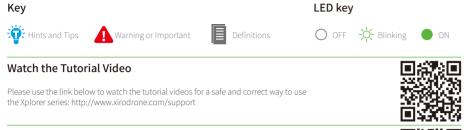


User Manual



This product contains sensitive electronic components and may be damaged when dropped, crashed or exposed to water. DO NOT open or attempt to repair Xplorer by yourself. Contact XIRO customer service or XIRO authorized dealer.



Downloads

Scan QR code at the right side to download and install the XIRO







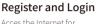
battery disposal locations.

8. If battery acid gets on your skin or in your eyes,

immediate wash your skin or eyes with fresh water for at least 15 minutes and see your

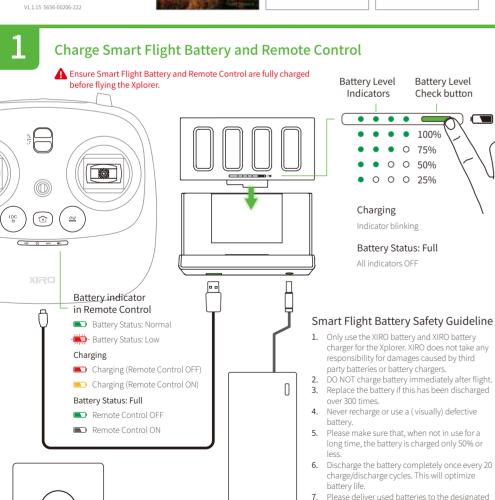
Put out battery fire by using sand or us the dry powder extinguisher. DO NOT use water.

doctor immedediately.



Acces the Internet for registration and login

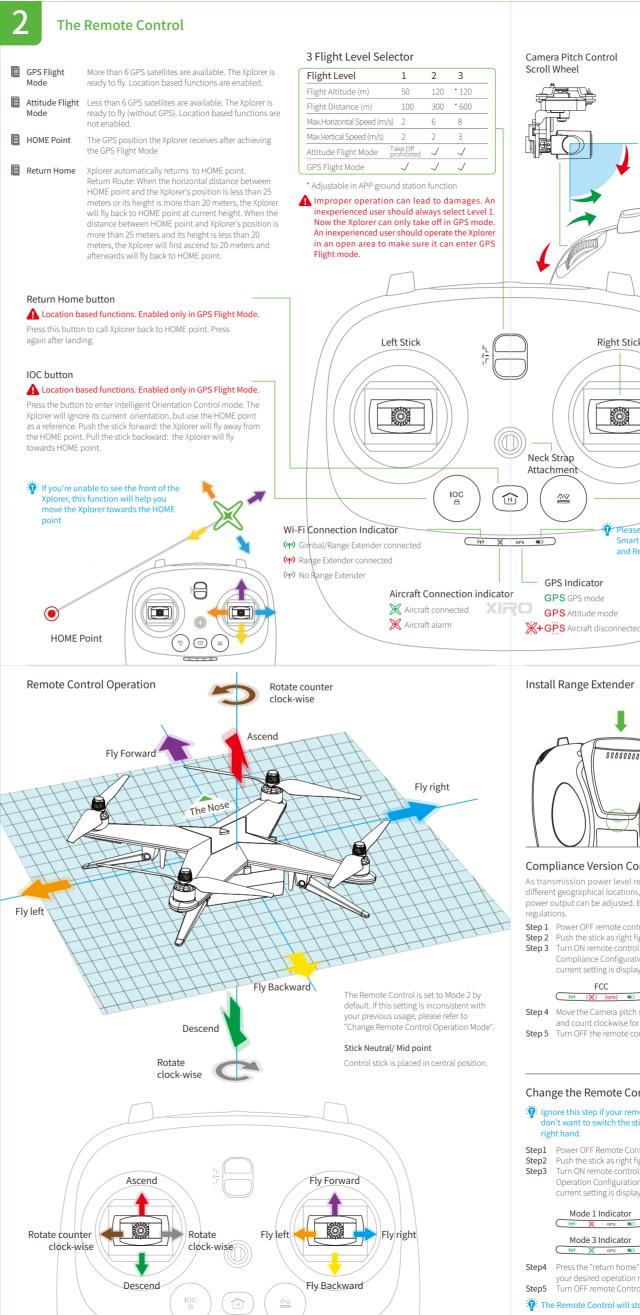


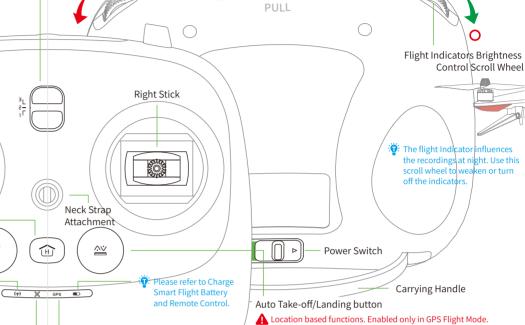


A Please read the user manual and battery warnings before use. The user takes full responsibility for all operations and

Use the Plug Adaptor if

The Remote Control can be charged by PC or USB charger.





