



Thank you for choosing the Dynamite brand. We know that you, the customer are the reason we are in business. Your satisfaction is our number one priority. With this in mind, we have produced this product to be of the highest quality, performance and reliability, and at a "value-packed" price. We hope it provides you with hours of enjoyment in your next R/C project.

Features

- Mini Tazer Brushless works with 3 phase sensored or sensorless brushless motors.
- Compact lightweight design features high power and high efficiency output.
- Auto detection of cell type and number of cells along with automatic cut-off to prevent damage to battery packs.
- Unlike other ESC's, power cut-off will not occur instantly but gradually once the battery voltage drops below 65% of its full capacity. This allows you time to bring your vehicle to a safe stopping location before its stops.
- Reverse delay allows you to operate the brakes by reversing throttle direction input. Once the vehicle has slowed reverse will engage. This feature will prevent damage to your driveline.
- Thermal Overload Protection. Automatically turns off power to the motor if the temperature of the ESC becomes too high.

Specifications

Operation:

Proportional forward & brake with reverse braking delay

Input Voltage:

6 - 16.8V DC
6-10cells NiMH
2-3 cells LiPO

Output:

25Amps

Peak:

30Amps for 10 seconds

BEC Output:

5Volts, 2Amps

Overload Protection:

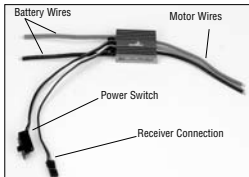
Thermal

Dimensions:

41 x 25 x 10mm

Weight:

1.07oz (31g)



Installing Connectors

Before installation you will first need to solder a quality plug on to the battery leads and bullet type connectors onto the motor lead wires from your ESC.

- 1.) The battery leads are the larger 16 gauge black and red wires coming from the ESC. They are located on the same side as the switch and receiver plug harness. We recommend using a high quality connector such as a Deans Style or the E-Flight EC-3 connectors (EFLAEC303). The preferred method of wiring is to use the female connector housing on the battery and the male connector housing on the speed control.
- 2.) The motor side of the ESC has 3 smaller 18 gauge wires black, blue, red and is located on the opposite side of the battery connectors. You will also need to solder a bullet type connectors onto these wires. If your motor of choice does not provide connectors we recommend using E-Flight 3.5mm Gold Bullet Connectors (EFLA241). The preferred method of wiring is to use the female bullet connectors on the speed control and the male bullet connectors on the motor.

Mounting the Speed Control

Mount the Mini Tazer in the location specified by your vehicles instruction manual. Use double sided foam tape to secure the speed control in position. Use double sided tape to secure the switch to a convenient location on the chassis or shock tower.

Adjusting the Transmitter

Note: Refer to the radio instructions for specific information on transmitter set-up.

- 1.) Set the throttle reversing switch to the NORMAL position (This may need to be reversed on some brands of radios).
- 2.) If your transmitter has an adjustable trigger (or stick) position, move it to the 50/50 position.
- 3.) Set the "throttle trim" to the center position.
- 4.) Set the "throttle exponential" to MINIMUM or ZERO.
- 5.) Set the "ATV" to 100%.

Operating Instructions

- 1.) Connect the three wires from the ESC to the motor.
- 2.) Insert the receiver plug into the throttle channel of your receiver.
- 3.) Before plugging the battery into the ESC, make sure your transmitter is on and the throttle is in the neutral position.
- 4.) Plug the battery in and move the ESC power switch to the on position.
- 5.) The ESC will sound 3 beeps. Indicating it is programmed and ready for action.
- 6.) Adjust the throttle trim slightly to find the best throttle neutral position. This noted by 2 beeps.
- 7.) Next check that the ESC throttle functions match the transmitter input. Lift the car off the ground, pull back the throttle trigger then push forward and hold. If the wheels stop rotating then your ESC and Transmitter are matched correctly. If the wheels continue to rotate change the position of throttle trim switch on the transmitter.
- 8.) Next check the motor for proper rotation. Slowly pull back on the throttle if the vehicle moves forward it is correct. If the vehicle moves in reverse simply change any two of the motor wire connections.

Note: Do not reverse the battery wire connection. Reversing the battery polarity will permanently damage the ESC.

Warranty

Warranty Period

Exclusive Warranty- Horizon Hobby, Inc., (Horizon) warrants that the Products purchased the "Dynamite Mini Tazer Brushless Electronic Speed Control" 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 1/2 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.