

[Manuals.plus](#) /

› [SERVOMASTER](#) /

› SERVOMASTER Jump Starter with Air Compressor SM16S Instruction Manual

SERVOMASTER SM16S

SERVOMASTER Jump Starter with Air Compressor

MODEL: SM16S INSTRUCTION MANUAL

Brand: SERVOMASTER

Introduction

Thank you for choosing the SERVOMASTER SM16S Jump Starter with Air Compressor. This versatile device is designed to provide reliable emergency power for jump starting vehicles, inflating tires, and charging portable electronic devices. Please read this manual thoroughly before use to ensure safe and optimal operation.

Safety Information

- Always wear safety glasses and gloves when jump starting a battery.
- Do not connect the red and black clamps together.
- Do not jump start a frozen battery.
- Ensure the jump starter is fully charged before use for optimal performance.
- Keep the device away from children.
- Store in a cool, dry place away from direct sunlight and high temperatures.
- Disconnect the jump starter from the vehicle battery within 30 seconds after the vehicle starts.

Package Contents

- SERVOMASTER SM16S Jump Starter with Air Compressor
- Smart Jumper Cables
- Air Hose
- USB-C Charging Cable
- Nozzle Adapters (4 pieces for various inflatables)
- Storage Pouch

Product Overview

The SERVOMASTER SM16S combines multiple essential functions into one compact device:

- **Powerful Jump Starter:** Capable of starting gasoline engines or diesel engines instantly, even in extreme temperatures (-4°F to 140°F).
- **Integrated Air Compressor:** Inflates tires up to 150 PSI with automatic shut-off to prevent overinflation. Supports 4 pressure units (PSI, BAR, KPA, KG/cm²).
- **Portable Power Bank:** Features USB output for charging smartphones and other devices.
- **Multi-mode LED Light:** Includes Flashlight, SOS, and Strobe modes for emergency situations.
- **Digital LCD Display:** Provides real-time pressure monitoring and battery status.



Figure 1: Front view of the SERVOMASTER SM16S showing its digital display and control buttons.

Setup

Charging the Device

Before first use, fully charge the SERVOMASTER SM16S. Connect the USB-C charging cable to the device's input port and plug the other end into a suitable USB power adapter (not included). The LCD display will indicate the charging status and battery level. A full charge ensures maximum performance for jump starting and inflation.



Figure 2: Charging the device and using it as a power bank.

Operating Instructions

1. Jump Starting a Vehicle

1. Ensure the jump starter is sufficiently charged.
2. Connect the red clamp of the smart jumper cables to the positive (+) terminal of the vehicle battery.
3. Connect the black clamp of the smart jumper cables to the negative (-) terminal of the vehicle battery.
4. Plug the smart jumper cable connector into the EC5 output port on the jump starter. The indicator light on the smart cable will turn green if the connection is correct and safe. If it flashes red, check the connections.
5. Start your vehicle.
6. Once the vehicle starts, immediately remove the smart jumper cable connector from the jump starter, then disconnect the black clamp, followed by the red clamp from the vehicle battery.

SATISFY YOUR VARIOUS NEEDS

A wide range of accessories to choose from



Figure 3: Correct connection of jumper cables to a vehicle battery.

Your browser does not support the video tag.

Video 1: Demonstration of jump starting a car battery using the portable jump starter.

2. Using the Air Compressor (Tire Inflation)

1. Screw the air hose into the air output port on the top of the jump starter.
2. Attach the air hose nozzle to the tire valve stem. Ensure a secure connection.
3. Press the power button to turn on the device. The LCD display will show the current tire pressure.
4. Use the 'M' button to select the desired inflation mode (Car, Motorcycle, Bicycle, Ball) or the 'U' button to change pressure units (PSI, BAR, KPA, KG/cm²).
5. Use the '+' and '-' buttons to set the target pressure.

6. Press the power button again to start inflation. The compressor will automatically stop once the preset pressure is reached.
7. Disconnect the air hose from the tire valve and then from the device.



Figure 4: Tire inflation in progress with real-time pressure display.



Figure 5: Multi-device inflation capabilities with various nozzle attachments.

3. Using as a Power Bank

1. Connect your electronic device (e.g., smartphone) to the USB output port using a compatible USB cable.
2. The device will automatically begin charging your connected device. The LCD display may show 'OUT' indicating power output.

4. Using the LED Light

1. Press and hold the LED light button (usually located on the side or top) to turn on the flashlight.
2. Press the button again to cycle through SOS mode (flashing) and Strobe mode.
3. Press and hold the button to turn off the LED light.

Maintenance

- **Recharging:** Recharge the device every 3-6 months, even if not used, to maintain battery health.
- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the jump starter in its provided storage pouch in a cool, dry environment. Avoid extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on	Low battery	Charge the device fully.
Vehicle does not jump start	Incorrect cable connection; Vehicle battery completely dead; Device battery too low	Check cable connections (ensure green light on smart cable); Fully charge the device; Consult a mechanic if battery is severely damaged.
Air compressor not inflating	Air hose not securely attached; Target pressure not set; Device battery too low	Ensure air hose is screwed in tightly and nozzle is secure; Set target pressure on LCD; Charge the device.
Digital display not working	Device off; Low battery	Press power button; Charge the device.

Specifications

Feature	Detail
Brand	SERVOMASTER
Model	SM16S
Peak Output Current	400.0 Amps (Note: Product description mentions 'Powerful Jump Starter:starting gasoline engines or diesel engines instantly', but peak current is listed as 400A in specs. For larger engines, higher peak current is typically needed. Please verify actual peak current for compatibility.)
Amperage	1.5 Amps
Battery Cell Composition	Lithium Ion
Battery Capacity	6000 Milliamp Hours
Voltage	14.8 Volts
Air Compressor Max PSI	150 PSI

Feature	Detail
Operating Temperature	-4°F to 140°F
Item Weight	1.43 pounds
Package Dimensions	8.07 x 5.51 x 2.95 inches
UPC	739630925673

Warranty and Support

For warranty information and customer support, please refer to the contact details provided with your product packaging or visit the official SERVOMASTER website. Keep your purchase receipt as proof of purchase for any warranty claims.