

Getting Started

NOTE: Before you start running your new Mini-LST2, it is absolutely necessary that you read through all of the operating instructions to prevent unnecessary damage and get the maximum enjoyment from your vehicle.

Step 1



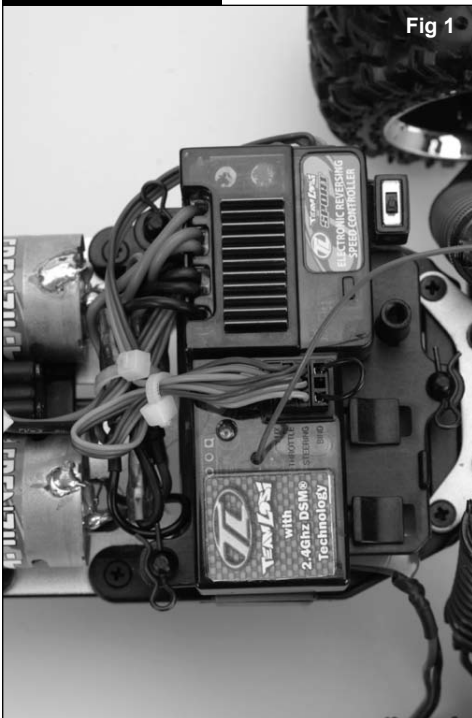
Plug the AC charger into the proper wall receptacle (110V). Plug the battery pack into the charger and let it charge for 3 hours for the first time. After running, or when the Mini-LST2 slows noticeably, recharge the battery pack for 5–6 hours for a full charge.

Step 2



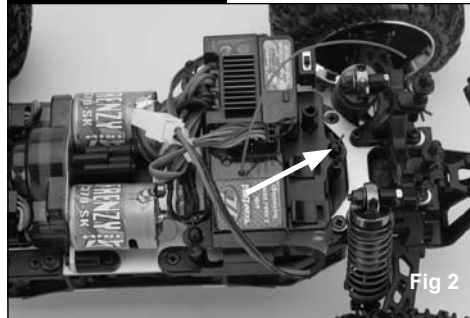
Remove the transmitter battery cover by sliding the cover from left to right. Install four (4) AA batteries into the battery holder. Pay close attention to the correct direction of the positive (+) and negative (-) ends as marked in the tray. Once all four batteries have been installed, reinstall the battery cover by sliding it on from right to left.

Step 3



The DSM® receiver has a short antenna that can be positioned underneath the body as shown in Fig. 1

Step 4



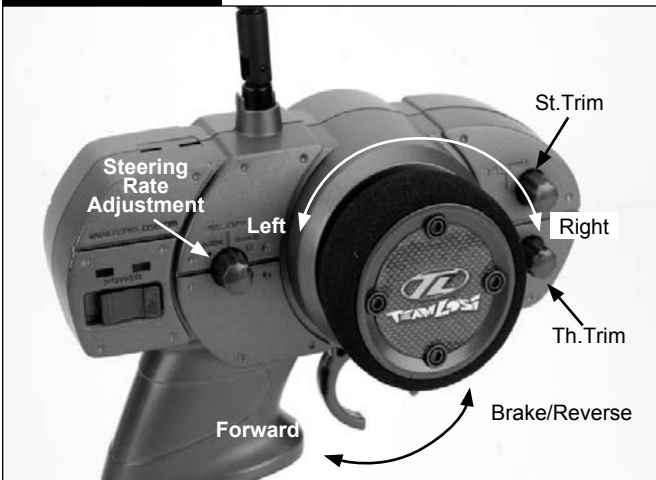
Once the battery is charged, remove the body clip from the front of the battery tray (fig. 2) and lift up the front of the tray (fig. 3). Install the battery pack as shown (fig. 4), reinstall the body clip and plug the battery pack into the ESC.

Step 5



Always turn on the transmitter first by sliding the switch on the left side of the wheel from left to right. The small red and green lights above the switch should both light up. If not, you need to check for low or incorrectly installed batteries.

