SCATACH

Portable Jump Starter User Manual

Model: SC-JS-12000 | Version 2.1

Product Overview

The Scatach Portable Jump Starter is a high-capacity, multi-functional power device designed to jump-start 12V vehicles and provide portable power for various electronic devices. This compact unit combines emergency jump-starting capability with USB charging ports, LED flashlight, and safety features.

Package Contents

- 1x Scatach Jump Starter Unit
- 1x Heavy-Duty Jumper Cables with Smart Clamps
- 1x AC Wall Charger (100-240V)
- 1x 12V Car Charger
- 1x USB-C to USB-A Cable
- 1x Storage Case
- 1x User Manual

⚡ Technical Specifications

Specification	Value
Battery Capacity	12,000mAh / 44.4Wh
Jump Start Output	12V/400A Peak, 200A Instant
Engine Compatibility	Up to 6.5L Gas / 5.2L Diesel
USB Output 1	5V/2.4A (Quick Charge 3.0)
USB Output 2	5V/2.4A (Standard)
USB-C Output	5V/3A, 9V/2A, 12V/1.5A (18W PD)
LED Flashlight	300 Lumens, 3 Modes
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions	170 × 75 × 35mm (6.7" × 3.0" × 1.4")
Weight	450g (1.0 lbs)
Safety Certifications	CE, FCC, RoHS, UL

Battery Level Indicators

LED Display:
- 76-100% Charged
● - 51-75% Charged
● ● - 26-50% Charged
● ● ● - 1-25% Charged
● ● ● - Low Battery Warning

Battery Check: Press the power button briefly to display current battery level. The unit will automatically power off after 30 seconds of inactivity to conserve power.

Jump Starting Instructions

⚠ **SAFETY WARNING:** Only use this device on 12V lead-acid batteries. Ensure the jump starter is charged above 25% before attempting to jump start a vehicle. Never attempt to jump start a frozen, damaged, or leaking battery.

Step-by-Step Jump Starting Process

1 Preparation: Ensure the jump starter is charged (at least 25% battery level). Turn off the vehicle's engine and all electrical accessories. Engage the parking brake and ensure the vehicle is in Park (automatic) or Neutral (manual).

2 Connect the Clamps: Connect the RED clamp to the positive (+) terminal of the dead battery first. Then connect the BLACK clamp to a solid, unpainted metal surface in the engine bay, away from the battery and fuel system.

3 Power On: Press and hold the power button on the jump starter for 2 seconds to activate jump mode. The green READY indicator will illuminate when the unit is ready to jump start.

4 Start the Engine: You have 30 seconds to start the vehicle once the READY light is on. Turn the ignition key and start the engine. If the engine doesn't start immediately, wait 3 minutes before attempting again.

5 Disconnect Safely: Once the engine starts, immediately turn off the jump starter by pressing the power button. Remove the BLACK clamp first, then the RED clamp. Store the clamps safely away from each other.

6 Let Engine Run: Allow the vehicle to run for at least 30 minutes to recharge the car battery. Drive the vehicle or use a battery charger to fully recharge the car battery.

USB Charging Functions

Charging Mobile Devices

The Scatach jump starter can charge smartphones, tablets, and other USB devices simultaneously:

- **USB-A Port 1 (QC 3.0):** Fast charging for compatible devices up to 18W
- **USB-A Port 2:** Standard 5V/2.4A output for most devices
- **USB-C Port:** Power Delivery up to 18W for newer devices

Usage Instructions

1 Check Battery Level: Press the power button to check the jump starter's battery level before connecting devices.

2 Connect Device: Use appropriate cables to connect your device to the desired USB port. The jump starter will automatically detect and begin charging.

3 Monitor Charging: The LED indicators will show the remaining battery level. The jump starter will automatically stop charging when its battery reaches 10% to preserve jump-starting capability.

> **TIP:** For optimal performance, charge the jump starter to 100% before extended trips. The unit can charge most smartphones 4-6 times on a full charge.

LED Flashlight Operation

The built-in LED flashlight provides 300 lumens of bright illumination with three operational modes:

- **Steady Light:** Continuous bright illumination
- **Strobe Light:** Rapid flashing for emergency signaling
- **SOS Mode:** International distress signal pattern

Flashlight Controls

1 Activate: Press and hold the flashlight button for 2 seconds to turn on the LED.

2 Change Modes: Press the flashlight button briefly to cycle through: Steady → Strobe → SOS → Off.

3 Auto-Off: The flashlight will automatically turn off after 30 minutes to conserve battery power.

Charging the Jump Starter

AC Wall Charging (Recommended)

1 **Connect Charger:** Plug the included AC adapter into a wall outlet (100-240V). Connect the charging cable to the jump starter's input port.

