



**Caution:**

Do not overcharge the batteries. Charger unit is for indoor use only. This charger is intended for use with Nickel Metal-Hydride batteries only. Attempting to charge any other type of battery may cause personal injury and damage to the charger.

**Warranty**

Your PROMASTER charger is warranted to be free of manufacturing defects for one year from the original date of purchase. If, during the warranty period, any part fails to function properly under normal use because of manufacturing defects or workmanship, it will be repaired at no charge for parts and labor or, at our option, the product will be replaced. The following is excluded: damages from delay or loss of use of equipment, or damaged batteries, malfunctions resulting from misuse, tampering, unauthorized repairs, modifications or accident.

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Fairfield,CT 06825

NiMH  
**Rapid Charger Kit**

with USB Power Output

**Important Safety Instructions are included. Please read the entire manual before use.**

**Owner's Manual**

Thank you for purchasing the PROMASTER Rapid Charger with USB Power. Please read this manual carefully. It contains important operating instructions for your charger. This charger will quickly and efficiently charge all AA or AAA Nickel Metal-Hydride (NiMH) batteries. It also has a convenient USB output port for charging your cell phone, MP3 player or any other device that accepts power from a USB port. The built-in high efficiency "switching" type power supply will adjust automatically to any voltage from 100 – 240VAC, for international use.

**Warning:**

- Batteries are partially charged as shipped. Must be charged prior to first use for full capacity.
- Charge only NiMH type batteries on this charger.
- **DO NOT** mix AA and AAA or different capacity batteries together when charging.
- Use only a PROMASTER or other proper NiMH compatible charger to recharge the included batteries.
- Batteries may leak or explode causing personal injury if inserted improperly, disposed of in fire, mixed with other battery types, or short circuited.

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**Charging Instructions**

1.The battery charger accepts 2 or 4 of either AA or AAA size batteries. If you are charging AAA size batteries, make sure to use the forward set of negative (-) contacts when inserting the cells. When charging 2 cells use either the two locations on the left or right side (see diagram - 1). Do not mix AA and AAA batteries when charging.

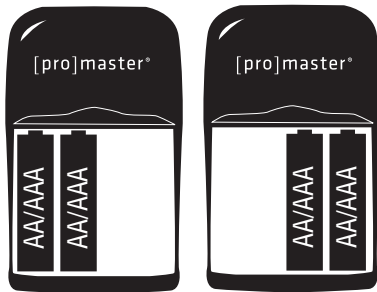


Diagram. 1- Charging 2 cells only

2. Flip out the AC prongs, built into the back of the charger, and plug into any available 100-240VAC outlet. The built-in switching power supply will adjust automatically. When using overseas, a proper plug adapter may be required (not supplied). When initially plugging the charger into AC power, the Green "USB" status LED will be on. Within 10 seconds, the Green USB status LED will turn off and the Red Charge LED's will come on for each location where batteries are installed and charging.

3. After charge is complete, the red "status" LED will turn off to indicate that the charge is complete and batteries are ready for use. Once the status LED is green, the charger switches to "trickle" mode to keep the batteries at full.

4. Once charge is complete, remove batteries and unplug charger as soon as it is practical. Do not leave batteries in charger for extended periods of time (more than 1-2 days) or when the charger is not plugged in. Unplug the charger when not in use.

5. Begin again at Step-1 to charge the next set of batteries.

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**Bad Cell Detection:**

When the charging process starts, the charger detects the health status of each of the cells in the battery compartment. If any battery is unsuitable for charging, i.e. short circuit or reversed polarity, the status LED will flash. The damaged cell(s) should be properly disposed of.

**USB Charge Port operation:**

The USB charge port takes priority over charging AA / AAA cells. If you have cells installed for charging and a device is plugged into the USB port, the charging of the AA/AAA cells will be halted until the USB port is no longer being used. Once the USB device is fully charged and stops using power or it is unplugged from the USB port, the AA/AAA cells will resume charging automatically. The Green LED indicates when the USB port is in use or available for use. The port has a maximum output of 500mA. Do not attempt to overload the USB port or damage to the charger or USB device may result.

**Charge Times:**

Size / Type	Capacity	Charge Time *
AAA	700 - 800mAh	2 - 2.5 hrs.
AAA	900 - 1000mAh	3 - 3.5 hrs.
AA	1800 - 2000mAh	3 - 3.5 hrs.
AA	2100 - 2300mAh	3.5 - 4 hrs.
AA	2500 - 2800mAh	4.5 - 5 hrs.

\* Charge time will vary with the capacity, condition, and amount of charge left in the battery to be charged.

**Specifications:**

Power Supply:	100-240V AC, 50-60 Hz International Compatible
Charge rate: (R2G804 only)	AA size - 2x 2.8VDC, 600mA AAA size - 2x 2.8VDC, 350mA Charge rate automatically selected
Charge rate: (R2G808 only)	AA size - 2x 2.8VDC, 360mA AAA size - 2x 2.8VDC, 150mA Charge rate automatically selected
USB Output:	5VDC, 500mA max.
Safety Features:	-delta V, max. temp, max. time, overcharge protection, bad cell / reverse polarity / shorted cell detection

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