

Magnetek MLTX, SLTX and Pendant Battery Charger

NiMH Battery Charger
(Smart Charger)

Instruction Manual

For use in:

E10670, E10757 and E10759 Battery Charger
Assemblies



MAGNETEK

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Your New Battery Charger

If your product ever needs modification or service, please contact one of our representatives at the following locations:

U.S. Service Information

For questions regarding service or technical information contact:

**1.866.MAG.SERV
(1.866.624.7378).**

Magnetek, Inc.
N49 W13650 Campbell Drive
Menomonee Falls, WI 53051

Telephone: 1.800.288.8178

Website: www.magnetekmh.com
e-mail: info@magnetekmh.com

Fax Numbers:

Main: 1.800.298.3503
Sales: 1.262.783.3510
Service: 1.262.783.3508

Canada Service Information:

4090B Sladeview Crescent
Mississauga, Ontario
L5L 5Y5 Canada
Phone: 1.800.792.7253
Fax: 1.905.828.5707
1.416.424.7617 (24/7 Service pager)

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5) Replacement Parts

<i>178-01186-0020: BT114-0 Rechargeable Battery</i>
<i>178-01186-0030: BT115-0 Rechargeable Battery</i>
<i>178-00805-0020: BT122-0 Rechargeable Battery</i>
<i>178-00805-0030: BT123-0 Rechargeable Battery</i>
<i>178-01761-0010: 10KP Rechargeable Battery</i>
<i>178-01186-0040: BT114-1 (Class 1 Div 2) Rechargeable Battery</i>
<i>178-01186-0050: BT115-1 (Class 1 Div 2) Rechargeable Battery</i>
<i>178-00203: Parallel Cable</i>
<i>178-01681-0010: DC Power Adapter assembly</i>
<i>178-00202: AC Power Adapter assembly</i>
<i>178-00193: Charger assembly for BT114-0 and BT115-0</i>
<i>178-00819-0010: Charger assembly for BT122-0 and BT123-0</i>
<i>178-01227-0010: Charger assembly for 10KP</i>
<i>178-00687: Charger Assembly for BT114-0 and BT115-0 with parallel cable</i>
<i>178-00819-0020: Charger assembly for BT122-0 and BT123-0 with parallel cable</i>
<i>178-01227-0020: Charger assembly for 10KP with parallel cable</i>
<i>178-00193-DC: Charger assembly for BT114-0 and BT115-0 with DC Power Adapter</i>

4) Troubleshooting

Problem	Possible Reasons	Suggestions
Status LED is solid Red	Batteries too hot/cold	A battery must be from 50-104°F (10-40°C) to charge. Charging will resume when the battery gets back to its specified temperature range.
	Wrong battery type	If the wrong type of battery is placed in the charger, it will not charge. Make sure the correct battery type is used. ONLY USE BATTERIES PROVIDED BY MAGNETEK!
	Contacts are dirty or damaged on the battery	Remove the battery pack from the charger and inspect the battery contacts on the bottom. If dirty, wipe with Isopropyl alcohol. DO NOT SUBMERGE. If damaged, replace the battery pack.
	Contacts are dirty or damaged on the charger	Unplug the charger from the power source, and then inspect the battery contacts. If dirty, wipe with Isopropyl alcohol. DO NOT SUBMERGE. If damaged, replace the battery charger.
	Battery has not indicated full charge in allotted time	Various environmental conditions may elicit the charger to fail to recognize a full charge condition. In this case, the charger will stop charging after a pre-programmed time and indicate a fault. If this happens repeatedly contact Magnetek, Inc. as the charger may require service.
	Charger too hot/cold	Re-locate charger to an environment that does not exceed 50-104°F (10-40°C).

