

RichardSolo®

16000 mAh Multi-Function Jump Starter with Air Inflator

INSTRUCTION MANUAL

Thank you for purchasing the RichardSolo 16000 mAh Multi-Function Jump Starter with Air Inflator. Please read these instructions before operation and save for future reference.

Battery Layout

- 1 Power switch
- 2 Backlit LCD panel
- 3 LED warning lights
- 4 Unit button
- 5 Pressure decrease button (-)
- 6 Pressure increase button (+)
- 7 Air pump ON/OFF switch
- 8 Jump start socket
- 9 LED flashlight with strobe/SOS functions
- 10 12V 10A input port
- 11 USB output port: 5V 2.1A
- 12 15V 1A input port
- 13 USB output port: 5V 1A
- 14 12V 10A output port
- 15 Extract port (located underneath)
- 16 Aerated (air) port (located underneath)



Included Parts/Accessories

- 17 Dual voltage (100-240V) AC wall charger with round-pin cable
- 18 DC car adapter with round-pin cable
- 19 USB charge cable with type C/Apple 8-pin Lightning/micro-USB connectors
- 20 Intelligent jump start cables with built-in LED safety module
- 21 Air inflator hose with twist-on Schrader connector for vehicle tires
- 22 DC car charger for air inflator
- 23 Inflator connectors (ball needle, mattress nozzle, bike tire adapter)



Charge 16000 Multi-Function Jump Starter with Air Inflator:

- 1 Connect Dual voltage AC wall adapter (17) to AC wall outlet, or
- 2 Connect car adapter (18) to cigarette lighter port in vehicle
- 3 Connect round-pin cable to 15V 1A input port (12)
- 4 "CHARGING BATTERY" (0 -100%) appears on blue backlit LCD (2)
- 5 When fully charged (100%), LCD shuts off - Remove charge cable

Note: For optimum performance, wait until backlit LCD shuts off to ensure full charge capacity. Total charge time (0 - 100%) = about 4-5 hours.

Check remaining Multi-Function battery capacity

- 1 Tap any button
- 2 LCD illuminates showing remaining charge capacity 0 -100%
- 3 LCD shuts off in about 30 seconds

Jump start instructions:

- 1 Connect intelligent jump start cables (20) to jump start socket (8)
- 2 Blue connector plug must be secure and fully seated within the socket
- 3 Be sure red/green LED indicators on jump start cable module are OFF
- 4 Connect RED cable clamp to positive (+) battery terminal on vehicle
- 5 Connect BLACK cable clamp to negative (-) battery terminal on vehicle
- 6 When connected, check LED indicators on module and proceed as follows:
 - A **Green LED ON** - connection is correct / circuit is working - OK to start vehicle
 - B **Green LED flashes with buzzing** - vehicle battery is low - press/hold BOOST button on module until green LED illuminates - release button - start vehicle within 30 seconds
 - C **Red LED ON with buzzing** - connection error - remove clamps and replace as mentioned in steps 4 & 5 - when green LED is on, OK to start vehicle
 - D **No LEDs illuminating/No buzzing** - vehicle battery may be damaged - confirm jump start clamps are connected correctly - press/hold BOOST button on module until green LED illuminates - release button - start vehicle within 30 seconds
- 7 When motor starts, remove clamps immediately from battery terminals - leave motor running

Notes for jump starting 12V vehicle batteries:

- For best performance when starting vehicles, use Multi-Function Jump Starter at 75% charge capacity or higher.
- DO NOT connect jump start cable clamps to wrong +/- battery terminals - RED = (+) positive / BLACK = (-) negative.
- DO NOT connect jump starter RED/BLACK cable clamps together.
- Make sure Multi-Function Jump Starter cable clamps are connected securely to battery terminals.
- Always remove clamps within 30 seconds after motor starts.
- Check battery terminals for rust, dirt and corrosion before using Multi-Function Jump Starter - clean if necessary to avoid poor performance.
- DO NOT jump start again after 3 attempts to avoid damaging Multi-Function Jump Starter - check for other vehicle issues.

