

**EN**

## SUPPORT

At ARRMA we want you to love running your kit and make owning a high performance RC car as simple as possible. If you have any questions about running, maintaining, tuning or repairing your ARRMA product there are two options for you to use to get help and advice. Visit [ARRMA-RC.com](http://ARRMA-RC.com) for support, parts and upgrades for your kit. If you can't find what you're looking for then you can always email us at [supportUSA@ARRMA-RC](mailto:supportUSA@ARRMA-RC) (USA) or [support@ARRMA-RC](mailto:support@ARRMA-RC) (ROW) 24hrs a day and we will do our best to help you with your query.

**DE**

## HILFESTELLUNG

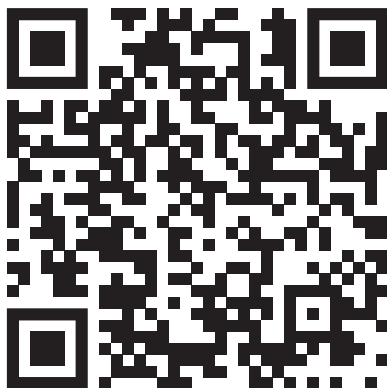
Bei ARRMA möchten wir, dass Sie lange Freude an Ihrem High-Performance-RC-Modell haben. Sollten Sie Fragen zu Betrieb, Wartung, Tuning oder Reparatur haben, dann bieten wir eine Fülle von Möglichkeiten. Gehen Sie auf [arrma-rc.com](http://arrma-rc.com), um mehr über Hilfestellung, Teile oder Tuningteile zu erfahren. Sollten Sie einmal keine Antworten finden, dann kontaktieren Sie uns über [supportUSA@ARRMA-RC](mailto:supportUSA@ARRMA-RC) (USA) oder [support@arrma-rc.com](mailto:support@arrma-rc.com) (ROW) und wir werden alles tun, um Ihnen helfen zu können.

**FR**

## SUPPORT

Chez ARRMA notre volonté est que vous appréciiez faire évoluer votre voiture et vous faire posséder une modèle RC de haute performance aussi simple que possible. Si vous avez des questions concernant le fonctionnement, la maintenance, le réglage ou la réparation de votre produit ARRMA, il y a trois possibilité que vous pouvez utiliser pour obtenir l'aide et des conseils. Visitez [ARRMA-RC.com](http://ARRMA-RC.com) pour la prise en charge, des pièces et des mises à niveau de votre kit. Si vous ne trouvez pas ce que vous recherchez, vous pouvez toujours nous contacter par courriel à [supportUSA@ARRMA-RC](mailto:supportUSA@ARRMA-RC) (USA) ou [support@arrma-rc.com](mailto:support@arrma-rc.com) (ROW) 24h par jour et nous ferons de notre mieux pour vous aider dansvotre requête.

# SUPPORT



**EN**

## CONTENTS

Quick Start Guide	13
How to Drive	16
2-in-1 Electronic Speed Control and Receiver Unit	19
Radio Gear	20
Troubleshooting	23
Warranty Information	50

**DE**

## INHALT

Schnellstartanleitung	25
Wie man fährt	28
2-in-1 ESC und Empfängereinheit	31
Fernsteuer	32
Fehlerbehebung	35
Garantieinformationen	52

**FR**

## CONTENU

Guide de Démarrage Rapide	37
Comment conduire	40
ESC et récepteur 2 en 1	43
Ensemble radio	44
Dépannage	47
Informations de garantie	54

**EN**

## COMPONENTS

**DE**

## KOMPONENTEN

**FR**

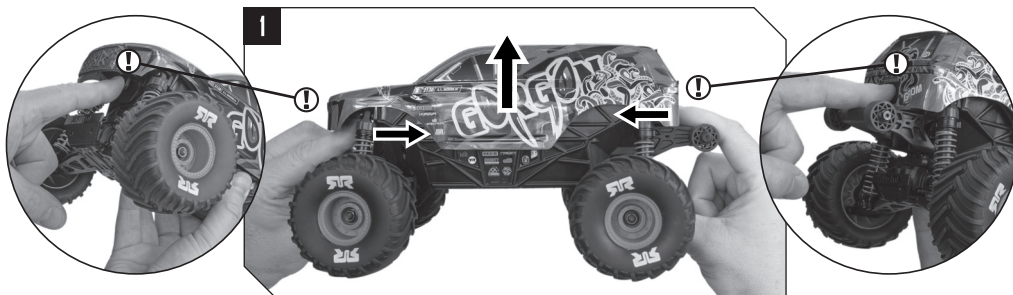
## CONTENU DE LA BOÎTE

- ▶ ARRMA GORGON GROM™ 4wd 380 Mega (ARA2130T1 | ARA2130T2 | ARA2130T3)
- ▶ Spektrum® 2.4GHz Transmitter (SLT2) (SPMRSLT270)
- ▶ Spektrum SLT 2-in-1 25A Electronic Speed Control and Receiver Unit (SPMXSE2625RX)
- ▶ ARRMA Mega 380 28T BRUSHED MOTOR (ARA390305)
- ▶ Spektrum® Metal Gear Servo, 20T (SPMSSX110)
- ▶ Spektrum® Mini USB-C 2S Battery Charger with USB C to USB C Cable (SPMXC0040)
- ▶ Spektrum® 1400mAh 2S 30C 7.4V Smart LiPo Battery; IC2 (SPMX142S30H2)
- ▶ 4 x AA Dry Cell Batteries for Transmitter