Table 1.0



MLTX's E10757 is used with
 BT114-0 and BT114-1 Battery (7.2 Volt)
 BT115-0 and BT115-1 Battery (12 Volt)



SLTX's E10759 is used with
 BT122-0 Battery (7.2 Volt)
 BT123-0 Battery (12 Volt)



Pendant's E10670 is used with
 10KP Battery

1) Warnings and Cautions

WARNING, *CAUTION*, and *Note* statements are used throughout this manual to emphasize important and critical information. You must read these statements to help ensure safety and to prevent product damage. The statements are defined below.



WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTE: A note statement is used to notify users of installation, operation, programming, or maintenance information that is important, but not hazard-related.

3) MULTIPLE CHARGERS (Max. 3)

1. **You can use up to three chargers with one power supply.** Using more will damage the charger and/or power supply. This will also void the warranty.
2. Plug charger power supply adapter into 120 VAC 60 Hz power source. Plug the adapter jack in the charger base connection labeled "IN".
3. In the charger that has the power supply adapter, plug the parallel cable (178-00203) in that charger base connection labeled "OUT".
4. In the next charger, plug the other end of the parallel cable into the charge base connection labeled "IN".

NOTE: The LEDs on the battery charger only light up with the connection of a battery pack.



Figure 4

- Once in place, both LEDs will illuminate (RED and GREEN), indicating the battery is charging.



Figure 3

- When the battery is fully charged, only the GREEN LED will be illuminated. The battery will be charged within 3 hours.
- If an error has occurred with the charging process, the green LED will turn off and the RED LED will be illuminated. Remove the battery from the charger and try again (see **Table 1.0** for more troubleshooting instructions).

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

Conditioning: A new rechargeable battery pack may experience a low usable capacity during the first few charge cycles due to long storage. This is normal. Battery capacity will be restored after several full charge/discharge cycles.



- This manual includes instructions regarding the safe operation of the Magnetek E10670/E10757/E10759 series of battery chargers. If you ignore these instructions you are assuming responsibility for damages, costs, or injury incurred by such disregard.
- These battery chargers contain no customer serviceable parts. Opening or tampering with the internal electronics will void the manufacturer's warranty.
- Do not make any changes or modifications to the charger unit. Failure to comply will void the manufacturer's warranty.
- Do not attempt to open a rechargeable battery pack. The pack has been permanently sealed at the factory and contains no serviceable parts. If the pack has been damaged in any way, immediately cease use of the battery pack and dispose of it in accordance with all applicable regulations.



CAUTION

- Please familiarize yourself with these instructions before attempting to use.
- Use of these devices is intended **ONLY** for BT114-0, BT114-1, BT115-0, BT115-1, BT122-0, BT123-0, and 10KP rechargeable batteries.
- Do not attempt to charge alkaline or other non-rechargeable batteries.
- Do not expose batteries to excessive heat or fire. Failure to do so could lead to an explosion and cause serious personal injury.
- Do not charge batteries or operate the charger in a hazardous environment.
- Do not short circuit battery or charger terminals.
- Do not attempt to charge a damaged battery.
- For indoor use only. The charger unit is not intended for outdoor use.
- Keep the environment between 50-104° Fahrenheit (10-40° Celsius) during charging operations. Do not operate charger in direct sunlight or close to a heating source.
- Do not store batteries in the charger.
- Store batteries between 0-85° Fahrenheit (-20-30° Celsius)
- Always dispose of used batteries in accordance with appropriate regulations.
- Use only with approved Magnetek products. Not for use with other manufacturer's products. Do not attempt to manually discharge battery packs.

General Suggestions:

- For the longest battery life, rechargeable batteries should be recharged at least every 6 months, even when in storage.
- Recharging a battery only after it is fully discharged will prolong its life.
- Avoid recharging battery when fully or near fully charged.

2) Single Charger Instructions

1. Plug the provided power supply into the IN power jack as shown in Figure 1.

NOTE: The LEDs on the battery charger only light up with the connection of a battery pack.



Figure 1

2. Insert the battery into the slot until the battery settles at the bottom

NOTE: On chargers equipped with Velcro strap, use the Velcro strap to secure the battery to the charger to ensure a clean secure connection to the battery pack. See Figure 2 for illustration.



Figure 2