

Intellicharger i4 Operation Manual

The Intellicharger i4 is a universal, automatic smart-charger compatible with almost all types of rechargeable batteries thus eliminating the need to own several chargers. The i4 is able to automatically identify Li-ion, Ni-MH and Ni-Cd rechargeable batteries and apply an appropriate charging mode (Constant Charge Current (CC), Constant Charge Voltage (CV) and Trickle Charge). Each of the i4's four microcomputer-controlled charging slots is capable of monitoring and charging batteries independently. Additionally, yellow and blue power/charging status indicator lights could visibly indicate battery status and charging process. i4: The all-new highly advanced smart charger. It's as simple as insert, detect, and charge.

Features:

- Capable of charging 4 batteries simultaneously
- Each of the four battery slots monitors and charges independently
- Automatically identifies Li-ion, Ni-MH and Ni-Cd rechargeable batteries
- Features three charging modes (CC, CV and Trickle Charge)
- Automatically detects battery status and selects the appropriate voltage and charge mode
- 3 Color LED displays charging progress for each battery
- Automatically stops charging when complete
- Features reverse polarity protection
- Designed for optimal heat dissipation
- Certified by both RoHS and CE

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4. When charging batteries, three yellow power indicators in each slot will display battery status and blink. When charging is complete the three yellow power indicators will illuminate steadily without blinking.

Note: When four batteries are charged at the same time, each charging slot will receive a maximum output current of 375mA. When one or two batteries are charged, each slot will receive a maximum output current of 750mA.

Precautions:

1. When charging a single battery in the i4, the charging current can reach as high as 750mA, which exceeds the current many Ni-MH/Ni-Cd AAA and 10440 Li-ion batteries can withstand. For this reason, under no circumstances should a single AAA or 10440 battery be charged on its own, as potential overheating, damage or even explosion may occur.
2. Due to the aforementioned reasons, it is recommended that a minimum of two (2) AAA or 10440 rechargeable batteries are placed into the charging slots together. When charging two batteries in the i4, be sure to always place them in either slot 1 and 3 or slot 2 and 4.
3. When charging different battery types simultaneously (for example, li-ion 26650 and AAA), always ensure solid contact is made between both sides of the battery and the charging slot's metal contact points.
4. The i4 is restricted to charging Li-ion, Ni-MH and Ni-Cd rechargeable batteries only. Never use the i4 for other types of batteries as this could result in battery explosion, cracking or leaking, causing property damage and/or personal injury.
5. The i4 should only be used indoors or inside a motor vehicle. Do not expose it to water, high humidity, low or high ambient temperatures.

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Specifications:

Input voltage: AC 100-240V 50/60Hz or DC 12V
Input power: 10W
Output voltage: 4.2V ±1% / 1.48V ±1%
Output current: 0.375A × 4 / 0.75A × 2
Dimensions: 139mm × 96mm × 36mm
Weight: 156g (without batteries and power cord)
Compatible with:
Li-ion: 26650, 22650, 18650, 17670, 18490, 17500, 17335, 16340(RCR123), 14500, 10440
Ni-MH / Ni-Cd: AA, AAA, C

Operating instructions:

1. Plug one end of the power cord or car charger adapter to the charger's power input. Plug the opposite end of the cord into a wall outlet or the cigarette lighter receptacle in your vehicle. The blue power light and all yellow power indicators will illuminate as the charger runs a quick self-test. The yellow power indicators will turn off automatically once testing has completed.
2. The i4 features four charging slots, with each slot able to charge batteries independently. Rechargeable batteries of differing chemistries and voltages may be charged simultaneously using 1, 2, 3 or 4 of the charging slots.
Note: The i4 is capable of charging 3.7v Li-ion rechargeable cells OR 1.2V, Ni-MH/Ni-Cd rechargeable batteries only. See above for description of battery sizes.
3. When inserting a battery ensure the positive and negative ends correspond with the positive (+) and negative (-) symbols on the charger. Incorrectly inserting the batteries will result in the reverse polarity circuit being activated causing the charge status lights to blink rapidly. Should this occur reposition the batteries to the correct polarity.

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6. Do not disassemble or modify the charger.
7. Children under the age of 18 should be supervised by an adult when using the i4.
8. The i4's safe operating temperature is between 0°C–40°C.
9. Do not use or store the charger near open flames, direct sunlight, heating devices or other high-temperature environments.

Warranty Service

All products enjoy a warranty service after sale. Any malfunctioning products can be exchanged for replacements from local distributor/dealer within the first 14 days after receipt of the light. This product can enjoy free warranty service within 18 months from the date of purchase. After 18 months, the warranty covers labor cost and maintenance, with the exclusion on the cost of accessories or repair parts.

The warranty is nullified in any of the following situations:

1. The product(s) is/are broken down, reconstructed and/or modified under unauthorized conditions.
2. The product(s) is/are damaged through improper use.
3. The product(s) is/are damaged by leakage of batteries.

Details of warranty service, please contact regional distributor/dealer or send an email to service@nitecore.com



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SYSMAX ind.

SYSMAX Industry Co., Ltd.

Rm 1407-08, Glorious Tower,
850 Dongfeng Road East,

Yuexiu District, Guangzhou, Guangdong,
China 510600

Tel: +86 20 83862000

Fax: +86 20 83882723

E-mail: info@nitecore.com



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