

Review Before First Use

Latch Release Buttons > < *****IMPORTANT*****

Squeeze the side latch release buttons to remove the RS1800 from the Apple device (see diagram to right).

Support Brace

Use the included 2G or 3G support brace to protect the iPhone from flexing the RS1800 connector pins. We recommend you keep the brace snapped onto the RS1800. You can use the RS1800 without the brace, i.e., with your iPhone case on, but exercise care. For example, leave the RS1800 on your desk if charging your iPhone without the support brace. However, the RS1800 connectors are quite durable.

Before First Use (to calibrate RS1800)

Here are some initial charging tips for when you receive your new RS1800. This procedure helps calibrate the battery's charging capacity.

- 1) Charge the RS1800 initially overnight (8+ hours) from the wall outlet using the included AC wall charger and retractable cable (do not charge in tandem with iPhone/iPod while calibrating).
- 2) The next day use the RS1800 to charge your Apple device as little or as much as needed.
- 3) Recharge the RS1800 again overnight.
- 4) Beyond this, charge the RS1800 as needed (overnight not necessary). See **FAQs** on back of this sheet for usage tips.

What do the LEDs indicate when charging the RS1800?

When your RS1800 is connected to wall outlet or USB power source (not in tandem with iPhone/iPod)

When the RS1800 is connected to a power source, the green (middle) LED starts flashing to indicate the RS1800 is charging. When the RS1800 is fully charged, the green LED will be solid.

When your RS1800 is connected to your Apple device

(not connected to wall outlet or USB power source)

When the iPhone/iPod is connected to the RS1800, the blue (top) LED will be solid. Refer to the charge indicator on the Apple device to determine when your iPhone/iPod is fully charged. For maximum charge, the RS1800 will continue to "top up" the Apple device even after it indicates the battery is full. This can take up to 90 minutes.

When charging your RS1800 and Apple device simultaneously

When charging your Apple device and RS1800 at the same time from a wall outlet or USB power source, the iPhone/iPod **will charge first** and the blue LED on the RS1800 will be solid. When your Apple device is fully charged, the green LED on the RS1800 will start flashing to indicate that it is receiving its own charge. (Please note that when the Apple device indicates its battery is full, the green LED on the RS1800 may take up to 90 minutes to begin to flash.) Once the RS1800 is fully charged, the green LED will be solid. See **FAQ: Can I charge the RS1800 and Apple device together?**

Troubleshooting

Green LED Does Not Flash (when charging RS1800)

Please email support@RichardSolo.com for a prompt reply.

Green and Red LEDs Flash (when charging RS1800)

Reason: Internal battery temperature is abnormal

Procedure: Unplug RS1800 from power source. Place RS1800 in room temperature (68-77°F / 20-25°C) for 1 hour. Then try charging the RS1800 again.

All LEDs (Blue, Green, Red) Flash (when RS1800 is connected to iPhone/iPod)

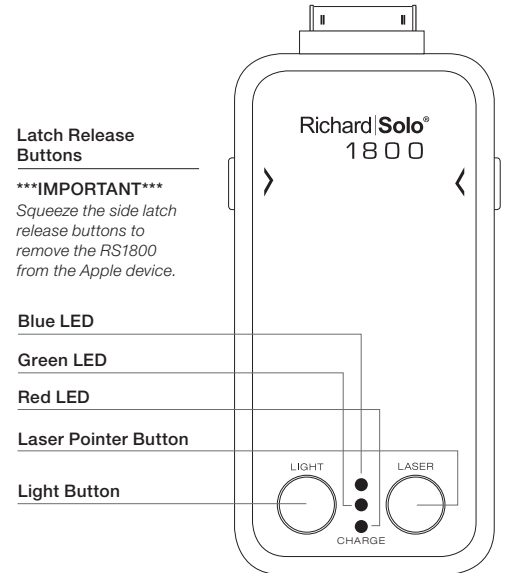
Reason: iPhone/iPod is drawing an excessive current due to possible internal circuit issues. The RS1800 has a built-in circuit to stop the excessive drain and flashes its LEDs as an indication.

Procedure: Disconnect the iPhone/iPod and re-connect again. If all LEDs continue to flash please email support@RichardSolo.com for a prompt reply. The RS1800 or the iPhone/iPod may need service.

Following message appears on your iPhone/iPod:

"Charging is not supported with this accessory" or "This accessory is not made to work with iPhone"

Disconnect the RS1800 from the iPhone/iPod and try attaching again. If the message continues to appear, please refer to the "reboot" procedure below and follow steps.



Latch Release Buttons

*****IMPORTANT*****

Squeeze the side latch release buttons to remove the RS1800 from the Apple device.

Blue LED

Green LED

Red LED

Laser Pointer Button

Light Button

Light Button

Slide the on/off switch on the back of the RS1800 and press the button for a super-bright LED flashlight.

Laser Button

Slide the on/off switch on the back of the RS1800 and press the button for the red laser pointer.

Blue LED (Top)

A solid blue LED indicates that the RS1800 is connected and charging your Apple device.

