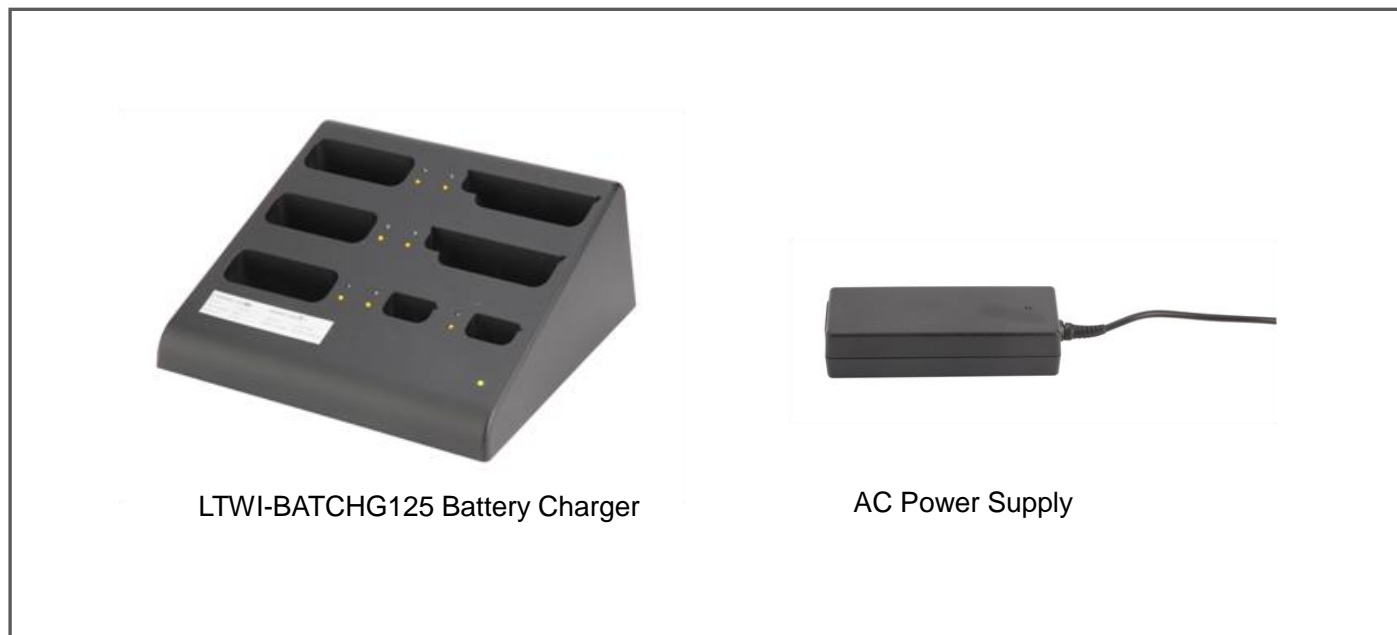# LTWI-BATCHG125

Battery Charger
Operating Instructions

INTRODUCTION

The LTWI-BATCHG125 is a seven-bay charger for charging the LTWI-BAT50 and LTWI-BAT150 rechargeable battery packs. It is able to charge up to five Belt Packs and two LTWI-BAT50 rechargeable battery packs either separately or together. It takes approximately 4.5 hours to fully charge. Using the Belt Pack/LTWI-BAT150 two-way bays, up to two LTWI-BAT150 rechargeable battery packs can be charged instead of the two Belt Packs. LEDs indicate the charging status at all times.
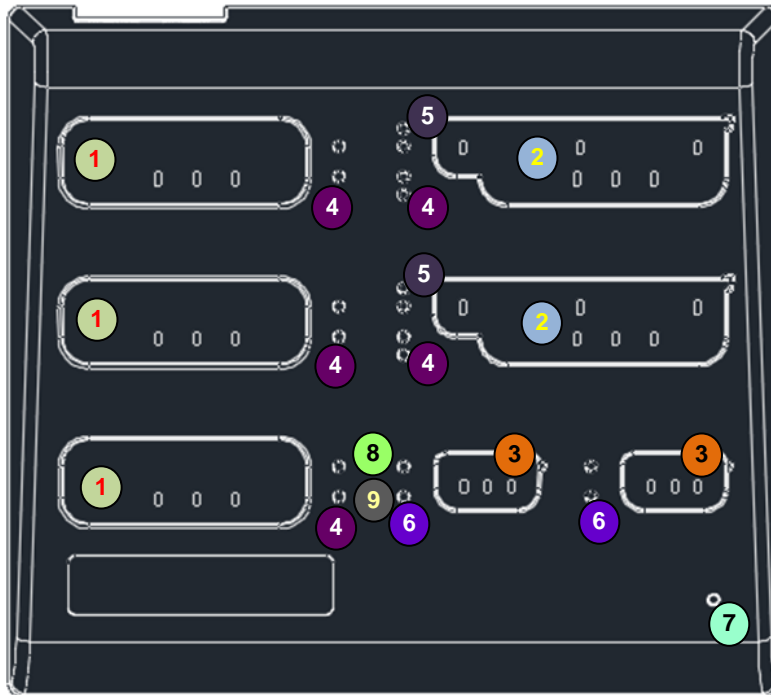
LTWI-BATCHG125 BATTERY CHARGER EQUIPMENTS

