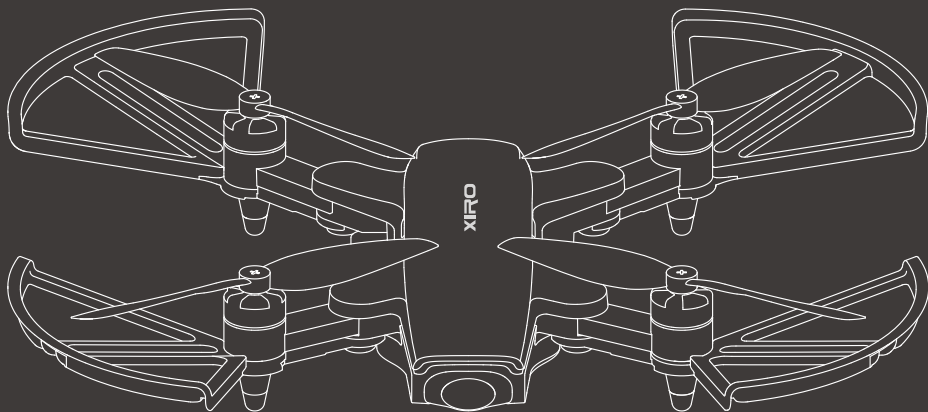


# XPLORER Mini User Manual



## Important Safety Notice

Operating your Xplorer Mini requires some basic skill training to enjoy safe and relaxed flights. It is recommended to read the user manual carefully. If you have any questions contact your regional XIRO Service Center via:

1. the support request form in your XIRO Xplorer App,
2. the online support request form in the support section on [Xirodrone.com](http://xirodrone.com) or
3. send an email to:

XIRO Customer Support Mainland China: <[as-cn@xirodrone.com](mailto:as-cn@xirodrone.com)>

XIRO Service Center Hong Kong: <[as-hk@xirodrone.com](mailto:as-hk@xirodrone.com)>

XIRO Service Center Taiwan: <[as-asia@xirodrone.com](mailto:as-asia@xirodrone.com)>

XIRO Service Center North America: <[as-usa@xirodrone.com](mailto:as-usa@xirodrone.com)>

XIRO Service Center Europe: <[as-europe@xirodrone.com](mailto:as-europe@xirodrone.com)>

XIRO Customer Support Asia: <[as-asia@xirodrone.com](mailto:as-asia@xirodrone.com)>

XIRO Service Center Oceania: <[as-au@xirodrone.com](mailto:as-au@xirodrone.com)>

XIRO Service Center Other Areas: <[as@xirodrone.com](mailto:as@xirodrone.com)>

For the most accurate info on email and hotline contact, we advise you to always check the support pages on <http://xirodrone.com/support>.

# 1.Video tutorials

Watch the XIRO video tutorials before your first flight and make sure you feel safe to fly the Xplorer Mini. You can scan the QR code to watch the video tutorials or find the videos on <http://www.xirodrone.com/support>.



Video tutorials

# 2.Download and install XIRO Xplore App

Please download the XIRO Xplorer App from application stores for your mobile device or scan the QR code here to download it and create your XIRO account.

For iOS 8.0 & Android 4.4 +

For more information check the FAQ part in the support section on

<http://xirodrone.com/support/faq>



Install & Register

# Catalogue

## 3. Overall view of Xplorer Mini

- 3. The Xplorer Mini
- 5. Smart flight battery and Charging kit
- 6. XIRO Xplore App interface

## 7. Check and Preparation

- 7. Flight environment requirements
- 8. Checking battery remaining capacity
- 9. Charging the smart flight battery
- 10. Preparing the Xplorer Mini

## 17. Flight

- 17. Power on the Xplorer Mini
- 18. Connecting your XIRO Xplore App
- 18. How to start the motors
- 19. Takeoff/Landing
- 19. Flight Control
- 21. Advanced flight function
- 23. Smart flight mode options

