

## BATTERY CHARGER TRC 4 A1

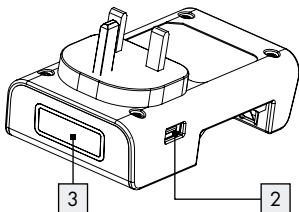
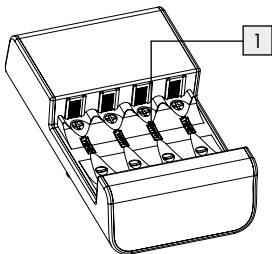
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GB IE NI

### BATTERY CHARGER

Operation and safety notes







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## List of pictograms used



This symbol means that the operating instructions must be observed when using the product.



Only use the product in dry indoor rooms.



Volt (alternating voltage)



Hertz (frequency)



Protection class II. The power adaptor has a double insulation.



Observe the warnings and safety instructions!



Direct current

# **Battery charger**

## **● Introduction**



We congratulate you on the purchase of your new product. You have chosen a high quality product. The instructions for use are part of the product. They contain important information concerning safety, use and disposal. Before using the product, please familiarise yourself with all of the safety information and instructions for use. Only use the product as described and for the specified applications. If you pass the product on to anyone else, please ensure that you also pass on all the documentation with it.



## ● **Intended use**

This product is intended exclusively for non-commercial use in the charging of rechargeable Ni-MH batteries (AA/AAA) with standard rated capacities and charging of battery-operated products with a USB interface, such as MP3 Player or smart phone. Any other use or uses beyond those mentioned are considered to be unintended use. Claims of any kind for damage resulting from unintended use will not be accepted. The operator alone bears the liability.



Only use the product in dry indoor rooms.

## ● Part description

- 1 Loading slots for type AA/AAA
- 2 USB output
- 3 Display

## ● Technical data

Input voltage: 100–240 V~  
(alternating current)  
50/60 Hz

Power

consumption: 14 W

Protection class: II/□ (The power  
adaptor has a  
double insulation.)

Operating

temperature: 0 °–30 °C

Storage

Temperature: -20 °–40 °C

Humidity

(no condensation): 5–80 %

Output voltages: 4 x 1.5 V (Loading slots 1–4)

Charge currents: 4 x 450 mA (Type AA) or 4 x 200 mA (Type AAA)

Maximum  
assessment  
capacity:

AAA: 1000 mAh

AA: 2700 mAh

USB 2.0 output: 5 V, 1000 mA

Measurements

(W x H x D): approx. 67.9 x  
68.1 x 121.6 mm

Weight: approx. 128 g  
(without recharge-  
able battery)

## ● Included items

- 1 Battery charger
- 4 Ni-MH rechargeable batteries  
(Type AA Mignon, Ni-MH, 1.2 V,  
2400 mAh, HR6, HRMR 15/51,  
gastight) for Model A
- 4 Ni-MH rechargeable batteries  
(Type AAA Micro, Ni-MH, 1.2 V,  
900 mAh, HR03, HRMR 11/45,  
gastight) for Model B
- 1 Operating manual



## **General safety instructions**

**BEFORE USING THE  
PRODUCT, PLEASE  
FAMILIARISE YOURSELF  
WITH ALL OF THE SAFETY  
INFORMATION AND  
INSTRUCTIONS FOR USE!  
WHEN PASSING THIS  
PRODUCT ON TO OTHERS,  
PLEASE ALSO INCLUDE  
ALL THE DOCUMENTS!**

- **WARNING!** Packaging material should not be used as a play thing. There is a risk of suffocation!
- Before use check the product for visible external damage. Do not put into operation a product that is damaged or has been dropped.
- If the power plug is damaged, it must be

replaced by a qualified persons in order to avoid a hazard.

- This product may be used by children aged 8 over and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge, provided that they are under supervision or have been told how to use of the product safety

and are aware of the potential risks. Children must not play with the product. Cleaning and user maintenance tasks must not be carried out by children unless they are supervised.

- Do not make any changes or modifications to the product yourself.
- Protect the product from moisture and liquid penetration. Never submerge



the product in water, do not place the product in the vicinity of water and do not stand any object filled with liquid (i.e. vases) on the product.

- Do not operate the product in the vicinity of open flames (e.g. candles).
- Unplug this product from wall outlet when not in use.



## Safety instructions for rechargeable batteries

### ■ **DANGER TO LIFE!**


Keep rechargeable batteries out of reach of children. If accidentally swallowed seek immediate medical attention.



### ■ **DANGER OF EXPLOSION!**

Never recharge non-rechargeable batteries. Do not short-circuit rechargeable batteries and / or open them. Overheating, fire or bursting can be the result.

- Never throw rechargeable batteries into fire or water.