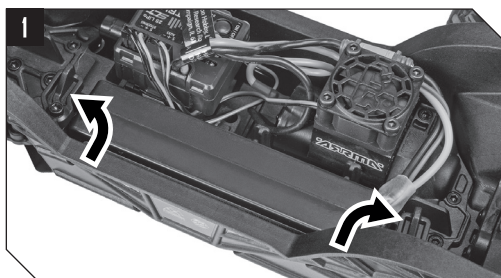


# QUICK START GUIDE

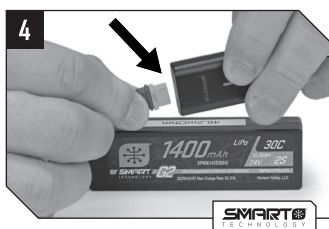
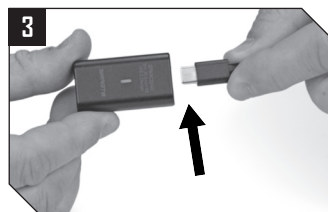
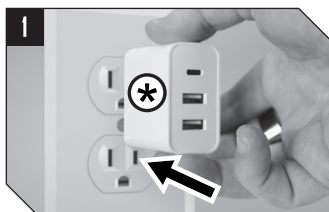
## REMOVE BODY (CLIPLESS)



## REMOVE CAR BATTERIES



## CHARGE CAR BATTERIES



**\*Not supplied.**  
Compatible USB C Power Adaptor with QC 2.0/3.0, 5V/2A, USB Quick Charge (QC) 2.0/3.0

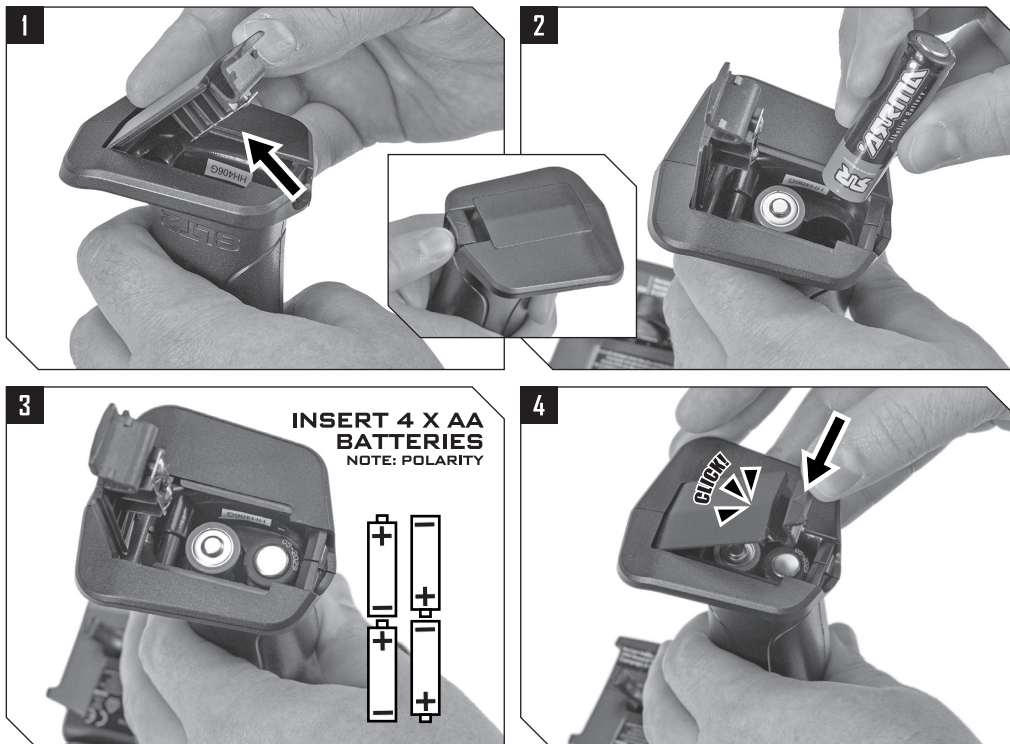
We recommend that you use a **20W+ USB C Power Adaptor with QC 2.0/3.0** for the quickest charge time of under 1.5 hours. Using a typical mobile phone USB C Power Adaptor (5V/1A, 5V/2A) will produce longer charge times.

### LED CHARGER CODES

LED Behaviour	Explanation
Solid RED	Charging Error - check connection
Flashing Red/Green	Ready to Charge
Flashing Green	Charging
Solid Green	Charge Complete