## 25. Hints and Tips

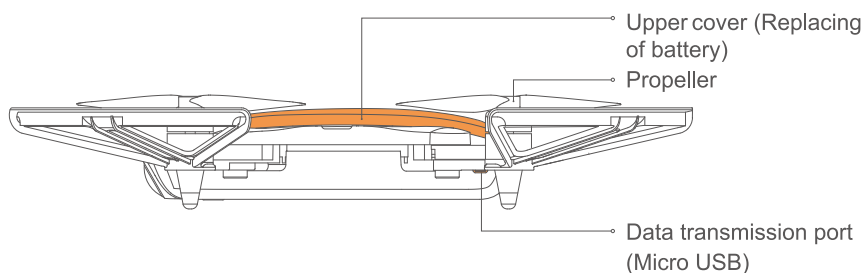
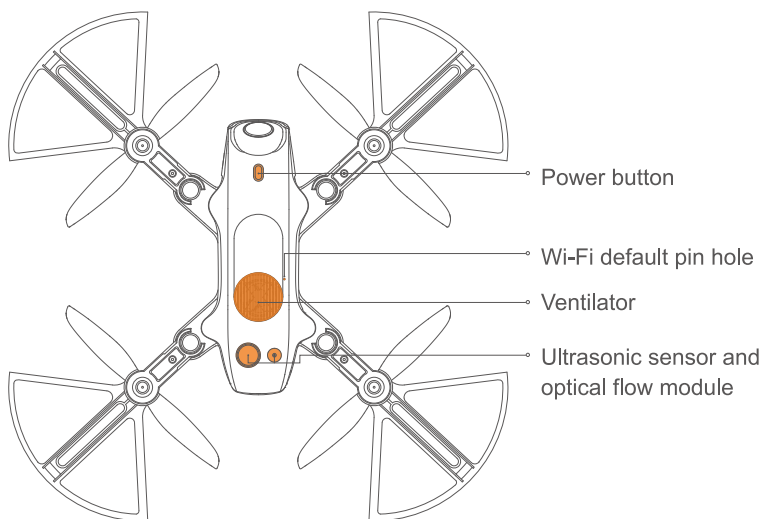
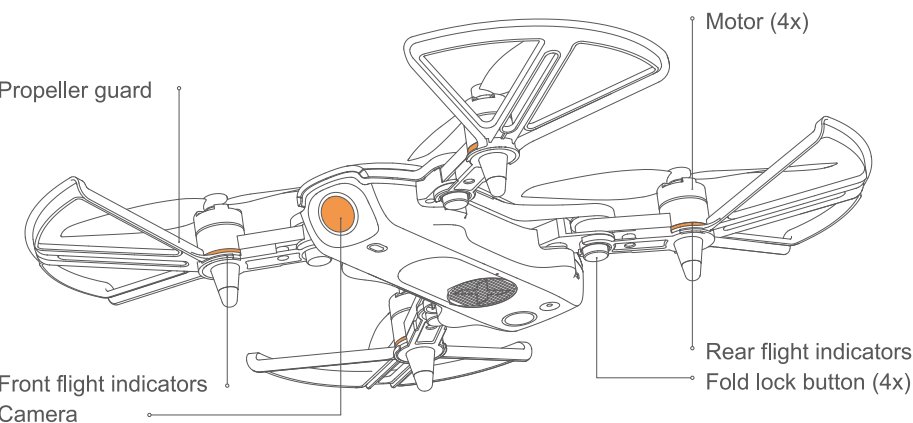
- 25. Maintenance tips.
- 25. Smart flight battery safety guideline
- 26. Battery Lifespan indicator
- 26. The GPS failure protection (Only available in GPS flight mode)
- 27. Low battery level warnings and protection
- 28. Critical low battery level warning (in Attitude flight mode)

## 29. Advanced Operation








- 29. Magnetic compass calibration
- 29. Replacing the propellers
- 32. How to reset the Wi-Fi password
- 32. How to modify the Wi-Fi SSID name and the password
- 32. Copy the recordings and shootings
- 32. Upgrade firmware

# 1.Overall view of Xplorer Mini








## The Xplorer Mini



## Rear flight indicators(Status:normal)

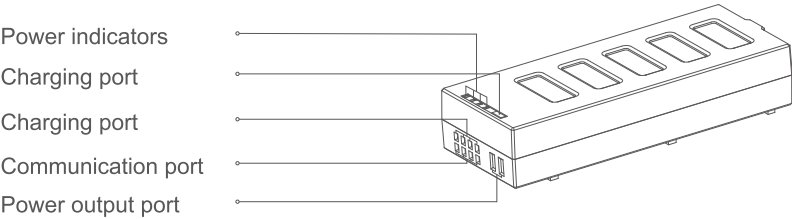
-  Indicators blink yellow and green alternately | Self test.
-  Indicators blink green slowly | GPS locked, GPS satellites signal is normal.
-  Indicators blink green twice and then stop slowly | Visual positioning active, minimum number of GPS satellites cannot be locked or the GPS signal is not available indoors. The Xploere Mini now uses its visual positioning system to enable hovering.
-  Indicators blink green fast | IOC (headless) mode, only available in GPS flight mode.
-  Indicators blink yellow slowly | Attitude flight mode, GPS positioning and Visual positioning are not available.
-  Solid green | Horizontal calibration.
-  Solid yellow | Vertical calibration.

## Rear flight indicators(Status:abnormal)

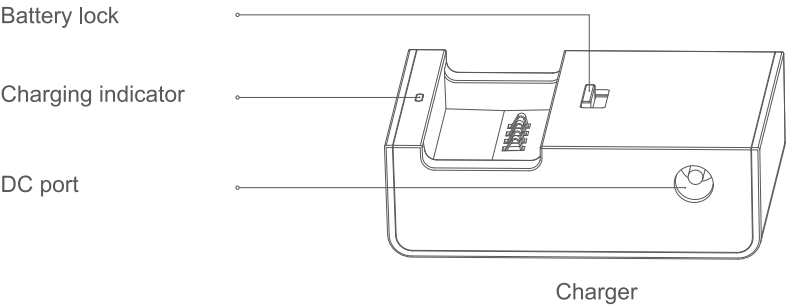
-  Indicators blink red slowly | The battery level is low and the Xplorer will suggest to return to its home position, normally the last takeoff point.
-  Indicators blink red fast | Battery level is critical, the Xplorer will automatically land.
-  Solid red | Return home, Lost connection - Auto return home.
-  Indicators blink red and yellow fast and alternately | GPS failure, please restart the system.
-  Indicators blink red and yellow slowly and alternately | Compass failure, please recalibrate the Xploere Mini.
-  Solid yellow | Sensor data abnormal. (Be in fly)
-  Indicators blink yellow fast | You can not start the Xplorer in restricted zone.

