4 The Xwatch

• XWatch controls the XEagle with single press; providing useful real-timetelemetry such as aircraft height, distance and remaining flight time; with a maximum range of 300m.

Capture Key

1. To take a photo, press the capture key once and a camera icon will blink on the watch to indicate a photo has been taken.
2. To shoot a video, long press the capture key to begin recording. To stop recording, press the capture key again.

Circle Key

1. In hover state, press once to instruct the aircraft to begin a 360–degree circular pan centered on an arbitrary point 10 metres in front of the aircraft's nose. Press again to stop the pan.
2. When following, press once to instruct the aircraft to begin a 360–degree circular pan centered on the smart watch. Press again to stop the pan.

⚠ Ensure the height of the aircraft is above surrounding obstacles before performing a circular pan.

Power Key

Hold down for 4 seconds to turn on the XWatch. Hold down again for 4 seconds to turn the XWatch off.

Takeoff Key

Once the aircraft status lights flash green and the GPS icon appears on the XWatch screen, press the takeoff key causing the aircraft to takeoff and hold at 8 metres above the watch.

Height Adjustment Knob

1. In circle mode or hover state, scroll and hold the knob up to raise the aircraft's height or scroll and hold the knob down to lower the aircraft's height.
2. In follow mode, scroll the knob up once and release to raise the height of the aircraft by 1 metre or scroll the knob down once and release to lower the height of the aircraft by 1 metre.

Annular Bearing Dial

Rotate the dial to change the orientation of the aircraft relative to you. The dial can be adjusted to one of eight positions.

Follow Key

Press once to instruct the aircraft to follow with the current set distance and height from the watch. Press again to instruct the aircraft to stop following. Ensure the height of the aircraft is above surrounding obstacles before following.

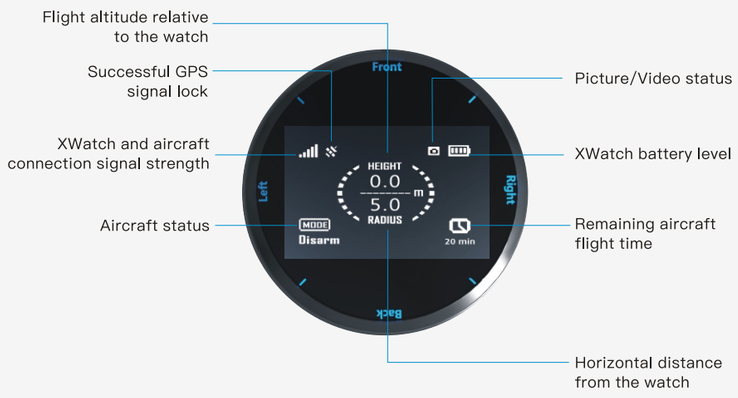
⚠ FLYPRO recommends a maximum follow height of 50 metres for safety reasons.

Landing Key

1. To land immediately, press the landing key once. The aircraft will land on the spot directly below it. If the key is pressed again as the aircraft is landing, the aircraft will cease landing and hover on the spot.
2. To return to home, hold down the landing key. The aircraft will return to the spot it took off from.

⚠ When returning to home: If t hec urrentf lightaltitude is above 15 metres (with reference to its starting altitude),the aircraft will take a straight line path (maintaining constant altitude) to the point above where it took off and land vertically.
If the current flight altitude is below 15 metres (with reference to its starting altitude), the aircraft will rise to 15 metres before taking a straight line path to the point above where it took off and land vertically.

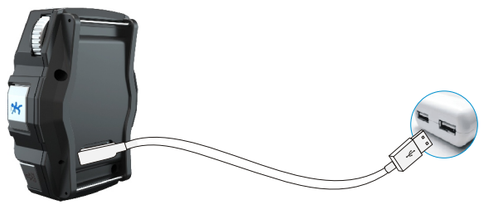
Smart Watch Display



⚠ If the watch loses connection with the aircraft during flight, the signal strength will display a flashing "X" symbol until a successful reconnection is made. If no connection is made within 5 seconds, the aircraft will return to home.

Charging the Smart Watch

1. Insert the magnetic charging cable as illustrated. If attempted to insert the opposite orientation, the cable will not connect and be repelled from the watch's charging port.
2. Once connected, the smart watch battery level icon will start flashing to indicate that it is charging. After 5 minutes, the watch will turn off automatically and will be fully charged in approximately 1 hour. To view the current battery level, press the Power Key once.



5 Standard Flight Procedure

Step 1.
Perform pre–flight inspection (refer to Pre–Flight Inspection section).

Step 2.
Place the aircraft in open space, with the nose facing you, and hold down the Smart Battery power button to turn on the aircraft.

Step 3.
Maintain a distance greater than 5 metres from the aircraft and hold down the XWatch power key to turn on the watch.

Step 4.
Wait for the aircraft status indicators to flash green, successful connection between the XWatch and the aircraft (indicated by a strong signal strength on the XWatch display), and a successful GPS lock from the Xwatch (indicated by the GPS signal on the XWatch display).

Step 5.
Hold down the takeoff key until the propellers rotate, to instruct the aircraft to takeoff. The aircraft will takeoff, climb to 8 metres and hover.

Step 6
Enjoy the full functionality of the XWatch including the follow mode and circle mode. Please follow the instructions provided detailing how to operate the aircraft with the XWatch.

Step 7.
At the end of your session, select a safe spot for landing (a clear and level ground) and land the aircraft. The aircraft propellers will automatically stop rotating and enter "disarm" mode once landed.

Step 8
Hold down the XWatch power key to turn off the watch, and hold down the Smart Battery power button to turn off the aircraft.

XEagle Sport Technical Specification

Aircraft	Weight (Including Battery And Propellers)	1270g
	Max Dimension(Excluding Propellers)	290mm*290mm*180mm
	Max Dimension(Including Propellers)	490mm*490mm*185mm
	Diagonal Size	350mm
	Max Ascent Speed	3m/s
	Max Descent Speed	1.5m/s
	Hover Accuracy	Vertical: ±0.5m Horizontal: ±1m
	Max Follow Speed	15m/s
	Max Flight Altitude	5000m
	Flight Time	About 22 mins
	Operating Temperature	– 10°C to 40°C
	GPS Mode	GPS/GLONASS Dual Mode
Camera	Sensor	1/2.3 CMOS
	Lens Angle	Horizontal: 105°Diagonal:140°
	Aperture	F2.8
	ISO Range	100–1600
	Image Max Size	4000*3000
	Still Photography Modes	Normal Recording,Normal Shoot , Time–lapse video,Delayed Shoot, Burst shots
	Video Recording Modes	4K@24fps,2.5K@30fps, 1080P@60fps,720P@120fps
	Supported File Formats	File System:FAT32 Video Format: MOV Image formats:JPG
Gimbal	Pitch Controllable Range	–90°to +30°
	Stabilization	Two–Axis: Pitch and Roll
Smart Watch	Operating Frequency	430–460MHz/ 906-924MHz
	Max Control Distance	300m
	Operating Temperature	–10°C to 40°C
	Battery	3.7V,400 mAh LiPo
	Working Voltage	0.2A@5V
Xwatch Battery Charger	Input voltage	100–240V 50/60Hz
	Output voltage	5V
Intelligent Battery	Capacity	5200 mAh
	Voltage	11.1V
	Battery Type	LiPo 3S
	Energy	57.7 Wh
	Net Weight	370g
	Operating Temperature	0°C to 40°C
	Charging time	60–90mins
Intelligent Battery Charger Change	Input voltage	100–240V
	Output voltage	12.6 V
	Max Charging Power	50W

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.