

JR DSM VR6015 VOLTAGE REGULATOR INSTRUCTION MANUAL

**Thank you for purchasing
the JR VR6015.**

Please read manual carefully
for safe operation.

1 HANDLING CARE

WARNING For use with 2.4GHz radio systems only.

When Setting Up

- This product is exclusively designed for use with radio-controlled hobby products. Using it for any other applications may lead to an unexpected problem, which could cause an accident.
- This product is designed to work properly with JR products. Using other brands may lead to an unexpected problem, resulting in an accident.
- Do not disassemble or modify this product. This may lead to an unexpected problem.

When Operating

- Check the voltage of battery packs prior to operation. Low voltage may result in loss of control which could cause an accident.
- Do not fly in the rain, fog or in any environment that could cause dew condensation. Ignoring this may cause a problem, which could cause an accident.

Maintenance

- If a foreign substance or water enters this product, stop using it immediately. It may cause damage that could result in an accident.
- If this product is dropped and suffers shock, an after effect may develop that could lead to a problem or an accident.
- Do not leave this product in a place exposed to extreme high/low temperatures or high humidity. Performance may deteriorate, which could result in an accident.
- Check the airframe/car body prior to use. Its failure may result in a serious accident.

2 FEATURES

- Compatible for use with 2S Li-Po or Li-Fe type batteries to provide 6V of power to the receiver.
- A more-efficient voltage conversion (maximum 95%) compared to a typical Dropper System regulator.
- A DC/DC Switch Mode System to increase operability and reliability.
- Highly efficient heat dissipation
- A compact-sized Switching System voltage regulator.
- An EC3™ input connector with dual JR plug output leads.

3 SPECIFICATIONS

Recommended Input Voltage:	6.0V to 8.5V *Lithium polymer battery 2-cell
Output Voltage:	6.0V
Size (mm):	11.8(H) x 30.2(W) x 52.0(L)
Weight:	50 g
Max output current:	15.0A
Instantaneous max output current:	25.0A
Others:	Soft Switch system for exclusive use with 2.4GHz receivers

This product is exclusively designed for use with radio controlled hobby products.

CAUTION The voltage regulator may become hot while in use, which could lead to burns

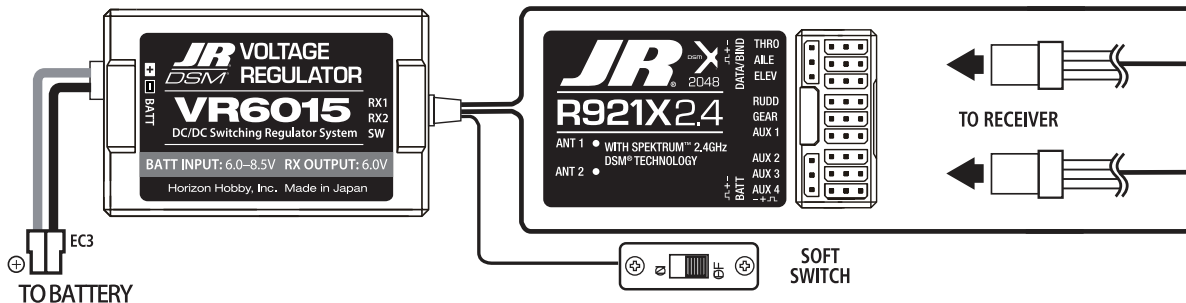
4 INSTALLATION

An E-flite® EC3™ device connector is used on the battery input side. Make sure the VR6015 soft switch is turned off when installing. Observing correct polarity, ensure the EC3 connector is fully inserted into your receiver battery. Plug both (2) connectors of the regulator to the Battery Inputs of the receiver (or to an unused channel). If you normally use a receiver switch harness, please unplug and remove it. The power to the receiver is turned on/off with the regulator's soft switch.

Do not extend the lead harness between the regulator and the receiver. This may cause a reduction in performance. Try to control vibrations that may reach the regulator.

CAUTION The VR6015 uses a soft switch system. Always unplug the regulator from the battery after use to prevent a slow discharge that may over discharge your Li-Po battery.

CAUTION To prevent reverse polarity, the connectors are shaped to fit only one way. Do not force plugs.



LIMITED WARRANTY

What this Warranty Covers

Horizon Hobby, Inc., (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship for a period of 3 years from the date of purchase.

What is Not Covered

This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, or (v) Products not purchased from an authorized Horizon dealer.

OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

Purchaser's Remedy

Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 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 the Product, purchaser is advised to return the 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). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

WARRANTY SERVICES

Questions, Assistance, and Services

Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or 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 Product Support representative. You may also find information on our website at www.horizonhobby.com.

Inspection or Services

If this Product needs to be inspected or serviced, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. 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. An Online Service Request is available at <http://www.horizonhobby.com> under the Support tab. If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

Notice: Do not ship LiPo batteries to Horizon. If you have any issue with a LiPo battery, please contact the appropriate Horizon Product Support office.

Warranty Requirements

For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

Non-Warranty Service

Should your service not be covered by warranty service 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 service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashiers checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's Terms and Conditions found on our website <http://www.horizonhobby.com/Service/Request/>.



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