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## VOLTCRAFT VC-CJS77

# Voltcraft VC-CJS77 4-in-1 Jump Starter User Manual

Model: VC-CJS77 / VC-16533725

## 1. INTRODUCTION

Thank you for choosing the Voltcraft VC-CJS77 4-in-1 Jump Starter. This versatile device combines a powerful jump starter for vehicles, an air compressor for tires, a bright LED work light, and a portable power bank for charging electronic devices. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read it thoroughly before first use and keep it for future reference.

## 2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the device and vehicle:

- Read all instructions carefully before use.
- Wear eye protection and protective gloves when operating the jump starter.
- Ensure adequate ventilation when jump-starting a vehicle.
- Do not smoke or allow sparks or flames near the battery or jump starter.
- Connect the clamps to the correct polarity: **RED** clamp to the positive (+) terminal, **BLACK** clamp to the negative (-) terminal or vehicle chassis.
- Do not allow the red and black clamps to touch each other.
- Keep the device away from children.
- Do not expose the device to rain or extreme temperatures.
- If the device becomes excessively hot during use, discontinue operation immediately.
- Do not attempt to jump-start a frozen battery.
- Disconnect the clamps from the vehicle battery within 30 seconds after the vehicle starts.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Voltcraft VC-CJS77 4-in-1 Jump Starter Unit
- Jump Starter Cables with Polar Clamps

- Air Hose for Compressor
- 3 Valve Adapters (for various inflatables)
- USB-C to USB-C Cable (45 cm)
- USB-A to USB-C Cable (45 cm)
- Storage Bag
- User Manual

## 4. PRODUCT OVERVIEW

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Familiarize yourself with the components of your Voltcraft VC-CJS77 unit.



**Figure 4.1:** Front view of the Voltcraft VC-CJS77 unit, displaying the digital screen with battery percentage, input/output indicators, and control buttons.



**Figure 4.2:** Side view of the Voltcraft VC-CJS77, highlighting the various input and output ports for charging and power delivery, including USB-A and USB-C, and the dedicated jump starter port.

## Key Components:

- **Digital Display:** Shows battery level, output status, and compressor pressure.
- **Power Button:** Turns the unit on/off.
- **BOOST Button:** For emergency jump-starting when vehicle battery is extremely low.
- **USB-A Output Ports (2x):** For charging smartphones, tablets, and other USB-powered devices.
- **USB-C Input/Output Port:** For charging the jump starter unit and also for charging other devices.
- **Jump Starter Port:** Connects to the jump starter cables.
- **Air Compressor Port:** Connects to the air hose for inflation.
- **LED Work Light:** Provides illumination with multiple modes.

## 5. SETUP AND INITIAL CHARGING

Before using your Voltcraft VC-CJS77 for the first time, it is recommended to fully charge the unit.

### 5.1 Charging the Jump Starter Unit

1. Connect the supplied USB-C to USB-C cable or USB-A to USB-C cable to the USB-C Input/Output port on the jump starter.
2. Connect the other end of the cable to a suitable USB wall adapter (not included) or a powered USB port.
3. The digital display will show the charging progress. Charge until the display indicates 100%.

4. Once fully charged, disconnect the charging cable.

For optimal performance and battery longevity, recharge the unit every 3-6 months, even if not in use.

## 6. OPERATING THE JUMP STARTER

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The Voltcraft VC-CJS77 is designed to jump-start 12V vehicles with petrol engines up to 8.0 liters and diesel engines up to 6.0 liters.

### 6.1 Jump-Starting a Vehicle

1. Ensure the jump starter unit is at least 75% charged.
2. Turn off the vehicle's ignition and all accessories (lights, radio, etc.).
3. Connect the blue end of the jump starter cables to the jump starter port on the VC-CJS77 unit.
4. Connect the **RED** positive (+) clamp to the positive (+) terminal of the vehicle's battery.
5. Connect the **BLACK** negative (-) clamp to the negative (-) terminal of the vehicle's battery or a solid, unpainted metal part of the vehicle's chassis away from the battery.
6. Once connected, the jump starter's display may show a voltage reading. If the vehicle battery is extremely low, press the **BOOST** button on the unit. Wait for the indicator to confirm it's ready.
7. Start the vehicle's engine. If it doesn't start immediately, wait 30 seconds before trying again. Do not crank for more than 3 seconds per attempt.
8. Once the vehicle starts, immediately disconnect the **BLACK** clamp first, then the **RED** clamp from the vehicle battery.
9. Disconnect the jump starter cables from the VC-CJS77 unit.

