

CELECTRA™

▶▶▶▶▶ Li-Po Charger

Instruction Manual

4-Port DC Li-Po Charger

EFLC1004



Features

- 4 independently functioning charging circuits to reliably charge your single-cell Li-Po battery.
- Charges E-flite and ParkZone single-cell Li-Po batteries for ultra-micro flyers.
- Use all 4 ports simultaneously or one at a time.
- Uses four high-capacity D-size batteries (not included) to provide many charges and maximum portability.
- Optional AC/DC 6V power supply available (EFLC1005).

E-flite® products are distributed exclusively by
Horizon Hobby, Inc.
4105 Fieldstone Road
Champaign, IL 61822
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www.E-fliteRC.com

Introduction

The Celectra 4-Port DC Li-Po Charger (EFLC1004) offers E-flite® and ParkZone® single-cell Li-Po users, for ultra-micro flyers, the convenience of charging multiple or individual single-cell Li-Po batteries simultaneously. Pilots can also charge without the need for D-size batteries with the optional E-flite 6V AC/DC Power supply (EFLC1005), specifically designed for use with your 4-port charger.

Battery Warnings and Guidelines

While the Celectra 4-Port 1-Cell 3.7V 0.3A DC Li-Po Charger has been specifically designed to safely charge the E-flite and ParkZone single-cell 3.7V Lithium Polymer Batteries such as EFLB1101S and PKZ3001, you **MUST** read the following safety instructions and warnings before handling, charging or using the Li-Po battery.



Note: Lithium Polymer batteries are significantly more volatile than the alkaline, Ni-Cd or Ni-MH batteries used in RC applications. All instructions and warnings must be followed exactly. Mishandling of Li-Po batteries can result in fire.

By handling, charging or using the included Li-Po battery, you assume all risks associated with lithium batteries. If you do not agree with these conditions, return your complete Celectra 4-Port 1-Cell 3.7V 0.3A DC Li-Po Charger (EFLC1004), in unused condition to the place of purchase immediately.

- You must charge 1-cell 3.7V Li-Po batteries in a safe area away from flammable materials.
- Never charge the battery unattended. When charging the battery you should always remain in constant observation to monitor the charging process and react to potential problems that may occur.
- After flight, the Li-Po batteries must be cooled to the ambient temperature before charging.
- If at any time during the charge or discharge process the battery begins to balloon or swell, discontinue charging or discharging immediately. Quickly and safely disconnect the battery, then place it in a safe, open area away from flammable materials to observe it for at least 15 minutes. Continuing to charge or discharge a battery that has begun to balloon or swell can result in a fire. A battery that has ballooned or swollen even a small amount must be removed from service completely.

Battery Charging

LED functions under normal operation:

- Solid – Charging
- Blinking – Charging nearly complete
- Off – Fully Charged

Replace D-size batteries when:

- LED remains solid for over 60 minutes when charging (70mAh–110mAh) Li-Po batteries
- LED remains solid after removing single-cell Li-Po batteries from individual ports.
- LED remains off after inserting discharged single-cell Li-Po batteries in individual ports.

It is important that you only charge E-flite and ParkZone 1-Cell 3.7V Li-Po Batteries, used in our ultra-micro flyers, with the Celectra 4-Port 1-Cell 3.7V 0.3A DC Li-Po Charger (EFLC1004). Please familiarize yourself thoroughly with the Battery Warnings and Guidelines section before continuing.

Please follow these steps to charge your single-cell Li-Po battery with the Celectra 4-Port Li-Po Charger.

- Remove the cover on the bottom of the charger and install four D-size batteries, noting proper polarity. Replace the cover after the D-size batteries are installed.



- Slide the battery into any open slot on the charger. The end-cap of the battery has been specifically designed to allow the battery to be slid into one of the slots easily one way (usually with the label on the battery facing outward) to prevent reverse polarity connection. However, please be sure to check for proper alignment and polarity before proceeding to the next step.



