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A10723-0

Lithium Ion Battery Charger for

BT111-1

Lithium Ion (Li-Ion) Battery

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

GENERAL BATTERY AND CHARGER PRECAUTIONS

- Use of this device is intended for charging BT111-1 (Lithium Ion) 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 carry battery in pocket, coins or paper clips can cause shorts).
- Do not attempt to charge a damaged battery.
- Do not attempt to cut or 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.
- Always unplug the charger when not in use.
- Do not store, place or use the charger where it could come into contact with water or moisture.
- Always replace frayed or damaged wire and broken plugs immediately.
- Use this charger with the AC adapter included in the package only.
- To reduce the risk of electric shock, unplug your charger from the wall outlet before cleaning.
- Do not submerge battery in water.
- If battery leaks avoid contact with electrolyte.

CHARGING INSTRUCTIONS

1. Connect barrel plug end on the AC adapter into the socket at the side of this charger unit and the AC plug into any standard AC wall outlet. The GREEN LED light on the charger will go on to indicate the charger is ready for use.
2. Insert your Li-Ion battery on the charging plate making sure it is placed on correctly to match the arrow on the charger with the arrow on the battery. You will know you have made proper contact when the LED light turns RED to indicate that this unit has begun to quick charge your Li-Ion battery. It is normal the charger or battery may become warm when recharging.
3. It should take about an hour to charge a fully discharged pack.
4. When the battery is charged up to approx. 90 % of its rated capacity, the LED light on this charger will turn GREEN. The charger is now in the "TRICKLE CHARGING" mode to ensure charging safety. To obtain a 100% battery charge, you are recommended to leave your battery on the charger unit for one more hour after the LED turns GREEN. However, the battery can be removed and used immediately, causing no problems to the battery, charger, or unit.
5. To achieve full capacity charge Lithium-Ion batteries require two full discharge and charging cycles.
6. Recharge batteries before putting into storage for best life.
7. When a battery is done charging remove from charger over charging can damage a battery.

TROUBLE SHOOTING TIPS:

If the GREEN LED indicator does not turn RED:

- Check to see if the charger is plugged with power and battery has been attached.
- Check if the power remaining in battery is still at high level. A fully charged battery will be about 4 VDC.
- Check with a voltage meter to see if the battery is dead, faulty or worn out. All rechargeable batteries will eventually wear out after being charged a certain number of cycles.
- The battery contacts may not be touching contacts on charger unit. Unplug the unit and check connection of the battery to the charger.
- Use a clean, dry cloth when necessary to keep the metal contacts of both charger and battery clean.
- Check the charger, there will be about 8.5 VDC across its + and - terminals with no battery in it.

If there are any problems or questions in the operation of this unit please call Telemotive Service.