

Connect to Power Source:

Connect the C2 to an external power source (a USB adapter, a computer or other USB charging device) via the USB charging cable.

Insert Batteries:

The C2 features 2 independently controlled charging slots. Insert batteries of supported types into each slot according to the polarity marks on the slot.

Battery Detection:

When you insert recharge batteries, the C2 will detect and activate them before beginning the charging process. During the charging process, the green indicators will flash to indicate the battery status. If the charging current is over 1A, the red indicator will be steadily turned on to indicate the Fast Charge Mode. When the battery is fully charged, 3 green indicators will become steadily turned on.

Battery Inspection and Error Report:

The C2 has reverse polarity protection and short-circuit function. If there is a battery inserted with polar reversed or short-circuited, 3 green indicators and 1 red indicator will flash quickly to inform the user.

Smart Charging: The C2 can choose appropriate charging currents based on intelligent detection about battery types and capacities. The C2 is compatible with:
1) 3.6V/3V Li-Ion rechargeable batteries
2) 1.2V Ni-MH/Cd rechargeable batteries

Default Settings

Battery Type and Capacity	Standard Mode		Fast Charge Mode	
	Charging Current	Charging Time	Charging Current	Charging Time
Li-Ion batteries (4.2V±1% when fully charged)	>1,000 mA	2,00mA	1,00mA	3,00mA
Ni-MH/Ni-Cd batteries (1.48V±1% when fully charged)	<1,000 mA	1,00mA	1,00mA	1,00mA
AA/AAA	500mA	500mA	500mA	500mA
Ni-MH/Ni-Cd (1.48V±1% when fully charged)	C/D	1,00mA	1,00mA	1,00mA

Notes: The C2 can automatically select charging modes for Ni-MH/Ni-Cd batteries and 3.7V Li-Ion batteries. For the battery whose length is <60mm (2.4”), the C2 will automatically identify its capacity as <1,000mAh.

Fast Charge Mode

The C2 is QC/PD input available. When the charger is powered by a QC/PD supportive device connected to a QC/PD adapter, the single slot max input will achieve 3,000mA.

Over-Discharged Li-Ion Battery Activation

The C2 is capable of activating over-discharged Li-Ion batteries with a protective circuit. After battery installation, the C2 will test and activate the battery before charging. When a battery is detected as damaged, 3 green indicators and a red indicator of the corresponding slot will flash simultaneously to inform the user. The C2 will automatically cease the charging process of this slot. Note: It is not recommended to use the C2 to charge over-discharged Li-Ion batteries without a protective circuit, or it may cause fire and explosion.

Anti-short Circuiting and Reverse Polarity Protection
If there is a battery inserted with polar reversed or short-circuited, 3 green indicators and 1 red indicator of the corresponding slot will flash quickly to inform the user.

Energy Saving Function

The indicators will be automatically off if there is no battery inserted into the slot.

Overtime Charging Protection

The C2 will separately calculate the charging time of each battery. When the uninterrupted charging time exceeds 10 hours in one slot, it will automatically cease the charging process of this slot and stop the charging process to prevent possible overheating or even explosion due to battery quality issue.

Precautions

- Intelligent USB-C Dual-Slot Superb Charger
- QC and PD input available
- Capable of charging 2 batteries simultaneously and controlling each slot independently
- Up to 3,000mA charging speed in a single slot
- Compatible with Li-Ion and Ni-MH/Ni-Cd batteries with automatic detection
- Automatic detection of battery power level and automatic selection of the appropriate voltage and charging mode
- Automatic selection between 3 charging modes (CC, CV and ΔV/dt)
- Automatic detection of large/small capacity batteries and automatic selection of appropriate charging mode
- Automatic termination upon charging completion
- Reverse polarity protection and short circuit protection
- Over-discharge battery activation
- Overtime charging protection
- Made from durable and fire-retardant PC materials
- Optimal heat dissipation design
- Certified by RoHS, CE, FCC and IEC
- Insered worldwide by Ping An Insurance (Group) Company of China, Ltd.
- DO NOT charge a damaged IMR battery as doing so may lead to charger short-circuit or even explosion.
- DO NOT charge or discharge any battery having evidence of leakage, expansion/swelling, damaged outer wrapper or case, color-change or distortion.
- Use the original adapter and cord for power supply. To reduce the risk of damage to the power cord, ALWAYS pull by connector rather than the cord. DO NOT operate the charger if it appears damaged in any way.
- DO NOT expose the device to direct sunlight, heating devices, open flames, fire and snow and never immerse the device in any extreme low ambient temperatures and sudden temperature changes.
- Store the device in ventilated areas. DO NOT use the device in moist environment and keep away from any combustible materials.
- Always use the device in a cool, dry place.
- DO NOT place any conductive or metal object in the device to avoid short circuiting and explosion.
- DO NOT overcharge or over-discharge the batteries. Please recharge the battery as soon as the power runs out.
- Unplug the device and remove all batteries when it is not in use.
- DO NOT disassemble or modify the device as doing so will void the product warranty invalidly. Please refer to the warranty section in the manual for complete warranty information.
- DO NOT misuse in any way! Use for intended purpose and function only.
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Accessories

