

Full-time Intelligent Charger

(Model No CL-11)

User Manual

Please read the entire manual before using this product.

I. Product features

1. Charge all Lithium batteries (3.6V/3.7V & 7.2V/7.4V) used by Cameras, Cell phones, Camcorders, PDAs, iPods (by 5V USB).
2. Intelligent Polarity Detection.
3. Fast/trickle charge and maintain in full charge.
4. Transfer power from Lithium batteries via USB output port to any USB rechargeable devices.
5. Manual rejuvenating function for over-discharged Lithium batteries or batteries that have not been used in for long time.
6. LED charging indicators.
7. Charge up to 3 different hand-held devices simultaneously.
8. Built-in safety protections, Over Voltage, Short Circuit and over-time.

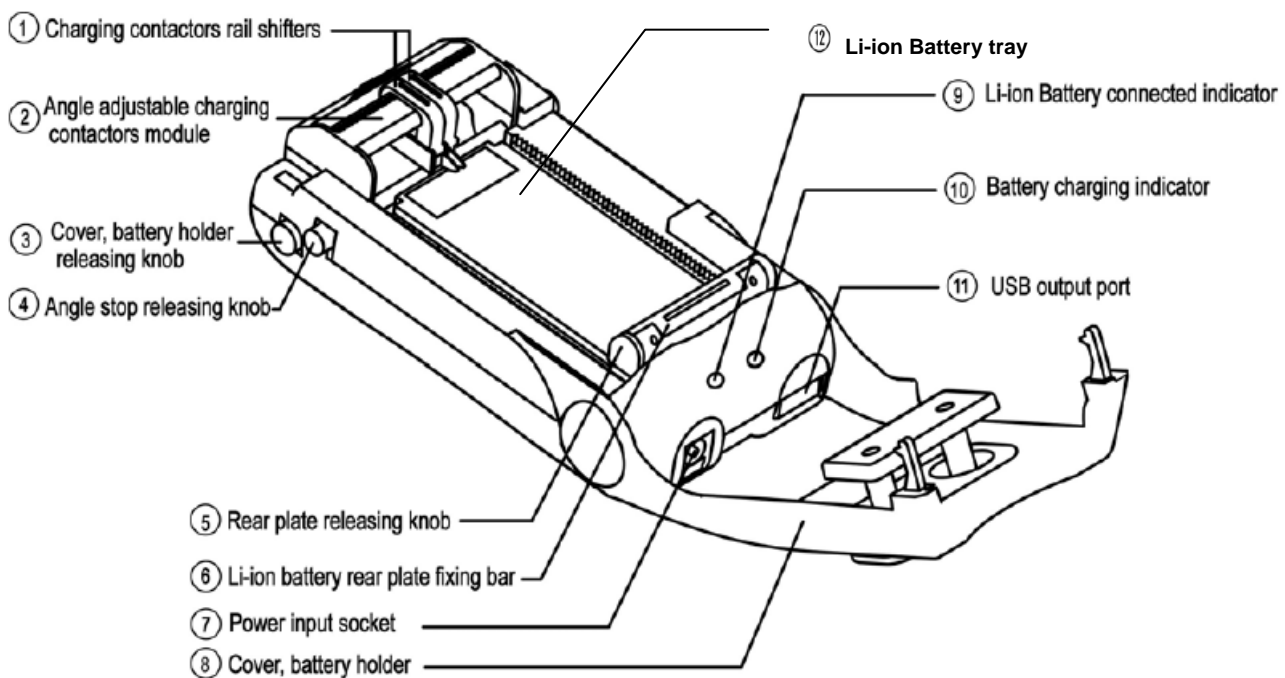
II. Contents

- Charger main unit
- AC Adapter

III. Important Safety Tips

1. **SAVE THIS INSTRUCTION** for future operation and safety purposes.
2. Try to void use of extension cord unless absolutely necessary.
3. To reduce the risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning.
4. Do not use charger in damp/wet locations or directly under the sun.

IV. Parts



V. Lithium-ion Battery Charging Mode

DO NOT connect the charger with the adapter before (Lithium) battery polarities are detected and Ready LED (9) is lit.

1. Remove the Lithium battery from its device, place it in the tray (12) of the charger.
2. Check polarity by adjusting the spring contactors with battery charging connections until the “Ready” LED indicator (9) turns on.

