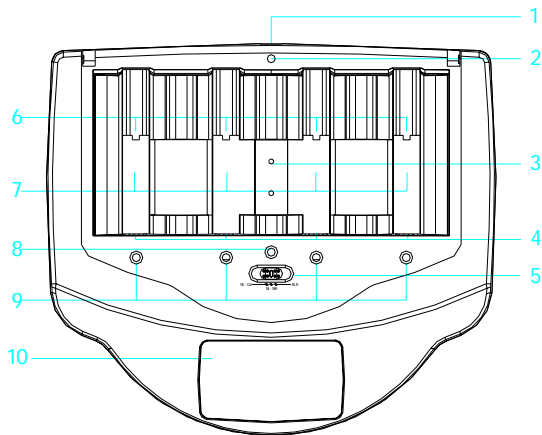


# ***EVERCHARGE***





- |   |                          |    |                     |
|---|--------------------------|----|---------------------|
| 1 | DC SOCKET                | 6  | -POLE               |
| 2 | LED LIGHT (9V BATTERY)   | 7  | BATTERY CHARGER BAY |
| 3 | CHARGING (9V BATTERY)    | 8  | POWER LIGHT         |
| 4 | +POLE                    | 9  | LED INDICATORS      |
| 5 | BATTERY SELECTION SWITCH | 10 | LCD DISPLAY         |

## LCD & LED Display

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Battery TYPE	Function	LED Indication	LCD display word	LCD capacity Indication
Ni-Cd	Discharge	Yellow	DIS	Blinking downward
	Charging	Red	CHA	Flashing upward
	Fully charged	Green	OK	Fully charged
Ni-MH	Charging	Red	CHA	Flashing upward
	Fully charged	Green	OK	Fully charged
Alkaline	Charging	Red	CHA	Flashing upward
	Fully charged	Green	OK	Fully charged
Ni-Cd Ni-MH Alkaline	Battery voltage is very low short Battery can't recharge	Off	BAD	

***Dear Customer,***

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Thank you for purchasing the EverCharge universal battery charger. This product is an excellent environmentally friendly choice providing a comprehensive and versatile solution to keeping your batteries charged when you need them and minimizing battery waste.

The device you have purchased is equipped with the best available technology.

The product meets the requirements of current European and National guidelines. Conformity has been established and the relevant statements and documents have been deposited at the manufacturer.

This battery charger has the following features:

- Easy to use
- Intelligent microprocessor controlled
- With negative delta V cut-off function
- Rechargeable batteries in all capacities 1-4 pcs size AAA ,AA ,N,C ,D& 1PCS 9V
- Recharges batteries in SINGLE or GROUP as the EverCharge microprocessor monitors each charging bay individually
- With short-circuit protection
- With both LED and LCD display ,the status of each batteries charge cycle can be seen easily
- With individual maximum timer control for overcharge protection.
- Charges Ni-Cd (Nickel Cadium), Ni-Mh(Nickel Metal Hydride), Alkaline \*, RAM(Rechargeable Alkaline Manganese)

\* Note on standard alkaline batteries: The EverCharge can charge most if not all types of alkaline cells, provided they have been freshly and quite full discharged. Intelligent control of charge current (up to 130mA) enables alkaline cells to be safely “recharged”, initially up to 100% of their first use capacity!!! They can keep being recharged or reconditioned upwards to 15 times with gradually reducing capacity, as is the case with all cell batteries even rechargeable ones.

**When “reconditioning” alkaline cells it is recommended for best results that you leave the alkaline cells in a FULL 24 hours even though the EverCharge charging light may go green signaling that the cells are charged. The EverCharge has determined that the cells have reached their 1.5 volt output level. In testing it was determined that leaving them in a full 24 hours more deeply reconditions the cells. Also note, 9volt prismatic alkaline batteries are unlikely to be successfully reconditioned with the EverCharge because of the nature of their construction.**

Naturally, cells that have been left fully (‘deep’) discharged for above a few days, or old ‘surplus’ stock, or cells of lesser quality, may not recharge at all, or so deeply, nor so often, before they are incapable of giving much more usable service life. Remember the more discharged a fresh cell is the better the EverCharge performs at reconditioning it. When we are referring to a ‘deep’ discharge we are talking about it just plain being weak, the cells won’t light a torch lamp or the light is so feeble it can only be seen in a dark place.

