

# **L111 Li-ion Battery Charger**

## **Instruction Manual**



## Unpacking and checking

Take the charger out of the packaging and make sure your new charger and the USB charging cable are undamaged and in good working order. You should find the following items in the packaging:



- L111 Li-ion battery charger



- USB charging cable (input/output)

## Charging instructions

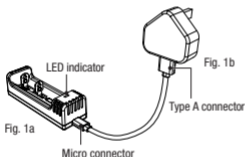
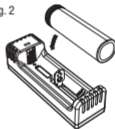


Fig. 2



### LED indicator (Fig. 3)

Status	LED indicator
Power connected	Flash red and green light once
Charging in progress	Constant red light
Charging completed	Constant green light
Battery is bad/incompatible	Flashing red light
Battery connected reversely	Flashing red light

### Compatibility

This charger is suitable for charging the following 3.7 V Li-ion rechargeable batteries: 10440, 10500, 12500, 12650, 13450, 13500, 13650, 14500, 14650, 16500, 16650, 17500, 17650, 17670, 18490, 18500, 18650, 18700, 20700, 21700, 22500, 22650, 25500, 26500 and 26650.

1. Connect the micro USB end of the cable to the micro USB port of the battery charger (Fig.1a).
2. Connect the other end of the USB cable to a wall charger (Fig. 1b) or similar USB port on a computer, power bank or car charger. The LED will flash red and then green one time to indicate charging can begin.
3. The Li-ion battery can now be inserted into the battery charger according to the correct battery polarity (Fig. 2).
4. Charging will commence and the LED indicator will show the status of the battery (Fig. 3).
  - If the battery length is under 65 mm, the charging current will be 500 mA; if the battery length is equal or longer than 65mm, the charging current will be switched to 1000 mA automatically.
5. Once the battery is fully charged (LED Constant Green) remove the battery and disconnect the battery charger from the power supply.
  - Charging time varies depending on battery capacities.

For best performance and optimal safety, always charge the GP Li-ion rechargeable batteries with the GP Li-ion charger.

## Features

- IC controlled for fast charging.
- Automatic current regulation (500/1000mA) based on battery length.
- Short circuit protection and reverse polarity protection.
- Automatically stops charging when battery fully charged.
- Reactivates low voltage batteries.
- Over-charge protection and over-voltage protection.
- Will not charge damaged or zero voltage batteries.

## Usage tips

- It is normal for batteries to become hot during charging and they will gradually cool down to room temperature after fully charged.
- Use of GP Li-ion rechargeable batteries with built-in protection board is highly recommended.
- Never fully discharge Li-ion battery below 2.8V.

## Specifications

- Battery charging input: DC 5 V / 1,000 mA
- Battery charging output: DC 4.2 V 500 mA/1,000 mA
- Related power consumption: 7 W
- Charger operation temperature: 0–35 °C

## Safety information

- This charger is designed to charge only Li-ion rechargeable battery. Charging other batteries may lead to explosion, battery rupture or leakage, personal injury or property damage.
- This charger is designed for indoor use only. Do not expose the charger to rain, snow or direct sunlight.
- Make sure the charger is used between 0–35 °C.
- To reduce the risk of injury, it is recommended that GP Li-ion rechargeable batteries are used.
- Do not use non-rechargeable, LiFePO<sub>4</sub>, NiMH or NiCd batteries.
- Do not use the charger in humid conditions.
- Do not use the charger if it has a damaged plug.
- Do not use the charger after it has been dropped or damaged.
- Do not open/disassemble the charger.
- This charger is maintenance-free but should be wiped clean regularly with a dry and soft cloth. Do not use abrasives or solvents. Unplug the charger before cleaning.
- Keep out children's reach! Children should be supervised to ensure that they do not play or damage the charger or accessories!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.