

Flying

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

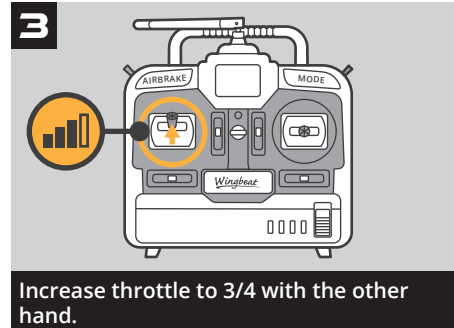
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- ✓ GPS signal (flashing blue light) & home location set
- ✓ Assemble
- ✓ Stabiliser mode ON
- ✓ Pre-flight checks

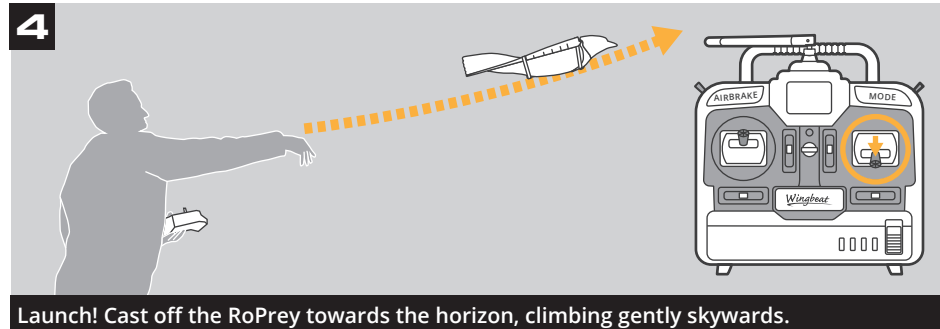
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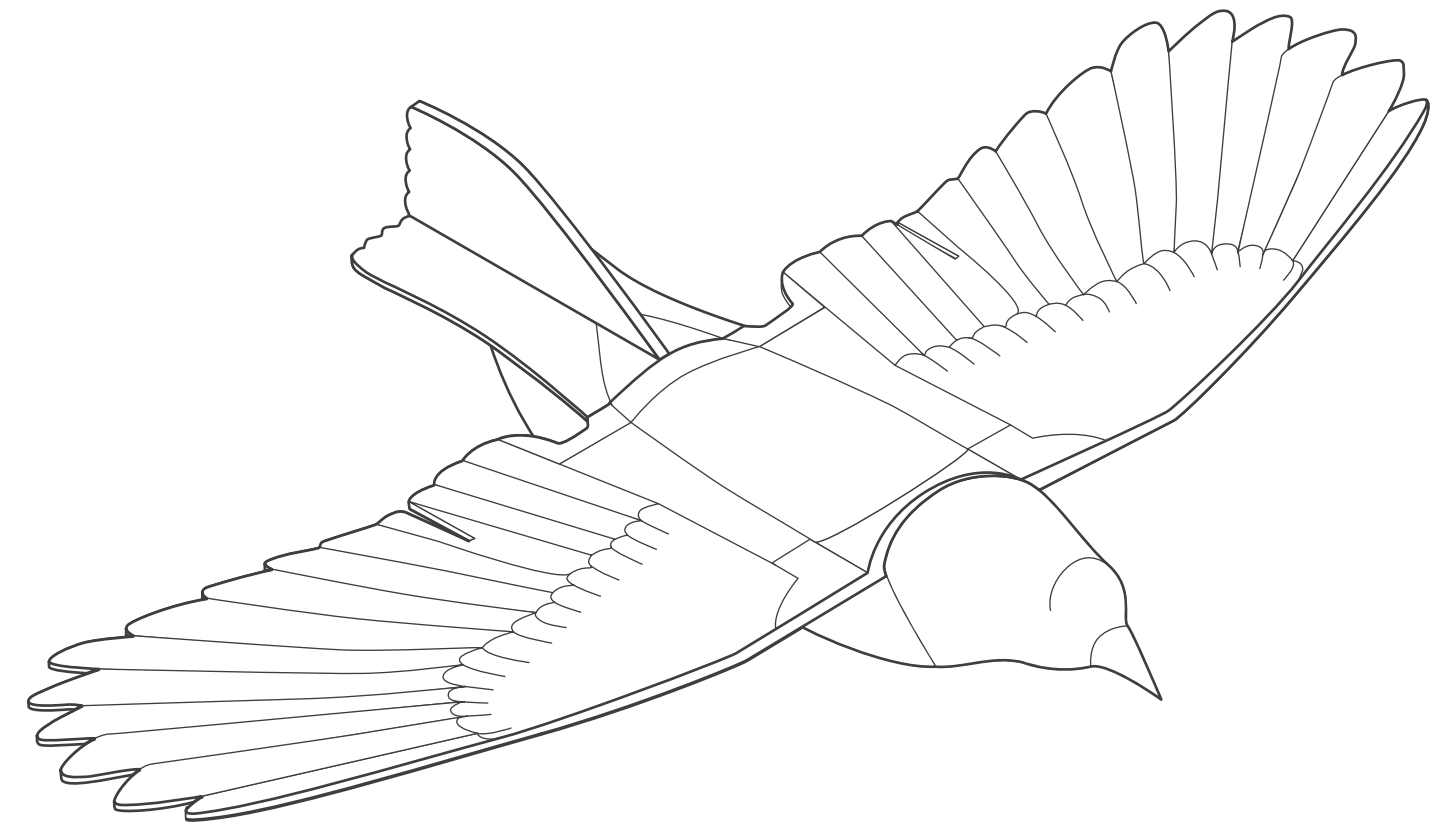
Now it's time to practice...