LTWI-BATCHG125 Battery Charger   AC Power Supply

CHARGING ITEMS

LTWI-BAT50
Rechargeable Battery Pack

LTWI-
BP750/550/250/150
Belt Packs

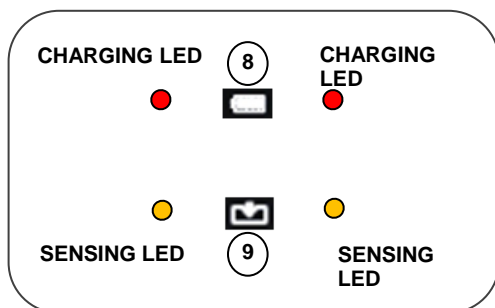LTWI-BAT150
Rechargeable Battery Pack

EQUIPMENT OVERVIEW

[Figure 1: LTWI-BATCHG125 Battery Charger]

1. Three stations for charging Belt Pack not separating the LTWI-BAT50 rechargeable battery pack from the Belt Pack body
2. Two stations for charging either Belt Packs or LTWI-BAT150 rechargeable battery pack
3. Two stations for charging LTWI-BAT50 rechargeable battery pack
4. Charging LED (Red/Green) and Sensing LED(Amber) foreach Belt Pack
5. Charging LED (Red/Green) and Sensing LED(Amber) for each LTWI-BAT150 rechargeable battery pack
6. Charging LED (Red/Green) and Sensing LED(Amber) for each LTWI-BAT50 rechargeable battery pack
7. Power LED

[Figure 2: Status LEDs]

8. Charging LED(Red/Green)
9. Sensing LED(Amber)

CHARGING LED (⬚)		SENSING LED (⬚)	
RED ON	: CHARGING	AMBER ON	: NO BATTERY
RED FLASHING	: FAILED	AMBER FLASHING	: BATTERY IS HOT
GREEN ON	: READY		

[Figure 3: LED indication Label]

10. LED indication Label

[Figure 4: Rear panel of the LTWI-BATCHG125 battery charger]

11. Power connector

12. Power switch
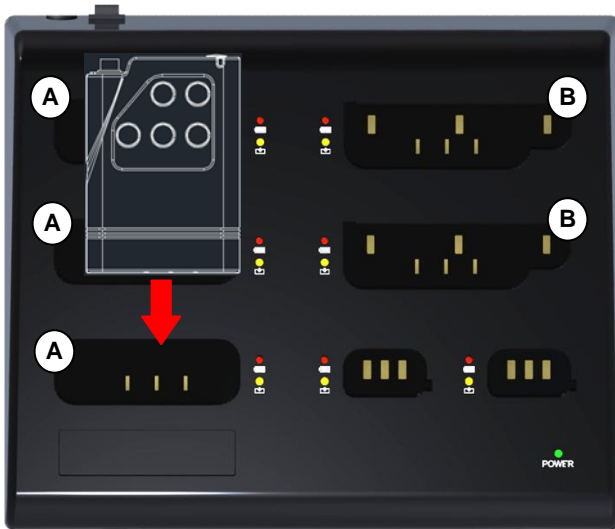
LTWI-BATCHG125 BATTERY CHARGER SETUP

Step 1: Plug the DC cable of the enclosed wall-adapter power supply into the 12VDC power connector (#11) on the rear panel of the LTWI-BATCHG125 unit. Plug the other end of the power code into a standard wall outlet.

Step 2:. Toggle the POWER switch (#12) on the rear panel of the LTWI-BATCHG125 to power on. Then a green power LED (#7) should go on. While plugged in, the power LED will stay on.

