



2-Hour World Charger Kit

Charges AA/AAA Rechargeable NiMH Batteries in 2 hours or less

This document contains important safety and operating instructions for the ProMaster 2-Hour World Charger Kit. Please read and follow all instructions before using this product.

IMPORTANT WARNING:

This device is for charging rechargeable **AA or AAA NiMH** batteries **ONLY**. Inserting any other batteries may damage the device, destroy the batteries and cause injury to the user. For best results, always use PROMASTER XtraPower batteries.

CAUTION:

- * Always unplug the charger when the charger is not in use.
- * Always unplug the charger from the power source before cleaning the charger.
- * Always replace frayed or damaged wire and broken plugs immediately.
- * Do not use, place or store the charger where it may come into contact with water or moisture.
- * Do not short-circuit the metal contacts of the battery and charger.
- * Do not disassemble, deform or reconstruct any part of the charger.

OPERATING INSTRUCTIONS:

1. Simply plug this charger into a household AC outlet. The LED indicator light will flash RED, then turn GREEN to indicate that it is ready for use.
2. When inserting batteries into the charger, refer to the embossed diagram inside each battery slot. Insert the batteries into the charger with the correct direction of polarity. To protect the user and batteries, the charger will NOT charge the batteries if they are placed into the charger with reversed polarity.
3. There are two separate charging channels built into this fast charger. Each channel will quick-charge two NiMH AA or AAA batteries.
4. The 2-color LED above the letter "A" is the charging indicator for the pair of AA/AAA batteries on the left. The 2-color LED above the letter "B" is the charging indicator for the pair of AA/AAA batteries on the right. (See Fig.1)
5. When two batteries are inserted into a charging channel, the LED will appear RED and charging will begin. As soon as the batteries are fully charged, the LED indicator will turn GREEN.
6. If the LED indicator turns RED and flashes, the batteries may be short-circuited or faulty. Remove the batteries and insert them into the charging slot again. If the LED still flashes RED, the batteries should be replaced.
7. After the batteries are fully charged, the charger will automatically switch to trickle charge mode to protect your batteries from over-charging and to maintain the batteries at maximum capacity for use at any time.
8. The two charging channels in this charger can work independently or together, resulting in eight different battery charging configurations. (See Fig. 2)

CHARGING Function

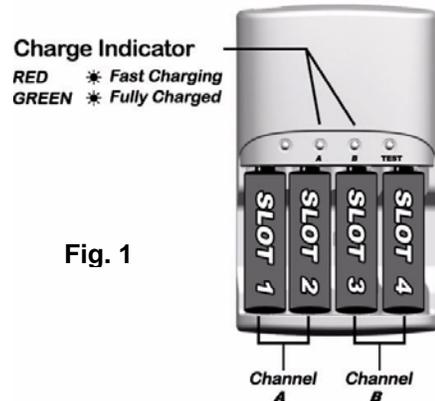


Fig. 1

Fig. 2



Available Charging Options.

9. For best results, make sure the pair of batteries to be charged in this charger are of the same brand and capacity rating, and are placed together in the same charging channel.
10. This battery charger is also designed to function as a BATTERY TESTER for rechargeable NiMH AA or AAA batteries.

TO CHECK THE REMAINING POWER IN YOUR BATTERY, PLEASE REFER TO FIG. 3 BELOW AND FOLLOW ALL STEPS.

TESTING Function



Fig. 3

- 1) The charger must be powered when using the tester.
- 2) Place the battery you wish to test in the TESTER SLOT.
- 3) Push the TEST button.
All of the Red LEDs will flash simultaneously to indicate the charger is in the TEST mode.
- 4) After a few moments, one, two or three LEDs will light to indicate the remaining power in your battery (see below). If no LEDs light, your battery is empty.

BATTERY STATUS LED INDICATORS

| | | | |
|--------------|---|---|---|
| EMPTY | ○ | ○ | ○ |
| LOW | ● | ○ | ○ |
| MED. | ● | ● | ○ |
| HIGH | ● | ● | ● |

Only the battery placed in the TESTER SLOT is being tested. Multiple batteries must be tested individually.

IMPORTANT NOTES:

1. All batteries will naturally discharge themselves over time even if they are not in use. To prolong their service life, it is recommended that you do not let a battery sit idle for more than two months without recharging. Be sure to recharge your batteries before you use them.
2. It is normal for batteries and charger to become warm to the touch during charging.
3. Always insert the battery into the charger with the correct polarity.
4. Batteries will not charge if there is only one AA or AAA battery inserted into either of the two charging channels in this charger.
5. Always keep metal contacts on both charger and battery clean by wiping the surfaces with a dry, soft and clean cloth.
6. Remove your batteries from the device (digital camera, music player or other portable electronic device) after use. These devices will continue to drain a small amount of current from your batteries even if the device is turned off.
7. Batteries should always be stored properly in the storage box included with this product. Storage in any other manner can cause the batteries to short or be otherwise damaged, leading to explosion or other potentially dangerous conditions.

TROUBLE SHOOTING:

If the RED (charge) LED indicator does NOT light up when the charger is plugged into a power source and the batteries have been inserted:

- * The battery may not be properly inserted. Unplug the charger from power source and check to make certain the batteries are seated properly.
- * Check and make sure metal contacts on both charger and battery are clean.

If the battery takes a much shorter time to reach full charge:

- * There may still be some power left in the battery prior to being charged.
- * The battery is getting old and should be replaced.

If the battery is providing a much shorter operating time after being fully charged:

- * The battery may have sat idle for too long.
- * The battery is worn out and about to reach the end of its service life. All rechargeable batteries will eventually wear out after being used for a certain number of cycles.

ONE YEAR UNCONDITIONAL GUARANTEE

If for any reason, your ProMaster product fails within ONE YEAR of the date of purchase, return the product to your ProMaster dealer and it will be exchanged for you at no charge. ProMaster products are guaranteed for ONE FULL YEAR against defects in workmanship and materials. If at any time after one year, your ProMaster product fails under normal use, we invite you to return it to ProMaster for evaluation and repair.

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