Green LED (Middle)

The green LED indicates the charging status of the RS1800. If the RS1800 is connected to a power source (without tandem charging), then the green LED will start flashing to indicate the RS1800 is charging. When RS1800 is fully charged, the green LED will be solid.

Red LED (Bottom)

When connected to your Apple device, a flashing red LED means that the RS1800 is below 10% capacity and will soon need to be re-charged. When the RS1800's charge is critically low, the RS1800 will turn off to save power and protect itself from complete discharge, even if the Apple device is still connected.

Note: All LEDs will automatically turn off when you disconnect the RS1800 from your Apple device.

"Reboot" Procedure

Please try this simple "reboot" procedure if the following message appears on your iPhone/iPod when the RS1800 is connected: "Charging is not supported with this accessory" or "This accessory is not made to work with iPhone"

- 1) With the iPhone/iPod turned on and no battery attached, press and hold the circular home button located on the bottom front of the iPhone/iPod.
- 2) While holding this button, press and hold down the lock button on the top right corner of the iPhone/iPod.

- 3) After holding them down together for about 5-10 seconds, the screen goes blank.
- 4) Continue holding until the Apple logo appears and the iPhone/iPod reboots.
- 5) Release both buttons. You've successfully rebooted your iPhone/iPod.

Reconnect your RS1800 and look for a reading that your iPhone/iPod is now taking a charge normally. Also, check for iPhone/iPod updates available through iTunes on your computer. If you are still having problems, please email support@RichardSolo.com for a prompt reply.

Frequently Asked Questions

This instruction manual is available as a PDF on the RS001 product page at www.RichardSolo.com. Please visit the product page for an updated list of FAQs, too.

Q: Can I charge the RS1800 and Apple device together?

A: Yes, while charging the RS1800 from a power source, you can also charge your iPhone/iPod at the same time. The iPhone/iPod will charge first, and then the RS1800 will begin to charge. You can charge your Apple device and RS1800 in tandem each night and wake up in the morning with both fully charged!

Q: What is the best way to use the RS1800 battery?

A: Many users prefer to attach it once or twice a day, for maybe 15-20 minutes at a time. This is easily done at lunch, at your desk, or in your briefcase or purse. Especially if you use the included support brace, it is more secure than you may think! The connectors on the iPhone and the RS1800 are fairly tough and will not get damaged if you treat them with respect. Please be careful when placing the RS1800 in your pocket when it is connected to your Apple device.

Q: Can I use the iPhone while it is being charged?

A: Definitely! You can talk on the phone or cruise the Internet while charging.

Q: How long does it take the RS1800 to charge my iPhone from 0% to 100%?

A: Approximately 90+ minutes.

Q: How many charges will I get from a fully charged RS1800?

A: The RS1800 has enough capacity to completely charge your iPhone 1.5 times.

Q: How long does the RS1800 retain its charge when not in use?

A: Your battery will lose about 1% of its charge per day while not in use. So for example, in 10 days, a fully-charged battery will lose 10% of its charging capacity.

Q: Can I purchase a cable to convert my direct plug-in RS1800 (model RS001) into a cable-connect style?

A: Due to Apple's proprietary restrictions, we are not able to manufacture a cable with a female connector to fit the RS001. In order to work around this, we designed the cable-connect RS1800 (model RS008). This is essentially the RS001 with a mini-USB connector that allows a mini-USB/Apple cable to attach and charge all iPhone and iPod devices, except shuffle. If you are an RS001 user, please contact support@RichardSolo.com for discounted pricing on the purchase of an RS008 battery.

Q: How do I obtain replacements for a lost retractable cable, AC wall charger, dual-port car charger, or 2G/3G brace?

A: These accessories are all sold on our website (iPhone/iPod/BlackBerry/Smart-phone category).

Summary of tips for longer battery life

Polymerized lithium-ion batteries, including our RS1800, are good for approximately 300-500 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 300-500 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. Note: it is important not to "over-discharge" any rechargeable battery (more than once every 30 charges). If the RS1800 is "over-discharged", it can be damaged.

Polymerized lithium-ion batteries do not significantly degrade, or develop "memory", even if charged at regular intervals; irregular charging is acceptable.

When possible, use the AC wall charger for extended charging, rather than the USB cable attached to your computer.

High temperatures tend to degrade battery life, so avoid leaving the RS1800 in a hot car, for example.

Safety Precautions

Do not disassemble the RS1800 battery. Do not allow the RS1800 to have contact with water or other liquids, or expose the RS1800 to heat.

Recycling

The RS1800 should be disposed of properly using a battery recycling program. Please do not dispose in trash receptacles or incinerate.

Limited One-Year Warranty

RichardSolo.com warrants the RS1800 to be free from defects in materials, workmanship and assembly, under normal use, in accordance with the specifications and warnings, for one year 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.

Technical Specifications

- 1800 mAh polymerized lithium-ion battery
- 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)



"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.

iPod is a trademark of Apple Inc., registered in the U.S. and other countries. iPhone is a trademark of Apple Inc. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

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.



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