# Smart flight battery and Charging kit

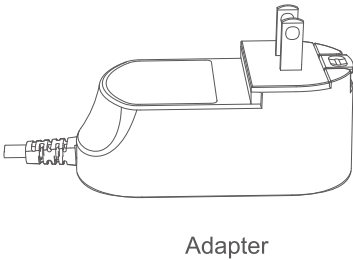
## Smart flight battery



## Charger kit









## Adapter










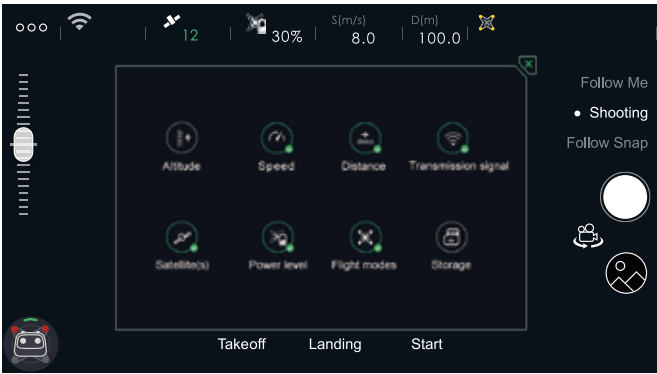
# XIRO Xplore App interface

## Connecting your XIRO Xplore App

Enable Wi-Fi on your mobile device, search for the available Wi-Fi networks and then select the network named "XPLOMER\_Mini\_XXXXXX" from your Wi-Fi network list. When requested for a password, enter the default password: XIRO1234. The Xplorer Mini and the XIRO Xplore App are now connected. (New users, please register first.)

-  Flight mode: Attitude flight mode / GPS flight mode / Visual positioning mode / IOC mode / Return home mode
-  Visual positioning mode
-  GPS flight mode
-  Attitude flight mode
-  Takeoff mode
-  Landing mode

-  Altitude
-  Speed
-  Connected satellites
-  Transmission signal
-  Xplorer power
-  Remaining storage
-  Distance



# 2. Check and Preparation

## Flight environment requirements

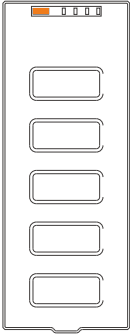



































1. Before every flight, check the local airspace legislation and policies regarding remote controlled aircrafts and follow these at all times.
2. Ensure to fly outside a radius of 3 km of any airport control zone (CTR) or governmental buildings.
3. Always fly in open areas and keep a secure distance from people, animals and/or buildings. Do not fly directly over people or animals.
4. Avoid flying in areas that may cause magnetic interference, such as: power lines, tall buildings, shopping malls, residential areas or mines to avoid malfunctioning of the magnetic compass in your Xplorer Mini.
5. Fly below heights of 4000 meter above sea level to avoid problems with the ascending power in your Xplorer Mini.
6. Check your local UAV weather forecast for information on atmospheric factors that can interfere with controlling your Xplorer. Factors like GPS availability and solar flares can cause unexpected behaviour of the auto pilot in quadcopters. Fly your Xplorer Mini only with a wind force 4 or below and stay out of weather conditions like rain, snow or fog.



# Checking battery remaining capacity

Press the power check button to check remaining capacity

Power indicator

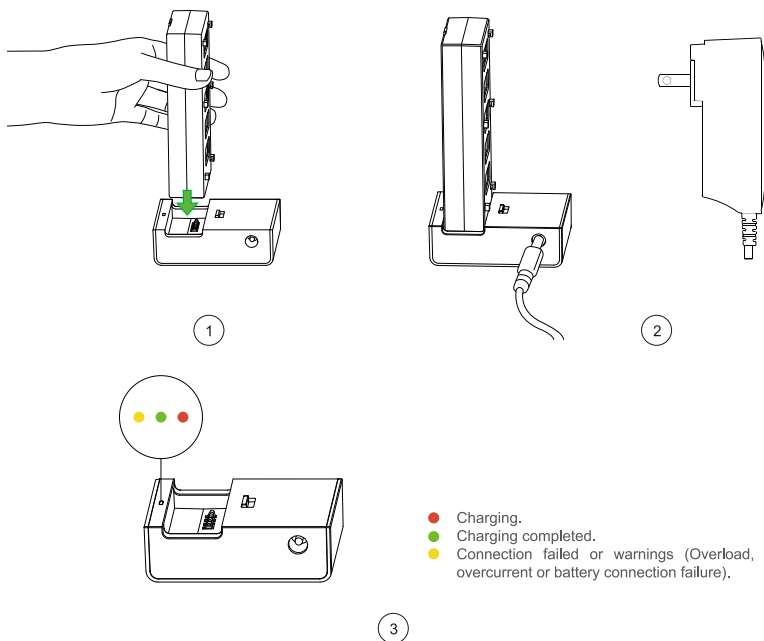
LED1	LED2	LED3	LED4	Remaining capacity		<div>Power check button</div> 
				87.5%	~ 100%	
				75%	~ 87.5%	
				62.5%	~ 75%	
				50%	~ 62.5%	
				37.5%	~ 50%	
				25%	~ 37.5%	
				12.5%	~ 25%	
				0%	~ 12.5%	
	Blinking	 Off	 Solid			

- \*1. It is recommended not to fly the Xplorer when the remaining battery capacity is below 50%.
- \*2. please press the power button to activate your battery first before flight when the remaining battery capacity is between 10%- 50%;
- \*3. please charge you battery first before flight when the remaining battery capacity is below 10%;
- \*4. If the remaining battery capacity is below 0%, the power indicator will not work, you must charge the battery to activate it.

# Charging the smart flight battery

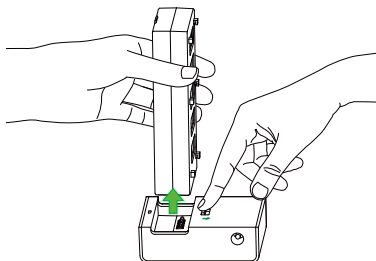
## Charging

1. Hold the battery with the connectors facing down and plug it into the slot. The battery is firmly installed when a "click" is heard.
2. Connect the DC cord to the charger and plug the adapter directly into the power outlet.
3. Verify that the LED indicator on the charger is stable red to indicate that the battery starts charging.



