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## OPERATING INSTRUCTIONS

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# Universal Battery Charger



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**MODEL: B1531**

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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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- Plug in Mains
- Charges individual 'AA', 'AAA', 'C', 'D', 1 or 2 x PP3 9v NiMH Rechargeable Batteries (Batteries Not Included)
- Charging Status LED indicators (Do not indicate when fully charged)
- 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.
- To prevent damage to the mains cord, do not let it pass over sharp corners, edges or hot surfaces.
- If the supply cord is damaged, do not use. Check before each use!
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

### 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.



## IMPORTANT SAFEGUARDS AND PRECAUTIONS

- 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-Metal hydride batteries only.
- Charging other batteries may cause personal injury and damage to the charger.
- Observe correct polarity.
- Always dispose of unused or dispart batteries carefully and responsibly. Check with your local authority on the correct safe disposal procedures.

### DO NOT

Do not charge a leaking or corroded battery.

### DO NOT

Do not try to charge non-rechargeable batteries.

### DO NOT

Do not mix chemistry types of batteries when charging.

### DO NOT

Do not charge Zinc Carbon, Alkaline or Lithium Batteries.

### DO NOT

Do not short circuit terminals.

### DO NOT

Do not mix battery capacities when charging.



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## TECHNICAL SPECIFICATIONS

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Rated Input:	100 – 240V~ 50/60Hz 0.15W
Rated Output 1:	DC 1.2V 4x 150mA per channel (600mA max)
Rated Output 2:	DC 9v 35mA
AA/AAA/C/D	150mA
9v	35mA
Cord Length:	1.0m (approx.)
Dimensions:	19.5 x 9.5 x 5cm (approx.)
Operating Temperature:	+5°c to +30°c

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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 2100mAh) **14hrs** = 2100mAh / 150mA
- (AAA 800mAh) **5hrs** = 800mAh / 150mA
- (C / D 3000mAh) **20hrs** = 3000mAh / 150mA
- (PP3 9v 250mAh) **7hrs** = 250mAh / 35mA

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



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## HOW TO USE

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- This Charger will charge individual AA, AAA, C or D, 1 or 2 x PP3 9v sized batteries at a time.

**Note:** This battery charger has been designed so that the user can charge different sized batteries at the same time. e.g 1 of 'AA' battery and 1 of 'D' battery.

- Always observe **CORRECT POLARITY** when inserting batteries.



- The Red LED Indicator will **LIGHT UP** to indicate that a battery has been inserted. There is no indicator to state when the battery is fully charged
- **ALWAYS** calculate the charging time required using the formula shown in 'GUIDE TO CHARGING TIMES' section of this instruction manual **BEFORE COMMENCING CHARGE**.

### CAUTION

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/ENVIROMENTAL PROTECTION

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### ■ DISPOSAL OF ELECTRICAL AND ELECTRONIC EQUIPMENT

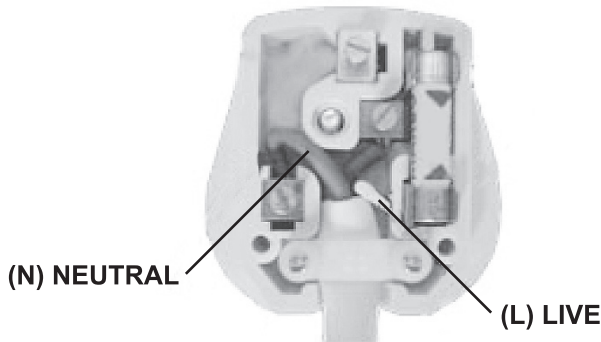
Do not dispose of this product with household waste. For the proper treatment, recovery and recycling please take this product to the appropriate waste collection point. If you are unsure where this may be, please contact your local authority. Improper disposal may be harmful to the environment.



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## FITTING A NEW UK PLUG

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Your appliance operates on 220-240V~50Hz AC Mains and comes fitted with a 3-pin BSI Approved plug, so that it is ready for use for the UK or Eire market. If for any reason you need to fit a new plug, the flexible mains lead must be connected as shown below: -

### ■ IMPORTANT:

The wires in the mains lead are coloured in accordance with the following code:

BLUE:	NEUTRAL (N)
BROWN:	LIVE (L)

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.  
The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.

### ■ DO NOT CONNECT EITHER WIRE 'L' OR 'N' TO THE EARTH TERMINAL OF A 3-PIN PLUG

Always ensure that the Mains Cord is located into the Plug through the Cord Guard or Cable Clamp, and that the Cord Guard screws are tightened to clamp the Cord (outer sheath and inner coloured wires) in position in the Plug. Make sure the Plug top is also fitted securely.

The supply cord cannot be replaced. If the supply cord is damaged, the appliance should be scrapped.

This appliance must be protected by a 3 Amp fuse in a 13 Amp type (BS1363) plug.  
Should you need to replace the fuse, use only an ASTA approved BS1362 fuse.



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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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