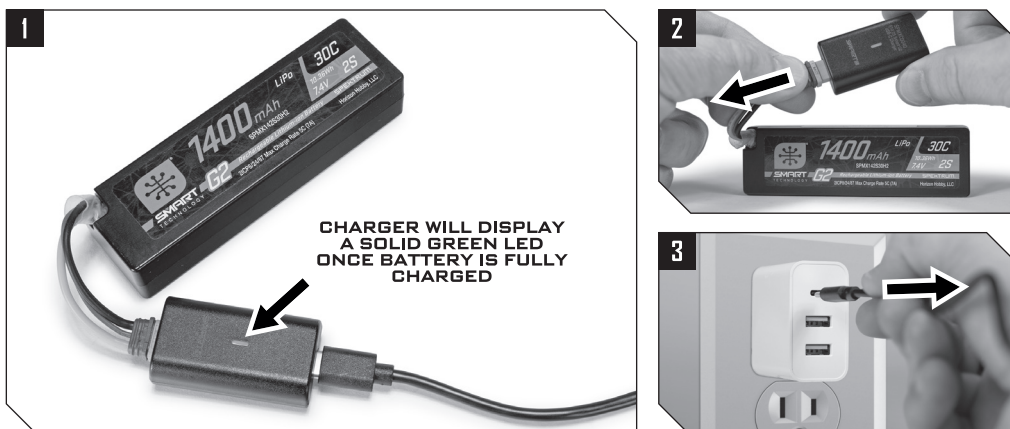
**CAUTION:** Do not use USB ports on computers/laptops. Only use USB Power Adaptors from mains power sockets.

## INSTALL AA BATTERIES IN CONTROLLER



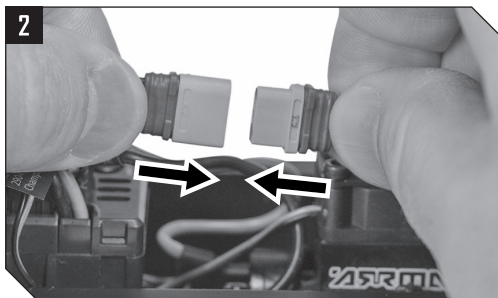
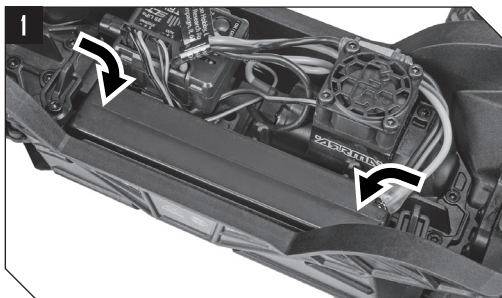
**CAUTION:** Only charge rechargeable batteries. Charging non-rechargeable batteries may cause the batteries to burst, resulting in injury to persons and/or damage to property. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to national regulations.

## FULLY CHARGED BATTERIES

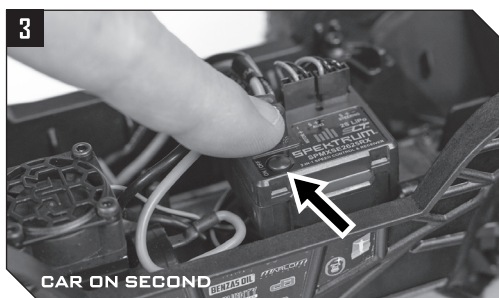
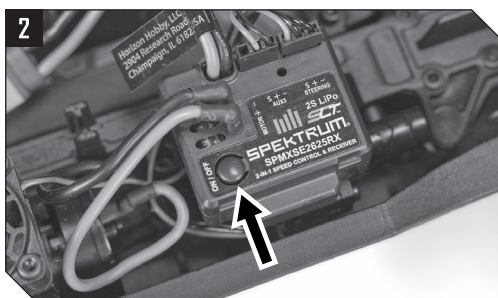




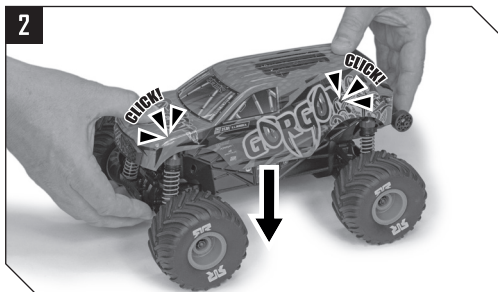
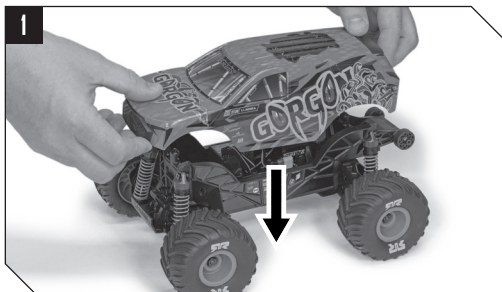
## INSTALL CHARGED BATTERY IN CAR



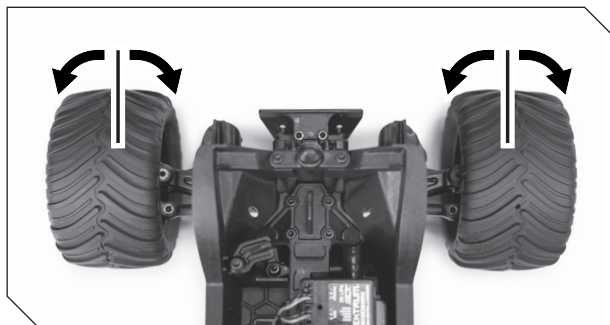
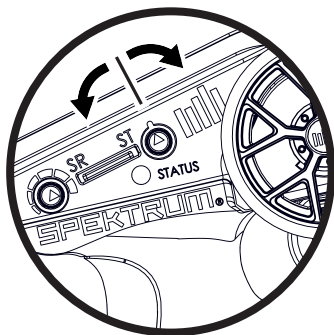
## POWER ON CONTROLLER & CAR