USB-C Charging Cable

Specifications

Input: 5V~2A / 9V~2A / 12V~1.5A

Output: 4.2V±1% / 1.48V±1%

Fast Charge Mode: 3,00mA±1 MAX / 1,500mA±2 MAX

Standard Mode: 2,00mA±1 MAX / 1,00mA±2 MAX

Compatible with: 10440, 14500, 14650, 16500, 18340 (RC123), 16550,

18R/1U, 17500, 17650, 17670, 17700, 18350, 18490, 18500,

18650, 18700, 21700, 22500, 25100, 26500, 26500, 26500,

26650, 26700, 26800, 26900, 27100, 27300, 27500, 27600, 27700, 27800, 27900, 28000, 28100, 28300, 28400, 28500, 28600, 28700, 28800, 28900, 29000, 29100, 29200, 29300, 29400, 29500, 29600, 29700, 29800, 29900, 30000, 30100, 30200, 30300, 30400, 30500, 30600, 30700, 30800, 30900, 31000, 31100, 31200, 31300, 31400, 31500, 31600, 31700, 31800, 31900, 32000, 32100, 32200, 32300, 32400, 32500, 32600, 32700, 32800, 32900, 33000, 33100, 33200, 33300, 33400, 33500, 33600, 33700, 33800, 33900, 34000, 34100, 34200, 34300, 34400, 34500, 34600, 34700, 34800, 34900, 35000, 35100, 35200, 35300, 35400, 35500, 35600, 35700, 35800, 35900, 36000, 36100, 36200, 36300, 36400, 36500, 36600, 36700, 36800, 36900, 37000, 37100, 37200, 37300, 37400, 37500, 37600, 37700, 37800, 37900, 38000, 38100, 38200, 38300, 38400, 38500, 38600, 38700, 38800, 38900, 39000, 39100, 39200, 39300, 39400, 39500, 39600, 39700, 39800, 39900, 40000, 40100, 40200, 40300, 40400, 40500, 40600, 40700, 40800, 40900, 41000, 41100, 41200, 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69900, 70000, 70100, 70200, 70300, 70400, 70500, 70600, 70700, 70800, 70900, 71000, 71100, 71200, 71300, 71400, 71500, 71600, 71700, 71800, 71900, 72000, 72100, 72200, 72300, 72400, 72500, 72600, 72700, 72800, 72900, 73000, 73100, 73200, 73300, 73400, 73500, 73600, 73700, 73800, 73900, 74000, 74100, 74200, 74300, 74400, 74500, 74600, 74700, 74800, 74900, 75000, 75100, 75200, 75300, 75400, 75500, 75600, 75700, 75800, 75900, 76000, 76100, 76200, 76300, 76400, 76500, 76600, 76700, 76800, 76900, 77000, 77100, 77200, 77300, 77400, 77500, 77600, 77700, 77800, 77900, 78000, 78100, 78200, 78300, 78400, 78500, 78600, 78700, 78800, 78900, 79000, 79100, 79200, 79300, 79400, 79500, 79600, 79700, 79800, 79900, 80000, 80100, 80200, 80300, 80400, 80500, 80600, 80700, 80800, 80900, 81000, 81100, 81200, 81300, 81400, 81500, 81600, 81700, 81800, 81900, 82000, 82100, 82200, 82300, 82400, 82500, 82600, 82700, 82800, 82900, 83000, 83100, 83200, 83300, 83400, 83500, 83600, 83700, 83800, 83900, 84000, 84100, 84200, 84300, 84400, 84500, 84600, 84700, 84800, 84900, 85000, 85100, 85200, 85300, 85400, 85500, 85600, 85700, 85800, 85900, 86000, 86100, 86200, 86300, 86400, 86500, 86600, 86700, 86800, 86900, 87000, 87100, 87200, 87300, 87400, 87500, 87600, 87700, 87800, 87900, 88000, 88100, 88200, 88300, 88400, 88500, 88600, 88700, 88800, 88900, 89000, 89100, 89200, 89300, 89400, 89500, 89600, 89700, 89800, 89900, 90000, 90100, 90200, 90300, 90400, 90500, 90600, 90700, 90800, 90900, 91000, 91100, 91200, 91300, 91400, 91500, 91600, 91700, 91800, 91900, 92000, 92100, 92200, 92300, 92400, 92500, 92600, 92700, 92800, 92900, 93000, 93100, 93200, 93300, 93400, 93500, 93600, 93700, 93800, 93900, 94000, 94100, 94200, 94300, 94400, 94500, 94600, 94700, 94800, 94900, 95000, 95100, 95200, 95300, 95400, 95500, 95600, 95700, 95800, 95900, 96000, 96100, 96200, 96300, 96400, 96500, 96600, 96700, 96800, 96900, 97000, 97100, 97200, 97300, 97400, 97500, 97600, 97700, 97800, 97900, 98000, 98100, 98200, 98300, 98400, 98500, 98600, 98700, 98800, 98900, 99000, 99100, 99200, 99300, 99400, 99500, 99600, 99700, 99800, 99900, 100000

