



⚠️ XEagle is intended for use by adults above 18 years of age.

Online Tutorials

For instructions and more information on flight safety and operation of the XEagle, please visit www.flypro.com or scan the QR Code.



Flight Environment Precautions

Carefully read and follow the flight safety instructions and do not fly in the following environments. FLYPRO is not liable for damages due to flight in adverse conditions outlined below.

1. Do not fly in areas of low air density, such as altitudes above 5 km.
2. Do not fly in unfavorable weather conditions, including heavy winds, rain and snow.
3. Do not fly in areas with obstructions. Ensure that there are no large obstacles within a 200 metre radius before takeoff and maintain a flight altitude higher than any surrounding obstacles.
4. Do not fly in areas containing sources of electromagnetic interference, including airports, railways and high-voltage power lines.
5. Do not fly within Earth's Polar Regions.
6. Do not use your smart watch to control the aircraft indoors.
7. Maintain visual sighting of the aircraft at all times during flight and ensure the aircraft is operating within 300 metres of the smart watch.



Preflight Inspection

Check whether the gimbal cover has been removed



⚠️ Failure to remove the cover before flight may cause damage to the aircraft and/or the cover.

Install the propellers:

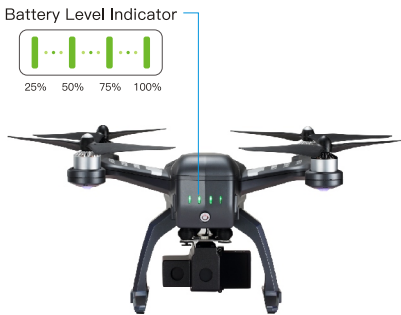
Mount the propellers with black caps on the black motors and rotate them counterclockwise to tighten. Similarly, mount propellers with the silver caps on the silver motors and rotate them clockwise to tighten. Required direction to rotate for tightening and loosening is imprinted on each propeller for your reference.

⚠️ Ensure the aircraft is turned off before installing the propellers.



Check the battery level

Press the Smart Battery power button once to display the current battery level. All green bars indicates full battery level and ready for flight.

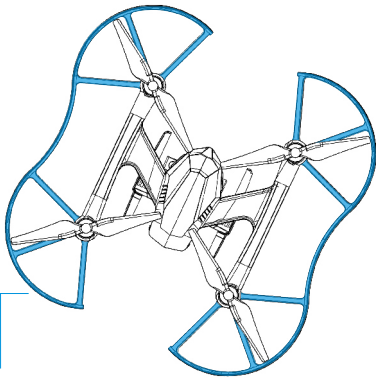


Starting the aircraft:

Hold down the Smart Battery power button for 3 seconds to turn on the aircraft. Keep the aircraft horizontal as the aircraft systems are running a self-test and powering-on. Once the rear indicators flash blue or green, the aircraft is ready to fly; however only operate the aircraft via the smart watch when the light is flashing green, indicating a successful GPS lock.



1 The Aircraft



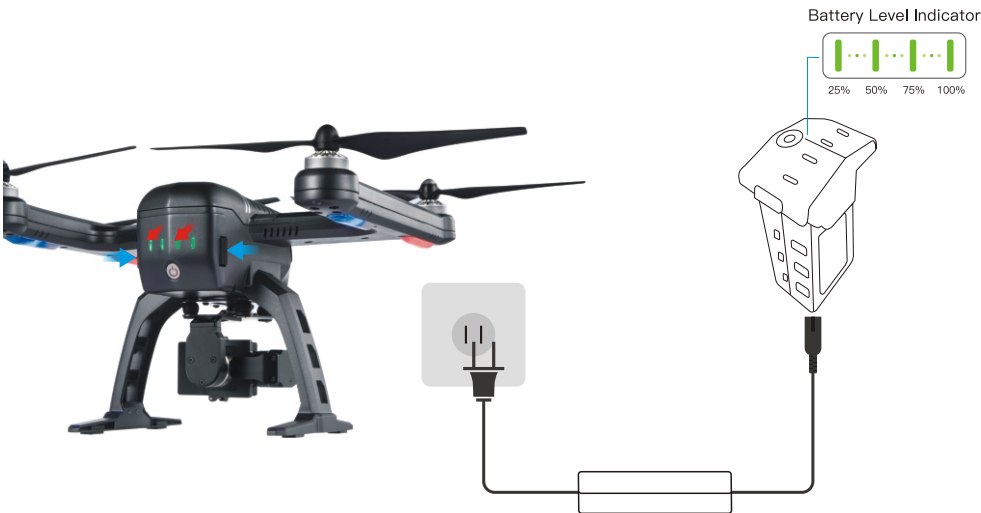
Propeller guards

For beginners, FLYPRO recommends the use of the propeller guards as an added safety measure. These are available from any FLYPRO UAV dealers.

