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Strex SP176

Strex 12V Car Jump Starter User Manual

Model: SP176

1. Introduction

Thank you for choosing the Strex 12V Car Jump Starter. This versatile 4-in-1 device is designed to provide reliable jump-starting for various vehicles, act as a powerful 18000mAh power bank, offer an integrated LED flashlight, and function as an SOS emergency light. This manual provides essential information for safe and effective use, setup, operation, and maintenance of your device.



Image: The Strex 12V Car Jump Starter, showcasing its compact design, smart clamps, and the included storage case.

2. Package Contents

Please check the contents of your package. If any items are missing or damaged, contact customer support.

- Strex 12V Car Jump Starter (Model SP176)
- Smart Jump Cables (Red and Black clamps)
- Wall Charger Plug
- Car Adapter Charger
- 4-in-1 USB Cable (Micro-USB, USB-C, Lightning)
- Laptop Cable with 8 Reducers/Adapters
- Durable Storage Case



Image: The Strex Jump Starter along with all its accessories, neatly organized within the practical storage case.

3. Product Features

The Strex Jump Starter is a multi-functional device designed for various emergency and charging needs:

- **Jump Starter:** Capable of jump-starting vehicles with up to 6.5L gasoline or 5L diesel engines. Provides 1000A peak current.
- **Power Bank:** 18000mAh capacity with two USB output ports (5V/2.1A) to charge smartphones, tablets, laptops, and other portable electronic devices.
- **LED Flashlight:** Built-in super bright LED flashlight for illumination in dark environments.
- **SOS Emergency Light:** Features an SOS strobe function for signaling in emergency situations, visible from a distance for up to 72 hours on a single charge.



Image: Visual representation of the Strex device highlighting its 4-in-1 capabilities: Jump Starter, Power Bank, Flashlight, and SOS Emergency Light.



Image: A detailed diagram illustrating the various components and ports of the Strex Jump Starter, including the LCD display, USB ports, and power button.

4. Setup and Charging

Before first use, fully charge the Strex Jump Starter. It is recommended to keep the device charged above 30% for optimal performance, especially for jump-starting.

4.1 Charging the Jump Starter

1. Connect the wall charger or car adapter to the**INPUT 15V/1A** port on the jump starter.
2. Plug the charger into a power outlet or car's 12V socket.
3. The LCD display will show the charging progress. Charge until the display indicates 100%.
4. Once fully charged, disconnect the charger.

5. Operating Instructions

5.1 Jump Starting a Vehicle

Ensure the jump starter has at least 30% battery charge before attempting to jump start. The device is suitable for various vehicles including cars, scooters, motorcycles, boats, and trucks.



Image: The Strex Jump Starter is compatible with a wide range of vehicles, including cars, motorcycles, boats, and large trucks, capable of starting up to 6.5L gasoline or 5L diesel engines.

1. **Connect the Smart Cables:** Insert the blue plug of the smart jump cables into the **Jumpstart Output** port on the jump starter. Ensure a secure connection.
2. **Connect to Battery:** Attach the **red** clamp to the positive (+) terminal of the vehicle's battery. Attach the **black** clamp to the negative (-) terminal of the vehicle's battery.
3. **Start the Vehicle:** Once the clamps are correctly connected, start the vehicle's engine.
4. **Remove Clamps:** After the engine starts, immediately remove the clamps from the vehicle's battery, then disconnect the smart cables from the jump starter.



Image: A visual step-by-step guide demonstrating the process of jump-starting a vehicle using the Strex Jump Starter, from connecting cables to starting the engine.

5.2 Using as a Power Bank

The 18000mAh power bank function allows you to charge various electronic devices on the go.

1. Connect your device's charging cable (or the included 4-in-1 USB cable/laptop cable) to one of the **OUTPUT 5V/2.1A** USB ports on the jump starter.
2. Connect the other end of the cable to your electronic device (e.g., smartphone, tablet, laptop).
3. The jump starter will automatically begin charging your device.



Image: The Strex Jump Starter functioning as a high-capacity power bank, demonstrating its ability to quickly and easily recharge daily devices such as game consoles, cameras, phones, laptops, and tablets.

5.3 Using the LED Flashlight and SOS Function

The built-in LED flashlight provides illumination, and the SOS function can be used for emergencies.

- To turn on the flashlight, press and hold the flashlight button (usually located near the light).
- Press the button again to cycle through modes (e.g., steady light, strobe, SOS).
- Press and hold again to turn off.



Image: The Strex Jump Starter's integrated LED flashlight illuminating a car engine bay, demonstrating its utility and the SOS mode capability, which can last up to 72 hours.

6. Safety Precautions

The Strex Jump Starter is equipped with multiple safety features to ensure safe operation. Always adhere to the following guidelines:

- Do not short-circuit the jump starter terminals.
- Do not expose the device to extreme temperatures (outside -20°C to 80°C) or direct sunlight for prolonged periods.
- Do not disassemble the unit. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure correct polarity when connecting to a vehicle battery (red to positive, black to negative). The smart cables provide protection against reverse polarity.
- Do not attempt to jump start a vehicle if the jump starter's battery level is below 30%.
- Remove the jump starter from the vehicle battery immediately after the engine starts.

- Store the device in a cool, dry place when not in use.



Image: The smart jump cables feature comprehensive safety protections, including short-circuit protection, overcharge protection, reverse polarity protection, discharge protection, temperature protection, overcurrent protection, load protection, and connection protection.

7. Maintenance

- Recharge the jump starter every 3-6 months, even if not in use, to maintain battery health.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasives.
- Store the jump starter and accessories in the provided storage case to protect them from dust and damage.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device does not turn on.	Battery is completely discharged.	Charge the jump starter fully using the provided charger.
Vehicle does not jump start.	Jump starter battery too low (below 30%). Incorrect clamp connection. Vehicle battery is severely damaged. Vehicle engine size exceeds jump starter capacity.	Ensure jump starter is charged above 30%. Verify red clamp to positive (+), black clamp to negative (-). Consult a professional mechanic. Check product specifications for compatible engine sizes.
Device not charging.	Charger not properly connected. Faulty charger or cable.	Ensure all connections are secure. Try a different charger or cable if available.
USB devices not charging.	USB cable faulty. Device not compatible.	Try a different USB cable. Ensure your device is compatible with 5V/2.1A USB charging.

9. Specifications

Feature	Detail
Product Type	4-in-1 Jump Starter
Brand	Strex
Model Number	SP176
Battery Capacity	18000 mAh
Start Current	300A
Peak Current	1000A
Output Voltage	12V (Jumpstart)
USB Output	5V/2.1A (x2)
Input	15V/1A
Compatible Engine Types	Up to 6.5L Gasoline / 5L Diesel
Operating Temperature	-20°C to 80°C (-4°F to 176°F)
Product Dimensions (L x W x H)	160 x 75 x 30 mm (6.3 x 2.95 x 1.18 inches)
Product Weight	1094 g (2.41 lbs)
Color	Red with Black

10. Warranty and Support

Strex products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your Strex Jump Starter, please refer to the contact information provided with your purchase or visit the official Strex website.

Please retain your proof of purchase for warranty claims.

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