Auto Landing

Retractable Mobile Device Holder

Adjust the angle of the holder to your

Pull Out the holder

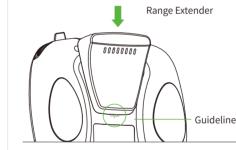
Place your mobile device.

Push back the holder after use

Devices supported: 78 mm X

The max. measurement of Mobile





Step1 Turn off Remote Control. Step2 Place the Range Extender to the back of the Remote Control according to the Guideline.

((p)) <u></u>

(°) (a) (=)

FCC CE

Press this button and the Xplorer will slowly takeoff and start hovering at 3 meters height. Press the button again after the take off has been finalized.

Hover the Xplorer over a selected plane landing point. Press this button, and the Xplorer will descend slowy and land. Press the button again after the take off has been finalized.

e universal joint may, afte veral times, become loose

Please use the wrench included

Push the Range Extender until a "click" is heard. Indicator turns RED means the Range Extender

Compliance Version Configuration

As transmission power level regulations can vary between different geographical locations, the Xplorer Remote Control's power output can be adjusted. Be sure to follow relevant local

Step 1 Power OFF remote control.

GPS Indicator

GPS GPS mode

GPS Attitude mode

Step 2 Push the stick as right figure and hold.

Step 3 Turn ON remote control. The Remote Control now is in Compliance Configuration Mode. Release stick when current setting is displayed:

(m) ; X; ; gps; ■ (m) ; X; ; gps; ■ Step 4 Move the Camera pitch scroll wheel clockwise for CE and count clockwise for ECC

Step 5 Turn OFF the remote control to finish configuration.

500 Operating Distance



When the remote control is turned ON.3 indictor in the right ide will be blinking fast to show its current comp setting. RED is FCC mode and Green is CE mode

Change the Remote Control Operation Mode

ignore this step if your remote has the correct settings and if you don't want to switch the stick functionalities from left hand to right hand.

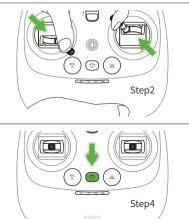
Step2 Push the stick as right figure and hold.
Step3 Turn ON remote control. The Remote Control now is in

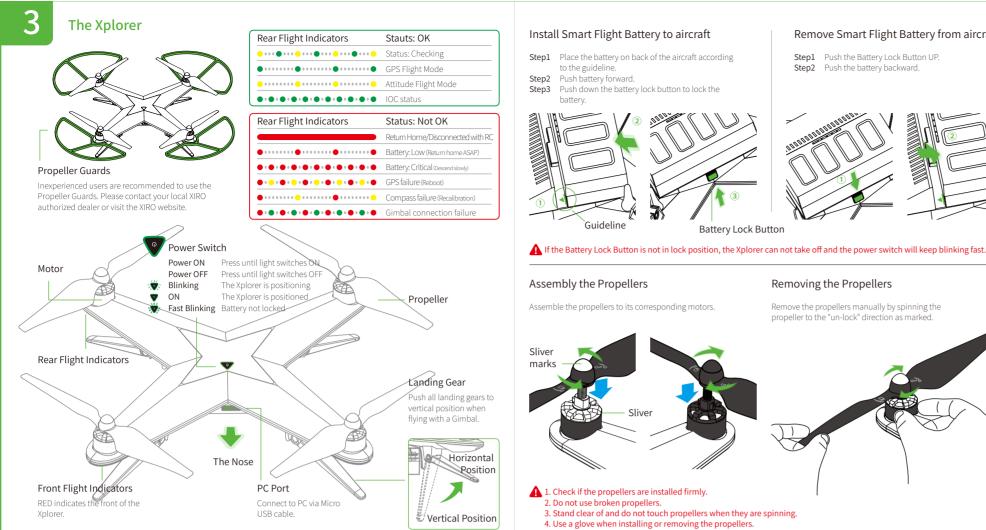
Operation Configuration Mode, release the stick when the

Mode 1 Indicator Mode 2 Indicator (ŋ) 💢 GPS 🖭 Mode 3 Indicator Mode 4 Indicator (ψ) 💢 GPS **■** Step4 Press the "return home" button until the indicators show

your desired operation mode. Turn OFF remote Control to finish the configuration.

The Remote Control will store the settings.





Flight Environment Requirements.