## Removing the battery

Push the battery lock backwards and simultaneously remove the battery.



# Preparing the Xplorer Mini

## Preflight check

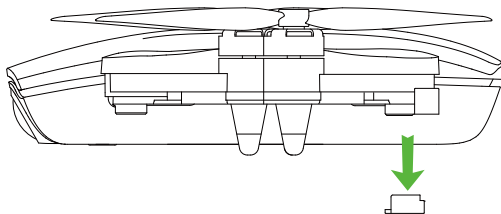
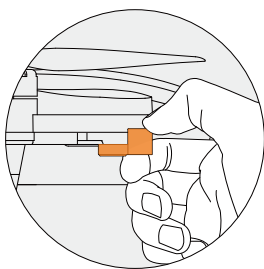
Every time before flying check your Xplorer Mini for physical damages or wrongly mounted parts that may cause problems during your flight. Do not fly with a damaged Xplorer.

Always check the correct mounting of your propellers and assure your screws are tightened securely. For more info on correctly mounting your propellers, please check the section about propellers in the section Advanced Operation.

## Unfolding the Xplorer Mini

Remove the four arm protection clamps

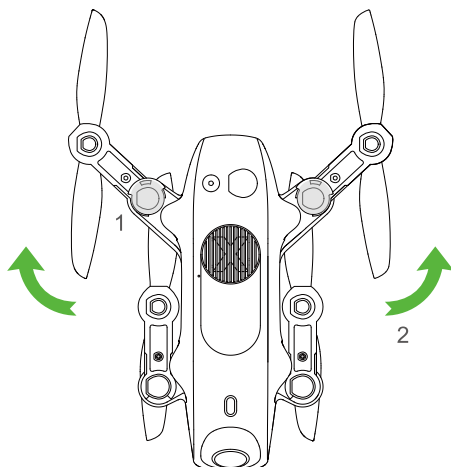
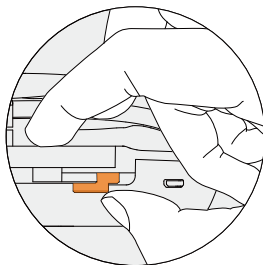
step: 1



1. Keep the fold lock button pressed

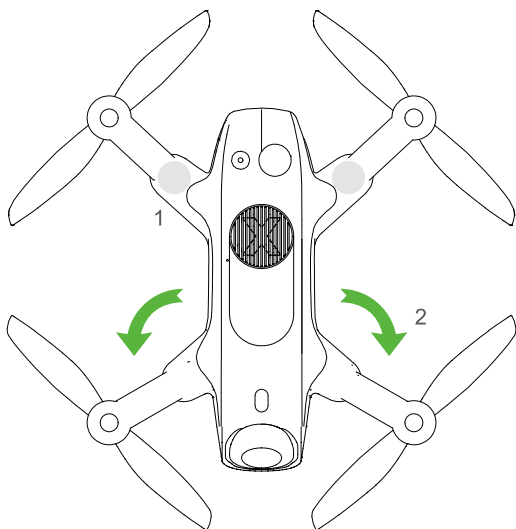
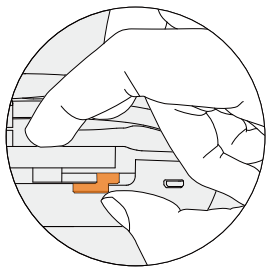
2. Simultaneously open each back arm until a "click" is heard.

step: 2



1. Keep the fold lock button pressed
2. Simultaneously open each front arm until a "click" is heard..

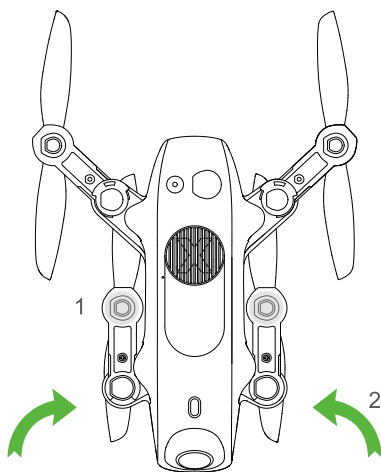
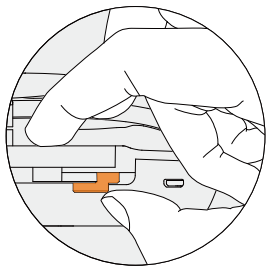
step: 3



### Folding the Xplorer Mini

step: 1

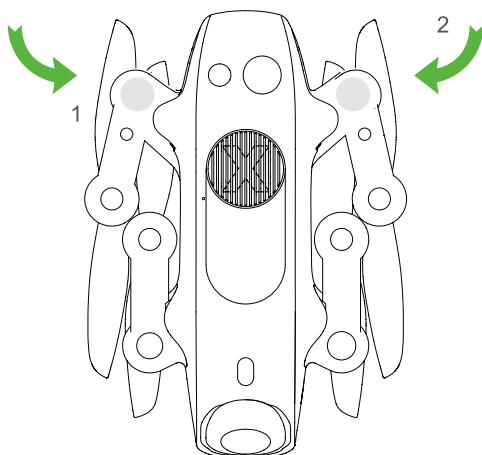
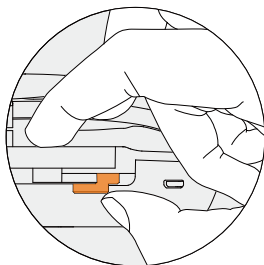
1. Keep the fold lock button pressed
2. Simultaneously close each front arm until a "click" is heard.



