



EFLA102 Maxx 25 Speed Controller

Instruction Manual

Thank you for choosing the E-Flite™ brand. 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 at a “value-packed” price. We hope it provides you with hours of enjoyment.

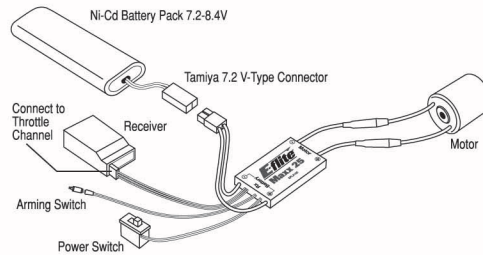
Features

- Thermal overload/current protection (prevent ESC burnout if overloaded or shorted)
- Auto-cutoff shuts off power to the motor giving over 30 minutes of radio operation after cut off (important for electric gliders in thermals)
- On/Off switch turns on the radio only (can test radio without the motor being operational)
- Arming safety switch prevents the motor from running until pushed
- 25-amp continuous current capability can handle up to 18-turn 550 motors
- 6-cell, 7.2-volt and 7-cell, 8.4-volt compatible
- Compact size: 38mm x 24mm x 10mm
- Lightweight: .96 ounces
- B.E.C.- regulated at 5 volts
- Prewired with Tamiya battery connector and Tamiya bullet motor connector
- Universal receiver plug

Specifications

Operation:	Proportional forward, arming safety switch, auto-cutoff
Input Voltage:	6-cell (7.2 volts) through 7-cell (8.4 volts)
Continuous Current:	25-amps forward
Size:	38mm x 24mm x 10mm
Weight:	.96 ounces

Diagram



Hooking Up the Receiver

A universal receiver connector is prewired to the controller (see diagram). Insert the receiver connector into the throttle channel of the receiver. This connector is compatible with JR, Airtronics Z, Futaba, and Hi-Tec receivers. Other types of receivers may not be compatible. Be sure to route the receiver connector wire neatly.

Hooking Up the Motor

The E-Flite Maxx 25 Speed Controller will handle a 540/550-size motor. Female bullet connectors are provided for convenient hook up with motors that are prewired. The red wire is positive (+) and the black wire is negative (-). Connect these wires to the motor.

The E-Flite Maxx 25 comes prewired with a Tamiya style battery connector that is compatible with connectors found on most battery packs. You can use either a 6-cell or 7-cell battery pack (7.2V or 8.4V).

1. Be sure the On/Off switch is in the off position.
2. You must first properly set up the transmitter. Connect a fully charged battery to the battery connector on the speed controller. Do not push the red button switch, as this will activate the motor. If you want to test the motor, stand up and firmly grasp the model from behind the propeller.

Adjusting Your Speed Controller

1. With a firm grasp on your model, begin by turning your transmitter & receiver in the “On” position.
2. Move your throttle joystick to the low position and move the throttle trim to the high position.
3. Press the arming button.
4. Look at the back of the speed controller and note the dial that will need to be adjusted. Rotate this dial until the motor comes to a halt.
5. Reduce the throttle trim to the middle position.
6. Turn the receiver and transmitter off.

Mounting the Controller

Using double-sided servo tape, mount the E-Flite Maxx 25 Speed Controller in the position shown in the instruction manual for your particular model. Be sure to mount the control so that the motor, battery, and receiver wires reach. Mount the switch using the screws and switchplate (included) or use double-sided servo tape on the side of the switch to mount it to the fuselage of your model.

Preflight Instructions

This speed control unit has two switches: one is a standard switch (black in color) and the other is a red button arming switch. The arming switch, when pushed, provides the operation of the electric motor. However, the regular black switch has to be turned on in order for the arming switch to operate. This is a safety precaution specifically designed for your protection.

1. Turn on your model using the black switch.
2. Radio range your model and make sure all control surfaces operate in the proper direction.
3. Make sure that the throttle position is in the low-idle position.
4. When ready, grasp your model with a firm grip and stay clear from the propeller.
5. Push the red button switch.
6. Check the motor (high and low throttle) by using the throttle stick.
7. Now the model is ready for flight.

Note: If your electronic speed controller fails to operate after following the above steps, unplug the receiver connector and rotate 180°.

Warranty Repairs

To receive warranty service, your original dated sales receipt must be included to verify your proof-of-purchase date. Providing warranty conditions have been met, your electronic speed controller will be repaired or replaced free of charge.

Non-Warranty Repairs

Should your repair cost exceed 50% of the retail purchase price, you will be provided with an estimate advising you of your options. Any return freight for non-warranty repairs will be billed to the customer.

For non-warranty repairs, please advise the payment option you prefer to use. Specify VISA or Mastercard, or money order. If you choose to use a credit card, please include your card number and expiration date.

Warranty Information

E-Flite Maxx 25 120 Day Limited Warranty
E-Flite warranties this product to be free from defects in materials and workmanship for a period of 120 days from the original date of purchase. This warranty is limited to the original purchaser of this electronic speed control and is not transferable. This warranty will not cover units that have been modified, misused, or serviced by an unauthorized service center.

Your warranty may be void if damage results from:

1. Reverse voltage is applied to your E-Flite Maxx 25 (e.g., connecting battery pack backward, plugging battery into the motor connector wires, etc)
2. The battery plugs or connectors are altered or removed
3. You allow your wires to become frayed or shorted
4. Use of less than 6-cell (7.2 volts) or more than a 7-cell (8.4 volts) battery pack
5. Tampering with any of the electronic components
6. Allowing water, moisture, or foreign material (e.g. dirt, dust, etc.) into the electronic speed control unit
7. Excessive force in adjusting the neutral and high-speed adjusting pot screw

Under no circumstances will the buyer be entitled to consequential or incidental damages. This limited warranty gives you specific legal rights; you also have other rights that may vary from state to state. If your electronic speed controller is in need of repair, please ship it freight prepaid to:

Horizon Service Center
ATTN: E-Flite Service
4105 Fieldstone Road
Champaign, Illinois 61822

Phone: (217) 355- 9511

Include your complete name and address information inside the carton, as well as write it clearly on the return address label area. Include a brief summary of the difficulty. Date your correspondence and be sure your name and address appear on this enclosure. Also, include a phone number where you can be reached during the business day.

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