FLYLINKTECH CF700

FLYLINKTECH CF700 Jump Starter and Tire Inflator User Manual

Model: CF700 | Brand: FLYLINKTECH

INTRODUCTION

Thank you for choosing the FLYLINKTECH CF700 Multi-functional Jump Starter and Tire Inflator. This device is designed to provide reliable assistance for vehicle emergencies, including jump-starting dead batteries, inflating tires, and serving as a portable power bank. Please read this manual thoroughly before use to ensure safe and optimal operation.

IMPORTANT SAFETY INSTRUCTIONS

Failure to follow these instructions may result in electric shock, fire, and/or serious injury. Save these instructions for future reference.

- Always wear safety glasses and protective gloves when operating the jump starter.

- Do not jump start a frozen battery.

- Ensure the vehicle is in park (P) or neutral (N) and the parking brake is engaged.

- Keep children and unauthorized persons away from the work area.

- Do not connect the positive (+) and negative (-) clamps together.

- Do not expose the device to rain or wet conditions.

- Do not disassemble the unit. Refer all servicing to qualified personnel.

- Store the device in a cool, dry place away from direct sunlight and heat.

- The device contains a lithium-ion battery. Dispose of it according to local regulations.

PACKAGE CONTENTS

Verify that all items are present in your package:

- FLYLINKTECH CF700 Jump Starter and Tire Inflator

- Smart Clamps with 8 Protections

- USB to Type-C Cable

- DC Adapter
- 3 x Valve Adapters (for various inflatables)
- User Manual (this document)
- Storage Bag

Figure 1: Package Contents. The image displays the main unit, smart clamps, USB-C cable, DC adapter, three valve adapters, and a user manual, all neatly arranged with a storage bag.

PRODUCT OVERVIEW

Familiarize yourself with the different parts and functions of your FLYLINKTECH CF700 device.

Figure 2: Product Side View. This image highlights the various ports and controls on the side of the device, including USB outputs, Type-C input, EC5 output port, power button, LCD power indicator, LCD air pressure display, and ON/OFF button.

- **DC 12V-16V/10A Output Port:** For powering 12V car accessories.
- **USB Output Ports (QC3.0 & 2.4A):** For charging mobile phones, tablets, and other USB-powered devices.
- **Type-C Input Port:** For recharging the CF700 unit.
- **EC5 Output Port:** For connecting the smart jump starter clamps.
- **Power Button:** To turn the unit on/off and cycle through LED light modes.
- **LCD Power Indicator:** Displays the remaining battery charge.
- **LCD Air Pressure Display:** Shows current and target tire pressure.
- **ON/OFF Button (for Air Compressor):** Activates and deactivates the tire inflator.
- **LED Emergency Light:** Provides illumination with Stable, SOS, and Strobe modes.

SPECIFICATIONS

Feature	Specification
Model	CF700
Peak Current	2500A
Battery Capacity	24000mAh
Vehicle Service Type	Car, Motorcycle, SUV, Scooter, Truck, Tractor
Engine Compatibility	Up to All Gasoline Engines, Up to 8.0L Diesel Engines
Tire Inflator Pressure	Max 150 PSI (0.3~10.3 BAR)
USB Output 1 (QC3.0)	5V/3A, 9V/2A, 12V/1.5A
USB Output 2	5V/2.4A
DC Output	12V-16V/10A

Feature	Specification
LED Light Power	5W
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions (L x W x H)	Approx. 22 x 17 x 9 cm (8.7 x 6.7 x 3.5 inches)
Weight	Approx. 1.5 kg (3.3 lbs)

CHARGING THE DEVICE

Before first use, fully charge the FLYLINKTECH CF700. It takes approximately 5 hours to fully charge using a fast charger.

1. Connect the USB to Type-C cable to the Type-C input port on the CF700.
2. Connect the other end of the USB cable to a USB wall adapter (not included) or a car charger.
3. The LCD power indicator will show the charging progress. The device is fully charged when the indicator shows 100%.

It is recommended to recharge the unit every 3-6 months to maintain battery health, even if not in use.

JUMP STARTING A VEHICLE

The CF700 can jump start 12V vehicles with up to all gasoline engines and 8.0L diesel engines.

Figure 3: Jump Starting a Vehicle. The image shows the CF700 unit with its smart clamps connected to a car battery, ready to initiate a jump start.