Step 7



Once the transmitter has been turned on, turn on the Mini-LST2 by sliding the switch on the speed controller to the "ON" position. If the rear wheels turn, adjust the "TH. Trim" knob located to the lower right of the steering wheel until they stop. To go forward, pull the trigger back. If you should need reverse, wait for the model to stop then push the trigger forward. When going forward the model should move in a straight line. If not, adjust the "ST. TRIM" so that it tracks in a straight line without having to turn the steering wheel. After you are finished, turn the Mini-LST2 off **FIRST** by sliding the switch to the "OFF" position. After the model has been turned off, turn off the transmitter. If you wish to clean your Mini-LST2, use compressed air and/or a soft paintbrush to remove dust and dirt. **NEVER** use chemicals or anything wet as it can cause damage to both electronics and plastic parts.

ALWAYS

- Turn on the transmitter before the vehicle
- Use caution when running your vehicle near people
- Turn both the Mini-LST2 and transmitter "off" when done
- Check the battery condition of the transmitter before running

Step 6



Re-Binding the Transmitter to the Receiver

The Losi® DSM® radio system included in the Mini-LST2 operates on 2.4 GHz, and provides 79 different channels which are automatically selected when the transmitter and vehicle are turned on. The communication between the transmitter and receiver begins in the few seconds after the transmitter and vehicle are both turned on. This is called the "binding process." The Losi DSM radio system will not interfere with previous technology radio systems that operate on 27 MHz or 75 MHz frequencies and you will not receive any interference from them.

Although set at the factory, below are the steps required to re-bind your transmitter to the receiver should the need arise. During the bind process, there is a unique ID from the transmitter communicated to the receiver to ensure trouble-free radio operation.

Steps to Re-Bind

1. Ensure that the transmitter and vehicle are both turned off.
2. Using the supplied Bind plug (which looks like a standard receiver plug with a wire loop installed) insert or plug into the receiver slot labeled "BIND". Looking down on the receiver this slot would be below the LED and is the furthest from the LED, or nearest to the corner of the receiver.
Note: You do not need to remove any of the other plugs to re-bind.
3. With the Bind plug installed, turn on the vehicle. Notice a blinking Orange LED within the receiver.
4. Now you are ready to turn on the transmitter. You should notice on the back of the transmitter a similar blinking Orange LED under the translucent cover.
5. Both the receiver and transmitter blinking Orange LED will stop blinking and become solid indicating they have "bound" themselves together.
6. Please turn off both the vehicle and transmitter to remove the Bind plug from the receiver. Failing to remove the Bind plug will cause the transmitter to attempt to re-bind every time you turn on the vehicle and transmitter.
7. Turn on both the vehicle and transmitter to ensure operation. If the transmitter does not control the vehicle, please repeat steps 1–6. Should this not correct the problem please call Horizon Service/Repair for further assistance.
8. The Bind process is complete. Your vehicle's radio system should be ready for use.

NEVER

- Operate the Mini-LST2 with low battery power
- Run the Mini-LST2 through water or wet grass
- Use chemicals to clean the chassis
- Run the Mini-LST2 without a gear cover



Troubleshooting Guide

Doesn't operate	Battery not charged or plugged in Receiver switch not "ON" Transmitter not "ON" or low battery	Charge battery / plug-in Turn on receiver switch Turn on / replace batteries
Motors run but rear wheels don't move	Pinion not meshing with spur gear Pinion spinning on motor shaft Slipper too loose Transmission gears stripped Drive pin in axle missing	Adjust pinion/spur mesh Replace pinion gear on motor Check & adjust slipper Replace transmission gears Check & replace
Steering doesn't work	Servo plug not in receiver Servo gears or motor damaged	Check if plug in / all the way Replace or repair servo
Won't turn one direction	Servo gears damaged	Replace servo gears
Motors don't run	Motor plugs loose Motor wire broken ESC damaged	Plug in completely Repair or replace as needed Call Electronics Tech
ESC gets hot	Motors over-gear Driveline bound up	Put smaller pinion on motor Check wheels & trans for binds
Poor run time and/or sluggish acceleration	Ni-MH pack not fully charged Charger not allowing full charge Slipper slipping too much Motors worn out Driveline bound up	Recharge Try another charger Check/adjust slipper Replace motors Check wheels & trans for binds
Poor range/glitches	Transmitter batteries low Transmitter antenna damaged Battery low in truck Loose plugs or wires	Check & replace as necessary Check & tighten Replace or recharge Check motor and power plugs
Slipper won't adjust	Drive pin missing in shaft Spur gear face worn out	Replace drive pin Replace spur gear & adjust slipper

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 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.

