

# Instruction Manual for Turbohawk Alpha White RC Helicopter



Thank you for purchasing Protocol's **Turbohawk Alpha White RC Helicopter**. You are about to experience the best of what remote control flight has to offer. We strongly recommend that you take the time to read this manual thoroughly. It contains many tips and instructions on how to get the most out of this aircraft, and maintain it for long life.

As with any aircraft, this is a precision flying machine. Treat it well and enjoy all the fun it has to offer, flight after flight.

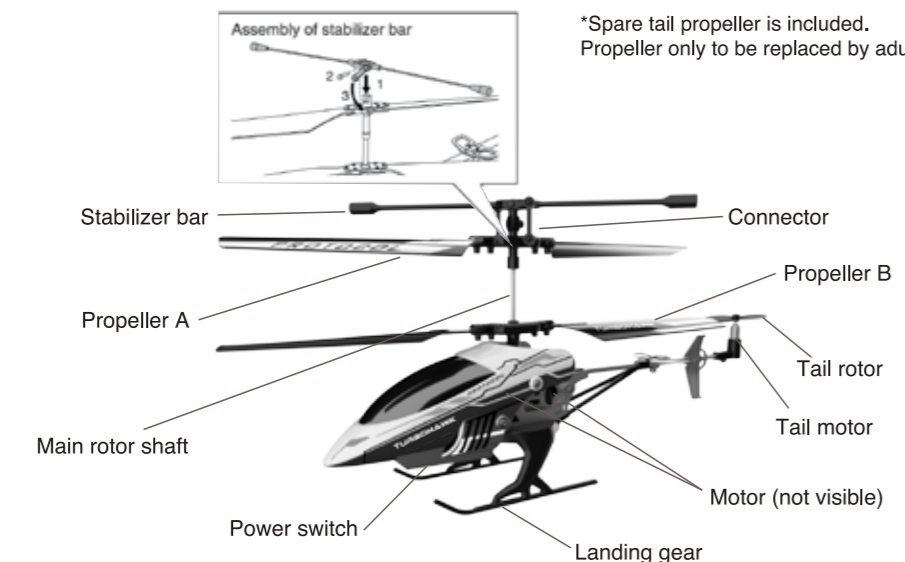
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## Parts Identification

Helicopter



### Close-up of Helicopter



\*Spare tail propeller is included. Propeller only to be replaced by adult.

### Close-up of Remote Control



### Installing the Remote Control Batteries

- Battery Installation
  - Make sure the power switch is off on the remote control before installing the batteries.
  - Using a Phillips screwdriver, unscrew the battery cover on the back of the remote control and insert 6 "AA" 1.5V alkaline batteries (not included) into the battery compartment (Fig. 2). Make sure to follow indicated polarities (Fig. 2). Replace the battery cover and screw in. Do NOT over tighten.
  - When the power light remains on after the remote is turned on, the batteries are working. When the power light begins blinking, the batteries are dying and need to be replaced.

Battery Notes: Do not mix old and new batteries. Do not mix different types of batteries. Only use "AA" alkaline batteries for this product. Remove batteries if this product not going to be used for a long time. Always remove exhausted batteries from the product and dispose of safely.

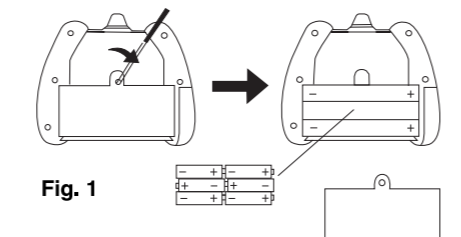


Fig. 1

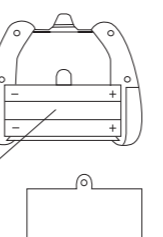


Fig. 2

### Charging the Helicopter

- Pull out the cover and take out the charging wire (Fig. 3).
- Turn off the power to the helicopter and turn the remote on. Insert the charging plug into the socket on the helicopter (Fig. 4).
- The power/charging indicator will turn from green to red while charging. The indicator will turn green once charged.
- The helicopter will have about 5-6 minutes of continuous flight time after approximately 20 minutes charging.

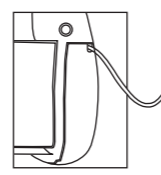


Fig. 3

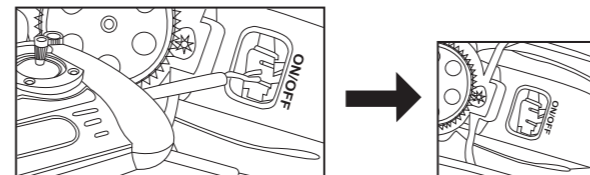


Fig. 4

### Flight Environment

- Choose a location that meets the following conditions.
- Indoor environment with calm air conditions. Be aware of the air circulation from an air-conditioner.
- Space area: It is recommended to have space area over 10ftW x 10ftH x 10ftL.
- Safety area: It is highly recommended that there is no electric fan, air-conditioner, reading lamp or other objects that could impair flying.
- Do not operate the helicopter under the direct sun or strong lighting as it will affect the control system of your helicopter.
- Do not cover the lens of the transmitter. No signal will be released while you cover the lens.
- Do not stick any other label onto the helicopter as it will interfere with the IR signal.
- Set the band on the transmitter to the same as the helicopter.