Ni-MH/Ni-Cd: AA, AAA, C, D

Dimensions: 45mm x 65mm x 37mm (5.83" x 2.55" x 1.467")

Weight: 120.9g (4.25 oz) (charging cable not included)

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Manufacturer: SYSMAX Power Technology, LLC

Made in China

Please find us on facebook: nitecorecharger

3. damaged by batteries leakage.

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Validation code and QR code on package can be verified on NITECORE website.

The charger must be used with NITECORE's official cords. Official cords are identified with clearly printed NITECORE on the plug. During charging, third party cords can cause malfunction, overheat, even fire or an electric shock. Damages from using unofficial cords cannot be covered by our product warranty. The charger is restricted to charging Li-Ion, IMR, Ni-MH/Ni-Cd rechargeable batteries only. DO NOT use the charger with other types of batteries as this could result in battery explosion, cracking or leaking, causing property damage and/or personal injury.

Safety Instruction for Lithium-Ion Batteries

1. Charging Voltage

Lithium-Ion (Li-Ion) batteries have strict requirement on voltage control. Charging ion batteries with electric voltage beyond safety standard can lead to battery damage and explosion.

1) 3.7V Li-Ion batteries / IMR Batteries
3.7V Li-Ion batteries are the most common rechargeable Lithium batteries. The wraps of these batteries are often marked with 3.6V/3.7V signs. An inserted battery will be automatically charged in the 4.2V standard charging current if our chargers identify it as a Li-Ion battery.

2) 3.8V Li-Ion batteries
3.8V Li-Ion batteries are quite rare. These batteries also have a 3.7V mark on their wraps. However, it is important to know that the battery needs to be charged with 4.35V power. The C2 charger will not provide adequate voltage to charge the 3.8V Li-Ion batteries.

3) 3.2V LiFePO4 Batteries
3.2V LiFePO4 batteries have LiFePO4 and/or 3.2V marks on their wraps. The C2 is not compatible with this type of batteries. Charging them with 4.2V may cause damage to the batteries or explosion due to the excessive temperature.

2. Charging Current

For all rechargeable Lithium batteries (including Li-Ion and IMR batteries), we suggest not using current larger than 1C for charging. For small capacity batteries, the charging current must be smaller than 1C. *C=Capacity of a battery. For example, 1C in a 2600mAh rechargeable Lithium battery is 2.6A. In a 3400mAh rechargeable Lithium battery is 3.4A. Excessively large charging current will lead to great amount of heat, and consequently battery damage and explosion.