Charge smartphones, tablets, etc:

- 1 Plug USB charge cable (19) to USB 5V-2.1A port on battery (11)
- 2 Choose appropriate connector and plug into your device
- 3 Press/release Multi-Function battery power switch (1) - backlit LCD (2) illuminates
- 4 Monitor charge via charge icon or LED on device
- 5 Backlit LCD shows remaining Multi-Function battery capacity while charging device
- 6 When charge is complete, battery & backlit LCD shut off in a few minutes

Note:

- Use 2.1A port (11) for larger devices like tablets + smartphones, music players, small tablets, etc.
- Use 1A port (13) for smaller devices like smartphones, music players & small tablets.
- Use included USB charge cable or USB cable included with your own device.
- Included USB charge cable can charge more than one device at a time via one USB port using type-C, Apple 8-pin Lightning, or micro-USB connectors. Charge times may take longer in this mode.

Air inflator instructions:

- 1 Connect air inflator hose (21) to aerated port (16) on bottom panel of Multi-Function battery
- 2 Securely connect opposite end of air inflator hose to air valve on vehicle tire
- 3 Tap any button to illuminate backlit LCD
- 4 Tap UNIT button (4) repeatedly to preset pressure reading as PSI, BAR, KPA, or KG/CM2
- 5 Tap pressure decrease (-) or increase (+) buttons (5) or (6) to lower/raise to desired amount
- 6 Press/hold ON/OFF air pump switch (7) for 3 seconds to activate air pump
- 7 Unit reading on LCD changes to read current pressure as vehicle tire fills with air
- 8 When preset amount is reached, pump shuts off automatically or tap ON/OFF to manually shut off
- 9 Remove air inflator hose

Note:

- For smoother connections with tire valves, apply a small amount of spray lubricant (WD-40, etc.) to inner threads of connector on air inflator hose.
- LCD tire pressure readings are approximate and may vary slightly.
- For more accuracy, compare LCD readings with a handheld pressure gauge and adjust preset readings as needed.
- For extra air power, connect DC car charger cord (22) from 12V 10A input port (10) on Multi-Function battery to 12V (cigarette lighter) port in vehicle.
- Attach included connector tips (23) to air inflator hose for balls, air mattresses, bike tires, etc.

Air deflator instructions:

- 1 Connect air hose (21) to extract port (15) on bottom panel of Multi-Function battery.
- 2 Connect opposite end of air hose to valve on air filled item.
- 3 Press/hold ON/OFF air pump switch (7) for 3 seconds to activate air pump.
- 4 Pump extracts air from item.
- 5 Tap ON/OFF to shut off pump and remove air hose.

Note: Air extraction is useful for completely removing air in tire tubes, air mattresses, and compression bags for better storage.

Tandem charging:

- 1 Connect AC (17) or DC car adapter (18) to Multi-Function battery charge port (12).
- 2 "CHARGING BATTERY" (0 -100%) appears on blue backlit LCD (2).
- 3 Connect electronic devices to USB ports (11) or (13) on Multi-Function battery.
- 4 Devices and Multi-Function battery charge simultaneously.

Note: When Multi-Function battery is fully charged, LCD shuts off — connected devices continue to recharge. When devices are fully charged, Multi-Function battery shuts off automatically. Brand or same series may also vary. Check your own connector size for compatibility.

Power 12V vehicle products or 12V electronics:

- 1 Connect 12V device power cable (not included) to 12V-10A output port (14).
- 2 Tap Multi-Function battery power switch (1).
- 3 When finished, remove power cable — Multi-Function battery shuts off in about 30 seconds

3-Function LED flashlight -Strobe - SOS:

- 1 Tap power button (1) — LCD panel illuminates.
- 2 Press/hold power button (1) 2 seconds — LED flashlight illuminates.
- 3 Tap power button (1) — LED strobe flashes.
- 4 Tap power button (1) — LED SOS flashes.
- 5 Tap power button (1) — LED flashlight shuts off — LCD panel shuts off in 30 seconds.

LED warning lights

- 1 Tap power button (1) — LCD panel illuminates.
- 2 Tap power button (1) twice — alternating red/blue LED warning lights (3) flash.
- 3 When finished, remove power cable — Multi-Function battery shuts off in about 30 seconds.