**Important:** Do not leave the jump starter connected to the vehicle battery for more than 30 seconds after the engine starts.

## 7. OPERATING THE AIR COMPRESSOR

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The integrated air compressor can inflate tires and other inflatables up to a maximum pressure of 11 bar (approximately 160 PSI).

### 7.1 Inflating Tires or Inflatables

1. Connect the air hose to the air compressor port on the VC-CJS77 unit.
2. Attach the appropriate valve adapter to the air hose, if necessary, and then to the item you wish to inflate.
3. Turn on the jump starter unit. The display will show the current pressure.
4. Use the '+' and '-' buttons to set the desired target pressure (PSI, BAR, KPA, kg/cm<sup>2</sup>).
5. Press the compressor start button (usually indicated by a tire icon) to begin inflation.
6. The compressor will automatically stop once the preset pressure is reached.
7. Disconnect the air hose from the item and the jump starter unit.

**Note:** The compressor may become warm during extended use. Allow it to cool down if necessary.

## 8. USING THE LED LIGHT

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The VC-CJS77 features a multi-mode LED work light for illumination in various situations.



Figure 8.1: The Voltcraft VC-CJS77 unit with its powerful LED flashlight activated, providing illumination.

## 8.1 Activating the LED Light

1. Press and hold the LED light button (usually indicated by a light bulb icon) to turn on the light in its steady mode.
2. Press the button again to cycle through the different modes: steady light, SOS signal, and strobe/flash.
3. Press and hold the button again to turn off the LED light.

## 9. USING AS A POWER BANK

The VC-CJS77 can also serve as a portable power bank to charge your electronic devices.

### 9.1 Charging External Devices

1. Connect your device's charging cable to one of the USB-A output ports or the USB-C input/output port on the jump starter.
2. The jump starter will automatically begin charging your device. The display may show 'OUT' and the power output.
3. Disconnect your device once charging is complete.

The unit supports PD65W fast charging via the USB-C port, allowing for quick charging of compatible devices.

## 10. MAINTENANCE

Proper maintenance ensures the longevity and reliability of your Voltcraft VC-CJS77.

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided storage bag for protection.
- **Recharging:** Recharge the unit every 3-6 months to maintain battery health, even if it has not been used.
- **Cable Care:** Inspect jump starter cables and air hose for any damage before each use. Replace if frayed or damaged.

## 11. TROUBLESHOOTING

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If you encounter issues with your Voltcraft VC-CJS77, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Vehicle does not start after jump-starting.	Low charge on jump starter; incorrect clamp connection; vehicle battery completely dead; vehicle issue.	Ensure jump starter is fully charged. Check clamp connections for correct polarity and secure contact. Try pressing the BOOST button. If still no start, the vehicle may have other mechanical issues.
Air compressor not inflating.	Air hose not securely connected; incorrect pressure setting; unit not powered on.	Check all connections. Ensure the unit is powered on and the target pressure is set correctly.
Unit not charging.	Faulty charging cable; faulty wall adapter; USB-C port issue.	Try a different USB-C cable and/or wall adapter. Ensure the cable is fully inserted into the port.
LED light not working.	Unit not powered on; low battery.	Ensure the unit is powered on and has sufficient charge.

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

## 12. SPECIFICATIONS

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Technical specifications for the Voltcraft VC-CJS77 Jump Starter:

- **Model:** VC-CJS77 (Manufacturer Part Number: VC-16533725)
- **Brand:** VOLTCRAFT
- **Battery Capacity:** 16000 mAh (12V)
- **Peak Current:** 1200 A
- **Engine Compatibility:** Up to 8.0L Petrol, Up to 6.0L Diesel
- **USB-C Input/Output:** PD65W Fast Charging
- **USB-A Output:** 2x ports
- **Air Compressor Max Pressure:** 11 bar (approx. 160 PSI)
- **LED Functions:** Steady Light, SOS, Flash
- **Dimensions (L x W x H):** 23.5 x 6.7 x 11.5 cm
- **Weight:** 1.81 kg

## 13. WARRANTY AND SUPPORT

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Your Voltcraft VC-CJS77 Jump Starter is covered by a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, service, or warranty claims, please contact your retailer or the official Voltcraft customer service. Contact information can typically be found on the Voltcraft website or on your purchase documentation.