

## 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) for portable personal devices such as Cellular phones, Digital Cameras, Camcorders, MP3/4 players, PDAs, GPS system, Blue tooth devices, iPod/ i Phone (5V USB) and AA/AAA Ni-MH batteries.
2. Patented design with Intelligent Polarity Detection. Fast/trickle charge and maintain in full charge. Patented IC to charge “data chip batteries” (©) (or coded batteries) by Sony, JVC, Panasonic and other brands for digital cameras and camcorders.
3. This unit can transfer power from lithium batteries and AA/AAA Ni-MH battery to any USB rechargeable devices via USB output port.
4. Revive function can charge the over-discharged (or exhausted) lithium batteries and AA/AAA Ni-MH rechargeable batteries, or batteries not been used for a long time.
5. Five (5) user-friendly, easy-to-read LED indicators.
6. Can charge multiple hand-held devices simultaneously by using our 1-to-2 splitter or 1-to-4 splitter overnight. (Additional tip connectors are required for the splitters; total charging time will add up accordingly by the number of devices).
7. Built-in safety protection features to avoid “over voltage”, “short circuit”, and “over-charge”.

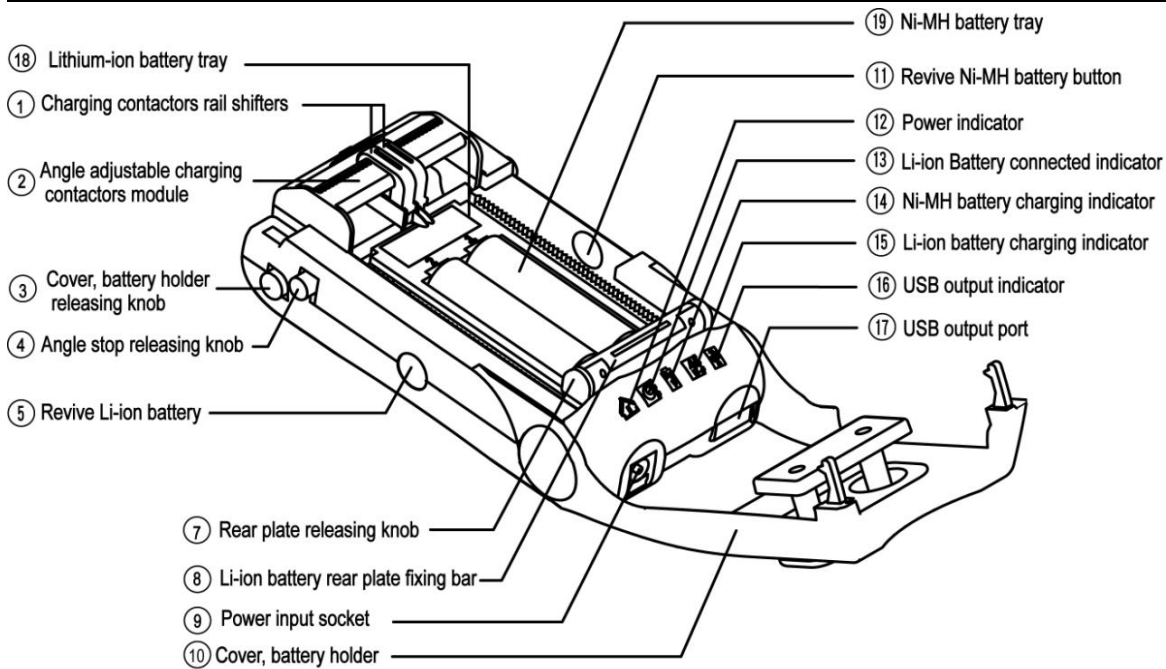
### II. Specifications

<b>Input Voltage:</b>	AC100 ~ 240V / DC 12V
<b>Output Voltage:</b>	4.25 or 8.5V and USB DC 5V.
<b>Battery Types:</b>	3.6 / 3.7V and 7.2 / 7.4 V (lithium-ion), AA / AAA Ni-MH rechargeable batteries, AA / AAA alkaline batteries (Power transfer charging only).
<b>Cell Phone charge time:</b>	Estimated 1.5~3 hrs (depending on battery capacity)
<b>Materials:</b>	Plastic ( ABS · PC · POM)
<b>Max charging current:</b>	0.7 A/0.5A (lithium-ion / Ni-MH)
<b>Dimensions:</b>	12.3 x 7.5 x 4.5 (Lx W x H) Cm
<b>Weight:</b>	130 g