- Gently press the battery and its connector into one of the charge jack/connectors located at the bottom of the slots on the charger. Again, be sure to check for and to achieve proper polarity before making the connection. **DO NOT FORCE THE BATTERY INTO THE SLOT.**
- After you make the connection successfully, the LED light on the charger port being used will turn solid red, indicating that charging has begun.
- It will take approximately 30–40 minutes to charge a fully discharged (not overdischarged) 70mAh–110mAh battery. As the battery nears full charge, the LED light will begin to blink. When the battery is fully charged the LED light will blink approximately every 20 seconds or will go out entirely.

Note: Do not leave charged Li-Po batteries connected in any of the charge ports for long periods of time.

Using the optional 6V, 1.5-Amp AC/DC Power Supply (EFLC1005)



The Celecra 4-Port 1-Cell 3.7V 0.3A DC Li-Po Charger was designed to be compatible with the E-flite 6V, 1.5-Amp AC/DC Power Supply.

NEVER attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.

Note: When using the AC to DC adapter/power supply, the Celecra 4-Port Charger is designed to bypass the D-size battery circuitry to prevent damage. It is still highly recommended that you remove D-size batteries when connecting your charger to a compatible AC/DC adapter/power supply. **Do not insert charged or discharged Li-Po batteries in any of the charge ports if the power supply is connected to the 4-port charger while power supply is not connected to a power source.**

NEVER LEAVE THE ADAPTER/POWER SUPPLY OR CHARGER PLUGGED IN UNATTENDED.

Celecra 4-Port Li-Po Charger Warning

Lithium Polymer (Li-Po) batteries are significantly more volatile than other rechargeable batteries used in RC applications. Failure to read and follow these instructions and safety precautions may result in fire, personal injury and damage to property.

E-flite, Horizon Hobby, Inc., its retailers, and any other representatives, assume absolutely no liability for use of this product or failure to comply with these instructions and precautions.

If you are not prepared to accept complete liability for the purchase and/or use of this product, you are advised to return it new and unused to the place of purchase immediately.

Never ship batteries without the expressed permission of the recipient. Batteries carrying a charge of 25% or more cannot be shipped safely. Batteries which are damaged cannot be shipped safely. Damage or loss due to unsafe shipping is the legal responsibility of the person who shipped the product.

Usage Guidelines, Warnings and Safety Precautions

- Always inspect batteries before charging.
- Never charge or use a Li-Po battery or pack that shows any damage or disfigurement of any kind. Swelling is a sign of internal damage. Any breach of protective cover, wiring or plugs is also reason to discontinue use. See the manufacturer's instructions for proper disposal of Li-Po batteries.
- Never charge near or in the area of any flammable or combustible materials.
- Always charge Li-Po batteries in or on fire resistant materials or containers.
- Do not store or charge Li-Po batteries with or around other batteries or battery packs of any type, including other Li-Pos.
- Never leave the battery and charger unattended while in use. Improper charging or discharging of Li-Po batteries could result in fire.
- Constantly monitor the temperature of the battery pack while charging. If the battery becomes hot to the touch discontinue charging immediately. Disconnect the battery from the charger and observe it in a safe place for approximately 15 minutes.
- If at any time you see a battery starting to balloon or swell up, discontinue charging immediately. Disconnect the battery from the charger and observe it in a safe place for approximately 15 minutes.
- Do not allow children to charge Li-Po battery packs.
- This charger is designed for 1-cell Lithium-Polymer batteries ONLY. It MUST NOT be used to charge other size Li-Po batteries, Ni-MH or Ni-Cd battery packs.
- Never attempt to dismantle the charger.
- Always disconnect the charger from the power supply after charging the battery.
- Disposal of Li-Po batteries requires special care. Follow the manufacturer's instructions for safe disposal.

Limited Warranty Period

Horizon Hobby, Inc. guarantees this product to be free from defects in both material and workmanship for a period of 1 year from the date of purchase.