The EverCharge system does not really in the strictest sense ‘recharge’ Alkaline cells, but actually refurbishes or reconditions them, so the valuable chemical contents are not wasted, so that more of the chemical contents can be utilized. But (on an environmental note) even just one ‘recharge’ will HALVE the amount of alkaline battery waste in our land fills and this has profoundly positive environmental consequences. Most of the wasted alkaline cells in landfills are needless, as 90% of the chemical content of the discarded cell was not even finished.

Reconditioning or ‘recharging’ of alkaline cells has been possible for many years, but without careful microprocessor control, it was hitherto not always safe. Some cells would get hot, and unless monitored with alarms, this might happen at any time, with sealed cells eventually spilling their contents. This is the basis of the battery makers may correctly warn users from using chargers. The EverCharge system has built in safeguards which identify bad cells, such as short circuited cells, wrong polarity etc and will not attempt to charge or recondition these batteries, making the charging process very safe as well as very effective.

On an environmental note, the cost/performance comparison between standard alkaline batteries and rechargeable batteries such as Ni-Cd (Nickel Cadmium) and Ni-MH (Nickel Metal Hydride) is overwhelmingly in favour of rechargeable batteries, we think them the obvious environmental choice.

We kindly request the user to follow the operating instructions to preserve this condition and to ensure safe operation.

The device is intended for charging rechargeable Ni-Cad, Ni-MH and RAM batteries of type of

Mono (C), Baby (D), Mignon (AA) and Micro (AAA) as well as 9v block batteries. The charger is also effective at recharging standard alkaline batteries of the same types but at a more limited capacity as outline earlier. (See “note on standard alkaline batteries”)

### **Warranty Disclaimer**

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- No part of the product may be modified or rebuilt and the housing must not be opened.
- Always observe the safety instruction.
- In case of any damages which are caused due to failure to observe these operating instructions, improper operation or the failure to observe the safety instructions, the guarantee will be voided. We neither assume liability for consequential damages nor for damages to property nor personal injury arising from improper use of the device.
- For safety and approval reasons the unauthorized conversion or opening of the device is prohibited.
- Never short-circuit the charging contacts or batteries. It is normal that batteries get warm during the charging procedure. Please handle re-charged batteries with care.
- The EverCharge universal battery charger must not come into contact with moisture or wetness.
- Neither the device nor batteries are toys for children. Please keep them out of reach of children.

### ***Important safety instruction***

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Before you use your new universal fast charger, please pay attention to the user's manual and the safety instructions listed below.

- Never use the unit outdoors; it is designed only for use indoor use
- This charge is only suitable for the Ni-Cd(Nickel Cadmium) accumulators and the Ni-MH(Nickel Metal Hydride ) accumulators and Alkaline
- Don't use extension cord for connection of the unit.
- Pay attention to the correct polarity during inserting the accumulators.
- Use the unit only at ambient temperatures of 0-40°C.
- Always draw the main plug out of the socket after each use and before cleaning.
- Protect the charger against humidity and heat.
- Never open the unit by yourself; otherwise the warranty will become invalid! Repair can be carried out only by our service branch or an authorized distributor. Faults on montage can cause fires or electric shocks.
- Do not use damaged or corroded accumulators.
- AAA accumulators with a capacity of 300 mAh can never be charged for more than 0.5 hours.

- Never connect other electric units or devices with a damaged main together.
- If the connection cord of this unit is damaged, it must be replaced by the manufacturer, its service person or a similar qualified person, in order to avoid danger.

### ***PRODUCT DESCRIPTION***

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1、 This charger can charge 4 kinds of batteries Ni-Cd、 Ni-MH, RAM &Alkaline.

