

Losi (LOSB9810) 2400mAh 11.1V LiPo Transmitter Battery for JR Z1, KoPropo Helios, and Other Radios of Similar Battery Configuration

User Manual

Safety Precautions:

1. Read all safety precautions prior to use.
2. Always check and ensure polarity during installation or re-installation of battery into your transmitter.
3. Charge **ONLY** as a 3-cell (11.1V) lithium battery (LiPo) or may cause fire.
4. Re-charge transmitter battery when transmitter is at 11.1V.

Note: Do not allow battery to drop below 9.6V

5. This battery has protection circuitry that monitors the status of each cell to ensure safe charging. Charge only with a LOSB9603, LOSB9605 or Dynamite DYN4058 LiPo charger. Cell balance is maintained only when used with a balancing charger such as LOSB9605.
6. **Do not use the internal radio charge circuit or connection; remove the battery for charging and follow charging instructions.**

Charging the LOSB9810 Transmitter Battery:

1. Read all safety precautions prior to charging.
2. There are two different connectors (see picture below).



- a. White connector is used for Balance Charge the 3-cell LiPo battery.
 - b. The Red (darker above) is the Primary Charge/Discharge connector.
3. Set your LiPo charger to the 3-cell position for 11.1V, and no more than 2.4A for the charge rate. Do not charge at more than 1C charge rate (2.4A for LOSB9810 which is 2400mAh for the battery). Exceeding this may cause the product to ignite.

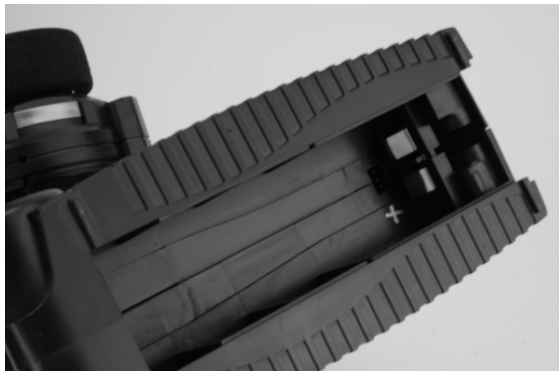
4. Connect the RED plug with your charger.
5. If you're using the LOSB9605 balance charger, you should also connect the balance plug to the charger.
6. Do not leave the battery unattended while charging.
7. With your LiPo transmitter battery pack properly charged, you are ready for installation.

Installation of LOSB9810:

1. Using your radio manufacturer's instructions, remove your current transmitter battery.
2. Examine and note the polarity of the Transmitter Power Connector (refer to the manufacturer's manual).
3. Looking at the transmitter battery, notice that the RED wire is the Positive lead and the BLACK wire is the Negative lead on the connector.

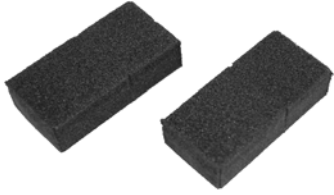
Please see picture below of a JR Z1 (KoPropo Helios) transmitter.

With the LOSB9810 transmitter battery in hand, plug the battery connector into the transmitter connector.



Note: The connector Pin is nearest the marked plus (+) sign and is positive; the center Pin is Negative (-). You may want to mark your transmitter as shown for easy reference when removing and installing the battery.

4. Please note that you may want to insert a piece of soft foam material on either side or at the end of the battery to prevent the battery from moving around in the transmitter.



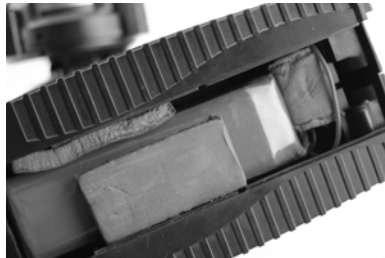
Use some soft foam such as
Losi "Foam Battery Pads"
Part Number – LOSA4015



Radio with Battery



Use a hobby knife to
cut the battery foam
- One piece in half
- Cut only the
end off the second



Looking at the above picture, there is one piece on the side of the battery, the large end is put at the end of the battery, and the last piece is placed on top of the battery and will be between the cover and battery.

5. Your LOSB9810 LiPo transmitter battery pack is installed and ready for use.

Specifications:

- Output Voltage: 11.1V 3-cell LiPo
- Capacity: 2400mAh
- Output Connector: 3-pin J-type (Male)
- Balance Connector: 4-pin

Warranty Information:

Warranty Period:

Exclusive Warranty- Horizon Hobby, Inc., (Horizon) warrants that the Products purchased (the "Product") will be free from defects in materials and workmanship at the date of purchase by the Purchaser.

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 principals).

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 ½ 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.**

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

**Horizon Service Center
4105 Fieldstone Road
Champaign, Illinois 61822**

All other Products requiring warranty inspection or repair should be shipped to the following address:

**Horizon Product Support
4105 Fieldstone Road
Champaign, Illinois 61822**

Please call 877-504-0233 with any questions or concerns regarding this product or warranty.

