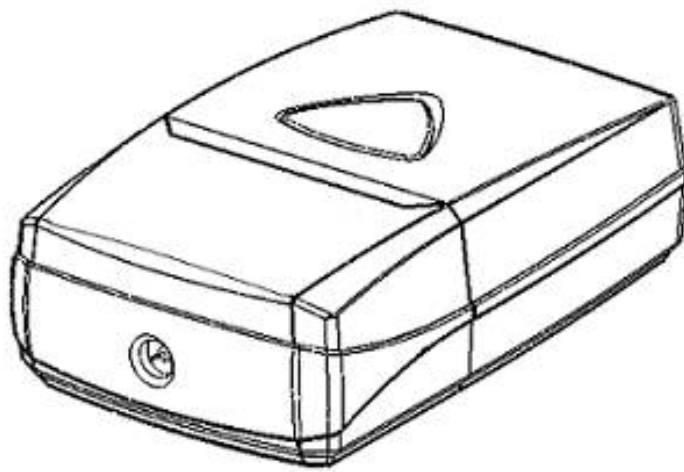


Camlink Z1 Universal Li-ion/NiCd/NiMH Battery Charger



User Guide

Important: Please read the following instructions before using your charger for the first time as they explain how to operate this product.

INTRODUCTION

Congratulations on your purchase of the Camlink Z1 Universal battery charger with which you can quickly and safely charge Li-ion, NiCd or NiMH rechargeable batteries.

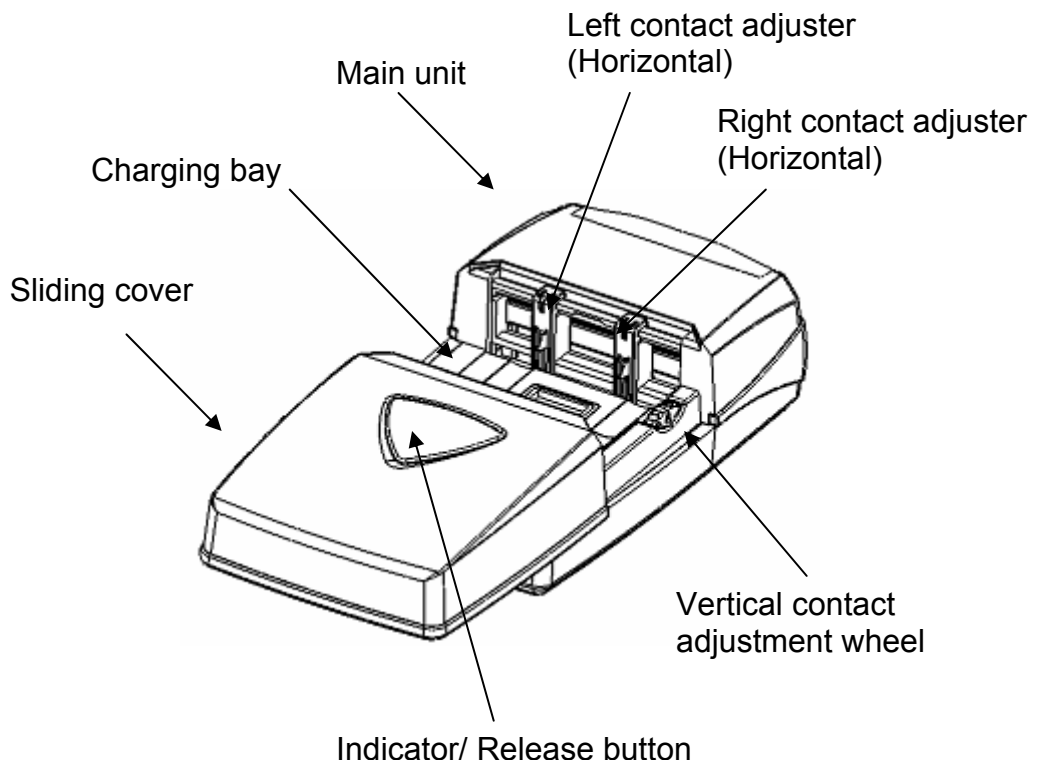
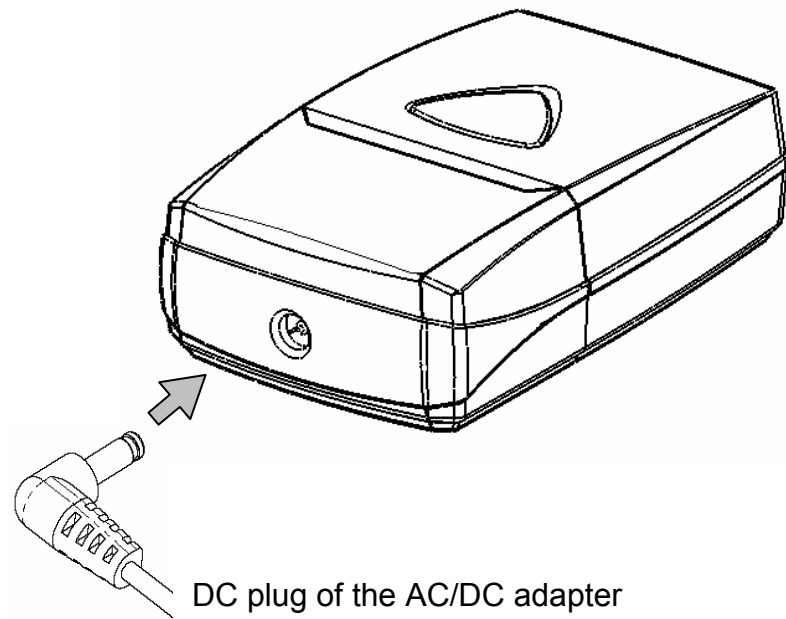
FEATURES