HOW TO USELTWI-BATCHG125 BATTERY CHARGER

CHARGING BELT PACKS

1. Ensure that the LTWI-BAT50 rechargeable battery pack is installed correctly inside of the Belt Pack you need to charge.
2. Confirm that the Belt Pack is turned off. Belt Packs will not be charged properly while the power is on.
3. Put the Belt Packs into the proper charging bays. As shown from the Figure 5, the three ports of (A) are dedicated stations for Belt Packs and the two ports of (B) are two-way stations for either Belt Packs or LTWI-BAT150 rechargeable batteries.
4. By docking the Belt Packs or Batteries, confirm that the amber sensing LED is off and the red charging LED is steady on.
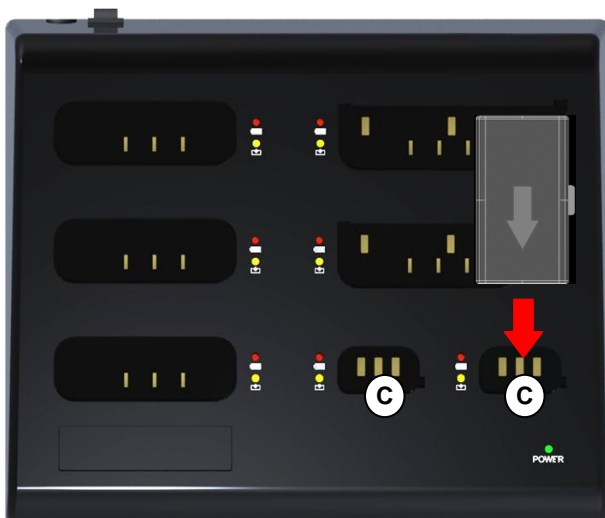
[Figure 5: Put the Belt Pack into the charging bay (A) and or (B)]

ALERT!

- Do not attempt to charge any batteries other than maker designated rechargeable NiMH batteries otherwise, it may cause damages. If you attempt to charge alkaline battery into the charger, a red charging LED will be blinking to alert a warning.
- Turn off the Belt Pack before charging.
- It is recommended to store the battery after fully charged and separating from the Belt Pack.

CHARGING LTWI-BAT50 RECHARGEABLE BATTERY PACKS
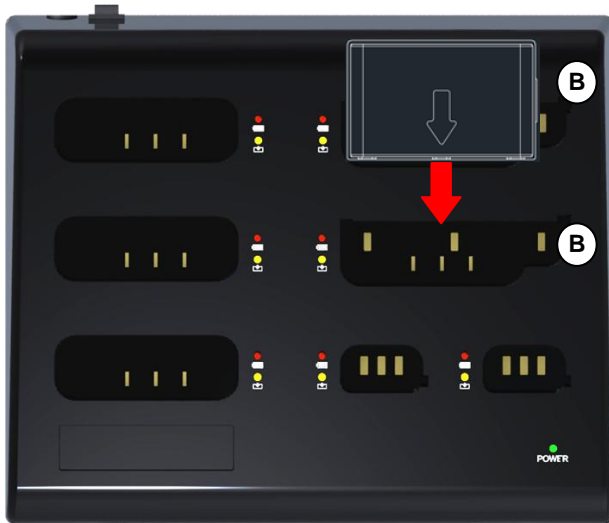
1. PutLTWI-BAT50 rechargeable battery packs into the proper charging bays. As shown from the Figure 6, the two ports of (C) are dedicated stations for LTWI-BAT50 rechargeable battery.
2. Confirm that the amber sensing LED is off and the red charging LED is steady on by docking the battery.

[Figure 6: Put the LTWI-BAT50 Rechargeable Battery Pack in the charging bay (C)]

CHARGING LTWI-BAT150 RECHARGEABLE BATTERY PACKS

1. Put LTWI-BAT150 rechargeable battery pack into the proper charging bays. As shown from the Figure 7, the two ports of (B) are the two-way stations for either LTWI-BAT150 rechargeable battery or Belt Pack.