- The Four separate battery charging bays function independently
- This enables charging of up to 4 batteries simultaneously, Note : Batteries must of the same type is Ni-Cad, Ni-MH or alkaline.
- Accommodates both AA、 AAA、 C、 D size and 9V batteries.  
Battery type is preselected therefore only one type (Ni-Cd, Ni-MH, RAM or alkaline (Ram Setting)) battery can be charged at one time
- This charge use's the latest battery charging technology. It uses “-delta V” deletion when charging Ni-Cad &Ni-MH battery first, followed by a quick charge. Once the battery is fully charged, a constant current trickle charge will keep the battery at optimum capacity.

2、 ***Discharging Ni-Cd only:***

Discharge times will very dependant on capacity and charge state, typically the process could take up to one hour, before the charge cycle commences.

During the discharge process

The indicator LED will glow amber

3、 ***Operation***

Please read the following instructions carefully before first use of the EverCharge.

- Connect the DC plug from the AC adaptor to the DC socket on the rear of the charger.
- Insert the AC adaptor into the household supply ensuring the wall socket is switched ON. This will cause the LED power indicator light to turn on.
- Select the required battery type by moving the batter selector switch between Ni-Cd ,Ni-MH or Ram for alkaline batteries (Switch must not be moved after batteries are loaded)
- Insert the required number of batteries into the charger, making sure the correct polarity is observed (+ is uppermost)
- After approximately 2 seconds the EverCharge will automatically detect the status of the battery.
- Once battery detection is complete one of the following charging programs will commence.
- Ni-Cd batteries: A characteristic of a Ni-Cd battery is that it suffers from a memory condition which means after repeated topping up of the battery the capacity is significantly reduced to counteract this effect the EverCharge will discharge the battery first (LCD linking “DIS”& energy LCD indicator flashing downward ) whilst LED indicator is illuminated yellow  
Once the discharge cycle is completed , EverCharge will begin the quick charge program (LCD blinking “CHA”& energy level indicator flashing upward ) whilst the LED indicator illuminates red.  
When the battery is fully charged ,( The LCD will show “OK”& energy level indicator showing full) whilst the LED indicator illuminates green.
- Ni-MH & Alkaline batteries: Since neither Ni-MH nor Alkaline batteries have

memory characteristics; EverCharge will automatically start the quick charge program. Both LCD & LED will have the same display as for charging Ni-Cd battery.

- Providing the fully charged batteries are not removed from the battery charging bays, The EverCharge will automatically trickle charge the battery keeping it at its optimum capacity.

### **CHARGING TIME**

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In order to determine the approximate charge times the formula as below can be applied.

$\frac{\text{capacity of the battery}}{\text{current of the charger}} \times 1.4 = \text{charge time of the battery}$

Battery Type	Battery size	Battery capacity	Charge time
Ni-Cd	AAA	400mAh	0.7Hours
	AA	800mAh	1.4Hours
	C	2200mAh	3.9Hours
	D	4400mAh	7.7Hours
Ni-MH	AAA	800mAh	1.4Hours
	AA	2300mAh	4Hours
	C	3300mAh	5-8Hours
	D	5000mAh	8Hours

Alkaline	AAA	1.5V	Leave in for 24 hours
	AA	1.5V	Leave in for 24 hours
	C	1.5V	Leave in for 24 hours
	D	1.5V	Leave in for 24 hours
9V block		200mAh	7 Hours for Ni-MH & Ni-Cad

### Warranty Information

This product is fully guaranteed to the original purchaser against defects and workmanship for a period of one (1) year from the date of purchase, providing the equipment has been operated according to the accompanying instructions. This warranty is not valid if the product has been misused or damaged in way that is beyond our control. This warranty applies only to the product and Cutting Edge Consumer Products Ltd. is not responsible in any way for losses, damage or inconveniences caused by equipment failure. Proof of purchase is necessary to redeem warranty.

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