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

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

Welcome to RoFalconry

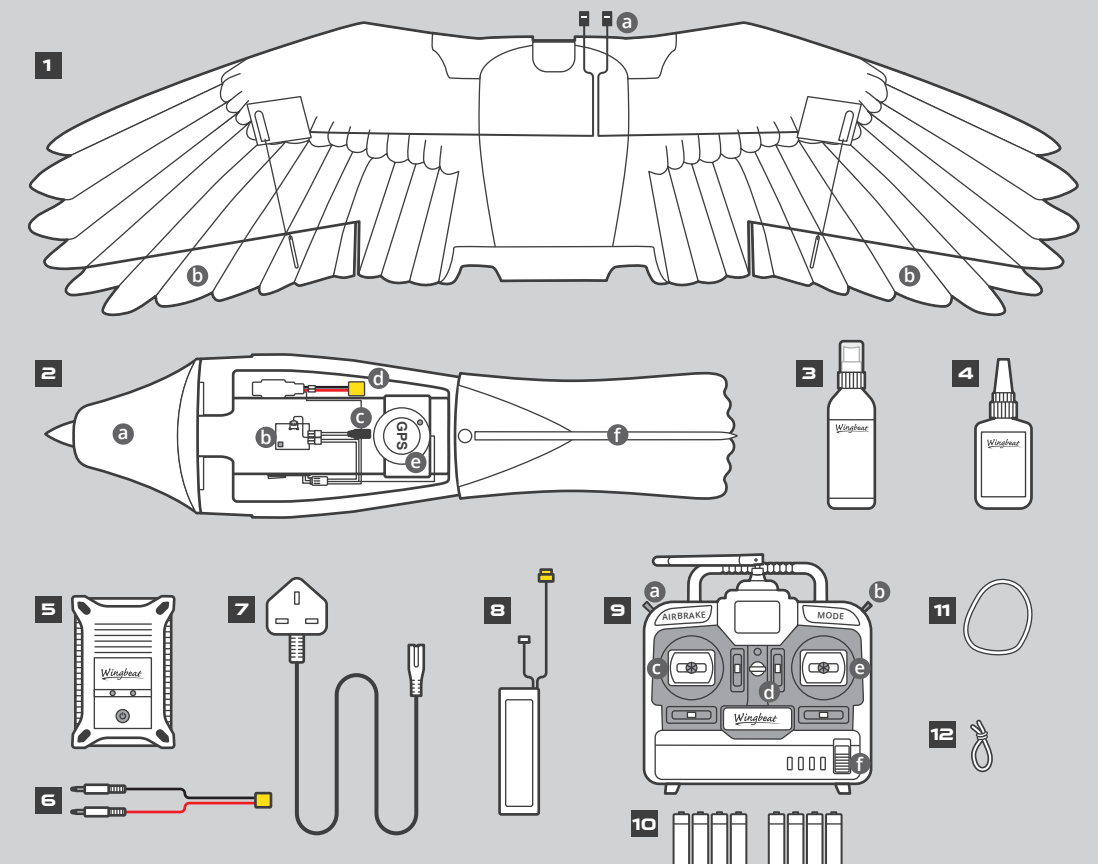
This is your RoPrey user guide



Contents of the box

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

1. Wings
 - a. Servo connectors
 - b. Elevons
2. Body
 - a. Head
 - b. Stabiliser & GPS reset
 - c. Servo connectors
 - d. Power connector
 - e. GPS unit
 - f. Tail
3. Activator spray
4. Glue
5. Battery charger
6. Charger to battery lead
7. Charger to mains lead
8. Battery
9. Remote control (R/C)
 - a. Air brake (if fitted)
 - b. Mode selection
 - c. Throttle
 - d. Trim controls
 - e. Left/right & up/down
 - f. On/Off
10. R/C batteries
11. Rubber bands (x10)
12. Food bands (x10)



Safety information

Wingbeat models are designed to be safely caught by your raptor over and over again, but **improper use may cause injury to raptors and people**. Wingbeat accepts no liability for such injuries or damage.

LiPo batteries, such as the one that powers the RoPrey, should be charged under observation and stored in a fire proof wallet when not in use. **There are legal considerations to transporting LiPo batteries**, such as on 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 charged 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.

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Battery installation and wings

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

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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.

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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 in a straight line and flick the switch up 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 sky trying to hold its home position.

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.

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