### Turning On the Helicopter

- Set the band on the transmitter to the same as the helicopter.
- Turn on the power switch to the helicopter, set it on the ground, and step back at least 10 feet (Fig. 6).
- Turn on the power switch to the remote control.
- You may need to wait up to 25 seconds for the helicopter to sync.

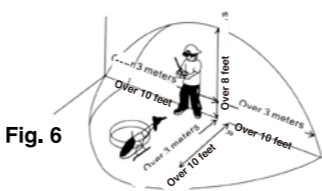


Fig. 6

### Lift-Off Procedure

- Once the helicopter is on you can slowly increase the throttle.
- DO NOT look at the transmitter but focus on the helicopter.
- As soon as the helicopter leaves the ground, reduce the throttle slightly.
- GENTLY add the throttle if the helicopter goes down too far.
- GENTLY reduce the throttle if helicopter goes up too high.
- For turning, give short and small inputs to the omni-directional control stick. (Most beginners will over control the helicopter)

### Controlling Your Helicopter:

Hovering	When the helicopter flies steadily, you can slowly push the throttle stick up to make it fly higher or release the stick a bit to make it fly lower. Only small amounts of stick position change are required for smooth flight. (Fig. 7 & Fig. 8)	Fig. 7 Fig. 8
Turning Left and Right	Hold the helicopter at a desired height. Push the omni-directional control stick toward the left to turn the helicopter left (Fig. 9) and push the omni-directional control stick toward the right to turn the helicopter right (Fig. 10).	Fig. 9 Fig. 10

Forward and Backward	When you push up the omni-directional control stick, the nose points down and the helicopter is moving forward. When you push down the omni-directional control stick, the nose inclines up and the helicopter is moving backward. (Fig. 11 & 12)	Fig. 11 Fig. 12
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### Trimming the Helicopter

- Gently push the throttle up to raise your helicopter about 3 feet high.
- If the helicopter spirals left or right (Fig. 13), turn and release the left/right trim in the opposite direction repeatedly until the balance is adjusted.

NOTE: If the helicopter is less than 1 foot from the ground, the vortex from the spinning blades can create flying issues. Please make sure to fly the helicopter above this height.

NOTE: The tail blade may not always spin as you are flying. Please note that this is normal as long as you are able to control the helicopter.

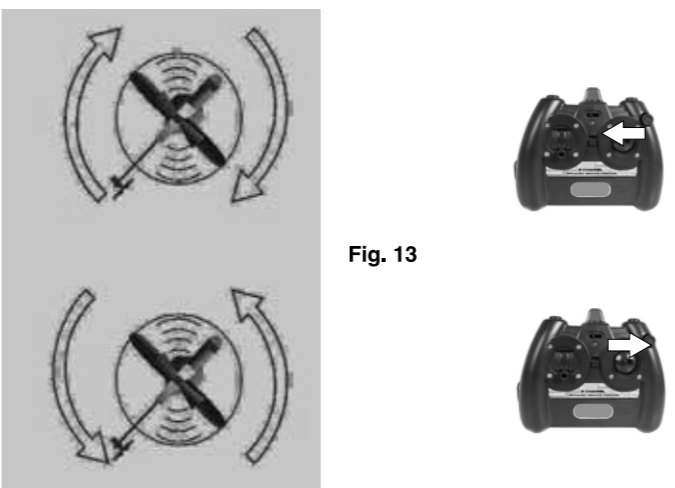


Fig. 13

### Troubleshooting:

Problem	Cause	Solution
Remote control has no power/weak power.	Power switch is off.	Turn power switch on.
Remote control has no power/weak power.	Batteries are improperly installed.	Make sure batteries are inserted according to indicated polarity.
LED light on remote control is blinking.	Batteries are weak.	Replace old batteries with fresh ones.
The helicopter doesn't receive a signal.	Helicopter is not turned on.	Make sure to turn the small power switch on the side of the helicopter on.
Helicopter does not lift.	Main rotor blades are rotating too slowly.	Push up on the throttle.
Helicopter does not lift.	Battery is not fully charged.	Make sure the battery is completely charged.
Helicopter lands too quickly/hard.	Loss of control on the throttle or pulling down on the throttle too quickly.	Pull down the throttle slowly until the helicopter lands smoothly.

**Caution:**  
Do not crash the helicopter from high altitude.

### REPLACEMENT PARTS

Thank you for your purchase of Protocol's **Turbohawk Alpha White RC Helicopter**! We know accidents can sometimes happen which is why we offer spare parts kits on our website: [ProtocolNY.com](http://ProtocolNY.com).

### Limited Warranty:

At Protocol, we're dedicated to bringing you innovative and well-designed products that make living fun and easy. We stand behind all of our products and warrant this to be free from defects in workmanship and materials for 30 days from the date of purchase. The warranty does not cover transportation damage, misuse, accident, or similar events. Specific legal rights pertaining to this warranty may vary by state. For service claims or questions please consult our website [ProtocolNY.com](http://ProtocolNY.com).