- Compatible with most 3.6 - 7.4V digital camera/camcorder and mobile phone batteries.
- Fast charging for two rechargeable AA or AAA size NiCd/NiMH batteries.
- Automatic battery type and voltage detection.
- Smart charging function with precise end-of-charge detection guarantees safe and effective charging of batteries.
- Supplied with mains power adapter and 12V car adapter.
- Supplied with three interchangeable power plugs (UK, EU and USA)
- Trickle charging for battery optimisation. Automatic detection for 3.6 - 7.4V Li-Ion rechargeable batteries.
- LED status indication.
- Overcharge and timer protection.
- Faulty and/or abnormal battery detection.

Approximate Charge Times*	
<u>Battery Capacity</u>	
500 mAh	30 Minutes
1000 mAh	1 Hour
2000 mAh	2 Hours
3000 mAh	3 Hours
4000 mAh	4 Hours
5000 mAh	5 Hours
6000 mAh	6 Hours

* Charge times vary depending on the capacity and condition of the battery.

APPEARANCE



OPERATING INSTRUCTIONS

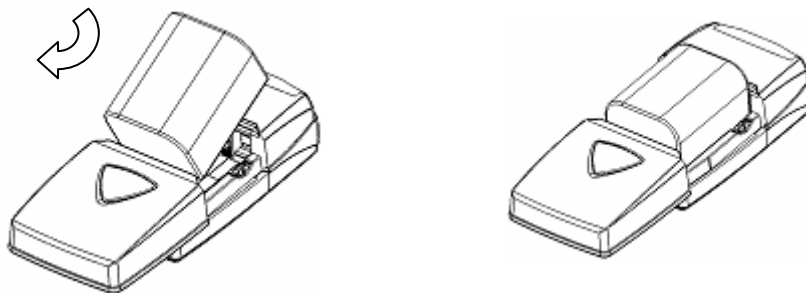
This section explains how to power the charger, insert a battery in the charger and charge your battery.

Powering the charger

- Using the supplied AC/DC adapter insert the small DC plug into the input socket at the end of the charger unit. Choose the appropriate interchangeable UK, EU or USA mains plug and fit it to the mains adapter at the other end of the lead. This plug should then be inserted into your mains power supply and the power switched on. A 12V car adapter lead is also supplied so that you can use the charger when you are in a vehicle.