-  Never burn or incinerate any battery / Never pierce, attempt to disassemble

or short-circuit / Always observe polarity (+/-) and charging times.

- Do not exert mechanical loads to rechargeable batteries.

## **Risk of leakage of rechargeable batteries**

- Avoid extreme environmental conditions and temperatures, which could affect rechargeable

batteries, e.g. radiators / direct sunlight.

- If rechargeable batteries have leaked, avoid contact with skin, eyes and mucous membranes with the chemicals! Flush immediately the affected areas with fresh water and seek medical attention!



## **WEAR PROTECTIVE**

**GLOVES!** Leaked or damaged rechargeable batteries can cause burns on contact with the skin. Wear suitable protective gloves at all times if such an event occurs.

In the event of a leakage of rechargeable batteries, immediately

remove them from the product to prevent damage.

- Only use the same type of rechargeable batteries. Do not mix used and new rechargeable batteries.
- Remove rechargeable batteries if the product will not be used for a longer period.

## **Risk of damage of the product**

- Only use the specified type of rechargeable batteries!
- Insert rechargeable batteries according to polarity marks (+) and (-) on the rechargeable battery and the product.
- Clean the contacts on the rechargeable battery and in the rechargeable



battery compartment  
before inserting!

- Remove defective re-chargeable batteries from the product immediately.

## ● Initial use

**Note:** Remove all packaging materials from the product.




- Check the contents to make sure everything is there and for visible damage.
- Remove the product and the operating instructions from the packaging.

## ● **Handling and operation**

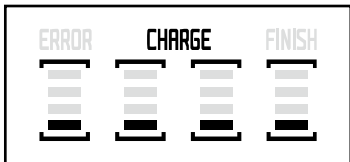
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- **WARNING!** Do not charge non-rechargeable batteries. Charge only Ni-MH rechargeable battery.

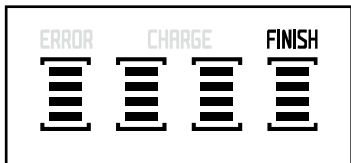
### ● **Charging rechargeable batteries**

1. Insert 1 – 4 pieces of rechargeable Ni-MH batteries (AA / AAA) into the loading slots . Make correct contact for polarity (+ and -); according to the sign in the loading slots .
2. Plug the product into a correct household electric outlet.
3. The LCD  will show the charging status of each rechargeable battery correspondingly and “CHARGE”

icon is appeared to represent charging is in progress.



4. The rechargeable battery is fully charged when all the bar inside the LCD 3 become solid.
5. When charging is completed, the "FINISH" will be appeared on the LCD 3 screen. You can remove the charged batteries from the rechargeable battery compartment 1.



6. Unplug and re-plug the product each time when you recharge the empty batteries.
7. The product can simultaneously charge rechargeable batteries and one USB device.

## ● Charging your USB device

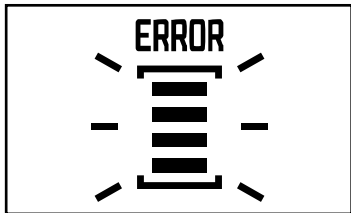
**Important:** Check for voltage compatibility with your USB device first.

1. Before using, check your USB device's input voltage and this product's output voltage if they can match. Make sure the total loading does not exceed the rated output current of this product.
2. Connect your USB device and the USB port of this product via a charging cable. (To ensure complete safety and best performance, we strongly recommend using the original charging cable of your product.)
3. The USB device will start charging your product automatically.
4. Your USB device should indicate it is now in charging mode.
5. Please unplug this product from wall outlet when not in use.

## ● **Bad cell / Short circuit protection**

The "ERROR" icon is appeared with the corresponding flashing of LCD **3** to indicate the rechargeable battery is either alkaline rechargeable battery or the rechargeable battery is not suitable for charging.

Please remove the rechargeable battery from the loading slots **1**.



## Calculating the average charging time

Depending on the type, age and remaining charge in the batteries, the charging process can take various lengths of time. The average charge time can be calculated using the following formula. Take note however that the times given are only guiding values.

$$\text{Charging Time (min)} = \frac{\text{Battery capacity (mAh)} \times 1.2 \times 60}{\text{Charging current of the product (mA)}}$$

## Automatic charging control / Retention charging

This product controls the charging time for Ni-MH rechargeable batteries separately. This control is based on the  $-\Delta V$

("Minus Delta V") calculation. In mathematics, with Delta  $\Delta$  differences are indicated. In this case, "Minus Delta V" means a negative voltage difference. This charge identification makes itself useful in the following effects: Should a rechargeable battery be charged with a constant current, its voltage rises continuously. When a rechargeable battery is full, its voltage reaches a maximum but falls again slightly with further current flow. This light fall in voltage is recognised by the charging electronics and the charge process is terminated. The product automatically switches to "Retention charging". This means that the batteries are no longer being loaded with constant current, instead, with short current pulses. This



counteracts the selfdischarge and the batteries are kept in a state of full charge.