1. Keep the fold lock button pressed

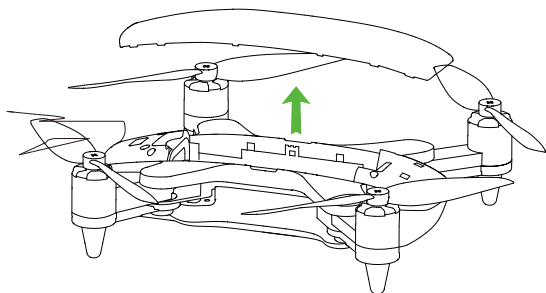
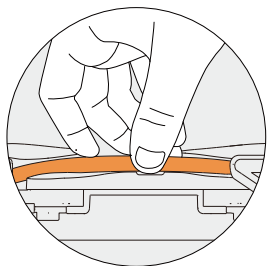
step: 2

2. Simultaneously close each back arm until a "click" is heard.

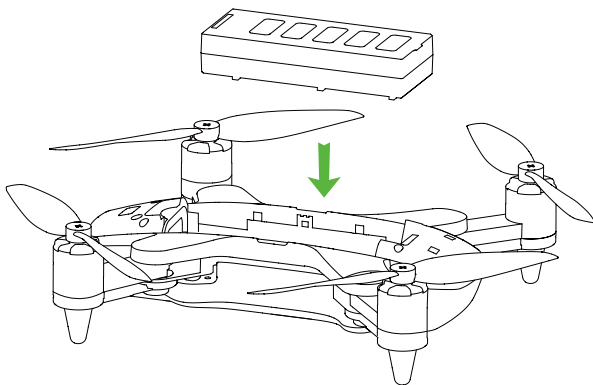


## Installing the smart flight battery

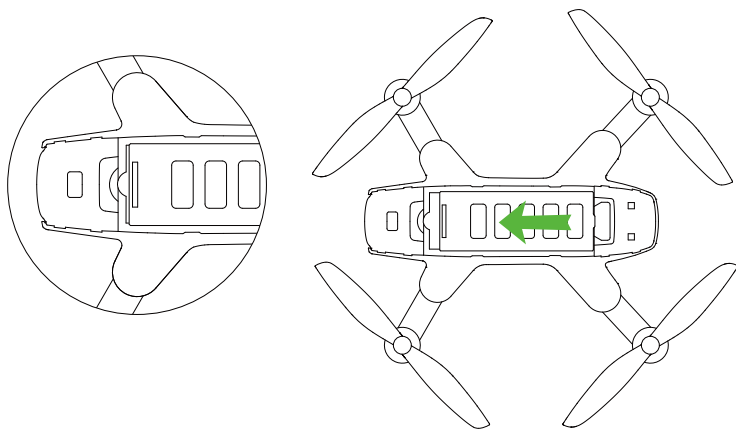
1. Find the gap marked 'Open' in the middle of the upper cover and with your thumb slowly remove the cover.



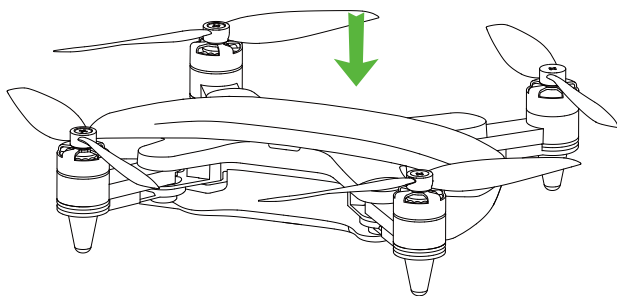
2. Place the battery flat into the body. Make sure the side with indicators is facing the connector in the front.



3. Push the battery gently towards the front into the connector until a “click” is heard. The battery is now installed.

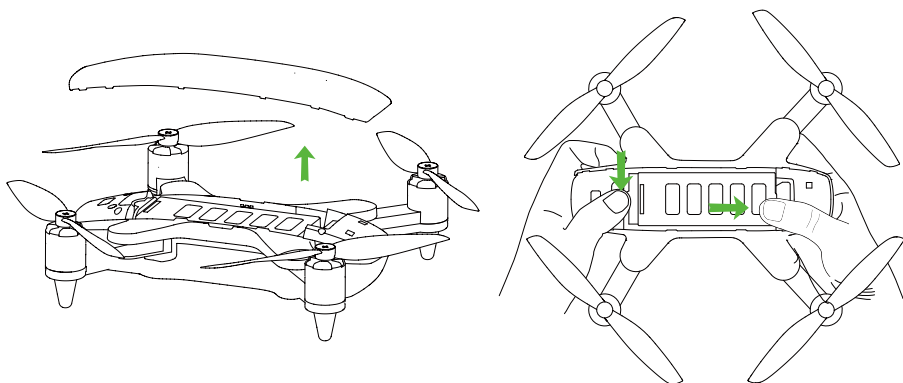


4. Place the upper cover back onto the Xplorer Mini. When installed correctly you hear a “click”. Check yourself to make sure the upper cover is firmly attached to your Xplorer Mini.

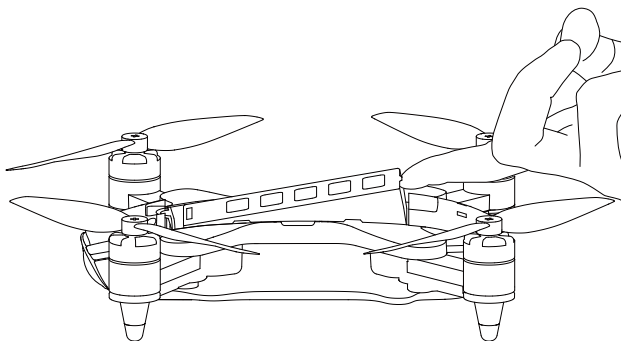


## Removing the smart flight battery

1. Remove the upper cover as described above. Use your thumb to press the battery lock down and simultaneously push the battery towards the rear of the Xplorer Mini.



