Flying

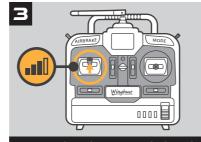
Always take off and land into wind, just like your raptor.

GPS signal (flashing blue light) & home

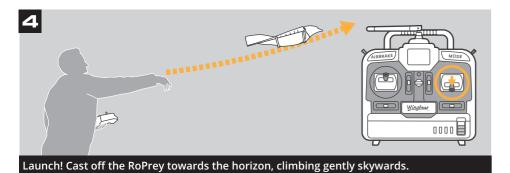
- Assemble
- Stabiliser mode ON
- Pre-flight checks

location set





Facing into the wind, hold your RoPrey at the balance point in one hand. Increase throttle to 3/4 with the other



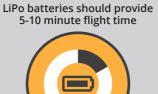
Now it's time to practice...

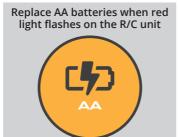
For flying tips and videos visit us online for more information.

- www.rofalconry.com
- **f** @wingbeat
- Wingbeat Rofalconry



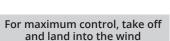
















Place a telemetry transmitter in



Use circle mode only in sub





Be a few mistakes high





your pocket







Don't climb too steeply, you will stall







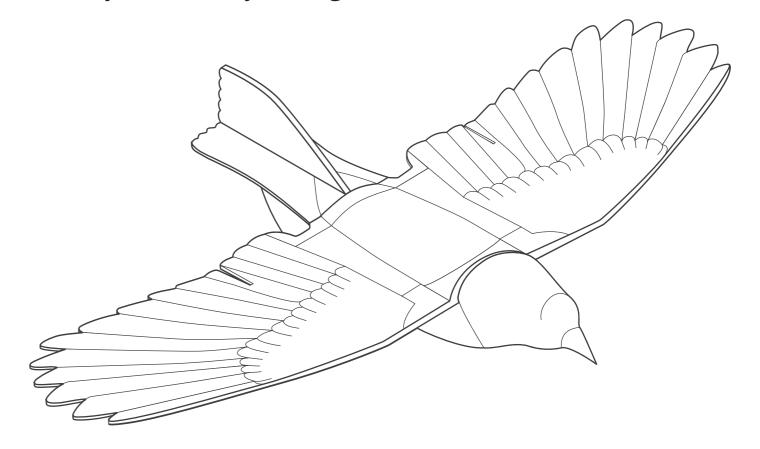


The glue included is for foam repairs, not plastic parts. It dries in less than 60 seconds once sprayed with the activator.

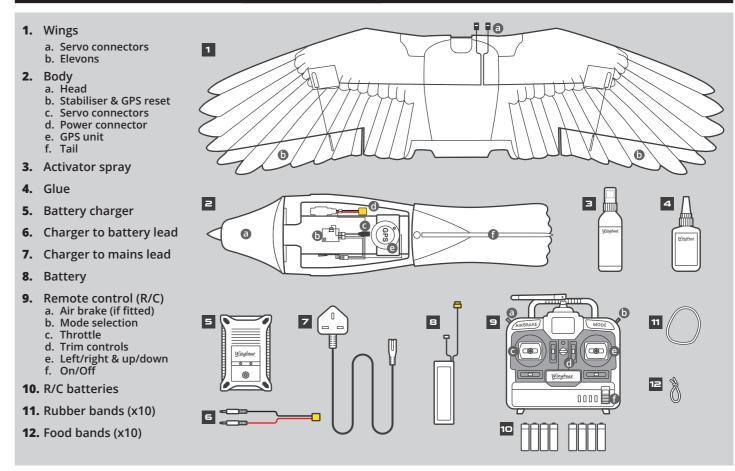
Welcome to RoFalconry



This is your RoPrey user guide



Contents of the box Please check that everything is in the box before assembling your RoPrey



Designed with TDL-Creative 04-IWC101/100419_B

Safety information

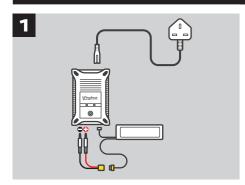
Wingbeat models are designed to be safely caught by your raptor over and stored in a fire proof wallet and over again, but improper use may cause injury to raptors and **people**. Wingbeat accepts no liability **LiPo batteries**, such as on for such injuries or damage.

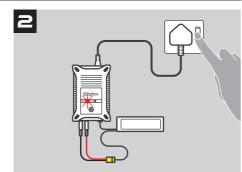
LiPo batteries, such as the one that powers the RoPrey, should be charged under observation when not in use. There are legal considerations to transporting aeroplanes.