## **Timer control**

In addition, this product has a timer control which automatically switches over to retention charging after 7 hours. This serves as an additional protection against overcharging should the charge termination not respond due to a possibly defective rechargeable battery.

## **● Cleaning and care**

- **DANGER!** Always remove the plug before cleaning the product. There is the risk of an electric shock!
- When you are cleaning the product ensure that no moisture gets inside

it, so as to avoid irreparable damage to it.

- **IMPORTANT!** Do not use aggressive or abrasive cleaning agents, as these can damage the upper surfaces.

## ● **Cleaning the housing**

- Clean the surfaces of the product with a soft, dry cloth. For stubborn soiling use a lightly moistened cloth.
- Never clean the insides of the loading slots **1** with moist cloths. Instead, use a clean soft brush to clean them.
- If soiled, clean the charging contacts with a dry cloth.

# ● Troubleshooting

● = **Problem**

⊙ = Cause

○ = Solution

● = **The product is not functioning.**

⊙ = Mains power socket is not supplying power.

○ = Check the circuit fuse.

● = **The inserted rechargeable batteries are not being charged.**

⊙ = The rechargeable batteries are not inserted as per their polarity.

- = Insert the batteries as per their polarity (see marking in the charging slot).
- ⦿ = The inserted rechargeable batteries are not suitable for charging.
- = Insert exclusively rechargeable Ni-MH rechargeable batteries of the types AA/AAA/batteries.

## ● **Disposal**

The packaging is made entirely of recyclable materials, which you may dispose of at local recycling facilities.



Observe the marking of the packaging materials for waste separation, which are

marked with abbreviations (a) and numbers (b) with following meaning:  
1-7: plastics / 20-22: paper and fibre-board / 80-98: composite materials.



The product and packaging materials are recyclable, dispose of it separately for better waste treatment. The Triman logo is valid in France only.



Contact your local refuse disposal authority for more details of how to dispose of your worn-out product.



To help protect the environment, please dispose of the product properly when it

has reached the end of its useful life and not in the household waste. Information on collection points and their opening hours can be obtained from your local authority.

Faulty or used batteries / rechargeable batteries must be recycled in accordance with Directive 2006/66/EC and its amendments. Please return the batteries / rechargeable batteries and / or the product to the available collection points.



## **Environmental damage through incorrect disposal of the batteries / rechargeable batteries!**

Batteries / rechargeable batteries may not be disposed of with the usual domestic waste. They may contain toxic heavy metals and are subject to hazardous waste treatment rules and regulations. The chemical symbols for heavy metals are as follows: Cd = cadmium, Hg = mercury, Pb = lead. That is why you should dispose of used batteries / rechargeable batteries at a local collection point.

## ● **Warranty**

The product has been manufactured to strict quality guidelines and meticulously examined before delivery. In the event of product defects you have legal rights against the retailer of this product. Your legal rights are not limited in any way by our warranty detailed below.

The warranty for this product is 3 years from the date of purchase. Should this product show any fault in materials or manufacture within 3 years from the date of purchase, we will repair or replace it – at our choice – free of charge to you.



The warranty period begins on the date of purchase. Please keep the original sales receipt in a safe location. This document is required as your proof of purchase. This warranty becomes void if the product has been damaged, or used or maintained improperly.

The warranty applies to defects in material or manufacture. This warranty does not cover product parts subject to normal wear, thus possibly considered consumables (e.g. batteries) or for damage to fragile parts, e.g. switches, rechargeable batteries or glass parts.

## ● **Warranty claim procedure**

To ensure quick processing of your case, please observe the following instructions:

Please have the till receipt and the item number (e.g. IAN 123456\_7890) available as proof of purchase.

You will find the item number on the type plate, an engraving on the front page of the instructions (bottom left), or as a sticker on the rear or bottom of the appliance.

If functional or other defects occur, please contact the service department listed either by telephone or by e-mail. You can return a defective product to us free of charge to the service address

that will be provided to you. Ensure that you enclose the proof of purchase (till receipt) and information about what the defect is and when it occurred.

## ● **Service**

### **GB Service Great Britain**

Tel.: 0800 404 7657

E-Mail: [owim@lidl.co.uk](mailto:owim@lidl.co.uk)

### **IE Service Ireland**

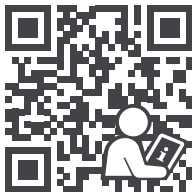
### **NI Service Northern Ireland**

Tel.: 1890 930 034

(0,08 EUR / Min.,  
(peak)) (0,06 EUR /  
Min., (off peak))

E-Mail: [owim@lidl.ie](mailto:owim@lidl.ie)





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