- **For Batteries with charging connections on the side panel:**

Adjust the spring contactors pointing horizontally by pressing both sides of “Angle stop releasing knob” (4), make contact with the battery charging connections until the “Ready” LED indicator (9) turns on, then affix the battery by using the Rear Plate Fixing Bar (6) or upper cover (8). (Fig. 2.1)

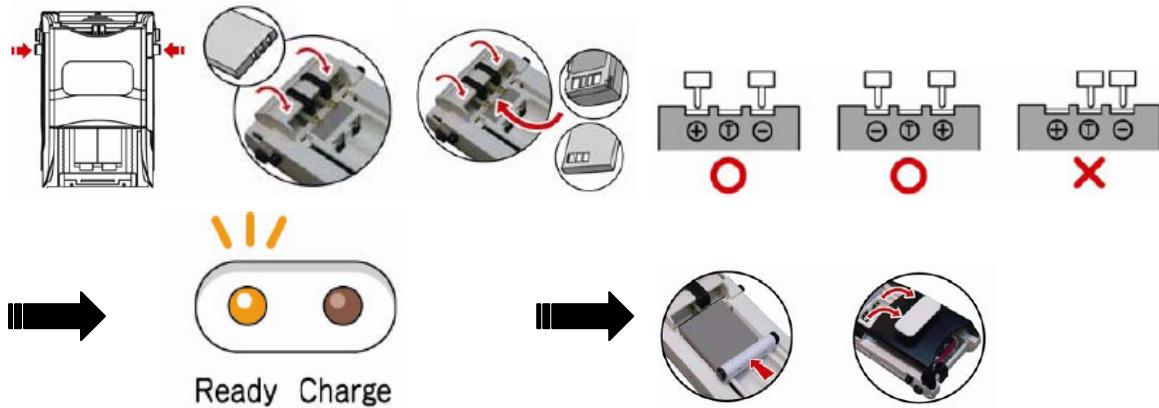


Fig. 2.1

- **For Batteries with charging connections on the flat panel:**

Adjust the spring contactors pointing up (vertically) by pressing both sides of “Angle stop releasing knob” (4), make contact with the battery charging connections until the “Ready” LED indicator (9) turns on, then affix the battery by using upper cover (8). (Fig. 2.2)

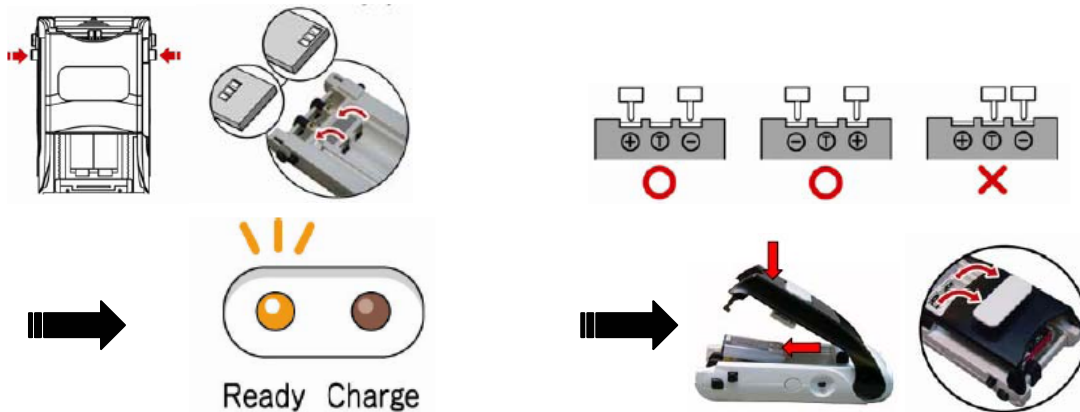


Fig. 2.2

3. Connect the AC adapter to the charger, plug into the AC power outlet to start charging.

* The power input Green Charge LED (10) will be lit when plugged to the AC power outlet. (Fig. 3.1)

AC power outlet



Fig. 3.1

4. When the Charger is powered by AC or 12V vehicle as power source, it can charge maximum one (1) lithium-ion battery in tray and two hand-held devices via USB output port simultaneously.