- Do not use the Xplorer in severe weather conditions, like wind speeds exceeding cat.4, snow, rain and smog.
 High buildings or steel structures may affect the accuracy of the onboard compass, we advise to fly in open fields.
 Keep the Xplorer away from obstacles, crowds, high voltage
- power line, trees and water during flight.
 The Xplorer can not fly near the polar areas.
 Do not fly the Xplorer in no-fly zones specified by local laws and

The "lost connection" functionality

. Do not use broken propellers.

to the guideline. Push hattery forward

Guideline

Push down the battery lock button to lock the

Battery Lock Button

In GPS Flight Mode

When the Xplorer loses connection with the remote control, it will return to the last "connected" position. The Xplorer will try to recover the connectivity for 15 seconds before returning to the

3. Stand clear of and do not touch propellers when they are spinning.

4. Use a glove when installing or removing the propellers.

In Attitude Flight Mode

When the Xplorer loses connection with the Remote Control in Attitude flight mode, it might drift away, but will try to reconnect continuously. The aircraft will start to descend slowly when the battery power gets low.

The user can move with the Remote Control towards to

the flight direction if the connection with the Xplorer is lost in the Attitude Flight Mode. The connection may

Remove Smart Flight Battery from aircraft.

Step1 Push the Battery Lock Button UP.

Step2 Push the battery backward.

Removing the Propellers

Remove the propellers manually by spinning the propeller to the "un-lock" direction as marked.

Starting Motors $\textbf{Step 1} \quad \text{A Stick Combination Command (SCC) as shown in the figure at the right is used to start the motors instead of pushing the stick up.$

Step 2 Once the motors have started, release both sticks simultaneously A You can not start motors when the flight level is set to level 1 and the Xplorer is in Attitude Flight Mode. The rear flight indicator will

blink fast as reminder. **Stopping Motors**

you in an open area.

Power ON the aircraft

Start Motors.

Select a suitable flight level.
Power ON the Remote Control.

Flight

charged.

Flight Test

Step1

Step3

Step5

Step7

Check List before flight (No Gimbal)

nallars are mounted firmly 3. All landing gears are in horizontal position.

1. Smart Flight Battery and Remote Control are fully

Step 1 The same SCC is used for stopping the motors as for starting the motors. Please check "Starting Motors" procedure to stop the

Step 2 Once the motors have stopped, release both sticks simultaneously.

Place Xplorer with the smart flight battery facing towards

Wait until the Rear Flight Indicator blinks Green (GPS Flight

▲ Do not execute this SCC during normal flight, this will stop the motors and cause the Xplore to drop.











Make sure the Xplorer is placed in a safe and open area. DO NOT point the front of the Xplorer to the user.



Please keep at least 5 meters away from the Xplorer when taking off.

(B) (B) (B)

Take off and Landing in GPS Flight mode

Mode) or Yellow (Attitude Flight Mode).

Taking off Press the "Auto take off/landing" button, the Xplorer will take off. Press the button again after take off.

Hover over a flat surface, press the "Auto takeoff/landing" button, the Xplorer will descend and land. Press the button again after



Take off and Landing in Attitude Flight mode

Taking off Push forward the left stick slowly to take off

Landing Push backward the left stick slowly to descend. Motors will stop automatically after landing

If the Flight Level is selected to 1, the Xplorer can not take off in Attitude Flight mode (Rear Flight Indicator blinks yellow).

2. DO NOT attach the Gimbal in Test Flight or Training flight.



Advance Flight Skill Training With the XIRO app you can train your Flight skills using the Training

Guide. Also you can consult the instruction manuals for more configurations



If the Xplorer reconnects with the Remote Control during reconnected point. The user is able to have full control

Critical Low Battery Level

Low Battery Level Warning function

Low Battery Level warning

The Xplorer will trigger the Low battery warning on the ote Control when battery capacity is low.

Intermittent vibration, the battery

indicator turns RED. The aircraft: The Rear Flight Indicator blinking slowly in RED.

The aircraft will trigger a critical battery warning when battery capacity is critically lov Remote: Vibrating continuously, the battery indicator turns RED.

re-established when the distance is reduced.

The aircraft in GPS mode:

The Rear Flight Indicators will blink Red fast and the Xplorer will begin to descend an land automatically if the distance between Xplorer and Home point is more than 100 meters. The Xplorer will return to Home Point if the distance is less than 100 meters

The aircraft in Attitude mode:

The Rear Flight Indicators will blink Red fast and the aircraft will begin to descend and land automatically.

The user can call back the Xplorer by pressing the "Return Home" button when the battery runs low.

Compass Calibration

1. Make sure to calibrate the compass when flying in a new location. The compass is very sensitive to electromagnetic interference. This can cause abnormal compass behavior, which leads to a poor flight performance. Regular calibration of the compass is required for optimal performance.