### III. Important Safety Instructions

1. This manual contains important safety and operating instructions. Please read all instructions before using the charger.
2. Do not expose charger to water, rain, or snow.
3. Avoid using extension cord unless absolutely necessary. Use of improper extension cord may result in risk of fire and electric shock.
4. Do not disassemble charger, or the warranty is voided. Incorrect reassembly may result in risk of fire or electric shock.
5. Do not use charger in damp or wet locations.

### IV. Parts Names



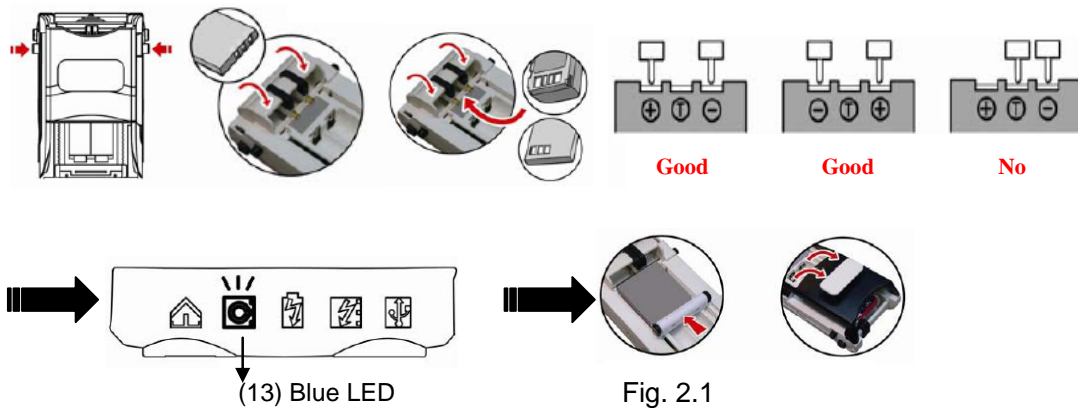
### V. Lithium-ion Battery Charging Mode

**DO NOT** connect the charger with the adapter before (Lithium) battery polarities are detected when Blue LED (13) is lit.

1. Remove the Lithium battery from its device, place it in the tray (18) of charger.
2. Check polarity by adjusting the spring contactors with battery charging connections until the Blue LED (13) indicator turns on.

- For Batteries with charging connections on the side panel:

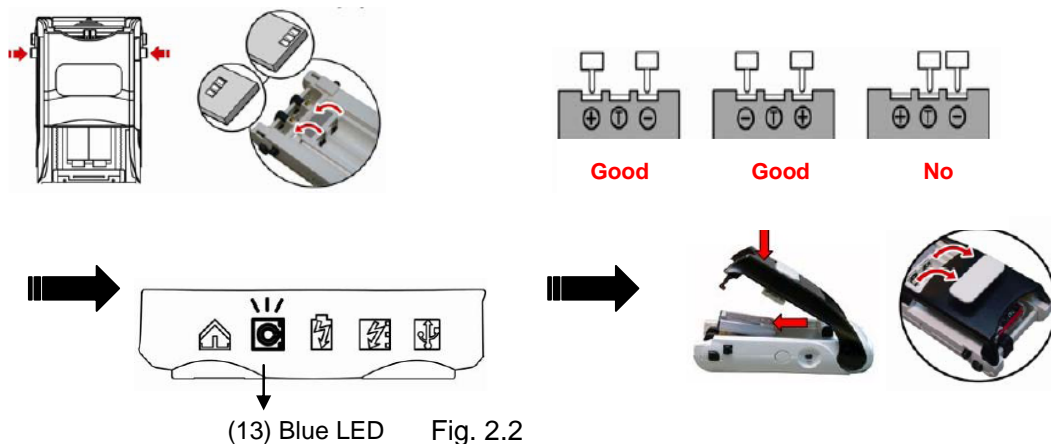
Adjust the spring contactors pointing horizontally by pressing both sides of “Angle stop releasing knob” (4), make contact with the battery charging connections until the Blue LED (13) indicator turns on; then secure the battery with the Rear Plate Fixing Bar (8) or cover (10). (Fig. 2.1)