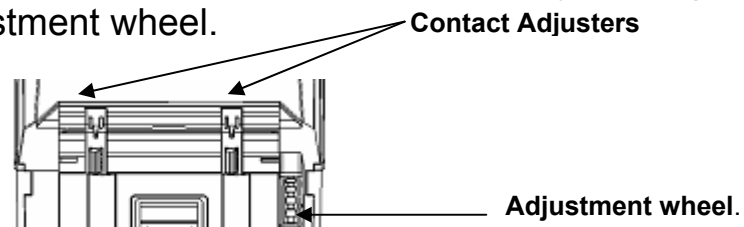
Inserting the Li-ion Battery

- Pull back the sliding cover and insert the battery until it fits completely into the charging bay.
- For batteries of a longer length or bigger size, press the release button to further extend the sliding cover before inserting the battery.



Adjusting the position of the contacts for charging

- Adjust the horizontal position of the contacts by moving the left and right contact adjusters.
- Adjust the vertical position of the contacts by turning the contact adjustment wheel.



Important: For the DR-LB1 (Y800) Li-ion battery, don't use the left adjuster as the charging contact. It must be moved to the position marked 00. The right adjuster should be moved to the position marked 27 which then should be used as the charging contact for the positive terminal of this battery.

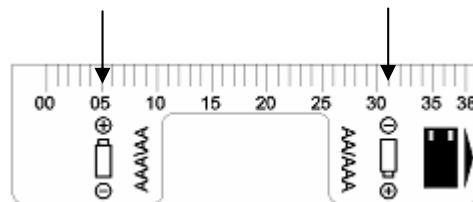
Adjusting the sliding cover

- For small or standard size batteries, just simply pull back the sliding cover.
- For batteries of a bigger size, press down the release button and hold it, moving the sliding cover forward or backward.



Charging AA or AAA rechargeable batteries

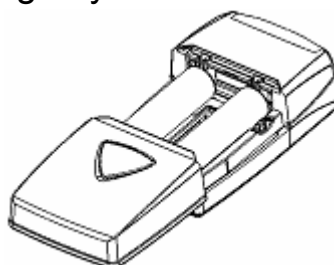
- You can also charge either 2pcs AA or 2pcs AAA size rechargeable NiCd/NiMH batteries.
- Pull back the sliding cover and insert 2pcs AA or 2pcs AAA size cells into the charging bay. Please make sure you only charge batteries that are the same size, type and capacity.
- Adjust both the left and right contact adjusters to the position marked with the 'AA/AAA' symbol (as shown below).



- Move the vertical adjustment wheel to position 'C'



- Move the sliding cover until the batteries are fully seated into the charging bay.



NOTE: DO NOT mix battery size or type in the charging bay. Batteries inserted into the charging bay must be of the same size, capacity and type (i.e. NiCd or NiMH). The charger may malfunction if mixed battery types or capacities are used and may damage the batteries permanently.

DO NOT CHARGE ALKALINE BATTERIES IN THIS CHARGER

All product specification subject to change without notice. E.& O.E.

Camlink is a registered trademark of Fameart Ltd

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TECHNICAL SPECIFICATION

Power source:	12VDC (11-18VDC)
Input current:	1000mA max.
Output voltage:	8.0 VDC (GS) & 8.5VDC (UL & cUL)
Output charging current:	1000mA max. (3.6V Li-ion battery) 1000mA max. (7.2V Li-ion battery) 1000mA max. (Ni-CD/ Ni-MH battery)
Charge termination:	100mA max. (Li-ion Battery) Negative Delta V detection (Ni-CD/ Ni-MH battery)
Timing protection:	Max. 6 hours (Li-ion battery) Max. 6 hours (Ni-CD/ Ni-MH Battery)
LED indication:	Power up: Dark Blue Charging: Blue (Flashing) Full charge: Blue Fault: Blue & Green (Flashing alternately)
Dimensions (cover closed):	95mm (L) x 30mm (H) x 60mm (W)
Operating temperature:	32° F~104° F (0° C~40° C)