

RS001 RichardSolo 1800

Smart Backup Battery for iPhone/iPod

RichardSolo®

Before First Use

Before first use, fully charge your RichardSolo Battery about 5 hours. We recommend a full overnight charge for two nights in a row to make sure you get maximum battery capacity exercised.

The RS Battery has 1800 mAh capacity, which will give you more than a full charge for the iPhone (which is 1400 mAh). We recommend using the RS Battery to top off your iPhone any time you wish. The RS Battery will stop charging the iPhone when the iPhone is fully charged, and you can use the remaining charge in the RS Battery at a later time.

Charging the RichardSolo Battery and Apple device together

While charging the RS Battery from either the wall outlet or USB computer port, you can also charge your iPod/iPhone at the same time. The iPod/iPhone will charge first, and then the backup battery will fully charge.

Support Brace

Please use the included 2G or 3G support brace to protect the iPhone from accidental flexing of the connector pins. It must be snapped on to the RS Battery. You can use the RS battery without the brace, i.e., with your case on, but exercise appropriate care to avoid "flexing" the connectors which can cause damage. For example, leave it on your desk to charge without the support brace.

Buttons

> < Latch Release Buttons — *IMPORTANT*

Side latching pins must be released by pressing side buttons before removing the protective cap, or RS Battery from Apple devices.

Light Button

Slide the unlock switch on the back of the RS battery and press the button for super bright LED flashlight.

Laser Button

Slide the unlock switch on the back of the RS battery and press the button for laser pointer.

LED indicators

Normally if the iPhone and power adapter are not connected, all the LEDs are off, to save power.

Top Blue LED

While charging iPhone/iPod.

When the iPhone/iPod is connected, the blue LED stays on. Refer to the charge indicator on the Apple device to determine when the device is fully charged. For maximum charge, the RS Battery will continue to top up the Apple device even after it indicates the battery is full. This can take up to 90 minutes.

Middle Green LED

While charging RS Battery.

If power adaptor is connected, then green LED starts flashing to indicate the internal battery is charging. When RS Battery is fully charged, the green LED stays on.

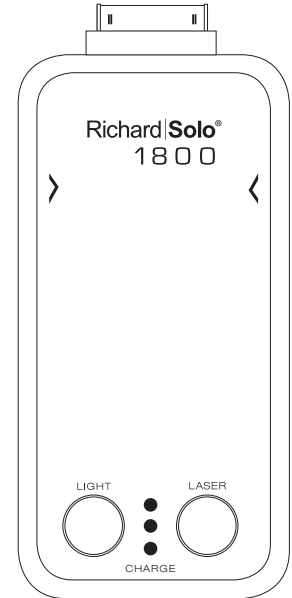
Note: When charging an Apple device at the same time, the flashing green LED will not illuminate until the Apple device is fully charged and the RS Battery begins taking a charge.

Lower Red LED

While using RS Battery.

Flashing Red indicates the RS Battery is below 10% capacity and needs to be re-charged from power source. It will turn off when the iPhone is disconnected. At this stage the RS Battery still has some power to charge the iPhone/iPod, but it is signaling to the user that power is low and recharging the RS Battery is essential.

When the RS Battery is critically low, the red LED will blink for 3 seconds. (When iPhone/iPod is first connected to the battery) and then the RS Battery will turn off to save power and protect itself from complete discharge, even if the iPhone/iPod is still connected. Note it is important not to over discharge any rechargeable battery, if such battery is over discharged, it can be damaged.



Error Status

While charging RS Battery.

Flashing Green and Red LEDs indicate the temperature of the internal battery is abnormal. Simply unplug the power adaptor and put the RS Battery in room temperature (20 to 25 degrees Celsius) for an hour, then re-try charging the RS battery.

While charging Apple device.

All LEDs (Blue, Green and Red) flashing indicates RS Battery is being overloaded. Simply disconnect the Apple device from RS Battery and re-connect again. If the error condition recurs, your Apple device or RS Battery may require servicing.

Summary of tips for longer battery life

Polymerized Lithium-ion batteries, including our RS Battery, are good for approximately 300 to 500 charge/discharge cycles. A "charge/discharge" cycle generally consists of an extended charging period, and an extended discharging period. A quick charge, listening to your iPod for 30 minutes, and charging again, for example, does not constitute a full "charge/discharge cycle", but is a portion of one complete cycle which means you will have more than 300 to 500 total charge/discharge cycles.

Polymerized Lithium-ion batteries do not take kindly to frequent complete discharges. When possible, the optimal usage pattern — for any lithium-ion battery — is a partial discharge, followed by recharging. A partial discharge can be anything less than a full discharge. However, an occasional full discharge is desirable (e.g., once every 30 charges) to calibrate the battery.

Polymerized Lithium-ion batteries do not significantly degrade, or develop "memory", even if charged at irregular intervals; irregular charging is acceptable. Polymerized lithium-ion batteries do not store well for extended periods of time at full charge. However, there is no way around this under these circumstances. When possible, use the AC wall adapter for extended charging, rather than the USB cable attached to your computer.

High temperatures tend to degrade battery life, so avoid leaving it in a hot car, for example.



"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.

"Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.

Technical Specifications

- 1800 mAh polymerized lithium-ion battery
- RS Battery itself is charged to 100% in about 5 hours
- Output: DC 5V +/- 0.25V
- Output current: 500 mA
- Operating temperature: 32 to 95°F [0 to 35°C]
- Storage temperature: 14 to 113°F [-10 to 45°C]

Safety Precautions

Do not disassemble the RS Battery. Do not allow the RS Battery to have contact with water or other liquids, or expose the RS Battery to heat.

Recycling

The RS Battery should be disposed of properly. Please do not dispose in trash receptacles or incinerate.

Limited 90-Day Warranty

RichardSolo.com warrants the RichardSolo Battery to be free from defects in materials, workmanship and assembly, under normal use, in accordance with the specifications and warnings, for 90 days from the date of your purchase. This warranty extends only to the original purchaser of this product and is not transferable. To exercise your rights under this warranty, you must upon request provide proof of purchase. For customer support or to obtain warranty service, please contact us at support@RichardSolo.com. There are no other express or implied warranties. RichardSolo's liability is limited to repair, or at its sole option, replacement of the product. Incidental, special and consequential damages are disclaimed where permitted by law. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

LASER WARNING!



- Never look directly into the laser beam.
- Never point a laser beam at a person.
- Do not aim the laser at reflective surfaces.
- Never view a laser beam pointer using an optical instrument, such as binoculars or a microscope.
- Do not allow children to use laser pointers unless under the supervision of an adult.

