

## E-flite EFLM126015



# E-flite BL 15 Outrunner 1260Kv Brushless Motor EFLM126015 Instruction Manual

Model: EFLM126015

## 1. IMPORTANT SAFETY INFORMATION

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**WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product. 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. Do not use with incompatible components or alter this product in any way outside of the instructions provided by Horizon Hobby, LLC. 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 serious injury.

## 2. PRODUCT OVERVIEW

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The E-flite BL 15 Outrunner 1260Kv motor (EFLM126015) is an electric brushless motor designed for remote-controlled aircraft. This motor provides efficient power for various RC applications.



Image 1: E-flite BL 15 Outrunner 1260Kv Brushless Motor. This image displays the E-flite BL 15 Outrunner 1260Kv brushless motor. It features a silver-colored cylindrical body with the E-flite logo and model number printed on it. Three colored wires (yellow, red, black) with gold-plated bullet connectors extend from the base, indicating its electrical connections. The motor has mounting holes on its base for installation.

## 2.1 Key Features

- E-flite BL 15 Outrunner: 1260Kv, EFLM126015

## 2.2 What's in the Box

- BL 15 Outrunner: 1260Kv Motor

## 3. SETUP AND INSTALLATION

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Proper installation of your E-flite BL 15 Outrunner motor is crucial for optimal performance and safety. Always refer to your aircraft's specific manual for mounting instructions.

1. **Mounting:** Securely attach the motor to the motor mount using appropriate screws. Ensure the motor is aligned correctly and does not interfere with other components.
2. **Propeller Installation:** Install the propeller according to the aircraft manufacturer's recommendations. Ensure the propeller is balanced and securely fastened.
3. **Electrical Connections:** Connect the motor's three wires to your Electronic Speed Controller (ESC).

The order of connection may affect motor rotation direction. If the motor spins in the wrong direction, swap any two of the three motor wires.

- 4. **ESC Calibration:** Calibrate your ESC with your radio system as per the ESC manufacturer's instructions. This ensures proper throttle response.
- 5. **Battery Connection:** Connect the battery to the ESC. Always use batteries that meet the specifications of your motor and ESC.

## 4. OPERATING INSTRUCTIONS

Before operating your RC aircraft with the E-flite BL 15 Outrunner motor, perform pre-flight checks.

- **Pre-Flight Check:** Verify all connections are secure, the propeller is tight, and the motor spins freely without obstruction.
- **Throttle Control:** Gradually increase throttle to ensure smooth acceleration. Avoid sudden full throttle inputs, especially during initial flights.
- **Monitoring:** During operation, monitor motor temperature and performance. Excessive heat can indicate an issue.
- **Post-Flight:** After each flight, disconnect the battery and inspect the motor for any signs of wear or damage.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your E-flite BL 15 Outrunner motor.

- **Cleaning:** Keep the motor free from dirt, dust, and debris. Use a soft brush or compressed air to clean the motor's exterior.
- **Inspection:** Periodically inspect the motor for loose screws, damaged wires, or signs of overheating (discoloration).
- **Bearings:** The motor bearings are sealed and generally maintenance-free. If you notice excessive noise or resistance, bearing replacement may be necessary by a qualified technician.
- **Storage:** Store the motor in a dry, cool environment away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor does not spin or stutters.	Loose connections, incorrect ESC calibration, damaged motor/ESC.	Check all wiring connections. Re-calibrate ESC. Inspect motor and ESC for damage.
Motor spins in the wrong direction.	Incorrect motor wire connection to ESC.	Swap any two of the three motor wires connected to the ESC.
Motor overheats.	Over-propped, incorrect timing settings on ESC, insufficient cooling, damaged bearings.	Use a smaller propeller. Adjust ESC timing (if applicable). Ensure adequate airflow. Inspect bearings.

Problem	Possible Cause	Solution
Reduced power or efficiency.	Low battery voltage, damaged motor windings, worn bearings.	Ensure battery is fully charged and healthy. Inspect motor for visible damage.

## 7. SPECIFICATIONS

Specification	Detail
Brand	E-flite
Model Name	BL 15 Outrunner: 1260Kv
Item Model Number	EFLM126015
Kv Rating (RPM/Volt)	1260 Kv
Material	Plastic (for certain components, main motor is metal)
Item Weight	0.15 Kilograms (approx. 5.3 ounces)
Product Dimensions	5.2 x 4 x 1.39 inches
UPC	605482367230
Manufacturer	E-flite (Horizon Hobby, LLC)
Recommended Age	14 years and up
Batteries Required	1 Nonstandard Battery (for operation, not included with motor)
Date First Available	September 14, 2018


## 8. WARRANTY AND SUPPORT






This E-flite product is manufactured by Horizon Hobby, LLC. For specific warranty information and technical support, please refer to the official Horizon Hobby website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

**Manufacturer:** Horizon Hobby, LLC

**Website:** [www.horizonhobby.com](http://www.horizonhobby.com)

### Related Documents - EFLM126015

	<p><a href="#">E-flite Heli 700 Brushless Outrunner Motor 500Kv (EFLM60700A) User Instructions</a></p> <p>Detailed instructions and specifications for the E-flite Heli 700 Brushless Outrunner Motor, 500Kv (EFLM60700A). Includes safety guidelines, operating procedures, warranty information, and compliance details.</p>
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	<p><a href="#">E-flite 30-Amp Pro Switch-Mode BEC Brushless ESC (V2) - Instruction Manual</a></p> <p>This manual provides detailed instructions for the E-flite 30-Amp Pro Switch-Mode BEC Brushless ESC (V2) (EFLA1030BC), covering its features, specifications, programming options, safe operation, troubleshooting, and warranty information.</p>
	<p><a href="#">E-flite 40-Amp Pro Switch-Mode BEC Brushless ESC (V2) Instruction Manual</a></p> <p>Comprehensive instruction manual for the E-flite 40-Amp Pro Switch-Mode BEC Brushless ESC (V2) (EFLA1040B), detailing features, specifications, programming menus, safety warnings, and troubleshooting.</p>
	<p><a href="#">E-flite 40-Amp Lite Pro Switch-Mode BEC Brushless ESC Instructions</a></p> <p>Comprehensive instructions for the E-flite 40-Amp Lite Pro Switch-Mode BEC Brushless Electronic Speed Controller (ESC), covering features, specifications, setup, programming, and troubleshooting for RC aircraft.</p>
	<p><a href="#">E-flite 80-Amp Pro Switch-Mode BEC Brushless ESC Instruction Manual</a></p> <p>Instruction manual for the E-flite 80-Amp Pro Switch-Mode BEC Brushless ESC (EFLA1080B), detailing features, specifications, programming, setup, troubleshooting, and warranty information for RC hobbyists.</p>
	<p><a href="#">E-flite 40-Amp Pro Switch-Mode BEC Brushless ESC Instructions</a></p> <p>Comprehensive user manual for the E-flite 40-Amp Pro Switch-Mode BEC Brushless ESC, detailing features, specifications, installation, programming menus, troubleshooting, and warranty information for RC aircraft enthusiasts.</p>