

# ULTRALAST®

Ni-MH & NiCd AA, AAA, C, D, and 9V Quick Charger (UL-CC4H)

## OPERATING INSTRUCTIONS:

1. Insert 1-4 AA, AAA, C, or D size batteries; or 1-2 9V batteries in the battery compartment. **DO NOT CHARGE NICKEL-METAL HYDRIDE AND NICKEL CADMIUM BATTERIES AT THE SAME TIME.**
2. Switch the battery type selector to the correct battery chemistry. Choose Ni-MH for Nickel-Metal Hydride batteries or Ni-Cd for Nickel Cadmium batteries.
3. Plug the charger into a proper AC outlet. When AA, AAA, C, or D size batteries are placed in the charger, the LED lights (CH 1, CH 2, CH3 or CH4) will glow red, indicating quick charging. After the proper charge time is achieved, the red lights will automatically turn off, indicating the batteries are ready for use.
4. When 9V size batteries are placed in the charger, the green LEDs will glow. The green LED lights will remain illuminated as long as the batteries are in the charger. Remove the 9V batteries from the charger at the specified time on the Charge Table below and they will be charged and ready for use. **NOTE:** Charging 9V batteries is performed manually, therefore the 9V batteries will continue to charge and the green LED will remain illuminated unless the batteries are removed from the charger. Not removing the batteries could cause them to explode, resulting in personal injury or property damage.
5. Unplug the charger to reset the timer on the charger every time a different or new set of batteries is charged. Unplug the charger and remove the batteries when not in use.

## CHARGE TABLE

### CHARGING TIME FOR NiCd CELLS

<u>Capacity of battery</u>	<u>By timer</u>
AAA - 240 - 300mAh	4 hours
AA - 750 - 800mAh	4 hours
C - 1400mAh	4 hours
D - 1400mAh	4 hours

### CHARGING TIME FOR NiMH CELLS

<u>Capacity of battery</u>	<u>By timer</u>
AAA - 550 - 850mAh	8 hours
AA - 1300 - 2600mAh	8 hours
C - 2300 - 3000mAh	8 hours
D - 2300 - 3000mAh	8 hours
D - 5000mAh	*16 hours

### CHARGING TIME FOR 9V CELLS

<u>Capacity of battery</u>	<u>By manual</u>
9V NiCd cell 110mAh	10 hours
9V NiMH cell 150-160mAh	15 hours

\*High capacity D cells need 2 cycles to completely charge. Perform one full charge cycle (red LED shuts off), then unplug the charger to reset the timer, and perform a second charge to ensure the D cell is fully charged.

## CAUTION:

- (1) Do not overcharge the batteries.
- (2) Do not expose charger to rain or moisture. For indoor use only.
- (3) Never charge Ni-MH and Ni-Cd batteries at the same time.
- (4) This charger is intended for use with Nickel Cadmium and Nickel-Metal Hydride rechargeable batteries only. Attempting to charge other battery chemistries may cause personal injury and damage the charger.
- (5) Never use an extension cord or any other type of attachment. This may result in fire, electric shock, or personal injury.
- (6) Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair. Do not use the charger if cord is damaged.
- (7) Do not disassemble the charger. Incorrect reassembly may result in a risk of electric shock or fire.
- (8) Always unplug the charger from the outlet before cleaning or maintenance.
- (9) Charger and batteries are not intended for use by children. Item may be harmful if used or handled improperly.