- 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 Blue LED (13) indicator turns on; then secure the battery by using cover (10). (Fig. 2.2)

**Note:** If the battery is too thick to push down the charger cover, simply use an elastic band to secure the battery.



3. Once the Blue LED (13) is on, connect the AC adapter to the **Intelli-Charger**, plug the charger adaptor into the AC power outlet to start charging. The power input Green LED indicator (12) is lit. (Fig. 3.1)



Fig. 3.1

\* If charging in the vehicle, now you can plug in 12V Car charging cord to start charging.

4. When the **Intelli-Charger** is powered by AC or 12V vehicle, you may use our 1-to-2 or 1-to-4 splitter (not included) to charge multiple devices simultaneously.

**Note:** Additional tip-connectors are required for the splitters; total charging time will add up by number of devices).



1-to-2 splitter

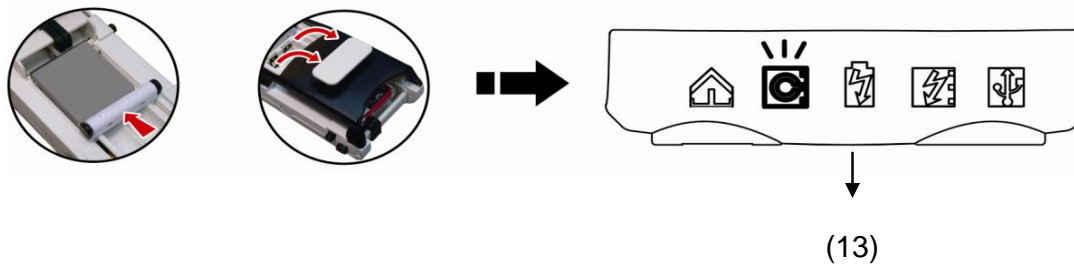


1-to-4 splitter

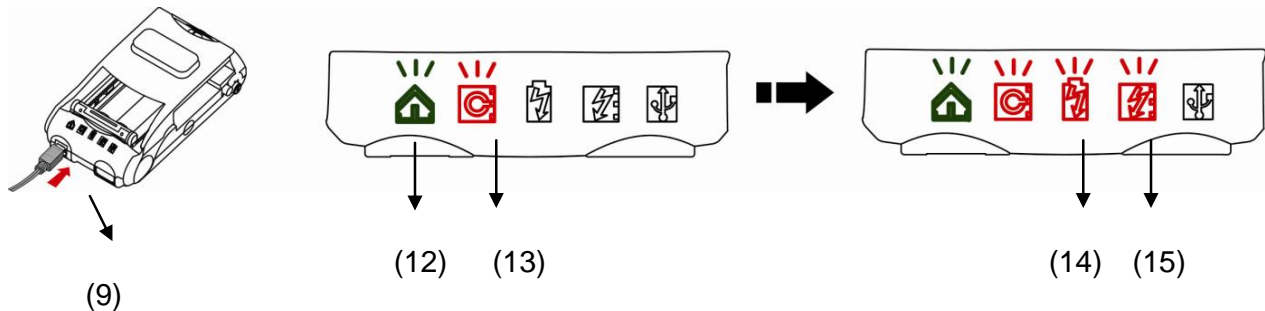
5. When charging devices via USB port, the Blue LED (16) will be lit. When the charging is completed, the blue LED (16) will be off or flashing according to the charging device.

## VI. Charging Procedures

1. When lithium-ion battery connectors are detected and secured, the Blue LED (13) will be lit to indicate that it's ready for charging. Press the Cover Holder (10) to secure the battery.



2. Connect AC/DC power adapter to power input socket (9), the green LED (12) is lit, now the batteries are being charged; the Red LED (14 for NiMH, 15 for Li-ion) will start flashing at the beginning, then steadily stays on during charging.