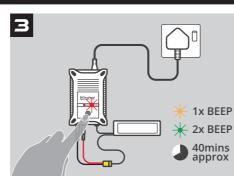
Wingbeat models are fixed wing model planes, not drones. These aircraft may be subject to height limits and/or other restrictions. Check what legal restrictions apply in your airspace before flying. We advise that you **take out insurance** if the model is to be used commercially or in a public place.

Charging

You should start every flight with a fully changed battery. Connect the battery and charger as shown and hold the button until it beeps to begin the charge. 2 beeps and a green light means it's done.

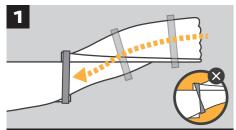




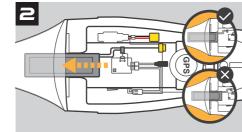


Battery installation and wings

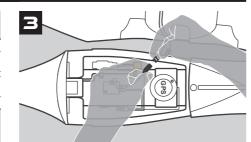
Installing the battery and attaching the wings can be done indoors, before reaching your flying area.



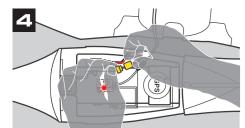
Slide an elastic band over the tail towards the body. Stretch evenly around the fibreglass ring on the underside



Slide the battery securely into the head of the RoPrey.



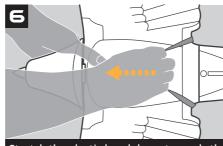
Connect the two wing servos to the body, starting with silver to silver.



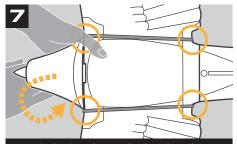
With the transmitter OFF, connect the battery. Expect elevons to flicker, continuous beeping & flashing red light



Make sure all wires are tucked into the body sides. Slide the wings into the head and lower the rear flat onto the body.

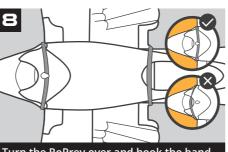


Stretch the elastic band down towards the head, keeping an even tightness.



Stretch the band over the head. Make sure it's over the plastic reinforcements.

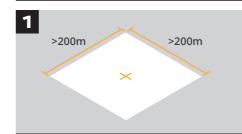




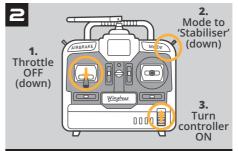
Turn the RoPrey over and hook the band under the head collar.

Setting up GPS

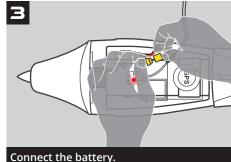
GPS is used to recognise the RoPrey's home point and its own position. It will maintain its approximate altitude when you switch to circle mode, but you must set the home point to your flying ground first.



Go to your flying ground. Preferably a minimum of 200m x 200m with no trees or overhead power lines!

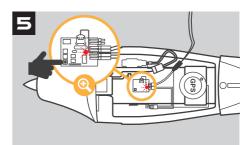


Prepare and switch ON the controller.

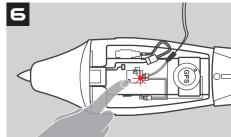




With a clear view of the sky, the GPS now searches for satellite signal. The blue light flashes when connected



Locate GPS reset button on the controller near the flashing red light.



Press and hold the button until the flashing light goes solid. GPS is now reset.

Notes on circle mode

When using circle mode, first make sure you are at least 150ft high (50m) Wait until the RoPrey is flying smoothly height. Your model will fly around the in a straight line and flick the switch up sky trying to hold its home position. to circle mode.

You will lose control of the steering, but not the throttle. Lowering the throttle will cause you model to lose height, and more throttle will maintain height. Your model will fly around the

Always be aware of where your model is. Circle mode should not be used in winds over 18mph. Circle mode will struggle in turbulent or gusty conditions, so it's best used in smooth laminar air. Switch back to stabiliser mode to regain control.

Pre-flight checks

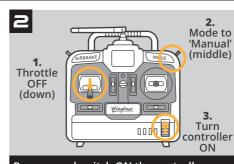
Go through these super-fast checks before every flight to make sure your RoPrey will fly smoothly.



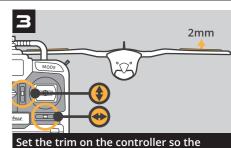
Complete initial checklist

Switch to Stabiliser mode.

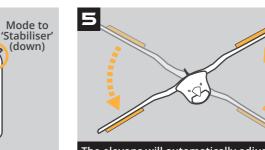
4



Prepare and switch ON the controller.



elevons are level and both raised 2mm evenly above the wings.



The elevons will automatically adjust as you roll the RoPrey from side to side.



Hold the RoPrey securly and test the throttle and elevons. You're ready to fly