5. Some lithium batteries (Sony, JVC, Panasonic, etc...) come with “security charging terminal” marked with letter “C”, DO NOT contact these terminals with spring contactors during charging to avoid irrevocable damage. (Fig. 6.1)

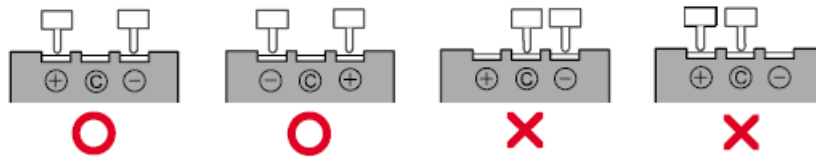


Fig. 6.1

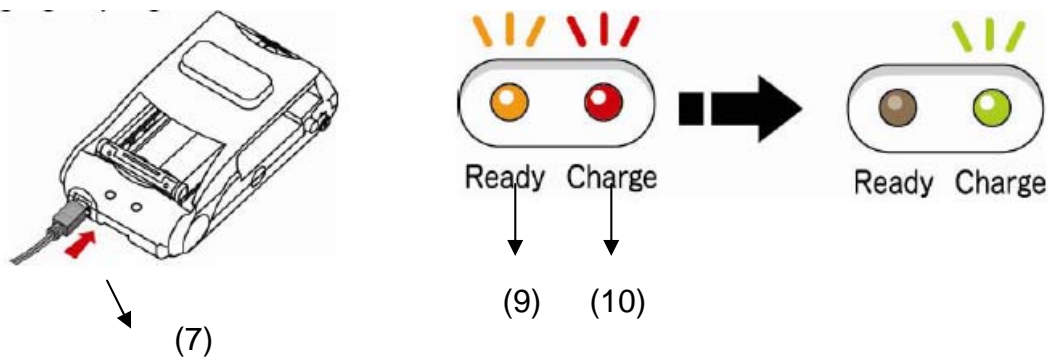
Note: To void damaging batteries with “security charging terminal”, DO NOT connect the charger with the adapter before (Lithium) battery polarities are detected and Ready LED (9) is lit.

VI. Charging Indication

1. When lithium-ion battery connectors are detected and secured, the Yellow “Ready” LED will be lit; push (6) forward and press the (8) cover holder to affix the battery.



2. When connect AC/DC power adapter to power input socket (7), the Green “Charge” LED (10) will be lit. The Charger is powered and ready to charge. When the Yellow “Ready” and Red “Charge” LED turn on, the installed battery is charging.



3. When the Yellow “Ready” LED turns off and the Red “Charge” LED (10) turns into Green, the battery is about 95% charged; it will then start trickle-charging for additional 30 minutes to reach maximum charged.

VII. USB Port Charging

All hand-held devices with tip connectors via USB DC 5V can be charged by this Charger. Connect the device to USB output port (11) and plug the AC adapter to AC power outlet. The charging status will be indicated on the screen of device.



IX. Power Transfer Charging Mode

1. Insert a fully charged spare battery into battery tray and secure connections, the yellow “Ready” LED (9) will be lit, then plug in any USB rechargeable hand-held devices into the USB power output port (11). The Charger starts transferring the spare battery as power source via 5V USB to charge any USB devices.



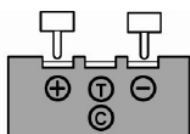
2. To avoid over discharge, remove the spare battery as soon as the “Ready” LED (9) is off. Replace fresh battery to continue charging if necessary.

Notes:

The Yellow Ready LED (9) will turn off when power transfer via USB is completed (unless the batteries to be charged might be over-discharged). Please check the charging status on the screen of the device.

X. Manual Rejuvenating Function

- A. If the battery has not been used for a long time or over-discharged (exhausted), the Yellow “Ready” LED (9) will not turn on even if battery is correctly connected. Place the spring contactors in contact with the positive (+) and negative (-) of the battery (Fig. B), then, plug AC adapter into the power input socket (7) until yellow “Ready” LED (9) and Red “Charge” LED turn on to start charging.



(Fig. B)

- B. If the Yellow “Ready” LED remains off after procedure A, swap the spring contactors between the positive (+) and negative (-) of the battery (Fig. C), then plug AC adapter into the power input socket (7) until yellow “Ready” LED (9) and Red “Charge” LED turn on to start charging.

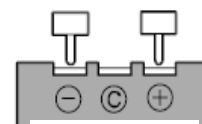


Fig. C

- If the Yellow “Ready” LED remains off after repeating both A and B procedures for a few times, this battery might be irrevocable.

XI. CAUTION

- This charger is only applicable to 3.6 / 3.7V batteries.

XII. Specifications

Input Voltage:	AC100 ~ 240V / DC 5V
Output Voltage:	4.25 and USB DC 5V.
Battery Types:	3.6 / 3.7V (lithium-ion).
Cell Phone charge time:	1.5~3 hrs (depending on battery capacity)
Materials:	Plastic (ABS 、 PC 、 POM)
Max charging current:	0.5 A (lithium-ion)
Dimensions:	12.3 x 7.5 x 4.5 (Lx W x H) Cm
Weight:	105g