

Approximate Charge time*

800mAh AAA	60 minutes
1800mAh AA	60 minutes
2000mAh AA	75 minutes

*Actual charge times will vary depending on the cell's discharge level, capacity and condition. Longer charge time will occur when this charger is used in temperatures above 28°C



Trouble Shooting Tips:

- Batteries should be replaced when run time becomes short.
- If the LED status indicator does not light up when the charger unit is properly plugged into a power source, and a discharged battery is correctly installed, make sure that the AC socket or cigarette lighter has power and that the battery cell is not defective.
- Use a clean dry cloth when necessary to keep the metal contacts of both charger and battery clean.

Cautions:

- For use with AA and AAA size NiMH batteries ONLY! Use with other type batteries voids warranty, may cause damage to the charger/ battery and possibly cause injury to the user.
- Do not leave any battery cell connected to the charger for prolonged periods. Remove the battery promptly after charge is complete.
- Unplug the charger when not in use.
- Do not use, place or store the charger where it may come into contact with water or moisture.
- Always replace frayed or damaged wire and broken plugs immediately.
- Use this charger with the power adapters included in the package only.
- No user serviceable parts, opening chassis will void warranty.
- Charger needs proper ventilation. Make sure charger vents are not being blocked and there is no problem with circulation
- Charge only NiMH batteries on this charger.
- Batteries are not charged as shipped. Must be charged prior to first use.
- Batteries may leak or explode causing personal injury if inserted improperly, disposed of in fire, mixed with other battery types, or short circuit.

Specifications:

• AC Adapter	100-240VAC, 50 / 60HZ
• Power Input	12VDC @ 2A
• Charger Current AA	2.0A±10%,
• Charger Current AAA	1.0A±10%
• Trickle Current	150mA
• USB Output	5.4V±0.1V 500mA Max
• Operating Temperature:	0°C – 30°C

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KD-SCAM-U01

1 Hour Charger Fusion-USB Manual For AA & AAA Size NiMH Batteries

Please Read The Information And Follow All Instructions Thoroughly Before Using This Product

Introduction

This 1 Hour Charger Fusion-USB is a highly advanced and fully automatic battery charger which is compatible with all AA and AAA size NiMH batteries commonly used in today's digital camera, MP3, CD players, 2-way radios, radio controlled cars, motorized toys and other electronic devices.

The 1 Hour Charger Fusion-USB features microprocessor controlled to charge your battery up to 7 times faster than other standard chargers. Not only will it charge the battery safely and reliably, it will prolong battery life. Unlike the other "60 minute" chargers, the Charger will not overheat the batteries and damage them. The 1 Hour Charger actually prolongs battery life. 1 to 4 batteries can be charged at a time, each with a dedicated LED indicator to show the charge status of that cell.

Flexible power input allows you to use the 1 Hour Charger Fusion-USB from home or overseas with its 100V-240V AC Universal Power Supply, or on the road using the included 12V DC Cigarette Lighter Adapter.

Charging Your Batteries

Plug-in either the AC Adapter or the DC Cigarette Lighter Power adapter, and connect the other end of the power adapter cable to the power input jack on the end of the Charger AA/AAA speed charger unit.

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Insert any 1 to 4 AA and/or AAA NiMH rechargeable battery cells to be charged into any of the 4 charging locations on the charger unit, observing the direction of the battery as indicated by the diagrams. Only one AA or AAA size NiMH battery cell may be installed into any single charging.

The LED Indicators

Once the battery has been inserted into the Charger, the LED above it will indicate the status of the battery being charged.

LED On- The battery at that location is being "Speed charged". Once the LED turns off, the battery at that location has completed "Speed charging" and is trickle charged for the next 2-3 hours. The cell is now ready for use, but may be left in the charger during the trickle charge to achieve a completely full charge.

LED Flashing- If an indicator LED is flashing above one or more of the cells being charged, this is an indication of an ERROR condition. The battery below the flashing LED is either faulty or at the end of its life and should be replaced, as it is no longer useable.

LED does not turn on – If the LED will not come on after a cell is inserted at that location, the voltage of that battery has dropped to a very unhealthy low level. The battery should be replaced.

Notes:

- This 1 Hour Charger Fusion-USB is designed for use with NiMH (nickel Metal-Hydride) AA and AAA cells only. Do not charge NiCd (Nickel Cadmium) or any type of cells other than NiMH in this charger.
- It is normal for the charger, AC adapter, or the battery cells to become warm during charging.
- Do not install an AAA cell or an AA cell into any one charging location at the same time.
- Batteries will self discharge when not in use. Batteries can be kept fresh if you recharge them every 2-3 months.

Charging Via the USB Power Port

The USB Power Port on this unit may be used with any USB compatible "Charge" or "Charge/Sync" cables, and will provide power to the connected device, allowing it to charge itself. The USB Power Port is available for use at any time including when batteries are being speed charged on the main unit. To use the USB Power Port, you may use your existing USB charge cable or the universal USB charge cable provided. If using the universal cable provided, please see the Adapter Selection Guide on separate sheet for the connector needed for your phone or other USB chargeable device, and connect it to the plug on the end of the cable.

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When using the universal USB cable with Nokia phones, no additional connector is required, simply use the built-in plug to connect directly to your Nokia phone.

Connected one end of the cable to the device to be charged and then plug the USB end into the USB Power Port on the side of the 1 Hour Charger Fusion-USB charger base. At this time, the device will usually indicate that it is receiving power from the USB Power Port and that it is charging its internal battery. Once the device indicates that it has completed charging, disconnect the USB cable from the base and also from the device. Try not to leave the device connected for prolonged periods after the charge is complete, as many of these devices lack sophisticated internal charging circuits and may overcharge and damage their internal batteries if left on charge unnecessarily.

Note1: A device plugged into the USB Power Port will not speed charge, but will charge at the normal rate for that device when receiving charge via its USB connection. Devices which are not designed to receive charging power from their USB connection will not charge from the USB Power Port.

Note2: USB PowerPort's Commutators Apply Mobile Model Referenced Table

UC1	Motorola - C331T C333CDMA C343 C343A C353T V60C V60G V60i V60P V60T V66 V70 T720 T721 T722 T730 T731 V120 V120C V200 270C P280 T280 V200 V300 V302 V400 V500 V525 V600 A830 A835 A845 E310 E398,Nextel i30 i35 i50 i55 i58 i60 i80 i85 i88 i90 i95 i99
UC2	Samsung - A200 A220 A288 A310 A530 A530S A610 A650 A670 A690 A790 D410 D415 E105 E315 E316 E317 E715 N370 N625 P100 P107 R225 S200 S300 S307 V200 V205 V206 X105 X426 X427 X450
UC3	Sony Ericsson - T20E T20EC T20S T28 T29C T29S T39 A2218Z R300D R300Z R300LX R300SC R380 R520MC T60 T61 T62 T66 T68 T200 T206 T230 T237 T300 T306 T310 T312 T316 T600 T610 T616 T630 P800 T802 T900 Z600 Z200
UC5	Nextel - i205 i305 i315 i325 i530 i730 i710 i733 i830 i860, i30sx, i35s, i736,i80s
UC6	Samsung - A460 A500 A520 A540 SPH-A680 A600 A620 VM-A680 N205 N240 N270 N400 VGA-1000 A660 V1660

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