Losi Li-Po Battery Pack 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**. Losi, 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 25% or more charge 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.

CAUTION: This product may ignite under certain conditions. Please read all safety precautions before use.

Please call 877-504-0233 with any questions or concerns regarding this product or warranty.

Usage Guidelines, Warnings and Safety Precautions

- **Li-Po batteries may explode if damaged or if disposed of improperly.**
- **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 Disposal Instructions).
- **Use specific Lithium Polymer charger only. Do not use a Ni-Cd or Ni-MH charger** – failure to do so may cause a fire, which may result in personal injury and/or property damage.
- **Never** charge around or in the area of any flammable or combustible materials.
- **Always** charge Li-Po batteries in or on fire resistant materials or containers.
- **Never** leave 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 at least 15 minutes.
- If at any time you see a battery starting to balloon or swell up, discontinue charging or using immediately.
- **Lithium batteries can still ignite after at least 45 minutes** due to a delayed chemical reaction. If battery is damaged or overheats, observe the battery in a safe area outside of any building or vehicle and away from combustible material.
- **Do not allow children to charge Li-Po battery packs.**
- **Do not allow children to use Li-Po batteries without adult supervision.**
- **Shorting the wire leads can cause fire.** If you accidentally short the wires, the battery must be placed in a safe area for observation for at least 15 minutes.
- Never store or charge a battery pack where the temperature will go below 32 degrees Fahrenheit or above 130 degrees Fahrenheit. Extreme temperatures will damage the battery pack and may cause a fire. Battery performance may be diminished by less extreme temperatures.
- Any of the following may cause the battery to be damaged resulting in battery swelling, leaking, or fire:
 - Bending, Folding or Dropping of battery
 - Damaging the edge seal of the battery
 - Taking apart the battery
 - Mixing cells of differing chemistry, or types, or sizes
 - Mixing cells of different ages

Crash Damage

If there are signs of smoke or overheating, **DO NOT** go near the battery or equipment until it has been observed from a safe distance for at least 15 minutes. Once it is safe, remove the battery and check for damage. Dispose of damaged batteries appropriately.

Swollen Batteries

Immediately stop using or charging. If the battery is not warm to the touch, move it to an open safe area and observe it for at least 15 minutes. Be **VERY CAREFUL** when moving the batteries. Do **NOT** put **ANY** pressure on the batteries or covering as this may cause fire.

Additional Information & Guidelines

1. Battery temperature the best indicator for safety. The Losi Li-Po Battery's temperature should never drop below 32 degrees Fahrenheit or go above 130 degrees Fahrenheit while charging or discharging.
2. Changing plugs is **NOT** recommended as the process is dangerous and any error can cause immediate fire. Improperly installed plugs can also cause fire due to shorts, reverse polarity or other improper handling which can cause battery damage.
3. Batteries should be stored in a vented, fire resistant container. Each pack should be stored in its own locked plastic bag within the container. The number of battery packs per container should be extremely limited to avoid chain reactions. Storage temperatures should not fall below 32 degrees F or above 130 degrees F.

Damaged batteries must be kept at even more ambient temperatures. High temperatures may cause fire even with undamaged batteries.

Battery Disposal

Li-Po batteries require special handling for safe disposal. The following are basic instructions for safe disposal. For more detailed safety, disposal and recycling information please go to: www.rbr.org or www.earth911.org.

Basic Disposal Instructions

Before discarding any Li-Po battery it must be rendered safe. The following steps must be taken to avoid damage or injury to yourself, your property and anyone who comes in contact with the battery.

If the battery is undamaged but no longer useful:

1. Discharge the battery to a maximum of 2.5V using a slow, safe discharge method.
2. Leave battery uncharged and retest after at least 24 hours. Many batteries experience "rebound" and may have more than 2.5V after 24 hours. If the battery is over 2.5V, repeat the procedure until the battery is 2.5V or less.
3. Insulate each wire lead with electrical tape or other appropriate material.
4. Assure that wire leads cannot touch each other by taping them to opposite sides of the battery.
5. Place battery in a sealed plastic bag and place plastic bag in a vented, fire-safe container.
6. Use fire-safe container to deliver battery to a recycling center authorized for Lithium Polymer batteries. Please note that not all battery-recycling services include Li-Po's. If no Li-Po recycling facility is available in your area, contact your state or local Hazmat agencies for instructions.
7. If the battery or wiring is damaged please contact your state or local Hazmat facilities for instructions. Batteries must be rendered safe before being transported or recycled. Do NOT transport or ship batteries which have more than 2.5V charge OR that show signs of damage without following the instructions given by authorities. Damaged batteries should be rendered as safe as possible and stored in a vented fireproof container until recycled.