Limited Warranty

(a) This warranty is limited to the original Purchaser ("Purchaser") and is not transferable. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. This warranty covers only those Products purchased from an authorized Horizon dealer. Third party transactions are not covered by this warranty. Proof of purchase is required for warranty claims. Further, Horizon reserves the right to change or modify this warranty without notice and disclaims all other warranties, express or implied.

(b) Limitations- HORIZON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, ABOUT NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE PRODUCT. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

(c) Purchaser Remedy- Horizon's sole obligation hereunder shall be that Horizon will, at its option, (i) repair or (ii) replace, any Product determined by Horizon to be defective. In the event of a defect, these are the Purchaser's exclusive remedies. Horizon reserves the right to inspect any and all equipment involved in a warranty claim. Repair or replacement decisions are at the sole discretion of Horizon. This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Product. This warranty does not cover damage due to improper installation, operation, maintenance, or attempted repair by anyone other than Horizon. Return of any goods by Purchaser must be approved in writing by Horizon before shipment.

Damage Limits

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE PRODUCT, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability.

If you as the Purchaser or user are not prepared to accept the liability associated with the use of this Product, you are advised to return this Product immediately in new and unused condition to the place of purchase.

Law: These Terms are governed by Illinois law (without regard to conflict of law principles).

Safety Precautions

This is a sophisticated hobby Product and not a toy. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the Product or other property. This Product is not intended for use by children without direct adult supervision. The Product manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or injury.

Questions, Assistance, and Repairs:

Your local hobby store and/or place of purchase cannot provide warranty support or repair. Once assembly, setup or use of the Product has been started, you must contact Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please direct your email to productsupport@horizonhobby.com, or call 877.504.0233 toll free to speak to a service technician.

Inspection or Repairs

If this Product needs to be inspected or repaired, please call for a Return Merchandise Authorization (RMA). Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. A Service Repair Request is available at www.horizonhobby.com on the "Support" tab. If you do not have internet access, please include a letter with your complete name, street address, email address and phone number where you can be reached during business days, your RMA number, a list of the included items, method of payment for any non-warranty expenses and a brief summary of the problem. Your original sales receipt must also be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

Warranty Inspection and Repairs

To receive warranty service, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be repaired or replaced free of charge. Repair or replacement decisions are at the sole discretion of Horizon Hobby.

Non-Warranty Repairs

Should your repair not be covered by warranty the repair will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for repair you are agreeing to payment of the repair without notification. Repair estimates are available upon request. You must include this request with your repair. Non-warranty repair estimates will be billed a minimum of 1 hour of labor. In addition you will be billed for return freight. Please

advise us of your preferred method of payment. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. If you choose to pay by credit card, please include your credit card number and expiration date. Any repair left unpaid or unclaimed after 90 days will be considered abandoned and will be disposed of accordingly. Please note: non-warranty repair is only available on electronics and model engines.

United States

Products requiring inspection or repair should be shipped to the following address (freight prepaid):

Horizon Service Center
4105 Fieldstone Road
Champaign, Illinois 61822

United Kingdom

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Hobby UK
Units 1-4 Ployters Rd
Staple Tye
Harlow, Essex
CM18 7NS
United Kingdom

Please call +44 (0) 1279 641 097 or sales@horizonhobby.co.uk with any questions or concerns regarding this product or warranty.

Germany

Electronics and engines requiring inspection or repair should be shipped to the following address:

Horizon Technischer Service
Hamburger Strasse 10
25335 Elmshorn
Germany

Please call +49 4121 46199 66 or service@horizonhobby.de with any questions or concerns regarding this product or warranty.

Instructions for Disposal of WEEE by Users in the European Union



This product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the

CE time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.

Declaration of Conformity

(in accordance with ISO/IEC 17050-1)

No. HH20090311

Product(s): Celctra LiPo Charger

Item Number(s): EFLC1004

Equipment class: 1

The objects of declaration described above are in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE directive 1999/5/EC:

EN 60950 Safety

Signed for and on behalf of:
Horizon Hobby, Inc.
Champaign, IL USA
Mar 11, 2009

Steven A. Hall
Vice President
International Operations and Risk Management
Horizon Hobby, Inc