

- Use a clean dry cloth when necessary to keep the metal contacts of both charger and battery clean.

### Cautions:

- For use with AA/AAA/C/D/9V 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 120V 60HZ
- Power Input 12VDC @ 500mA
- Charger Current AA/C/D 1.9A±10%
- Charger Current AAA 0.8A±10%
- Charger Current 9V 50mA
- Trickle Current 50mA
- Operating Temperature: 0°C – 30°C

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## KD-SCAM-S60

# Universal 1 Hour Fast Charger Manual For AA/AAA/C/D/9V NiMH Batteries

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

### Introduction

This KD-SCAM-S60 universal 1 hour fast Charger is a highly advanced and fully automatic battery charger which is compatible with all AA /AAA /C/D/9V 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 universal 1 hour fast Charger 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. The Charger will not overheat the batteries and damage them. The universal 1 hour fast 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.

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Flexible power input allows you to use the universal 1 hour fast Charger from home or overseas with its 120V 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/C/D/9V speed charger unit.

Insert any 1 to 4 AA or AAA /C/D/9V 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 /C/D/9V 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. 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 it's 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 universal 1 hour fast Charger is designed for use with NiMH (nickel Metal-Hydride) AA /AAA/C/D/9V 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.

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- Do not install an AAA cell or an AA /C/D/9V 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.

### Approximate Charge time\*

Battery type and capacity	Recharge time/1 battery	Recharge time/4 battery
800mAh AAA	65 minutes	255min
850mAh AAA	75minutes	275min
900mAh AAA	85 minutes	290min
1800mAh AA	60 minutes	260 minutes
2000 mAh AA	70 minutes	275 minutes
2200 mAh AA	80 minutes	285 minutes
2400 mAh AA	90 minutes	300 minutes
2500C	95 minutes	290 minutes
2500D	95 minutes	295 minutes
170 9V	225 minutes	270 minutes
200 9V	255 minutes	285 minutes

- \*Actual charge time 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.

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