3) DO NOT short circuit the battery in any way.

3) DO NOT use a 3.7V/3.8V Lithium battery when its voltage is lower than 2.8V, otherwise it can be over-discharged, and/or prone to explosion at next charging. When a battery is detected as damaged, 3 green indicators and a red indicator of the corresponding slot will flash simultaneously to inform the user. The C2 will automatically cease the charging process of this slot.

4) DO NOT discharge a battery with a discharging current larger than its maximum rated current.

4. Long-term Storage

The best storage voltage for 3.7V/3.8V rechargeable Lithium batteries is 3.7V. Voltage being too low or too high can damage your battery during storage. You can discharge a battery to 3.7V, or charge it to 3.7V in a charger before you keep it in long-term storage.

3) DO NOT use a 3.7V/3.8V Lithium battery when its voltage is lower than 2.8V, otherwise it can be over-discharged, and/or prone to explosion at next charging. When a battery is detected as damaged, 3 green indicators and a red indicator of the corresponding slot will flash simultaneously to inform the user. The C2 will automatically cease the charging process of this slot. Note: It is not recommended to use the C2 to charge over-discharged Li-Ion batteries without a protective circuit, or it may cause fire and explosion.

Anti-short Circuiting and Reverse Polarity Protection
If there is a battery inserted with polar reversed or short-circuited, 3 green indicators and 1 red indicator of the corresponding slot will flash quickly to inform the user.

Energy Saving Function
The indicators will be automatically off if there is no battery inserted into the slot.

Overtime Charging Protection
The C2 will separately calculate the charging time of each battery. When the uninterrupted charging time exceeds 10 hours in one slot, it will automatically cease the charging process of this slot and stop the charging process to prevent possible overheating or even explosion due to battery quality issue.

Precautions
1. The charger is restricted to charging Li-Ion, IMR, Ni-MH/Cd rechargeable batteries only. DO NOT use the charger with other types of batteries as this could result in battery explosion, cracking or leaking, causing property damage and/or personal injury.

2. Moderate heat from this product is to be expected during the charging process, which is normal.

3. Ambient Temperature of Usage: -10~40°C (-14~104°F); Temperature of Storage: -20~60°C (-4~140°F)

4. Carefully read all labels on the device to ensure batteries are installed correctly.

5. Please connect this charger to power supplies with the input voltage stated in the specifications of the user manual. If the input voltage is too low or too high, it may lead to malfunctions, or even a fire or explosion.

6. DO NOT charge batteries if there is any sign of faultly or short circuit.

7. The charger is only to be used by adults above 18 years old. Children under this age must be supervised by an adult when using the charger.

8. DO NOT leave the product unattended while it is connected to a power supply. Unplug the product at any sign of malfunction.

9. DO NOT attempt to charge any battery such as Zinc-carbon, Lithium, CR123A, CR2, or any other unapproved chemistry due to risk of explosion and fire.

10. DO NOT charge a damaged IMR battery as doing so may lead to charger short-circuit or even explosion.

11. DO NOT charge or discharge any battery having evidence of leakage, expansion/swelling, damaged outer wrapper or case, color-change or distortion.

12. Use the original adapter and cord for power supply. To reduce the risk of damage to the power cord, ALWAYS pull by connector rather than the cord. DO NOT operate the charger if it appears damaged in any way.

13. DO NOT expose the device to direct sunlight, heating devices, open flames, fire and snow and never immerse the device in any extreme low ambient temperatures and sudden temperature changes.

14. Store the device in ventilated areas. DO NOT use the device in moist environment and keep away from any combustible materials.

15. Always use the device in a cool, dry place.

16. DO NOT place any conductive or metal object in the device to avoid short circuiting and explosion.

17. DO NOT overcharge or over-discharge the batteries. Please recharge the battery as soon as the power runs out.

18. Unplug the device and remove all batteries when it is not in use.

19. DO NOT disassemble or modify the device as doing so will void the product warranty invalidly. Please refer to the warranty section in the manual for complete warranty information.

20. DO NOT misuse in any way! Use for intended purpose and function only.

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