Rear-Arm Indicator	Normal status indication
	Self-test of the aircraft systems.
	Aircraft propellers inactive and locating GPS signal.
	Propellers inactive, GPS signal locked.
	Aircraft propellers active, GPS signal locked.
Rear-Arm Indicator	Fault status indication
	Aircraft returning to home due to low battery level OR aircraft fails to pass systems self-test. (If the latter occurs, restart the aircraft by turning off the Smart Battery, and turning the battery back on after 5 seconds.)
	Aircraft is damaged and its systems cannot function.

2 Charging the Smart Battery

1. Remove the Smart Battery from the aircraft and connect to the XEagle charger provided.
2. Connect the other end of the charger to an AC power supply (100 ~ 240V, 50/60Hz).



⚠️ Please only charge the Smart Battery when switched off. When charging, the Smart Battery indicator will flash green. Once fully charged, the indicator will turn off.

Smart Battery Features:

- Self-discharge protection: If the battery level is greater than 65% and has not been used for 7 days, it will self-discharge to 65% to improve battery life. The self-discharge process lasts for 2 days where small amounts of normal heat discharge will occur.
- Over-discharge protection: As over-discharge will damage the battery and reduce its overall performance, the Smart Battery will cut off output at 10V(approaching 0% battery level) to prevent further discharge.
- Short-circuit protection: In the case of a short-circuit in the aircraft, the battery will cut power to the aircraft to prevent further damage.
- Sleep protection: If a battery is not connected to any electrical equipment and is left switch on, it will enter into a dormant state after 10 minutes in order to conserve power.
- Battery life check: Battery life describes the remaining service period of the battery. When the battery is off, press the Smart Battery power button 4 times in succession to see the remaining battery life. After 10 seconds, all indicators will automatically turn off.

⚠️ Please sure to read the precautions and strictly comply with the instructions labelled on the battery surface.

3 Camera

- Download the FlyproCam app to view in first person what the camera sees, and to download and share photos and videos.



FlyproCam App

1. Download the app from the official website (www.flypro.com/en-appdownload.htm) or scan below:



iOS



Android

2. Turn on the camera and switch on the camera's WiFi by long pressing the forward arrow key.
3. Connect the camera's WiFi from your mobile phone by connecting to "flypro_xxxxxxx" with the default password "12345678".
4. Once connected, open the FlyproCam to operate the camera, and download and share your photos and videos.

⚠️ Maintain a distance within 5 metres from the camera to ensure a strong connection.

Camera Time

To synchronize the camera's clock to the mobile phone's clock, connect to the camera via the FlyproCam app and then restart the camera. The camera's time will automatically update and match the mobile phone's clock.

Camera Power

When the aircraft is powered with the camera connected, the camera will automatically recharge via the aircraft's battery.

File Transfer

There are two methods for transferring the camera's contents to a chosen device:

1. With the mobile phone, use the FlyproCam app whilst connected to the camera's WiFi to download and share photos and videos.
2. Remove the memory card from the camera and connect to the computer via a microSD adaptor or a microSD card slot to transfer captured images and videos.

Camera Settings

	Set video Resolution		Time Lapse Off/3/5/10/30 seconds. Captures an image periodically depending on the desired interval.
	Wide Dynamic Range Balances brightness in dark and cloudy conditions to provide a clearer image. ⚠️ Turn this feature off in bright and sunny conditons.		Picture Resolution 12MP/8MP/5MP. ⚠️ Use 12MP for high quality images.
	Burst Mode The camera will capture 11 images in 1 second when taking photos.		Delayed Shots Off/3/5/10/30 seconds. Captures an image periodically depending on the desired interval.
	ISO Adjustment Auto/100/400/1600. ISO refers to the sensitivity of the image sensor within the camera. ⚠️ Higher the ISO, the more sensitive the sensor is, producing a brighter and noisier image.		Sharpness Adjustment High/Medium/Low. Sharper images provide more detail in their shots. Less sharp images keep the focus of the shot in one place and displays softer edges
	Color Adjustment Standard/Vivid. Adjust this setting to vivid to produce a more vibrant footage. ⚠️ If editing software will be used, use the standard setting.		Angle Adjustment Large/Middle. Adjust your Field of View; middle FOV reduces the viewing angle, however also reduces picture distortion. ⚠️ Large FOV is standard as it captures more in a standard shot.

Upgrading Camera Firmware

For details, refer to: <http://www.flypro.com/en-camera-update-firmware.htm>