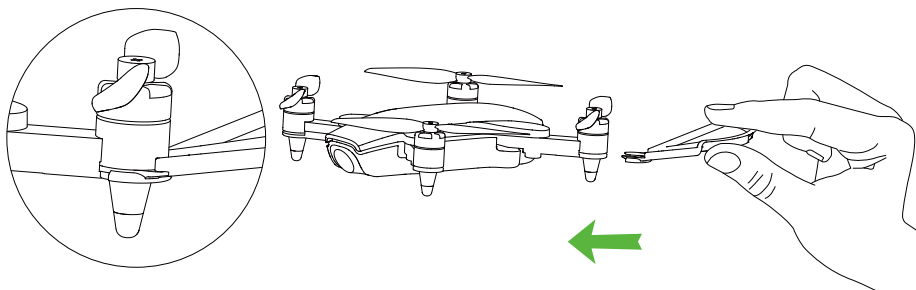
2. When the battery slides off the connectors in the front, lift the rear of the battery to remove it.





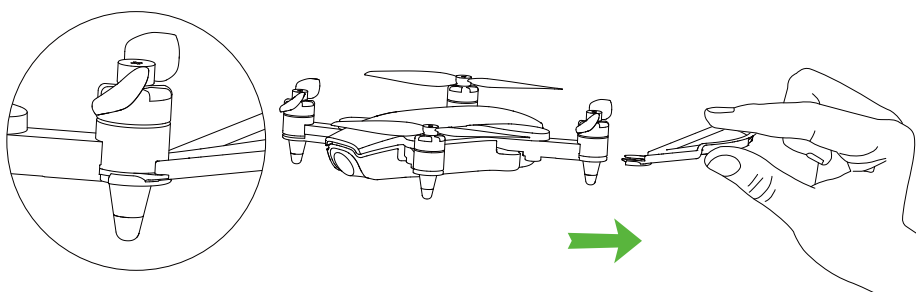
## Mounting the propeller guards

Attach the propeller guards into the propeller guard slot at the bottom of the motor in line with the Xplorer Mini's arm.



## Removing the propeller guards

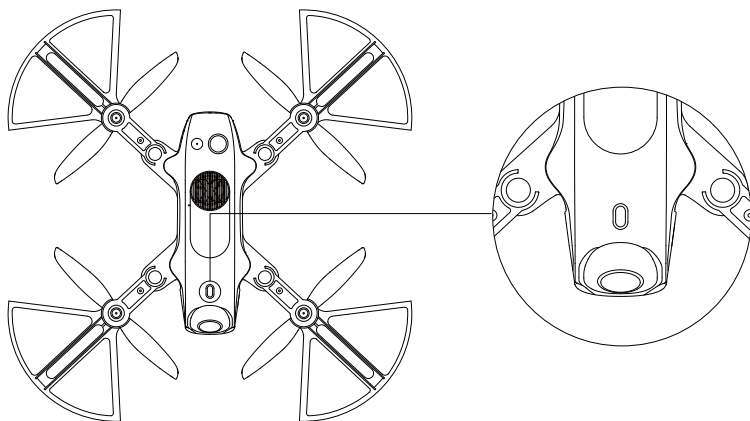
Pull out the propeller guards to remove the propeller guards.



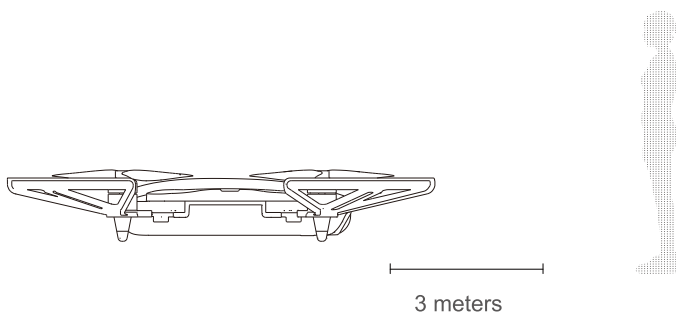
# 3.Flight

## Power on the Xplorer Mini

1. Press the power button at the bottom of the Xplorer Mini for 3 seconds. First you will hear the power on sound, then wait until the flight indicator lights are blinking.



2. Place the Xplorer Mini in front of you with the rear flight indicators facing you. Keep a safe distance of a minimum of 3 meters between yourself and the Xplorer.



▲ After the Xplorer Mini is powered on, check the status of the flight indicators:

\*1. When the rear flight indicators slowly blink alternately red and yellow, the magnetic compass needs to be calibrated. (See calibration steps on page 12)

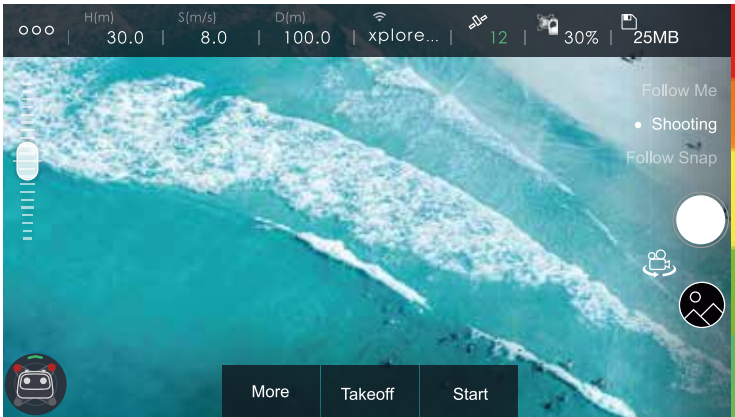
\*2. When the rear flight indicators fast blink alternately red and yellow, there is a GPS failure. Please restart your Xplorer Mini.