1. Ensure the CF700 is sufficiently charged (at least 50% recommended).

2. Turn off the vehicle's ignition and all accessories (lights, radio, etc.).

3. Insert the smart clamp cable into the EC5 output port of the CF700. The indicator light on the smart clamp will flash green and red.

4. Connect the **RED** positive (+) clamp to the vehicle's positive (+) battery terminal.

5. Connect the **BLACK** negative (-) clamp to the vehicle's negative (-) battery terminal or a solid metal part of the engine block (unpainted).

6. Once the clamps are correctly connected, the indicator light on the smart clamp will turn solid green. If it flashes red, check the connections.

7. Start the vehicle's engine.

8. Once the engine starts, immediately remove the smart clamps from the vehicle battery, first the negative (-) clamp, then the positive (+) clamp.

9. Disconnect the smart clamp cable from the CF700.

Note: If the vehicle does not start after 3 attempts, stop and check for other potential issues with the vehicle.

Figure 4: Smart Protection System. This image illustrates the smart clamps and their integrated safety features, including short circuit protection, high temperature protection, reverse connection protection, low-temperature protection, surge voltage protection, high voltage protection, high temperature protection, and over discharge protection.

USING THE TIRE INFLATOR

The integrated air compressor can inflate tires up to 150 PSI and features an automatic shut-off function.

Figure 5: Tire Inflation. The CF700 is shown connected to a car tire valve, actively inflating it, with the digital display visible.

1. Connect the air hose to the tire valve stem. Ensure it is securely tightened to prevent air leakage.

2. Press the power button on the CF700 to turn on the unit. The LCD air pressure display will show the current tire pressure.

3. Use the '+' and '-' buttons to set the desired target pressure. The unit supports PSI, BAR, KPA, and KG/CM².

4. Press the ON/OFF button for the air compressor to start inflation.

5. The compressor will automatically stop once the preset pressure is reached.

6. Disconnect the air hose from the tire valve.

Use the included valve adapters for inflating bicycles, balls, and other inflatables.

USING AS A POWER BANK

The 24000mAh capacity allows you to charge various electronic devices.

Figure 6: Portable Power Bank Function. The image shows the CF700 connected via USB cables to charge a laptop and a smartphone, demonstrating its power bank capability.

- **USB Charging:** Connect your device's USB charging cable to either of the USB output ports (USB 1 QC3.0 or USB 2 2.4A) on the CF700. The device will begin charging automatically.

- **DC Output:** For 12V car accessories, connect the accessory to the DC 12V-16V/10A output port. Ensure the accessory's power requirements do not exceed 10A.

USING THE LED EMERGENCY LIGHT

The 5W LED light provides illumination for various situations.

Figure 7: Emergency LED Light. The CF700 is depicted with its powerful LED light activated, illuminating a dark outdoor setting, useful for night-time operations or emergencies.

1. Press and hold the power button for approximately 3 seconds to turn on the LED light in Stable mode.

2. Press the power button again to cycle through the light modes: Stable → SOS → Strobe → Off.

3. To turn off the light directly from any mode, press and hold the power button for 3 seconds.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Battery is completely discharged.	Charge the device fully.
Vehicle does not jump start.	Incorrect clamp connection; Device battery too low; Vehicle battery severely damaged.	Check clamp connections (solid green light on smart clamp); Recharge CF700; Consult a mechanic.
Smart clamp indicator flashes red.	Reverse polarity connection; Short circuit; Over-temperature.	Disconnect clamps and reconnect correctly; Check for short circuits; Allow device to cool down.
Tire inflator does not start or stops prematurely.	Air hose not securely connected; Target pressure already reached; Device battery too low.	Ensure hose is tight; Check current pressure; Recharge CF700.
USB devices not charging.	Device battery too low; Cable issue; Device not compatible.	Recharge CF700; Try a different USB cable; Check device compatibility.

MAINTENANCE AND STORAGE

- Clean the device with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.

- Store the CF700 in its storage bag in a cool, dry place between -20°C and 60°C (-4°F and 140°F).

- Avoid storing the device in direct sunlight or near heat sources.

- For optimal battery life, recharge the unit every 3-6 months, even if not used.

WARRANTY AND SUPPORT

FLYLINKTECH products are designed and manufactured to the highest quality standards. For warranty information or technical support, please refer to the contact details provided on the product packaging or the official FLYLINKTECH website. Please have your model number (CF700) and purchase date available when contacting support.