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## E-flite EFL5258

# E-flite Wheel Set for Timber RC Aircraft (Model EFL5258) Instruction Manual

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your E-flite Wheel Set, Model EFL5258. This wheel set is specifically designed for the E-flite Timber series of remote-controlled aircraft, offering reliable performance for takeoffs and landings.



Image 1.1: E-flite Wheel Set (Model EFL5258) for Timber RC Aircraft. This set includes two main wheels, each with a 4.25-inch diameter.

## 2. SETUP AND INSTALLATION

The E-flite Wheel Set EFL5258 is intended for direct replacement or upgrade on compatible RC aircraft, particularly the Timber series. Installation typically involves attaching the wheels to the existing landing gear axles.

### 2.1. General Installation Steps

1. **Prepare the Landing Gear:** Ensure the aircraft's landing gear axles are clean and free from debris.
2. **Slide Wheels onto Axles:** Carefully slide each wheel onto its respective landing gear axle. Ensure the wheel rotates freely without excessive friction.
3. **Secure the Wheels:** Use appropriate wheel collars or retainers (not included with this wheel set, typically part of the aircraft's landing gear assembly) to secure the wheels in place. Ensure there is a small amount of lateral play to prevent binding, but not so much that the wheel can come off the axle.
4. **Check for Free Rotation:** Verify that both wheels spin freely and smoothly without any wobbling or obstruction.

**Note:** These wheels are typically constructed with a foam core and do not require inflation. Do not attempt to inflate them.

## 2.2. Video Reference (General RC Wheel Overview)

Video 2.1: This video provides a general overview of various RC model airplane wheels. While not specific to the E-flite EFL5258, it demonstrates common types and features of RC wheels.

## 3. OPERATION

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The E-flite Wheel Set EFL5258 is designed to enhance the ground handling characteristics of your RC aircraft. The 4.25-inch diameter provides excellent ground clearance, making it suitable for operation on a variety of surfaces, including paved runways, short grass, and other semi-rough terrains.

- **Takeoffs:** Ensure the wheels are aligned straight before accelerating for takeoff to maintain directional control.
- **Landings:** Aim for a smooth touchdown, allowing the wheels to absorb impact. The larger diameter helps to prevent nose-overs on uneven surfaces.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your wheel set.

- **Inspection:** Before each flight, inspect the wheels for any signs of damage, such as cracks in the hub, tears in the foam, or excessive wear.
- **Cleaning:** After flying, especially on dirty or grassy fields, clean the wheels to remove any accumulated dirt, grass, or debris. A soft brush and damp cloth are usually sufficient. Avoid harsh chemicals.
- **Axle Security:** Periodically check that the wheel collars or retainers are securely fastened to the landing gear axles. Loose wheels can lead to poor ground handling or detachment during flight.
- **Storage:** Store the aircraft in a clean, dry environment away from direct sunlight and extreme temperatures to prevent material degradation.

## 5. TROUBLESHOOTING

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Addressing common issues can help maintain your wheel set's performance.

- **Wobbling Wheels:** If a wheel wobbles during rotation, first check if it is securely fastened to the axle. Ensure the wheel collar is tight and the wheel is properly seated. If the wobble persists, inspect the wheel itself for any manufacturing defects or damage that might cause imbalance.
- **Difficulty Rolling:** If a wheel does not roll freely, check for debris caught between the wheel and the landing gear strut. Also, ensure the wheel collars are not overtightened, which can cause binding.
- **Damaged Foam/Tire:** If the foam tire is significantly torn, compressed, or separated from the hub, it is recommended to replace the entire wheel set to ensure safe and consistent performance.

## 6. SPECIFICATIONS

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Feature	Detail
Brand	E-flite
Model Number	EFL5258
Wheel Diameter	4.25 Inches
Material (Hub)	Plastic
Material (Tire)	Foam (inferred)
Item Weight	0.1 Pounds
UPC	605482618813
Compatible Aircraft Type	RC Aircraft (Timber series recommended)

## 7. WARRANTY AND SUPPORT

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For warranty information and technical support regarding your E-flite Wheel Set EFL5258, please refer to the official E-flite website or contact Horizon Hobby directly. The manufacturer's warranty details are typically provided with the product packaging or available through their customer service channels. You can visit the official E-flite store for more products and support information: [E-flite Store](#)