\*3. When the rear flight indicators blink green or green twice, the Xploere Mini is ready to fly.

\*4. To avoid accidents, place the Xplorer Mini on the ground once it is powered on.

# Connecting your XIRO Xplore App

1. Enable Wi-Fi on your mobile device, search for the available Wi-Fi networks and then select the network named "XPLOER Mini\_XXXXXX" from your Wi-Fi network list. When requested for a password, enter the default password: XIRO1234. The Xplorer Mini and the XIRO App are now connected. (New users, please register first.)
2. Open the XIRO Xplorer App to enter the real-time aerial photography interface.

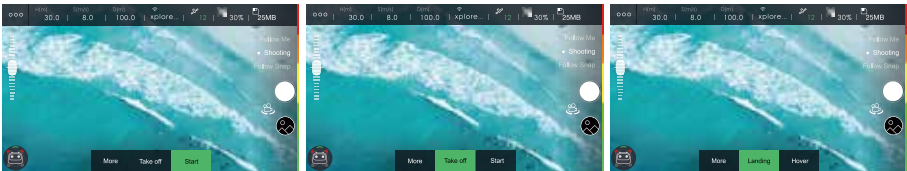


\*The Xplorer Mini can be controlled by only one mobile device. When using a second mobile device to connect to the Xplorer Mini the message “The Xplorer Mini is connected to another mobile device” will be shown on the interface.

\*When the Xplorer Mini has successfully connected to mobile device, the XIRO Xplore App will recognize the Xplorer Mini automatically.

## How to start the motors

Click “Start” on the screen to start the Xplorer Mini



# Takeoff/Landing

1. Click “Takeoff”, the Xplorer Mini will go up 1.5m and hover at that position waiting for your instructions.
2. Click “ Landing”, the Xplorer Mini will land at its current position and the motors shut off automatically.

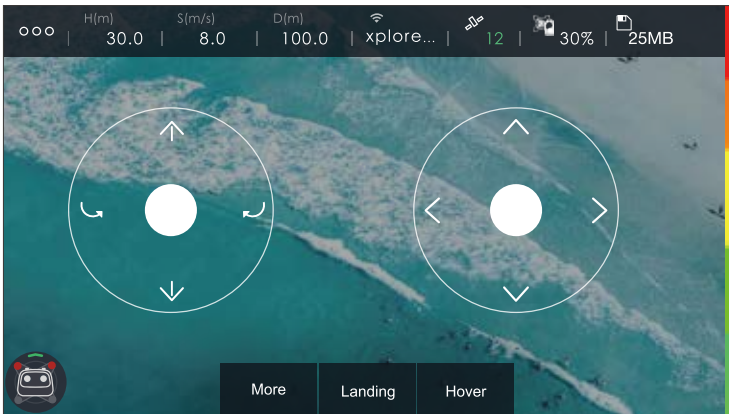
▲ In GPS flight mode, when you power on the Xplorer Mini, the front flight indicators turn red and the rear flight indicators blink green. When the rear flight indicators blink yellow, the Xplorer Mini is in Attitude flight mode. It is advised to change your flight location.

▲ After selecting "Takeoff", the Xplorer Mini will enter the visual positioning flight mode when there are less than 7 GPS satellites locked (the rear flight indicators slowly blink green twice). When the Xplorer Mini flies up to 0.5 meter, it will automatically detect the optical flow environment. When the environment is not suitable for the visual positioning mode, the Xplorer Mini will land and a message will be shown in the XIRO Xplore App.

▲ When in Attitude flight mode, it is advised to change your location.

# Flight Control

Click on the XIRO icon in the lower left corner of the XIRO Xplore App to open the stick control interface.



The default operating mode in XIRO Xplore App is Mode 2 (American mode). The left control stick controls the flight height and rotating directions. The right control stick determines going forward, backward, left and right.

## Left control stick



Press “ ▲ ” to make the Xplorer Mini vertically fly up. Press “ ▼ ” to make the Xplorer Mini vertically go down.

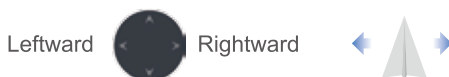


Press “ ↶ ” to make Xplorer Mini turn counter- clockwise around its center. Press “ ↷ ” to make Xplorer Mini turn clockwise

## Right control stick



Press “ ▲ ” to make Xplorer Mini fly forward. Press “ ▼ ” to make Xplorer Mini fly backward.



Press “ < ” to make Xplorer Mini fly to the left. Press “ > ” to make Xplorer Mini fly to the right.

\*Via the Operation settings in the XIRO Xplorer App you can select different operating modes.

\*In the Free control mode, press the button and drag it, the speed is decided by the range you drag the button.

\*In the Motion control mode, press the button. The tilting angle of your mobile device will now decide the speed and movement of your Xplorer Mini.

\*More intelligent operation modes are available via the Operation settings in the XIRO Xplorer App

## Advanced flight function

### Return home

1. When the distance between the Xplorer Mini and the Home point is more than 25 meters and its height is less than 20 meters, the Xplorer Mini will turn until it faces the Home point , then rises to the height of 20 meters. It returns at 6m/s. When the distance between the Xplorer Mini and the Home point is less than 25 meters but more than 10 meters, the flight speed will slow down to 4m/s. When the distance between the Xplorer Mini and the Home point is less than 10meters, the speed will slow down to 2m/s and safely returns until it reaches the Home point and then the Xplorer Mini will vertically land and automatically shuts off the motors when landed.

