyroom D-M229 Portable Car Jump Starter. This device is designed to jump-start vehicles with dead batteries and serve as a portable power bank for electronic devices. Please read this manual thoroughly before operation and retain it for future reference.



Image 1.1: joyroom D-M229 Portable Car Jump Starter with smart jumper cables.

2. Product Overview

The joyroom D-M229 is a versatile device featuring multiple functions:

- **Vehicle Jump Starter:** Capable of starting gasoline engines up to 7.0L and diesel engines up to 5.5L.
- **Portable Power Bank:** Equipped with QC 3.0 USB and standard USB outputs for charging mobile phones, tablets, and other USB-powered devices.
- **LED Flashlight:** Integrated flashlight with multiple modes (Strong, SOS, Strobe) for emergency situations.
- **Advanced Safety Protection:** Features over-current, overload, over-voltage, over-charge, and high-temperature protection.



Image 2.1: Diagram of the joyroom D-M229 with labeled components including Jump Start Port, Power Button, QC3.0 USB Output, LED Flashlight, Input (Type-C Port), USB Output, and LCD Screen.

Package Contents:

- 1 x JOYROOM Car Jump Starter (D-M229)
- 1 x Smart Jumper Clamp
- 1 x USB-C Cable
- 1 x User Manual

3. Specifications

Feature	Specification
Model	D-M229

Feature	Specification
Battery Type	Lithium-ion Polymer Cell
Battery Capacity	15000mAh / 55.5Wh
Peak Current	800A
Start Current	500A
Input (Type-C)	5V/2A, 9V/2A, 12V/1.5A
Output (EC5)	12V (Jump Start)
Output (USB1)	5V/2.1A
Output (QC3.0)	5V/2.4A, 9V/2A, 12V/1.5A
Item Dimensions	15.49 x 7.87 x 3.4 cm (6.1 x 3.1 x 1.34 inches)
Item Weight	396.89 g (14 oz)
Engine Compatibility	Up to 7L Gasoline, 5.5L Diesel
Safety Certifications	UL 2743 Certified, CE / FCC / RoHs

4. Setup and Initial Charging

Before first use, fully charge the jump starter. It is recommended to charge the device every 3-6 months to maintain battery health, even if not in use.

1. **Connect the USB-C Cable:** Plug the provided USB-C cable into the Type-C input port on the jump starter.
2. **Connect to Power Source:** Connect the other end of the USB-C cable to a 5V/2A, 9V/2A, or 12V/1.5A USB wall adapter (not included).
3. **Monitor Charging:** The LCD screen will indicate the charging status. The device is fully charged when the screen shows 100%.

5. Operating Instructions

5.1. Jump Starting a Vehicle

Ensure the jump starter is at least 50% charged before attempting to jump-start a vehicle. Follow these steps carefully:

1. **Connect Jumper Cables to Jump Starter:** Insert the blue plug of the smart jumper clamp into the 12V EC5 jump start port on the jump starter. Ensure a secure connection.
2. **Connect Clamps to Car Battery:**
    - Connect the **RED** positive (+) clamp to the positive (+) terminal of the car battery.
    - Connect the **BLACK** negative (-) clamp to the negative (-) terminal of the car battery.

    The smart clamp indicator light will show its status. Refer to the smart clamp's manual for specific light indications.
3. **Start the Vehicle:** Once the clamps are correctly connected and the smart clamp indicates readiness, turn on the jump starter (if it doesn't activate automatically) and then start your vehicle's engine.

4. **Remove Clamps:** After the vehicle starts, immediately remove the smart jumper clamps from the car battery terminals, then disconnect the smart clamp from the jump starter.



Image 5.1: Illustration of connecting the joyroom jump starter to a car battery for jump-starting.

Important Safety Notes:

- Do not touch the red and black clamps together.
- Do not attempt to jump-start a frozen battery.
- If the engine does not start on the first attempt, wait at least 30 seconds before trying again.
- Disconnect the jump starter within 30 seconds after the vehicle starts.

5.2. Charging Electronic Devices

The jump starter can also function as a power bank for your electronic devices.

1. **Connect USB Cable:** Use a compatible USB charging cable for your device.

2. **Plug into Output Port:** Plug the USB cable into either the USB1 (5V/2.1A) or QC3.0 USB2 (5V/2.4A, 9V/2A, 12V/1.5A) output port on the jump starter.
3. **Connect to Device:** Connect the other end of the cable to your electronic device. Charging will begin automatically.



Image 5.2: The joyroom D-M229 jump starter providing power to various electronic devices via its USB ports.

5.3. Using the LED Flashlight

The integrated LED flashlight has three modes:

1. **Turn On/Off:** Press and hold the power button for 3 seconds to turn on the flashlight (Strong mode). Press and hold again to turn it off.
2. **Change Modes:** While the flashlight is on, short press the power button to cycle through modes: Strong → SOS → Strobe.



Image 5.3: The joyroom D-M229 jump starter's LED flashlight in use, illustrating its strong, SOS, and strobe modes.

6. Maintenance

- **Storage:** Store the jump starter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging:** Recharge the device every 3-6 months to prevent deep discharge and prolong battery life.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Do not disassemble the unit. Improper handling can lead to fire, explosion, or injury.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is completely discharged.	Charge the jump starter fully.
Vehicle does not start.	• Incorrect clamp connection. • Jump starter battery too low. • Vehicle battery severely damaged. • Engine size exceeds jump starter capacity.	• Ensure clamps are connected correctly (red to +, black to -). • Recharge the jump starter to at least 50%. • Consult a mechanic. • Verify engine displacement is within specified limits (7L Gas, 5.5L Diesel).
Smart clamp indicator shows error.	Reverse polarity, short circuit, or other safety trigger.	Disconnect clamps, check connections, and re-attempt. Refer to smart clamp manual for specific error codes.
Electronic devices not charging.	• Jump starter battery too low. • Faulty USB cable. • Device not compatible.	• Charge the jump starter. • Try a different USB cable. • Ensure device is USB-chargeable.

8. Warranty and Support

All JOYROOM jump starters come with a**36-month warranty** and lifetime technology support. For warranty claims or technical assistance, please contact JOYROOM customer service with your purchase details.
Please retain your proof of purchase for warranty validation.

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