



User Manual

Before reading this manual, please make sure you have received the following items in the package:

- One Universal Battery Charger
- One 100-240VAC Adapter. Can be used both in USA and for travel abroad.
- One Car Charger

Features

- Use at home or in your car, ideal for travel
- Shows the charge status on the LCD display
- Identifies the polarity (“+”and“-”) of the battery automatically, and protects your battery by EEPROM and R-chip technology.
- Can charge 1.2V, 3.6V, 3.7V, 7.2V, 7.4V, 9V rechargeable batteries.
- The USB output is 5V @ 500mA, which can charge most mobile phone and digital camera batteries.
- Comes with over-voltage, short-circuit and over-charge protection.

Important Safety Instructions

1. **NEVER CHARGE A 9V BATTERY OR, 2-AA BATTERIES AT THE SAME TIME AS OTHER BATTERIES. ALWAYS CHARGE A 9 VOLT BATTERY OR 2-AA BATTERIES ALONE. FAILURE TO DO SO WILL RESULT IN DESTRUCTION OF THE CHARGER, AND POTENTIAL FIRE HAZARD.**
2. Do not charge both Ni-Mh & Ni-Cd rechargeable batteries at the same time.
3. This product is designed for rechargeable 3.6V-7.4V Li-Ion batteries and Ni-Mh, Ni-Cd, AA, AAA, 9V batteries, and smaller Li-ion cells only. To avoid personal injury and damage, **“do not”** charge any **non-rechargeable** lithium, alkaline, zinc chloride, or zinc carbon type batteries.
4. **DO NOT CHARGE A NON-RECHARGEABLE ALKALINE AA/AA/9V BATTERY WITH THIS CHARGER.**
5. This charger is for indoor and car use only. Do not expose the charger to rain or moisture.
6. Do not use the charger if it has received a sharp blow, been dropped, or damaged.
7. To reduce the risk of shock, disconnect the AC power source (Adapter) from the main outlet before attempting any maintenance or cleaning of the charger.
8. Do not charge a leaking, corroded or dead battery.
9. Do not attempt to repair the charger yourself, for service repair, please contact a qualified service technician.
10. Do not disassemble the charger.
11. Store the charger in a cool and dry place when not in use
12. Keep the charger away from children
13. Please only use the provided AC and Car adaptor to charge the unit.
14. **Only charge one battery type at a time. For single cells like AA, two at a time is permitted if they are both the same chemistry. Example: Do not charge a Li-Ion AA and a NiMH AA together.**

SPECIFICATIONS

Universal Charger:

- Input: 12V DC 1000mA Max
- Stand-by Current: 30mA
- Charge Current: 700mA Max
- USB output: 500mA
- 9V charge current: $\geq 80\text{mA}$
- Dimension: 13.6*6.2*3 Cm