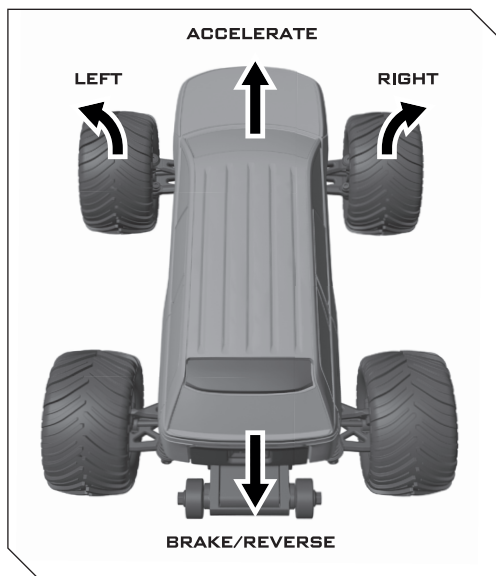
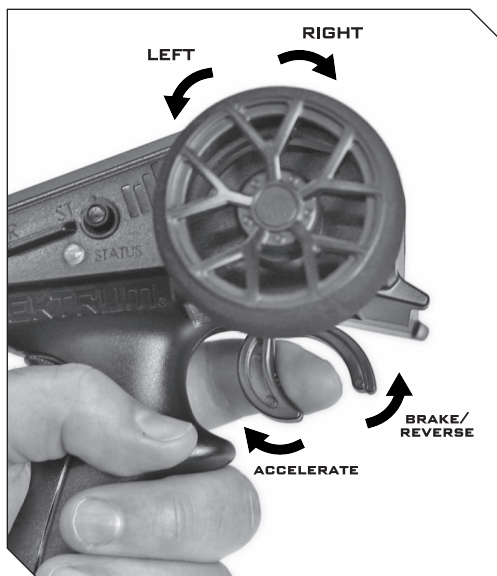
## INSTALL BODY (CLIPLESS)



## STEERING NEUTRAL



## HOW TO DRIVE

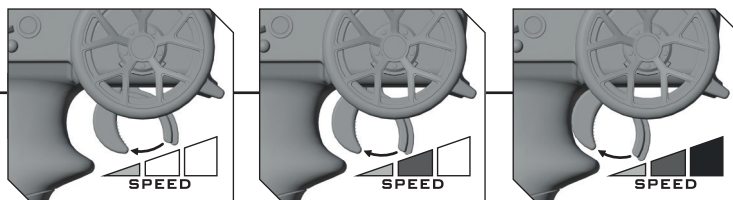


### HOW TO HOLD

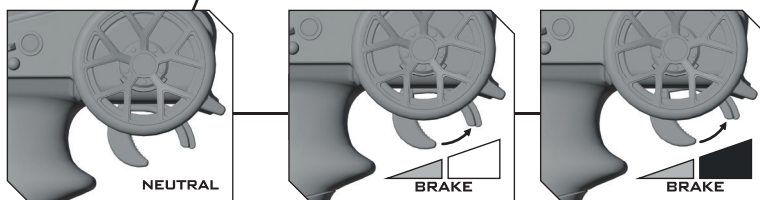


## THROTTLE CONTROL

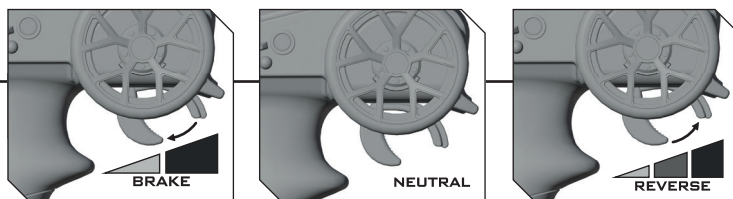
### FORWARD



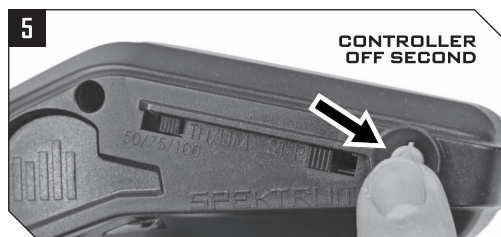
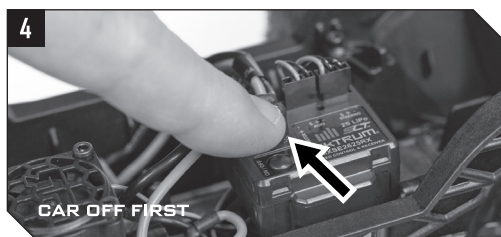
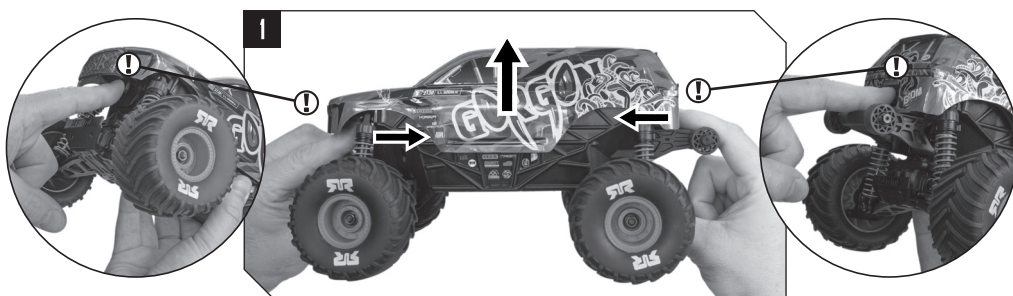
### BRAKE



