

ZOHD Alpha Strike 6x4.5 Propeller

ZOHD Alpha Strike 6x4.5 Propeller Instruction Manual

Model: Alpha Strike 6x4.5 Propeller

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your ZOHD Alpha Strike 6x4.5 Propeller. This propeller is designed as a spare part specifically for the ZOHD MKIII Series FPV Wing Alpha Strike 900g 620mm RC Airplane. Please read this manual thoroughly before use to ensure optimal performance and safety.

2. PRODUCT OVERVIEW

The ZOHD Alpha Strike 6x4.5 Propeller is a two-bladed, fixed-pitch propeller. It is constructed from durable material suitable for RC aircraft applications. The package includes one propeller and a set of propeller adapters/washers to ensure compatibility with various motor shafts.



Figure 2.1: ZOHD Alpha Strike 6x4.5 Propeller and included adapters. The image shows a black two-bladed propeller with "6x4.5" molded near the hub, and a black plastic sprue containing multiple circular propeller shaft adapters/washers.

3. INSTALLATION (SETUP)

Proper installation of the propeller is critical for safe and efficient flight. Always ensure the aircraft's power source is disconnected before handling the propeller.

1. **Safety First:** Disconnect the battery from your ZOHD Alpha Strike FPV Wing before beginning any installation or maintenance.
2. **Identify Propeller Direction:** Propellers are designed to rotate in a specific direction to generate thrust. Ensure the leading edge of the propeller blade faces the direction of rotation for forward thrust. For the ZOHD Alpha Strike, the propeller typically rotates clockwise when viewed from the front of the aircraft.
3. **Select Correct Adapter:** Choose the appropriate propeller adapter/washer from the included set that fits snugly onto your motor shaft. The adapter ensures the propeller is centered and balanced.
4. **Mount Propeller:** Slide the selected adapter onto the motor shaft, then place the propeller onto the adapter. Ensure the propeller sits flush against the motor mount or collet.
5. **Secure Propeller:** Use the provided propeller nut or collet to firmly secure the propeller to the motor shaft. Do not overtighten, as this can damage the propeller or motor. Ensure it is tight enough to prevent slippage during operation.
6. **Check Balance:** After installation, it is recommended to check the propeller's balance. An unbalanced propeller can cause excessive vibration, leading to reduced performance and potential damage to the aircraft.

4. OPERATION GUIDELINES

While the propeller itself does not have operational controls, its proper function is integral to the aircraft's flight.

- **Pre-Flight Check:** Before each flight, visually inspect the propeller for any signs of damage, cracks, or chips. Ensure it is securely fastened to the motor.
- **Avoid Obstacles:** Always operate your RC aircraft in an open area free from obstacles to prevent propeller strikes, which can cause damage to the propeller and potentially the aircraft.
- **Listen for Abnormal Sounds:** During flight, listen for any unusual vibrations or sounds coming from the propeller, which could indicate damage or imbalance.

5. MAINTENANCE

Regular maintenance extends the life of your propeller and ensures safe operation.

- **Regular Inspection:** After every few flights, or after any hard landing, inspect the propeller for nicks, cracks, bends, or any other damage. Even minor damage can lead to imbalance and reduced efficiency.
- **Cleaning:** If necessary, clean the propeller with a soft, damp cloth to remove dirt, dust, or debris. Avoid harsh chemicals.
- **Storage:** Store spare propellers in a cool, dry place away from direct sunlight and extreme temperatures to prevent material degradation.
- **Replacement:** Replace the propeller immediately if any damage is observed. Do not attempt to repair damaged propellers, as this can compromise their structural integrity and balance.

6. TROUBLESHOOTING

This section addresses common issues related to propeller performance.

Problem	Possible Cause	Solution
Excessive Vibration	Damaged or unbalanced propeller; loose propeller nut; incorrect adapter.	Inspect propeller for damage and replace if necessary. Check propeller balance. Ensure propeller nut is tight. Verify correct adapter is used.
Reduced Thrust/Poor Performance	Propeller installed backward; damaged propeller; incorrect propeller size.	Verify propeller direction (leading edge). Inspect for damage and replace. Ensure it is the correct 6x4.5 propeller for the ZOHD Alpha Strike.

Problem	Possible Cause	Solution
Propeller Detaches During Flight	Propeller nut not tightened sufficiently; incorrect adapter.	Ensure propeller nut is securely tightened before flight. Use the correct adapter that fits snugly on the motor shaft.

7. SPECIFICATIONS

- **Brand:** ZOHD
- **Item Name:** ZOHD Alpha Strike 6x4.5 Propeller
- **Compatible With:** ZOHD Alpha Strike MKIII Series FPV Wing
- **Propeller Size:** 6x4.5 inches
- **Weight:** Approximately 0.32 ounces (per propeller)
- **Material:** Durable composite plastic

8. WARRANTY AND SUPPORT



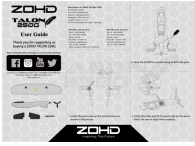
For specific warranty information regarding your ZOHD Alpha Strike 6x4.5 Propeller, please refer to the purchase documentation or contact your retailer. As a spare part, propellers are generally considered consumables and may have limited warranty coverage.

For technical support or inquiries, please visit the official ZOHD website or contact their customer service department. You can also visit the [ZOHD Store on Amazon](#) for more product information and support resources.



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Related Documents - Alpha Strike 6x4.5 Propeller

	ZOHD DRIFT User Guide: Assembly and Operation Comprehensive user guide for the ZOHD DRIFT FPV glider, detailing assembly, specifications, and important usage notes for optimal performance.
	ZOHD DRIFT User Guide: Assembly, Specifications, and Flight Instructions Comprehensive user guide for the ZOHD DRIFT RC airplane. Covers assembly steps, technical specifications for 2S and 3S versions, CG details, and important flight notes for optimal performance and safety.
	ZOHD Talon 250G FPV RC Aircraft User Guide and Assembly Instructions Comprehensive user guide for the ZOHD Talon 250G FPV RC aircraft. Includes assembly instructions, specifications, and setup details for this EPP V-tail model.



[ZOHD VC400 FPV Camera System User Manual - Settings and Specifications](#)

User manual for the ZOHD VC400 FPV Camera System. Covers specifications, channel and band selection, output power settings, OSD configuration, and important warnings.



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