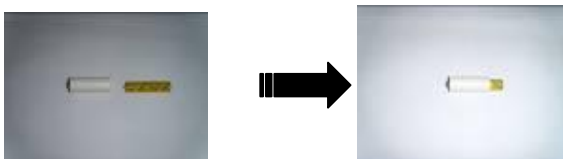
3. When the Red LED (14 or 15) turns into Green, it means the battery is 95% charged; it will then start trickle-charging until fully charged.

## VII. Ni-MH Battery Charging Mode

Insert 2 AA or AAA Ni-MH chargeable batteries into battery tray (19), the Red LED (14) will be lit. When the Red LED (14) becomes green, the batteries are fully charged. If the Red LED (14) is flashing when battery is inserted, it means that the batteries are non-rechargeable alkaline batteries or dead Ni-MH batteries.

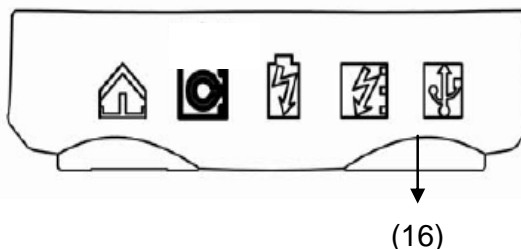
### **Note:**

- This charger will only charge batteries by pairs, will not charge by single battery.
- Insert AAA batteries into the sleeves provided in order to charge.



## IX. 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 (17); the Blue LED (16) will be lit. When the charging is completed, the Blue LED (16) will be off or flashing according to the charging device.



## X. Power Transfer Charging Mode

1. Insert a fully charged spare battery into battery tray and secure connections, the Blue LED (13) will be lit; then plug in any USB rechargeable hand-held devices into the USB power output port (17). The Blue LED (16) will be lit. The charger starts transferring the spare battery as power source via 5V USB to charge any USB devices. When charging is completed, the Blue LED (16) will turn off.



- To avoid over discharge, remove the spare battery as soon as the Blue LED (13) is off. Replace fresh battery to continue charging if necessary.

**Note:**

- If AA or AAA batteries are used as power source for Power Transfer mode, the Red LED (14) will stay on.
- If the Blue LED (13) stays off, it means the power source battery may be exhausted or the USB rechargeable hand-held device has been fully charged.

## XI. Manual Rejuvenating (REVIVE) Function

If the blue LED (13) stays off after battery being correctly connected, it may indicate the following:

- If the Lithium battery has not been used for a long time or over-discharged (or exhausted), make contact with the positive (+) and negative (-) of battery (Fig. B), plug the charger adaptor into the AC power outlet, press and hold the Li-ion “Revive” button (5) on the side of the charger for 3 seconds until (13) and (15) LEDs turn on, then release the Revive button (5) to start charging.

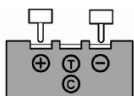


Fig. A

- Repeat these steps if necessary. If the Blue LED (13) still stays off after a few attempts, it means this battery life is over and needs to be replaced.

If the Red LED (14) does not turn on after the AA/AAA rechargeable Ni-MH batteries are inserted, it means that the batteries are over-discharged. Plug the charger adaptor into the AC power outlet, press and hold the AA/AAA “Revive” button (11) on the side of the charger for 1 to 2 seconds until the Red LED (14) turns on, then release the “Revive” button (11) to start charging.

**Note:**

**Some lithium batteries (Sony, JVC, Panasonic, etc...) come with “data chip terminal” marked with “©”, DO NOT contact these terminals with spring contactors during operation of manual rejuvenating function to avoid irrevocable damage. (Fig. B)**

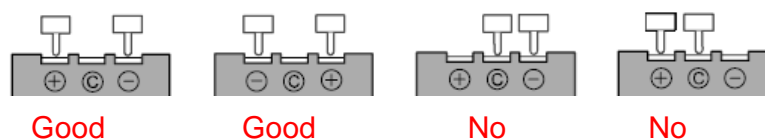


Fig. B

[www.LogicBattery.com](http://www.LogicBattery.com)

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