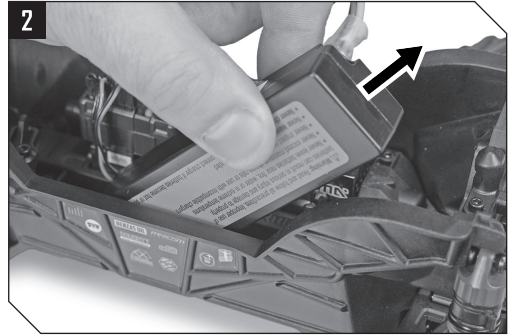
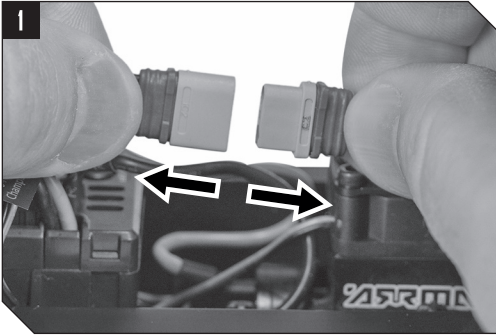
### REVERSE



## POWER OFF



## STORAGE



## ALL SAFE... UNTIL NEXT TIME!

## REGULAR MAINTENANCE

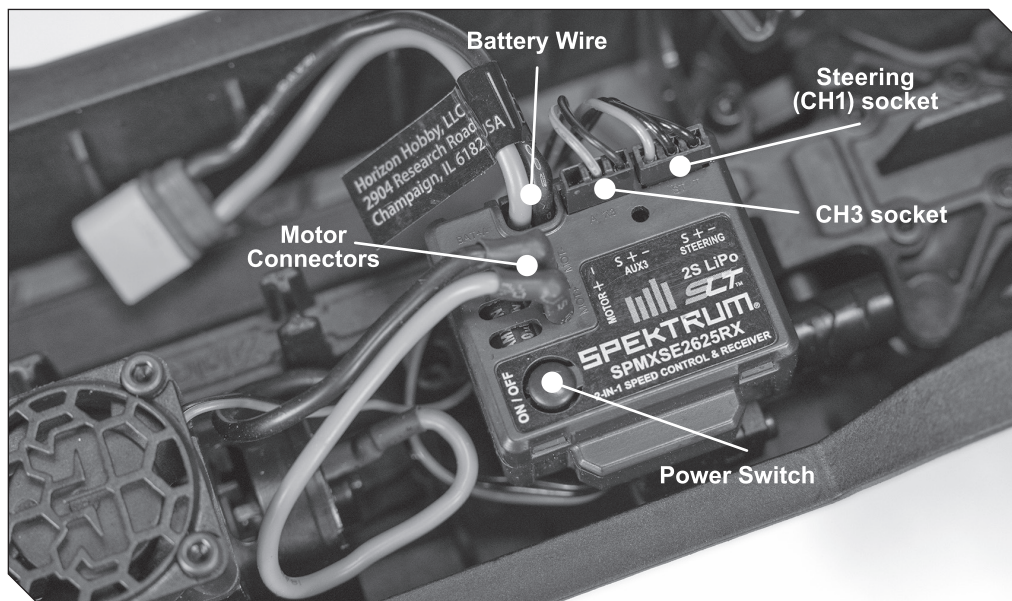
**Due to the Speed and Performance of your ARRMA vehicle we recommend following the maintenance guide below:**

- After every few runs check the gluing of the tire to the wheel, clean and re-glue where required.
- Frequently check the whole vehicle for loose or missing screws and fittings. Use thread lock on any replacement screws that fix into metal parts or threads.
- Remove the wheels occasionally and check behind the wheel mounting hex for debris that might have been wrapped around the axles and is causing extra drag.
- Frequently check rotating parts are free from any obstructions such as stones or grass that might restrict their rotation which can lead to the over stress of the motor or speed controller.
- After 10-15 runs remove the motor from the vehicle, Re-oil the motor shaft bushes with some bush / lightweight oil, a couple of drops on both bushes will aid the speed and longevity of your motor.
- The vehicles shock absorbers will wear quicker if used in dirty dusty conditions. Replace oil and seals as required to keep good shock damping to maintain the performance and handling of your vehicle.

**A well maintained vehicle will keep the strength and reliability expected from your ARRMA vehicle.**

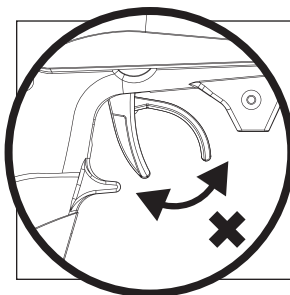


## 2-IN-1 ESC AND RECEIVER UNIT



## ESC SPECIFICATIONS

Input Voltage	2S LiPo (7.4v)	BEC Output	6.0v/3A Max
---------------	----------------	------------	-------------



### THROTTLE SETUP

Do not move the throttle when switching the model on as the ESC will automatically set the throttle neutral.



