

LED Indicators

COLOR	STATUS
LED is OFF	Power is on, and... <ul style="list-style-type: none">No batteries inserted.Batteries inserted incorrectly.Batteries are damaged.Controls or protections activated.
Solid GREEN	Batteries are charging
QUICK FLASHING GREEN	Batteries are discharging down to 1V
SLOW FLASHING GREEN	<ul style="list-style-type: none">Charge cycle completed and "Trickle Mode" is active.Over Discharged battery cell is under rescue.

Technical Specifications

FEATURE	DESCRIPTION
CONTROLLER	Microprocessor
INPUT	AC 100-240V, 50/60Hz, 160mA
OUTPUT CURRENT (MAX)	1600 mA , Switching mode
OUTPUT POWER	5.92 watt (Max)
OUTPUT VOLTAGE (MAX)	DC 3.7 V
CONTROL FUNCTIONS	V max, thermal, timer
CHARGING EFFICIENCY	> 85%
DISCHARGING CURRENT	300 mA
BATTERY SIZE	AA (UM-3), AAA (UM-4)
CHEMISTRY TYPE	NiMH / NiCD - Rechargeable
CELLS	2 or 4

UltraQuick
Smart Charger



EP-SC4 For NiMH and NiCd Batteries

User's Guide

**TO ENSURE BEST PERFORMANCE,
PLEASE READ THESE INSTRUCTIONS
COMPLETELY BEFORE USING YOUR CHARGER.**

EP-SC UltraQuick Smart Charger

USER GUIDE

Congratulations on your purchase of the EP-SC UltraQuick Smart Charger! This is a high-quality, smart battery charger to be used for charging your AA/AAA NiMH and NiCd batteries. To ensure the best performance, please read the following instructions completely before using your charger. Thank you for choosing the EP-SC!

OPERATING INSTRUCTIONS

SETUP

1. Open the cover by lightly pressing on it and sliding it back by about ¼ inch. The cover will swing up and open.
2. When using this charger, batteries *MUST* be charged in pairs. Observe the polarity [(+) & (-)] symbols on the alignment diagram in the charger compartment. The negative (flat) ends of the cells fit against the springs.
3. Insert two (**2**) or four (4) **AA** or **AAA** NiMH or NiCd batteries into the charger. If only two batteries are to be charged, insert them both into either the **RIGHT** or **LEFT** CHANNEL.
4. Pull the prongs of the AC plug out from the rear of the charger. It will lock into position.

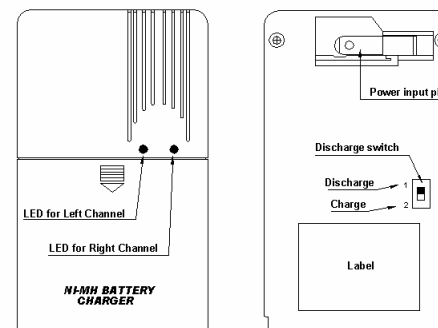
CHARGING

1. Set the switch on the back of the charger to number "**2**".
2. Plug the charger into a standard AC outlet. (The charger can be used worldwide if a physical adapter is available.)
3. The batteries begin charging and the **LED** glows solid **GREEN**, indicating the charging status of both **RIGHT** or **LEFT** CHANNELS.
4. When the charging cycle is complete, the **LED** blinks slowly, indicating "TRICKLE MODE" charging.
5. Remove the charger from its AC outlet before removing batteries.
6. Slide the battery cover open (following the same instructions from the SETUP section above)
7. Remove the batteries from their slots.
8. To fold the plug down, press down on the plastic catch next to the AC plug on the back of the charger. Push the plug closed to its storage position.

CONDITIONING/DISCHARGING

(It is recommended to fully discharge your rechargeable batteries once every 3 months in order to assure maximum battery life.)

1. Insert batteries into the charger (following the same instructions from the SETUP section above)
2. Set the switch on the back of the charger to the number "**1**".
3. Plug the charger into a standard AC socket.
4. The **LED** will flash rapidly, indicating discharging down to 1V.
5. A full RECHARGE cycle will begin automatically after the discharge cycle is complete. (SEE CHARGING SECTION, Beginning with step 3)



PRECAUTIONS

- Charging for AA and AAA NiMH and NiCd batteries only.
- This charger should never be used to charge *alkaline* or any type of non-rechargeable batteries.
- Never charge batteries of different rated capacities (mAh) or chemistries in the same CHANNEL.
- The batteries inside the charger should NOT be left plugged into an AC outlet indefinitely after charging.
- Keep your charger in a cool dry place, away from direct sunlight, high temperatures and moisture.
- **Never touch the charger when your hands or body are wet! Never operate the charger near water.**
- Always remove the charger from the AC outlet before inserting or removing batteries.
- The Manufacturer accepts no responsibility for injury or damage resulting from misuse or abuse of this product.

NOTES

- This charger enters a small constant current (800 mA) "**Trickle Charge**" cycle for 2 seconds every minute after the regular charge cycle has completed.
- If your battery is "over-discharged" (from 0.3V to 0.9V), the charger will try to raise the cell to 1V and the LED will SLOWLY FLASH GREEN. If this occurs for more than 5 seconds, unplug the charger and remove the battery. Reinsert the batteries and try again.