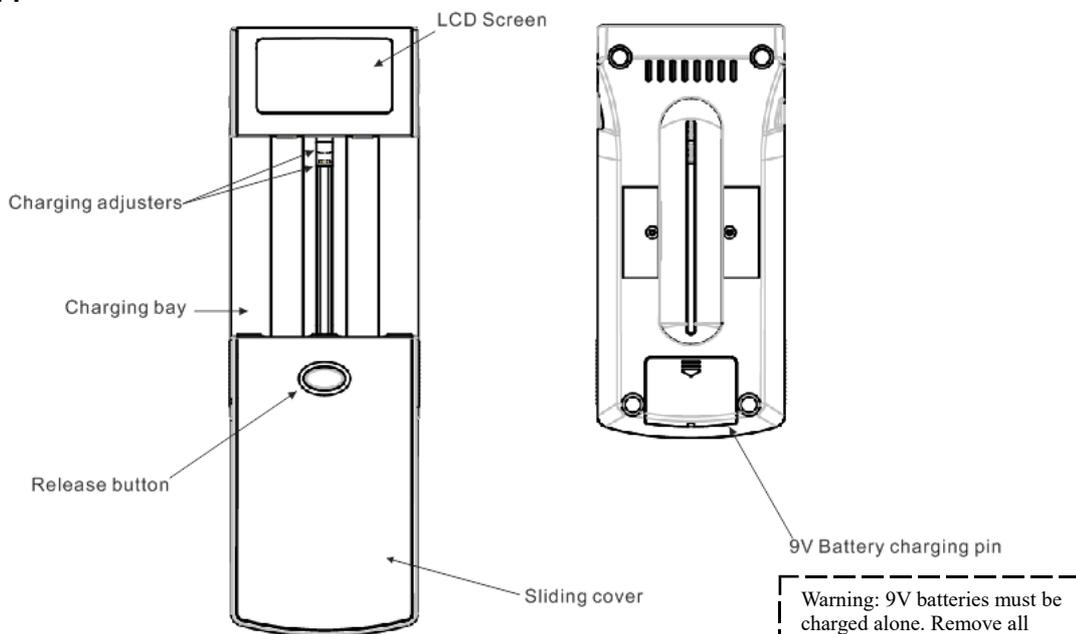
AC Adaptor:

- Input: 100-240V, means that this charger can be used in the USA or abroad.
- Output: 12V 1000 mAh (1A)

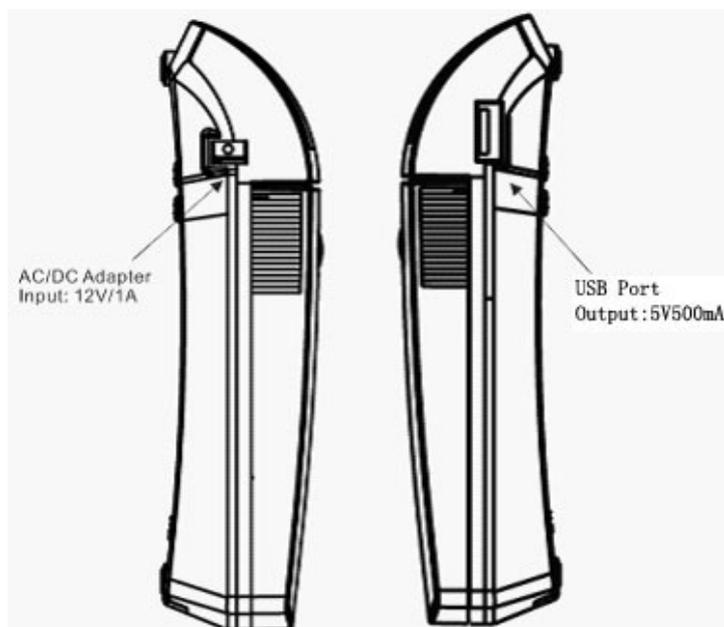
Car Charger:

- Input: 12 V
- Output: 12V, 1A max

Appearance



Warning: 9V batteries must be charged alone. Remove all other batteries from charger before use. Fire hazard



Operating Instructions (Important. Please read before use)

- Connecting the Power

- The charger is ready for use once the AC power adaptor is connected to the main power supply or the DC cigarette lighter socket plug is connected to the charger and the LCD display turns on. It is recommended that the battery be properly inserted into the charger before the power is connected.
- When using in car, connect the DC adaptor to the cigarette lighter socket and the DC out-plug to the charger. Ensure that current supply to the lighter socket is switch on. Some cars require the ignition to be switched on.

- Putting a 3.6V-7.4V battery in the multi-charger

Digital camera, camcorder, GPS, MP3, Cell or Smart phone, or other 3.6V-7.4V rechargeable Li-ion Batteries.

- Pull back the large sliding cover until it locks. Position the battery contacts facing the charger contacts. "See Fig. A".
- Using the sliding tabs on the underside of the charger, adjust the position of charger sliding contacts as shown below in order to align them to the + positive and - negative marked contacts of the battery.