### TEMPERATURE PROTECTION

If the ESC temperature exceeds 110 degrees Celsius, the ESC will enter temperature protection mode and the LED will blink. Once the ESC has cooled down it will resume normal operation.

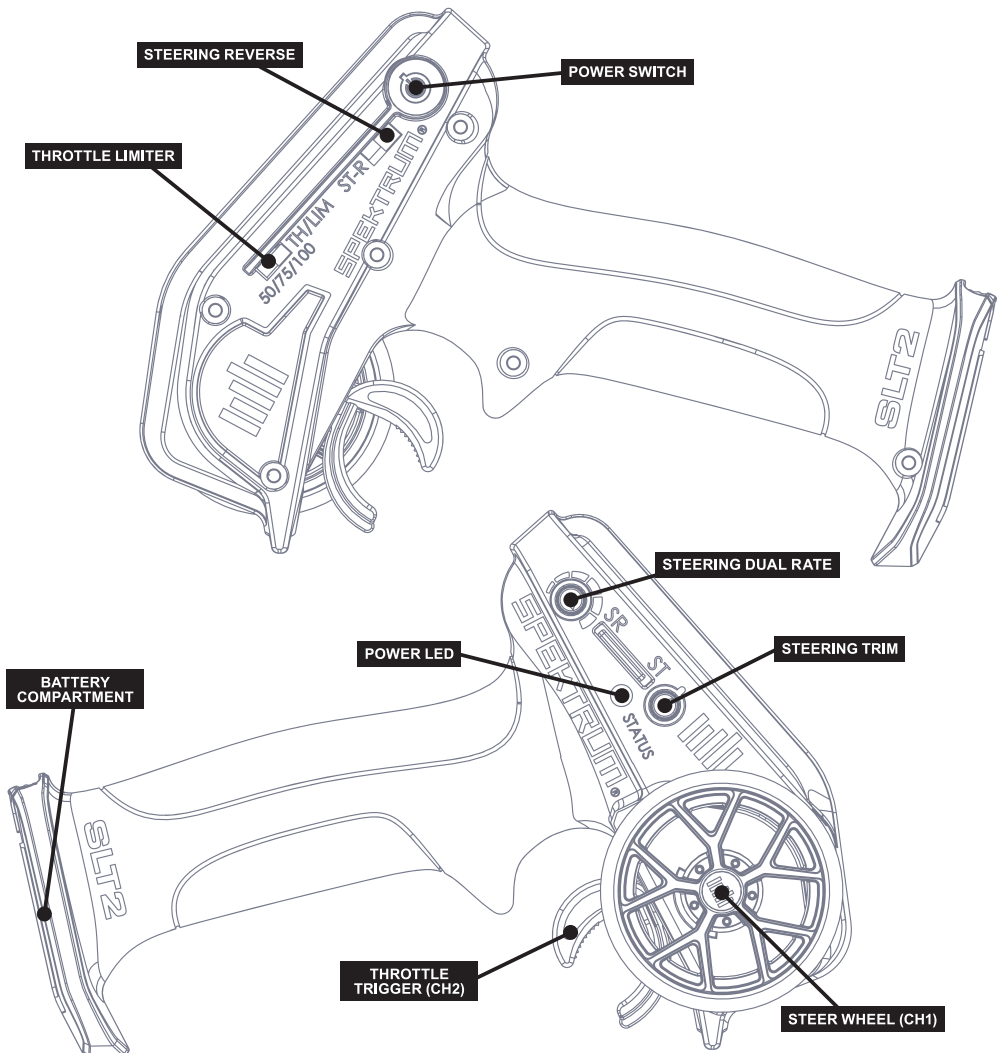
## TROUBLESHOOTING GUIDE

Problem and LED Indicator	Error Mode	Possible Causes	Solution
Motor won't operate. LED flashes slowly short single pulses.	LVC (low voltage cutoff) has been activated.	Battery voltage is below the LVC (low voltage cutoff) setting.	Verify the battery is charged.
Motor won't operate. LED flashes quickly with short single pulses.	The ESC is in thermal shutoff mode.	The ESC is taking too much load.	Turn off the ESC and allow it to cool before resuming operation. Consider making changes to gear ratio to reduce load to the ESC.

## RADIO GEAR

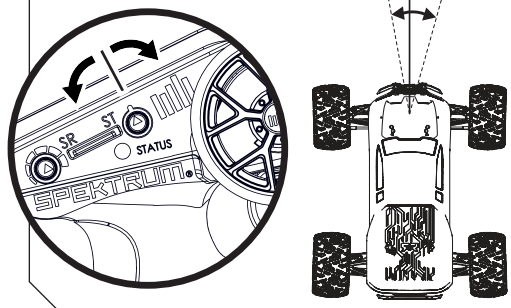
**SPEKTRUM®**

# SLT2 2CH 2.4GHZ DIGITAL RADIO SYSTEM

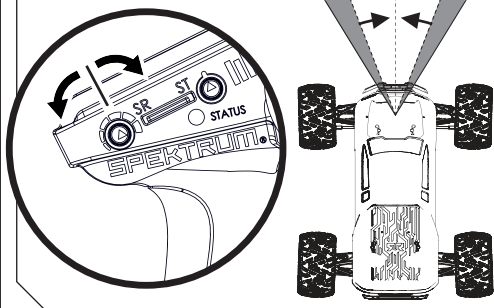




## STEERING TRIM

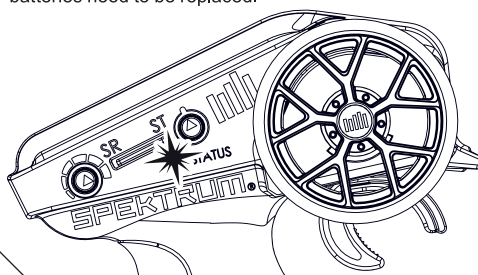


## STEERING RATE



## BATTERY STATUS

If battery status LED is flashing, the batteries need to be replaced.