Specifications:

Measurements: 10.44" x 6.3" x 2.49"
(26.5 x 16 x 6.3 cm)

Weight: 3.75 lb (1.7 kg)

Capacity: 16000 mAh (51.2 Wh)

Cell Type: Li-polymer battery

Inputs: DC 15V/1A for internal battery; 12V/10A for air inflator

Output: USB 5V-1A / USB 5V-2.1A / 12V-10A port / 12V jump start port

Start current: 300A

Peak current: 600A

Operating temperature: -4~140 degrees F (-20~60C)

Dual voltage AC wall adapter charge cable length: 52" (132.1 cm)

Car adapter charge cable length: 37" (94 cm)

USB type C/Lightning/micro-USB charge cable length: 8" (20.32 cm)

Jump start cable length: 12" (30.5 cm)

Full charging time: 4-5 hours

Air Inflator Specifications:

Operating voltage: 12V

Max pressure: 72 PSI

Max current: 10A

Flow: 50L/min

Pump speed (0-35 PSI): 8 minutes for one tire (205/60 R16)

Air hose length: 40" (1 m)

DC car charger for air inflator cable length: 10 ft. (3 m)

Connector: standard twist-on Schrader valve for vehicle tires

Package Contents

- 16000 mAh multi-function Lithium-ion battery w/built-in LED flashlight
- Dual voltage (100-240V) AC wall charger with round pin cable
- DC car charger with round-pin cable
- USB charge cable with type C/Apple 8-pin Lightning/micro-USB connectors
- Intelligent jump start cables with built-in LED safety module
- Air inflator hose with twist-on Schrader connector — fits vehicle tires
- DC car charger for air inflator
- Inflator connectors (ball needle, mattress nozzle, bike tire adapter)
- Instructions

Troubleshooting

Problem: No response when Multi-Function power button is pressed

Cause: Battery is low on power / low voltage protection mode activated

Solution: Plug AC or Car charger into 15V 1A port (12) and recharge the battery

Toxic and harmful substances

Pb:0 Hg:0 Cd:0 Cr(VI):0 PBB:0 PBDE:0

Note: 0 indicates all homogeneous materials' hazardous substances content are below the MVC limit specified in the Standard 2002/95/EC(RoHs).

FAQ

Q: How to shut off Multi-Function Jump Starter?

A: Multi-Function battery shuts off automatically when no load is detected or when it has recharged. When charging devices, remove charge cable from device or Multi-Function battery to shut off battery.

Q: How long does it take to recharge Multi-Function Jump Starter?

A: About 4-5 hours through its 15V-1A charge input port (12).

Q: How many times can Multi-Function Jump Starter charge my smartphone?

A: Total number varies depending upon smartphone battery capacity. For example, a fully charged Multi-Function battery can charge iPhone 6 about 7-8 times.

Q: How many times will the Multi-Function battery jump-start my car?

A: Up to 30 times depending upon battery and starting conditions. For best performance, jump start vehicles when Multi-Function battery LCD panel reads 75% capacity or higher.

Q: What is the lifetime for Multi-Function Jump Starter?

A: Up to 5 years.

Q: How often should Multi-Function Jump Starter be recharged?

A: Fully charged — will hold its charge for about 6-12 months. Recharge every 3 months in storage.

Note: *It's a good idea to top up the charge as often as you want — keeping it fully charged is fine. No need to wait till depleted.*

Safety Instructions:

Read all instructions and notes prior to using this product. Failure to read and follow safety instructions could result in fire, explosion, electrical shock or other hazard causing serious and/or fatal injury and/or property damage.

1. Do not modify, disassemble, open, drop, crush, puncture, or shred this product
2. No serviceable parts are inside
3. Do not expose this product to rain or water
4. Avoid excessive heat (open flame, sunlight, etc.)
5. Do not store in locations where temperature may exceed 158 degrees F (70C)
6. Charge Multi-Function Jump Starter only with included AC or DC car adapter
7. Charge Multi-Function Jump Starter in ambient temperatures between 32-104 degrees F (0-40C)
8. Do not use near flammable liquids, gasses, or dust
9. Keep product away from children