DO NOT calibrate the compass in areas with strong magnetic interference ie. parking structures or areas with steel reinforcement underground.

DO NOT carry magnetic materials when calibrating the compass.

4. DO NOT calibrate the compass next to massive metal objects.

Calibration Procedures

Step1 Place the Xplorer on a horizontal surface and press the ON button

Wait until the Rear Flight Indicator blinks Green (GPS Flight Mode) or Yellow (Attitude Flight Mode).

Pull down the throttle to its lowest position and hold, Press the "IOC" button in 3 cycles. The Rear Indicator will turn to solid green indicating that you can start the calibration now.

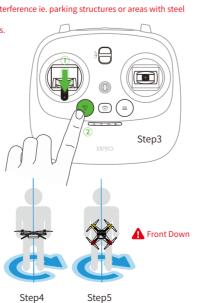
Rotate the Xplorer horizontally for 720° until the Rear Flight Indicators blink yellow fast. The rear flight indicators should stay solid green while rotating.

Step5 Rotate the Xplorer vertically for 720°(Front downwards) until the Rear Flight Indicators blink Green or Yellow slowly. Keep the Rear Flight Indicator in solid yellow

The Rear Flight Indicator status if the calibration failed:



Repeat step 1-5 to Re-calibrate compass.



Step4

When to Recalibrate

1. When compass data is abnormal, the Rear Flight Indicator will blink red and vellow.

2. Severe drifting occurs in flight or hovering.

Gimbal

Support up to 32GB SD card

Camera Cover

Camera Indicator ☆ Timing Photo Video Recording 8GB Micro SD card

PC port nect to PC via Micro

USB cable.

Camera Function Button Photo Pressionce

Video Press 2 seconds

Gimbal Clamp

the XIRO App to reformat new Micro-SD cards. FPV Mode Gimbal will be locked to experience the Xplorer as FPV
Non FPV Mode The gimbal will stabilize the camera through 3-axes for smooth aerial recordings.

XIRO App may not be able to read some Micro-SD cards. It is recommended to use

1. DO NOT insert or remove an SD card when the Xlporer is powered ON.

Install the Gimbal to the Xplorer

⚠ Gimbal is a sensitive device. DO Not install the gimbal to the Xplorer until you are skilled user.

Step 1 Put the Landing Gear in horizontal position and remove Smart Flight Battery. Sten 2 Remove the front cover

Sten 3 Insert the Gimbal into the left slot

Push the Gimbal until a "click" is heard



landing gear in the vertical position



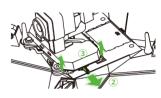


Remove the Gimbal from the Xplorer

Step 1 Put Landing Gears in horizontal position and remove

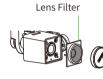
Step 2 Pull the Gimbal Lock outward

Step 3 Remove the Gimbal by moving it to the right.



Attach the Lens Filter

* Only for Xplorer V Remove the camera cove which is magnetically attached to the camer first, afterwards attach the lens filter



Lens cap

Use the lens filter to make better pictures in sunny

Install GoPro Hero4 to the Gimbal

* Only for Xplorer G



The Gimbal CAN NOT control GoPro camera. Only eal-time preview is supported.

Step 9 Power On the Xplorer

The Wi-Fi connection indicator turns GREEN when Gimbal is connected to the Range Extender.

Gimbal Power On Check

If a gimbal motor error is detected or the gimbal clamp is not emoved after the power is switched on, there will be a warning sage on the camera page of the XIRO App.

6

Remove the Gimbal Clamp before power on Be aware, flying in wet conditions (i.e. flying in a cloud) can lead to temporary failure of the Gimbal. After drying it will function normal



Connecting the Camera

Power ON the Remote Control

Power ON the aircraft. Wait until the Wi-Fi connection indicator turns GREEN.

Enable Wi-Fi in your mobile device, wait for 30 seconds, and then select"XPLORER XXXXXX" from the Wi-Fi Network List

Run the XIRO app on your mobile device.

Press the "Camera" icon and the XIRO App will begin a live camera preview. The whole system is functioning



Rename Range Extender SSID

Please change Range Extender SSID if desired



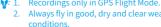
Recordings only in GPS Flight Mode. Always fly in good, dry and clear weather

Change the camera settings as you wish.

Check List before aerial usage

- 1. Smart Flight Battery and Remote Control are fully charged.
- Propellers are mounted firmly. Lens cap has been removed.
- Gimbal clamp has been removed. Micro-SD card has been inserted.
- Gimbal is functioning normally
- 7. XIRO App can connect to the Camera

Aerial Recordings



Make a test flight to get familiar with the Xplore

Move the sticks gently to manoeuvre the Xplore in a