## FACTORY DEFAULTS



S/R



50 / 75 / 100  
TH/LIM

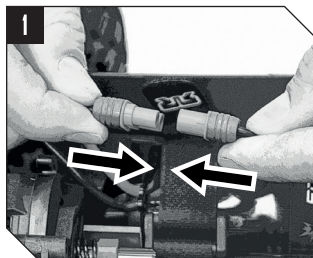


ST

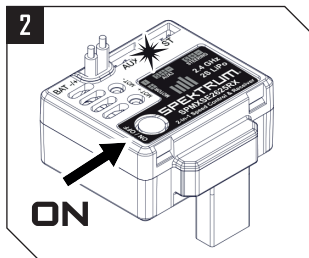


ST/R

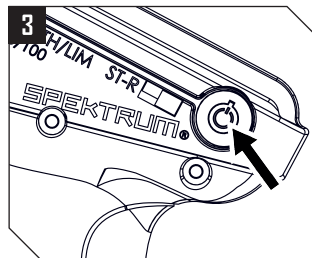
## BINDING



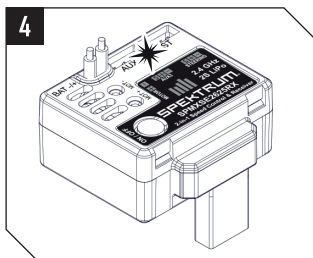
Connect a fully charged battery pack to the ESC.



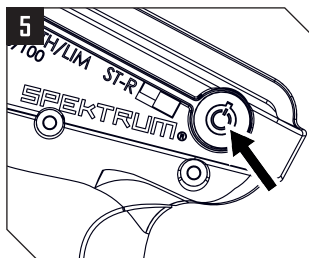
Power on the ESC and hold the power button for 3 seconds. LED will flash rapidly.



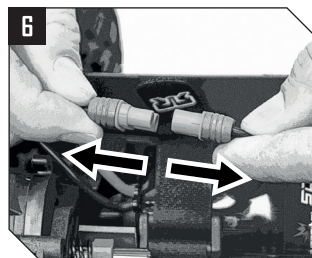
Power the transmitter on.



The ESC Status LED will stop flashing and remain solidly lit.



Power off the transmitter.



Disconnect the battery.

**FCC ID: BRWSPMSLT200F**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION:** THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:** Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

Horizon Hobby, LLC  
2904 Research Road,  
Champaign, IL 61822  
Email: [compliance@horizonhobby.com](mailto:compliance@horizonhobby.com)  
Web: [HorizonHobby.com](http://HorizonHobby.com)

**HORIZON**  
H O B B Y



**EU Manufacturer of Record:**  
Horizon Hobby, LLC  
2904 Research Road,  
Champaign, IL 61822

**EU Importer of Record:**  
Horizon Hobby, GmbH  
Hanskampring 9  
22885 Barsbüttel  
Germany

**UK  
CA**

**Hereby, Horizon Hobby, LLC declares that the device is in compliance with the following:** European Union Restriction of Hazardous Substances Recast (RoHS2) Directive 2011/65/EU; European Union Registration, Evaluation, Authorization and Restriction of Chemicals European Radio Equipment Directive (RED) 2014/53/EU Low Voltage Directive (LVD) 2014/35/EU, RoHS 3 Directive - Amending 2011/65/EU Annex II 2015/863, 2014/30/EU EMC Directive

This product contains batteries that are covered under the 2006/66/EC European Directive, which cannot be disposed of with normal household waste. Please follow local regulations. The full text of the EU declaration of conformity is available at the following internet address: <http://www.horizonhobby.com/content/support-render-compliance>.

**Wireless frequency range and wireless output power:****TRANSMITTER:**

**Frequency Band:** 2410-2480MHz

**Max EIRP:** 13.66 dBm

**Industry Canada Notice:** IC: 6157A-SPMSLT200F

CAN ICES-3 (B)/NMB-3(B)

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following 2 conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.