2 **Monitor Progress:** The LED indicators will show charging progress. A full charge typically takes 4-6 hours from completely depleted.

3 **Completion:** All four LED indicators will be solid green when fully charged. The unit will automatically stop charging to prevent overcharge.

12V Car Charging

Use the included 12V car charger to charge the jump starter while driving. Connect to your vehicle's 12V outlet (cigarette lighter). Charging time is approximately 6-8 hours while driving.

> **IMPORTANT:** Charge the jump starter at least once every 3 months to maintain battery health. Store the unit with at least 50% charge for optimal longevity.

☐ Safety Features & Protections

Smart Clamp Technology

The included jumper cables feature intelligent safety systems:

- **Reverse Polarity Protection:** Prevents damage if clamps are connected incorrectly
- **Short Circuit Protection:** Automatically shuts down if cables are crossed
- **Overload Protection:** Prevents damage from excessive current draw
- **Spark-Proof Design:** Safe connection even if clamps touch each other

Battery Management System

- **Overcharge Protection:** Prevents battery damage during charging
- **Over-discharge Protection:** Automatically shuts down at low battery
- **Temperature Control:** Monitors internal temperature during operation
- **Cell Balancing:** Maintains optimal battery performance

Troubleshooting Guide

Jump Starter Won't Start Vehicle

- Check battery level - must be above 25%
- Ensure clamps are properly connected to battery terminals
- Verify the vehicle battery isn't completely dead (below 8V)
- Wait 3 minutes between jump start attempts
- Check that the jump starter is in jump mode (green READY light)

USB Ports Not Charging Devices

- Press power button to wake up the jump starter
- Check if battery level is above 10%
- Try a different USB cable
- Ensure device is compatible with output specifications

Jump Starter Won't Charge

- Verify AC adapter is working and properly connected
- Check charging port for debris or damage
- Try charging in a different temperature environment
- If stored for extended periods, battery may need reconditioning

LED Indicators Not Working

- Press and hold power button for 5 seconds to reset
- Charge the unit completely and test again
- Check for firmware updates (contact support)

Maintenance & Storage

Regular Maintenance

- **Monthly Check:** Test the unit monthly and charge if below 50%
- **Clean Contacts:** Wipe battery clamps with a dry cloth after each use
- **Inspect Cables:** Check jumper cables for damage or wear regularly
- **Firmware Updates:** Check myscatach.com for firmware updates

Storage Guidelines

- Store in a cool, dry place between -20°C to 25°C (-4°F to 77°F)
- Keep battery charge between 50-80% for long-term storage
- Recharge every 3 months if not used regularly
- Store in the included carrying case to protect from dust and moisture

Battery Lifespan

The lithium polymer battery is rated for over 1000 charge cycles. With proper care, the battery should maintain 80% of its original capacity after 3-5 years of normal use.

⚠ Important Safety Warnings

- **Never attempt to jump start a damaged, frozen, or leaking battery**
- **Do not use near flammable gases or in explosive environments**
- **Keep away from children - contains small parts and electrical components**
- **Do not disassemble or modify the unit - risk of electric shock**
- **Do not expose to water, moisture, or extreme temperatures**
- **Never connect positive and negative clamps together**
- **Always remove clamps in reverse order (negative first, then positive)**
- **Do not use if the unit is damaged or showing signs of malfunction**
- **Seek professional help if you're unsure about any procedure**

Warranty & Support

Warranty Coverage

Your Scatach Jump Starter is covered by a 24-month manufacturer warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use conditions.

What's Not Covered

- Damage from misuse, abuse, or negligence
- Normal wear and tear or cosmetic damage
- Damage from unauthorized repairs or modifications
- Battery degradation beyond normal expected lifespan

Customer Support

For technical support, warranty claims, or general inquiries:

- **Website:** https://myscatach.com/
- **Email:** support@myscatach.com
- **Phone:** 1-800-SCATACH (1-800-722-8224)
- **Hours:** Monday-Friday, 8 AM - 6 PM EST

Registration

Register your product at https://myscatach.com/register to activate your warranty and receive product updates, safety notices, and exclusive offers.

Environmental Information

Disposal & Recycling

This product contains lithium polymer batteries and electronic components that must be disposed of properly. Do not dispose of in regular household trash.

- Contact your local recycling center for proper disposal methods
- Many auto parts stores accept old jump starters for recycling
- Visit https://myscatach.com/recycling for recycling program information

Environmental Compliance

This product complies with RoHS (Restriction of Hazardous Substances) directive and WEEE (Waste Electrical and Electronic Equipment) regulations. Manufactured using environmentally responsible processes.