



# MAGNETEK

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## MATERIAL HANDLING

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### **E10674-0 NiMH Battery Charger**

**For the  
BT108-0 Battery**

**Note: All new rechargeable battery packs must be charged before usage.**

### **GENERAL PRECAUTIONS**

- Use of this device is intended for charging BT108-0, NiMH (Nickel Metal Hydride) rechargeable batteries only.
- Do not attempt to use this product on non-rechargeable battery packs.
- For best performance of the battery, avoid charging the battery pack for more than 24 hours.
- Please familiarize yourself with the instructions before attempting to use.
- Do not dispose of a battery pack in fire; it may explode.
- Do not charge or operate in a hazardous environment.
- Do not short circuit battery or charger.
- Do not attempt to charge a damaged battery.
- Do not attempt to open the battery pack.
- Recharging a battery only after it is fully discharged will prolong its life.
- Avoid recharging battery when fully or near fully charged.
- The charger unit is not intended for outdoor use. Use only indoors.
- Keep the battery pack environment cool during charging operation and storage, (i.e., not in direct sunlight or close to a heating source).
- Always dispose of used batteries per appropriate regulations.
- Rechargeable batteries, for longest life, should be recharged at least every 6 months even if they are in storage.

### **CHARGING INSTRUCTIONS**

- Plug charger power supply in to 110 VAC 60 Hz power source. The charger will have about 14 VDC across its + and H terminals with no battery in it. The plus terminal is labeled "+" and negative terminal is labeled "H".
- Slide battery in to charger until the battery latches.
- The single red LED will come on, when a battery pack is inserted in the charger and the charger detects a good battery.
- There are three charging levels: High rate: 500 mA, Top off: 40 mA and Trickle: 13 mA.
- The charger automatically switches from "High rate" to "Top off" then "Trickle" charge by measuring rate of change of temperature and time of charging.
- If a discharged battery pack is too cold the LED will come on and it will trickle charge until the pack warms up and then switch to high rate charge.

- It should take 3 to 4 hours to charge a fully discharged pack, at which point the LED will turn off and the charger will add a top off charge and then switch to trickle charge.

**Conditioning:** A rechargeable battery pack may experience a low usable capacity during the first few charge cycles due to long storage. Do not be concerned. To condition a battery, simply charge and **completely** discharge your battery pack through normal use for 5 cycles and you should obtain a nominal capacity. Also, if your battery capacity appears degraded after frequent recharges, repeating the above procedure may restore some of the lost capacity.

A fully charged battery will be over 8.0 VDC. A fully discharged battery will be under 6.0 VDC.

If there are any problems or questions in the operation of this unit please contact Magnetek Service as follows:  
During normal business hours Monday through Friday (7:30am – 5:00pm CST) 1-800-288-8178.  
After normal business hours 1-866-MAG-SERV (1-866-624-7378).