This appliance is labeled in accordance with European Directive 2012/19/EU concerning waste of electrical and electronic equipment (WEEE). This label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
<b>Vehicle does not move</b>	Batteries are incorrectly installed in transmitter	Check transmitter batteries and refit - see model/transmitter manual
	Weak, damaged or no drive battery in model	Install fresh, charged batteries
	Frayed or broken motor or ESC wires	Check condition, reconnect and insulate
	ESC has shut down due to overheating	Stop driving and allow ESC or motor to cool down
	Electric motor is damaged	Replace with new unit - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for advice and upgrades!
	Waterproof ESC is damaged	Replace with new unit - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for advice and upgrades!
	Possible damage to transmission/drive-line	Check components and replace - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for advice
	ESC low voltage cutoff has activated to protect batteries	Remove drive battery, leave to cool down if necessary, and re-charge
<b>Vehicle does not reverse</b>	Waterproof ESC is damaged	Replace with new unit - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for advice and upgrades
<b>Short runtime</b>	Battery damaged or not fully charged	Check condition, replace or recharge
	Electric motor dirty or damaged	Clean, check condition and/or replace - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for more information
<b>Sluggish performance</b>	Battery damaged or not fully charged	Check condition, replace or recharge
	Electric motor dirty or damaged	Clean, check condition and/or replace - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for more information
	Drivetrain dirty or damaged	Clean, check condition and/or replace - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for more information
<b>No control of vehicle or short range</b>	Transmitter batteries are weak or fitted incorrectly	Check transmitter batteries and refit - see page 14
	Servo wires to receiver loose or connected incorrectly	Reinstall signal wires to the 2-In-1 Unit
	Transmitter and receiver unit are not 'bound' correctly	Transmitter and receiver need to be bound - see page 21

PROBLEM	POSSIBLE CAUSE	SOLUTION
<b>Steering/ Throttle operation intermittent</b>	ESC has shut down due to overheating	Stop driving and allow ESC or motor to cool down
	Transmitter and receiver unit are not 'bound' correctly	Check for sources of interference and re-bind transmitter/receiver - page 21
<b>Vehicle wanders left/right without steering input</b>	Steering trim setting out	Adjust steering trim - see page 20
	Damaged steering components	Check components and replace - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for advice
	Drivetrain dirty or damaged	Clean, check condition and/or replace - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for more information
<b>Steering/ Throttle operation reversed</b>	Check that the wires from the ESC to the motor are connected correctly	Reconnect in the correct orientation (red to red and black to black) ensuring fit is tight; if not pinch female connector with pliers
<b>Limited steering angle</b>	Transmitter steering dual-rate set incorrectly	Adjust transmitter dual-rate - page 20
	Damaged steering components	Check components and replace - visit <a href="http://ARRMA-RC.com">ARRMA-RC.com</a> for advice
<b>S040 Charger does not charge battery</b>	USB Cable Damaged	Check and replace USB Cable if damaged or not working on known source.
	USB Power Adaptor input weak/damaged	Check specification and replace USB Power Adaptor - page 13
	SMART battery or charger damaged	Replace with new unit - visit <a href="http://spektrumrc.com">spektrumrc.com</a> for advice and upgrades





# WARRANTY INFORMATION

## **LIMITED WARRANTY**

### **What this Warranty Covers**

Horizon Hobby, LLC, (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 2 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, (v) Product not purchased from an authorized Horizon dealer, (vi) Product not compliant with applicable technical regulations, or (vii) use that violates any applicable laws, rules, or regulations.

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 visit our website at [www.horizonhobby.com](http://www.horizonhobby.com), submit a Product Support Inquiry, or call the toll free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.





### Inspection or Services

If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, 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/content/\\_service-center\\_render-service-center](http://www.horizonhobby.com/content/_service-center_render-service-center). 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

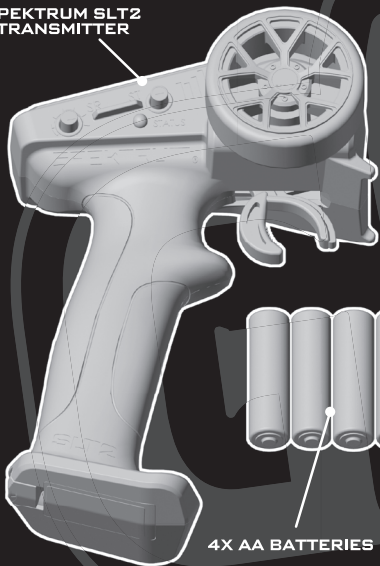
Should your service not be covered by warranty, service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. 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 cashier's 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/content/\\_service-center\\_render-service-center](http://www.horizonhobby.com/content/_service-center_render-service-center).

**ATTENTION: Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender's choice and at the sender's expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.**

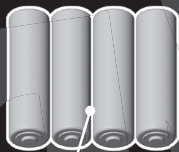


## WHAT'S INCLUDED?

SPEKTRUM SLT2  
TRANSMITTER



4X AA BATTERIES



### BASH TOOLS:

1.5mm Hex Key | 7mm Multi-Tool  
| 2.0mm Driver



7.4v 1400mAh 2S  
30C HARD CASE  
LiPo BATTERY  
(SPMX142S30H2)



S10 2S  
SMART G2  
USB CHARGER  
(SPMXC0040)



PRE-LOAD  
SPACERS



**SPEKTRUM**  
Innovative Spread Spectrum Technology

**SLT**  
TM  
SECURE LINK TECHNOLOGY



**ARRMA-RC.COM**

©2025 Horizon Hobby, LLC. ARRMA RC is a trade name of Horizon Hobby Ltd. Horizon Hobby Ltd is a subsidiary of Horizon Hobby, LLC. ARRMA, the ARRMA logo, GORGON GROM, Smart and SLT2 are trademarks or registered trademarks of Horizon Hobby, LLC. The Spektrum trademark is used with permission of Bachmann Industries, Inc. All other trademarks, service marks and logos are property of their respective owners.

**WWW.ARRMA-RC.COM**

ARB100055011

