

## FERVE F-2124

# Ferve F-2124 Booster Jump Starter 12-24V Instruction Manual

Model: F-2124

## 1. INTRODUCTION

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This manual provides essential instructions for the safe and effective operation and maintenance of your Ferve F-2124 Booster Jump Starter. This device is designed to provide emergency starting power for vehicles with 12V and 24V electrical systems. It features protective clamps to prevent misuse, an integrated charger, and is mounted on a sturdy metal housing with wheels for easy transport.

## 2. SAFETY INSTRUCTIONS

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Read all safety warnings and instructions before using the jump starter. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always wear eye protection and protective clothing when working with batteries.
- Ensure the work area is well-ventilated.
- Do not smoke or allow sparks or flames in the vicinity of the battery or jump starter.
- Keep children and unauthorized persons away from the jump starter during operation.
- Never connect the positive (+) and negative (-) clamps together.
- Do not attempt to jump start a frozen battery.
- Ensure the vehicle's ignition is off before connecting the jump starter.
- Refer to your vehicle's owner's manual for specific jump-starting procedures.
- If battery acid comes into contact with skin or eyes, flush immediately with water and seek medical attention.

## 3. PRODUCT OVERVIEW

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The Ferve F-2124 is a robust and portable jump starter designed for various vehicle types. Key features include:

- High starting current: 1200 Amperes (3000A peak) for 12V systems, and 600 Amperes (1500A peak) for 24V systems.

- Fully protected clamps for enhanced safety and prevention of incorrect connections.
- Heavy-duty cables with a length of 1.65 meters for flexible positioning.
- Integrated battery charger for convenient recharging of the internal battery.
- Sturdy metal housing with integrated wheels and a handle for easy transport and maneuverability.





Image showing the Ferve F-2124 Booster Jump Starter, a portable unit with a robust casing, integrated wheels, and heavy-duty jump starter cables with protective clamps.

## 4. SETUP

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Before first use, ensure the internal battery of the Ferve F-2124 is fully charged. Connect the integrated charger to a standard electrical outlet and allow it to charge until the charge indicator shows full. This may take several hours.

1. Unpack the jump starter and inspect for any damage.
2. Locate the integrated charging cable.
3. Plug the charging cable into a suitable AC power outlet.
4. Monitor the charge indicator. The unit is ready for use once fully charged.

## 5. OPERATING INSTRUCTIONS

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Follow these steps carefully to jump start a vehicle. Always ensure the jump starter is set to the correct voltage (12V or 24V) for the vehicle's battery.

### 5.1. Preparing for Jump Start

1. Park the jump starter on a stable, level surface near the vehicle.
2. Ensure the vehicle's ignition is off and all accessories (lights, radio, etc.) are turned off.
3. Identify the vehicle's battery terminals (positive + and negative -).
4. Set the voltage selector on the Ferve F-2124 to match the vehicle's battery voltage (12V or 24V).

### 5.2. Connecting the Jump Starter

1. Connect the **RED** positive (+) clamp to the positive (+) terminal of the vehicle's battery.
2. Connect the **BLACK** negative (-) clamp to a clean, unpainted metal part of the vehicle's engine block or chassis, away from the battery and fuel lines. *Do not connect directly to the negative battery terminal.*
3. Ensure both clamps have a secure connection.

### 5.3. Starting the Vehicle

1. Once connected, attempt to start the vehicle. Crank the engine for no more than 5 seconds.
2. If the vehicle does not start, wait at least 1 minute before attempting again. Do not exceed three attempts.
3. If the vehicle starts, allow it to run for a few minutes before disconnecting the jump starter.

### 5.4. Disconnecting the Jump Starter

1. First, disconnect the **BLACK** negative (-) clamp from the vehicle's chassis/engine block.
2. Then, disconnect the **RED** positive (+) clamp from the vehicle's battery.
3. Store the clamps securely on the jump starter unit.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and reliability of your Ferve F-2124 Jump Starter.

- **Recharging:** Always recharge the jump starter immediately after each use. For optimal battery life, recharge every 3 months even if not used.
- **Cleaning:** Keep the unit clean and dry. Wipe down the casing and cables with a damp cloth. Do not use harsh chemicals.
- **Storage:** Store the jump starter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Periodically inspect the cables and clamps for any signs of damage, fraying, or corrosion. Replace if necessary.

## 7. TROUBLESHOOTING

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If you encounter issues with your Ferve F-2124, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Vehicle does not start.	Jump starter battery is low. Incorrect voltage setting. Poor clamp connection.	Recharge the jump starter. Verify voltage setting (12V/24V). Ensure clamps are securely attached to clean terminals/chassis.
Jump starter not charging.	Charging cable not properly connected. Faulty power outlet.	Check all charging cable connections. Try a different power outlet.
Unit gets excessively hot.	Overuse or short circuit.	Immediately disconnect the unit. Allow it to cool down. Inspect cables and clamps for damage. Do not use if damage is present.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	FERVE
Model	F-2124
Manufacturer	FERVE, S.A.
Voltage Output	12 Volt, 24 Volt
Starting Current (12V)	1200 Amperes (3000A Peak)
Starting Current (24V)	600 Amperes (1500A Peak)
Cable Length	1.65 meters

Feature	Detail
Product Dimensions (L x W x H)	43 x 24.5 x 52.5 cm
Item Weight	26.4 Kilograms
Assembly Required	No
First Available Date	January 15, 2020

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support, please contact FERVE, S.A. directly. Refer to the product packaging or the official FERVE website for contact details and specific warranty terms applicable to your region.