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OPERATING INSTRUCTIONS

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# Compact Battery Charger



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MODEL: B1502

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# thank you

Thank you for the purchase of this quality **LLOYTRON** product. Used carefully and in accordance with the instructions enclosed, it should give you trouble free service over a long period of time. Please keep these instructions for future reference.

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## FEATURES

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- For use with Ni-Mh or Ni-Cd Rechargeable Batteries.
- Individually Charges 'AA', 'AAA' or PP3 9v Batteries Only.
- Mains Plug in Operation.
- Charge up to 4 x 'AA' or 4 x 'AAA' or 2 x PP3 9v Ni-Mh or Ni-Cd Batteries at a time.
- Automatic Short Circuit and Reverse Polarity Protection
- Over-Charge Protection

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## IMPORTANT SAFEGUARDS AND PRECAUTIONS

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### SAVE THESE INSTRUCTIONS

- Read all instructions carefully
- For Household Use only. Not intended for commercial use.
- Only for use indoors.

#### DO NOT

Do not use outside or in damp conditions.

- Before plugging into mains socket, check whether supply line voltage and current rating are in compliance with the rated electrical parameters shown on the rating label.
- Keep away from hot surfaces, such as gas or electric hobs and ovens etc

#### DO NOT

Do not use for any purposes other than the appliances intended use.

- This appliance is not intended to be operated by means of an external timer or separate remote control system.

#### DO NOT

Do not use if any part of this appliance is damaged in any way.

- Always unplug when not in use.
- To prevent against the risk of electric shock, do not submerge any part of this appliance in water, unless advised in this manual.
- Do not leave unattended.
- Defective batteries being charged may leak or in rare cases explode.



- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with this appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Instruct the child not to try and recharge non-rechargeable batteries because of the danger of eruption.
- Examine the battery charger regularly for damage, especially the cord, plug and enclosure. If the battery charger is damaged, it must not be used until it has been repaired.

When using electrical appliances, basic safety precautions should always be followed, including the following:

- This charger is intended for use with Nickel Cadmium and Nickel-Metal hydride batteries only.
- Charging other batteries may cause personal injury and damage to the charger.
- Observe correct polarity.

**⊘ DO NOT**

Do not charge a leaking or corroded battery.

**⊘ DO NOT**

Do not short circuit terminals.

**⊘ DO NOT**

Do not try to charge non-rechargeable batteries.

**⊘ DO NOT**

Do not charge Zinc Carbon, Alkaline or Lithium Batteries.

**⊘ DO NOT**

Do not mix chemistry types of batteries when charging.



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## SPECIFICATIONS

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- Input Voltage: 220-240v ~ 50/60Hz

Charging Rates:

- AAA – 1.2v DC / 200mA
- AA – 1.2v DC / 200mA
- PP3 - 9v DC / 20mA

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## GUIDE TO CHARGING TIMES

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To calculate the charging times, use the following formula:

$$\text{Charging Time (Hrs)} = \frac{\text{Battery Capacity (mAh)}}{\text{Charging Rate (mA)}}$$

Examples:

- (AA 1600mAh) **8hrs** = 1600mAh / 200mA
- (AA 2100mAh) **11hrs** = 2100mAh / 200mA
- (AAA 800mAh) **4hrs** = 800mAh / 200mA
- (PP3 9v 250mAh) **13hrs** = 250mAh / 20mA

These are examples only. You must calculate your charging time based on the capacity of your batteries, which are stated on the actual battery.

Do not mix capacities in same bank.



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## HOW TO USE

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- This Charger will charge up to 4 x AA or AAA batteries (2 or 4 Batteries at a time).
- Both Ni-Mh or Ni-Cd batteries can be charged.
- Ni-Cd (Nickel Cadmium) Batteries must be **DISCHARGED** before use to avoid memory defect.
- Always observe **CORRECT POLARITY** when inserting batteries.
- The Red LED Indicator will **LIGHT UP** to indicate that a battery has been inserted. It will not switch off when batteries are fully charged. **LEFT LED** is for left bank incl. 9v, **RIGHT LED** is for right bank incl. 9v.
- **ALWAYS** calculate the charging time required using the formula shown in '**GUIDE TO CHARGING TIMES**' section of this instruction manual **BEFORE COMMENCING CHARGE**.
- Do not charge longer than twice the maximum charging time. This may damage the batteries and cause them to leak.



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## WEEE/ENVIRONMENTAL PROTECTION

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### ■ DISPOSAL OF ELECTRICAL AND ELECTRONIC EQUIPMENT

Do not dispose of this product with household waste. For the proper treatment, recovery and recycling please take this product to the appropriate waste collection point. If you are unsure where this may be, please contact your local authority. Improper disposal may be harmful to the environment.



### ■ PRODUCT END OF LIFE AND BATTERY DISPOSAL

The rechargeable battery contains substances that may pollute the environment. At end of life for the product, always remove the battery and separate before you discard the product at your local waste collection point. Both battery and product should be disposed separately.

If you have trouble removing the battery, then you should contact a qualified technician or authorised service centre.

Contact your local authority for details and locations of official waste collection points. Do not dispose of batteries or product with normal household waste.





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## LLOYTRON® CUSTOMER SERVICES

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If you have any queries about this product then please contact Lloytron Customer Services online at:



[www.lloytronhelpdesk.com](http://www.lloytronhelpdesk.com)

To find out more about Lloytron products, visit [www.lloytron.com](http://www.lloytron.com)



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