Fig. A

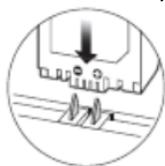


Fig. B



Fig. C



- Do not be concerned with which is + and which is -. The charger will automatically detect and adjust to the correct polarity.
- The battery may be positioned vertically like "Fig. B" (For most 3.6 - 3.7V batteries) or horizontally "Fig. C" (For most 7.2-7.4V batteries) depending on the battery type and position of the battery contacts. You only need to make sure that the 2 charger sliding contacts are touching the battery + and - contacts.
- Press the top button and release the moveable part of the charger carefully to make sure the battery is locked in position.
- Connect power supply. If the color LCD does not start working, one or both of the battery contacts have not touched the charger contacts and you will need to try again.

AA /AAA NiMH / NiCd 1.2V and Lithium-Ion 3.6-3.7V Rechargeable single cylindrical batteries or cells. **Do not mix chemistries when charging.**

- Warning – To avoid personal injury and damage, "do not" charge any non-rechargeable lithium, alkaline, zinc chloride, or zinc carbon type batteries.
- Pull back the sliding cover until it locks.
- Place in the battery with correct position:
" +" towards the LCD screen side
" - " towards the sliding cover side
- Press the button and release the moveable part of the charger carefully to make sure the battery is locked in position



Battery Removal

- Disconnect the power supply.
- Pull back the large sliding cover until it locks and remove the battery or batteries.
- Push the top button and gently let the top slide shut.

USB Ports

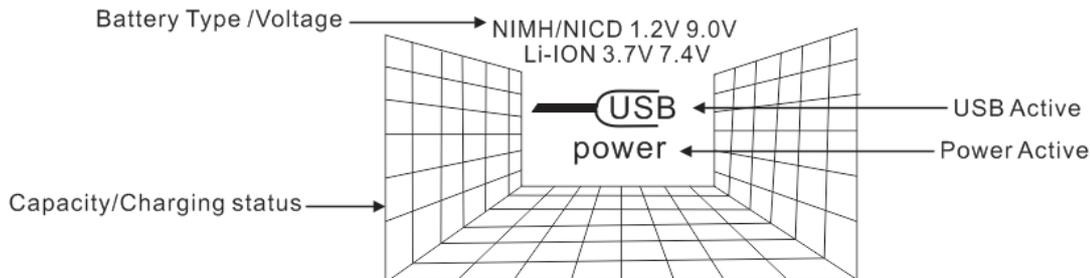
- Connect the USB connector from other device to the USB port on the charger.
- The charger is capable of charging batteries and USB device at the same time.

Rechargeable 9V Batteries

- The 9V charging connector is located under a removable cover on the underside of the charger.
- Remove the bottom cover and connect the 9V battery accordingly. **Warning: Remove all other batteries from charger before charging.** Otherwise charger will be destroyed and may be a fire hazard.



Instruction for LCD Display



Power Indicator

“Power” – Indicate the power is connected

Battery Type / Voltage Indicator

- “1.2V” - NiMh / NiCd AA/AAA Battery is connected
- “3.7V” - Li-ion 3.7V is connected
- “7.4V” - Li-ion 7.4V is connected
- “9.0V” - 9V battery is connected
- “USB” - USB device is connected

Battery Charging Status Indicator

The charging capacity is indicated by color flashing.

1 color flashing - The battery has reached 25% capacity.

2 colors flashing - The battery has reached 50% capacity.

3 colors flashing - The battery has reached 75% capacity

The flashing lights will stop flashing when the battery is fully charged.

Charge Times

Battery Voltage	Capacity	Estimated Time
1.2V	2000 mAh	3 Hours
3.6-3.7V	500 mAh	1 Hour
3.6-3.7V	1000 mAh	1-2 Hours
7.2-7.4V	1000 mAh	1-2 Hours
7.2-7.4V	2000 mAh	3 Hours