Universal Battery Charger
(with LCD Display)

Owner’s Manual
Thank you for purchasing this Charger. Read the instruction manual thoroughly before use and keep the manual for later reference. This Charger can charge all AA/AAA/C/D/9V Nickel Metal-Hydride (Ni-MH) batteries quickly and efficiently.

Features
1. Specially designed with LCD Battery Indicator & discharge function.
2. Discharge Function reduces memory effect and enables full discharge for longer battery life cycle.
3. For Using in Indoor:
   - Powered by the supplied switch-mode adaptor (100-240V AC) for worldwide use.
   - Recharges 1 piece to 4 pieces of AA/AAA/C/D Ni-MH batteries and 1 to 2 pieces of 9V cells (Ni-MH) at a time.
   - 4 individual charging channels for AA/AAA/C/D and 2 individual charging channels for 9V cells.
   - Intelligent Microprocessor Controlled – Batteries life well protected by negative delta V cut-off function and timer protection.
   - Defective and Non-rechargeable battery detection.
   - Automatic charging current selection fro AA/AAA/C/D/9V batteries.
   - Built-in 5V USB output port (output: 5V DC 500mA) on the back side of the charger, designed to charge and power up your Digital device.** (See USB function)
4. Electric LCD display with Blue color backlight and designed with:
   - Battery Charging Status indication
   - Battery Discharging Status indication
5. When the batteries are fully charged, the charger will change to Trick mode automatically and the Blue color “Backlight” will turn off after 2.5 hours.

Caution
1. Batteries (if included) are not charged as shipped. Must be charged prior to first use.
2. Charge only Ni-MH type batteries on this charger.
3. Batteries may leak or explode causing personal injury if inserted improperly, disposed of in fire, mixed with other battery types, or short circuit.
4. Do not expose charger to rain or moisture. For indoor use only.
5. Remove from mains when not in use.
6. Do not expose charger to rain or moisture. For indoor use only.
7. Do not charge non-rechargeable batteries.
8. Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair.
9. Unplug the charger from outlet before attempting any maintenance of cleaning.
10. This power unit is intended to be correctly orientated in a vertical or floor mount position.
11. Before scrapping your charger, remove the batteries from the unit and they are disposed of safety.

Charging Instructions
1. Insert 1 to 4 pieces of AA/AAA/C/D or 1 to 2 pieces of 9V cell rechargeable Ni-MH batteries into the battery compartment.
2. Make correct contact for polarity (+ and –); according to the sign in the battery compartment.
3. This charger is intended for use with Nickel-metal-hydride rechargeable batteries only. Attempting to charge other types of batteries may cause personal injury and damage to the charger.
4. Do not expose charger to rain or moisture. For indoor use only.
5. Remove from mains when not in use.
6. Never use an extension cord or any attachment not recommended by manufacturer, otherwise this may result in a risk of fire, electric shock or injury to persons.
7. Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair.
8. Do not disassemble the charger. Incorrect reassembly may result in a risk of electric shock or fire.
9. Unplug the charger from outlet before attempting any maintenance of cleaning.
10. This power unit is intended to be correctly orientated in a vertical or floor mount position.
11. Before scrapping your charger, remove the batteries from the unit and they are disposed of safety.

Discharging Instructions
1. Insert 1 to 4 pieces of AA/AAA/C/D or 1 to 2 pieces of 9V cell rechargeable Ni-MH batteries into the battery compartment.
2. Make correct contact for polarity (+ and –); according to the sign in the battery compartment.
3. For Using in Indoor
   - Connect the supplied AC adaptor’s barrel plug into the jack on the back of the charger. Plug the AC adaptor into household electric outlet. The switching power supply will adjust automatically.
4. Press the “discharge button” on the left hand side of the control panel, the LCD will indicate the proper discharging and the wording “Discharging” will be shown. (The Blue backlight will light up during the discharging process)
   - Noted: The discharge process will not function when you press the “discharge button” more than 1 minute after the charging process started.
5. The battery icons will keep flashing until all the batteries have been discharged.
6. After the batteries are fully discharged, charging process will be started automatically and the wording “Charging” will indicate on the LCD screen to indicate the charging process started.

Bad Cell Detection
When charge process is started, the charger detects the health status of each of the cells in the battery compartment. If any batteries are unsuitable for charging, i.e. short circuit or reversed polarity, the word “BAD” will indicate on the LCD screen and “battery” icon will flash.

TECHNICAL DATA:

<table>
<thead>
<tr>
<th>Input DC 12V 1000mA USE WITH AN EXTERNAL ADAPTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge current: Ni-MH</td>
</tr>
<tr>
<td>AA size: 500mA</td>
</tr>
<tr>
<td>AA size: 1300mA</td>
</tr>
<tr>
<td>C size: 1300mA</td>
</tr>
<tr>
<td>D size: 1300mA</td>
</tr>
<tr>
<td>9V size (F:9): 350mA</td>
</tr>
</tbody>
</table>

| Input Method | -V auto cut-off for 6/7AA, AA, C, D size batteries |
|--------------------------------------------------|
| For battery Type | AAA 500-1100mAh |
| AA 1300-2700mAh |
| C 1300-4500mAh |
| D 1300-8000mAh |
| 9V 105-250mAh |

Charge time will vary depending upon the brand, capacity and condition of batteries being charged.

USB function
1. The USB socket will be ready for use only when charging is completed or there is no battery in the charger compartment.
2. The “USB function indicator” will be shown on the LCD screen to indicate the USB socket is ready for use.
3. Make sure the maximum loading is not exceeding 500mA for the USB socket.

Important Safety Instructions
1. Before charging, read instruction
2. This charger is intended for use with Nickel-metal-hydride rechargeable batteries only. Attempting to charge other types of batteries may cause personal injury and damage to the charger.
3. Do not operate the charger if it has been subjected to shock or damage. Take it to a qualified serviceman for repair.
4. Do not expose charger to rain or moisture. For indoor use only.
5. Remove from mains when not in use.
6. Never use an extension cord or any attachment not recommended by manufacturer, otherwise this may result in a risk of fire, electric shock or injury to persons.
7. Do not charge other types of batteries may cause personal injury and damage to the charger.
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SAVE THESE INSTRUCTIONS. DANGER TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

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