

# BatteryShip.com

## Battery Installation Instructions and Care

BatteryShip.com includes a Free PDA Tool Kit with specifically marked batteries which consists of all the tools necessary to perform successful replacement for any of the battery types we sell on 99% of all the devices that our batteries fit. **For specifically marked batteries, we also include written, downloadable replacement instructions on a complimentary basis.** If your order specifically included "Tools & Instructions", then you can retrieve your specific installation instructions by clicking the PDF document link we included in your order confirmation email, or by viewing your order at <http://www.batteryship.com/orderstatus.html>

**If you are unsure how to replace the battery in your device, please refer to your specific device's manual.**

**PLEASE NOTE:** As with any PDA, MP3 player, phone, or camera battery replacement, **excessive force may result in damage to your device.** Use patience and care as you replace your battery. These instructions come with no warranty or guarantee. By utilizing these instructions, you agree to hold Batteryship.com blameless and unaccountable for any and all damages, problems, or personal injuries that may or may not arise by your use of these instructions.

**BACKUP AND BE CAREFUL:** Back up your data, music, pictures, and/or videos. Before removing your original battery, be sure to note the orientation of the battery to the device so that you can install the new battery correctly. Take care not to break the old battery (or battery seat) while removing it. Never press too hard or try to force the new battery in. It will fit easily when correctly aligned.

**CHARGING YOUR BATTERY:** Ideally, an unused battery (a battery that has never been charged even once nor have the contacts ever connected with the device) should be stored at temperatures under 59 degrees Fahrenheit (15 degrees Celsius), but above freezing. Fully charge your new battery before use. For battery types LI-ION and LI-PO allow at least 4 hours. For battery types NI-MH and NiCad allow at least 14 hours. For quality control, we pre-charge some of our batteries, so yours may require less time. **We recommend that you do not use the battery when you have available AC power. Each battery is rated for a limited number of charge-discharge cycles.**

**WARNING:** Avoid dropping the batteries and do not use any improvised chargers other than the ones sold by us or the manufacturers. **Avoid extreme temperatures (temperatures too high or too low can damage the battery).** **Discontinue the use of chargers that "cook" batteries. Keep out of reach from children. Avoid contact with liquids.** To reduce the risk of fire or burns, DO NOT disassemble, crush, puncture, short external contacts, or dispose of batteries in fire or water. Remove the battery from your PDA if it will not be in use for a long period of time. Avoid shorting the circuits in your battery - do not place it near any metal objects (such as coins, pins or pens), as these objects can connect the poles of the battery. Do not use your battery for any purpose other than powering the device that it is designed to work with. Used batteries should be treated as hazardous waste and disposed of according to your local regulations.

### **NICKEL-BASED BATTERY SPECIFICS:**

- For nickel-based batteries including NiCad and NI-MH batteries, allow the battery to run out completely on the first use before recharging it. Occasionally discharge your batteries fully before recharging them. This is especially helpful to NiCad batteries. Some chargers have a conditioner that will actually cycle the battery for you.
- A charger for nickel-metal-hydride can also accommodate nickel-cadmium, but not the other way around. A charger designed for nickel-cadmium would overcharge the nickel-metal-hydride battery.
- Nickel-based batteries prefer fast-charge. Lingering slow charges cause crystalline formation (memory).
- Nickel- and lithium-based batteries require different charge algorithms. The two chemistries can normally not be interchanged in the same charger.
- If not used immediately, remove the nickel-based battery from the charger and apply a topping-charge before use. Do not leave nickel-based battery in the charger for more than a few days, even if on trickle charge.