2. Confirm that the amber sensing LED is off and the red charging LED is steady on by docking the battery.

[Figure 7: Put the LTWI-BAT150 Rechargeable Battery Pack into the charging bay (B)]

CHARGING AND SENSING LEDs

The indications of battery status LEDs next to each charging station are as follows;

● Sensing LEDs in amber next to each charging station stay on while the bay is empty. When a Belt Pack, LTWI-BAT150 or LTWI-BAT50 rechargeable battery is inserted properly in each of the relevant bay, sensing LED of the relevant charging station should go off and the charging LED goes on in red.
If the sensing LED in amber is steady on after a battery is inserted in a charging station, there may be a defect on either the rechargeable battery pack or LTWI-BATCHG125 battery charger. The issue may be detected with the following tests;
Try to put the relevant battery pack 'A' into other bays. If the amber sensing LED is steady on, try to put another battery pack 'B' into the same bay. If the amber sensing LED goes off and red charging LED goes on, it indicates that the battery pack 'A' is faulty. If the amber sensing LED is still steady on when the battery pack 'B' is inserted, it indicates that the LTWI-BATCHG125 battery charger is faulty.

● When a battery is in a bay and the sensing LED flashes in amber, it indicates that the battery is too "HOT". In this case, please remove the battery from the charger and cool it down.

NOTE: When the amber sensing LED blinks, the battery charger will quit thecharging automatically. The LED keeps blinking if the battery is not removed.

● When a battery 'A' is in a bay and the charging LED flashes, it indicates "Failure to charge". It may happen when either the rechargeable battery packor the LTWI-BATCHG125 battery charger is faulty. Retry it in a different bay by using the same rechargeable battery pack 'A'. If "Failure to charge" happens again with the red charging LED flashing, put another battery pack 'B' into the same bay. If the new

battery 'B' works well, it indicates that the rechargeable battery pack 'A' is faulty. If the new battery pack 'B' fails in any bay the same, it indicates that the LTWI-BATCHG125 battery charger is faulty.

NOTE: When the red charging LED blinks, the battery charger will quit the charging automatically. The LED keeps blinking if the battery is not removed.

- A charging LED next to a charging stationis steady red on while a rechargeable battery pack in the bay is being charged. The charging LED turns to green when therechargeable battery pack in the bay is fully charged.

NOTE: Make sure to remove the battery, once the battery is fully charged with the green charging LED on. The battery charger will quit the charging automatically, once fully charged.

NOTE: Rechargeable AA-size NiMH (nickel-metal hydride) batteries are used inLTWI-BAT150 and LTWI-BAT50 rechargeable battery pack. Like all rechargeable batteries, LTWI-BAT150 and LTWI-BAT50 rechargeable battery pack have the limited charging cycles. The battery life and charging capacity are greatly depending on the usage, storage condition and etc. It is recommended to replace the battery every six months when using them under certain circumstances. The battery status can always be monitored from the front panel display of the Belt Pack and Base Station. The battery is fully charged but ifthe statusbar tends to drop quickly down, it may be time to replace the battery to new one. Also, extensive over-charging may damage or shorten the battery life.

To detect "Failure to charge", the LTWI-BATCHG125 battery charger monitors the battery's voltage, temperature and time under charge. Any of these conditions may cause "Failure to charge" of the battery charger. To detect "HOT" status of batteries, the LTWI-BATCHG125 battery charger monitors the thermal sensor in the rechargeable battery pack. If the battery is in "HOT" status, the battery charger quits the charging automatically.

TECHNICAL SPECFICATIONS

LTWI-BATCHG125 BATTERY CHARGER

Power Input………………….....   15V DC, 7A, 105 Watts Maximum
Operating Temperature…………   32°F - 104°F (0°C– 40°C)
Number of Charging Ports..…… Seven port units for charging the LTWI-BAT150 and LTWI-BAT50
Rechargeable Battery Packs. Up to five Belt Packs and two BAT-50 batteries can be charged in one LTWI-BATCHG125 simultaneously. Up to two LTWI-BAT150 Rechargeable Battery Packs can be charged instead of the two Belt Packs.
Charging time………………....   Full charge of the battery pack is obtained after 4.5 hours maximum
Status Indicators………………   Power (Green) 1ea
Empty/Pending/Fail (amber) 1ea for each port
Charge/Ready (red/green) 1ea for each port
Weight…………………..…...   1294g without adapter and power cord (1955g with adapter and power cord)
Dimensions……………..…..…   237mm(W) x 210mm(L) x 100mm(H)

RECHARGEABLE BATTERY PACKS

BAT-150 Battery Pack :
   Battery type………………   7.2V 2450mAH NiMH rechargeable battery pack

BAT-50 Battery Pack :
   Battery type………………   2.4V 2450mAH NiMH rechargeable battery pack

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