2. When the distance between the Xplorer Mini and the Home point is more than 25 meters and its height is more than 20 meters, the Xplorer Mini will turn until it faces the Home point , then returns at 6m/s. When the distance between the Xplorer mini and the Home point is less than 25 meters but more than 10 meters, the flight speed will slow down to 4m/s. When the distance between the Xplorer Mini and the Home point is less than 10meters, the speed will slow down to 2m/s and safely returns until it reaches the Home point and then the Xplorer Mini will vertically land and automatically shuts off the motors when landed.

3. When the distance between the Xplorer Mini and the Home point is less than 25 meters, the Xplorer will return at its current height at 2m/s. The pilot has the possibility to adjust its height and direction during the return flight.

4. When the distance between the Xplorer Mini and the Home point is less than 25 meters but more than 5 meters and its height is below 3 meters, the Xplorer Mini will rise to 3 meters and return at 2m/s.

5. When the distance between the Xplorer Mini and the Home point is less than 5 meters and its height is below 3 meters, the Xplorer Mini will return at its current height at 2m/s.

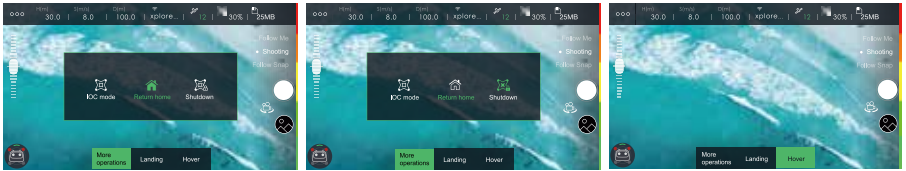
## Shutdown

Press “Shutdown” to activate the shutdown function.

Note: This function will force the motors to shutdown immediately in flight and cause the Xplorer to crash. Only use this function in case of emergency and you have to crash your Xplorer Mini to prevent more severe risks.

## Hover

Press “Hover” in case of emergency to clear all operations except hovering.



## IOC (headless) mode

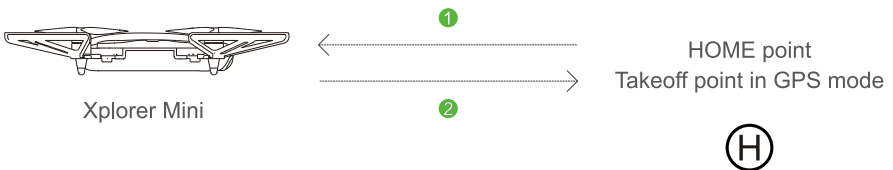
In GPS flight mode, when you press “IOC”, the Xplorer Mini will use its HOME point as reference for its orientation. Pull the stick backward: the Xplorer Mini will fly towards the HOME point and vice versa. The front of the drone (the red flight indicators) is no longer important for controlling the flight direction of the Xplorer Mini.

\*Pull the stick forward, the Xplorer Mini will fly away from its HOME point.

\*Pull the stick backward, the Xplorer Mini will fly towards its HOME point.

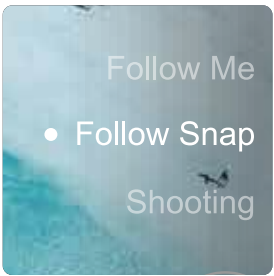
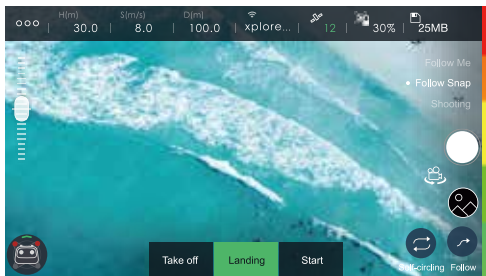
\*Pull the stick left, the Xplorer Mini will fly to the left between the Xplorer Mini and the Home point.

\*Pull the stick right, the Xplorer Mini will fly to the right relative to the line between the Xplorer Mini and the Home point.



# Smart flight mode options

You can select Follow Me / Follow Snap at the right side of the XIRO Xplore App preview screen.



## Follow Snap

In the Follow Snap mode, you can select an object or person on the preview screen in the XIRO Xplore App by drawing a square around your target. When the target is correctly selected, the red rectangle becomes green. Next click Follow and the Xplorer Mini will track the object and you can start recording or shooting pictures.

▲ Make sure there are no tall buildings or obstacles between the Xplorer Mini and the target.

▲ In the Follow Snap mode, when the Xplorer Mini loses connection it will automatically fall back into hover.



Follow Snap

Ground



## Follow Me

In the Follow Me mode, you have two different options: Self-Circling and the Follow mode.

1. In the Self-Circling mode, the front of the Xplorer Mini will face the connected mobile device fly in a circle around the position of the mobile device. Press Self-Circling again to exit the Self-Circling mode.

In the Follow Me flight mode, you can select either the Self-Circling function or the Follow function. It is not possible to select both options simultaneously.

2. In the Follow mode, the Xplorer Mini will track the connected mobile device and you can record videos or shoot pictures. Press the button again to exit the Follow mode.

! Make sure the Xplorer Mini can target the object with the mobile device successfully. When the front of the Xplorer Mini is not facing the object, targeting is not possible. You have to exit the Follow Me mode, reposition the Xplorer Mini and restart the Follow Me mode.

▲ When using the Self-circling option in the Follow Me mode, make sure the Xplorer Mini flies higher than objects in its surroundings. XIRO's Collision avoidance system is NOT available in the Xplorer Mini.

▲ When using the Follow option in the Follow Me mode, make sure the Xplorer Mini flies higher than objects in its surroundings. XIRO's Collision avoidance system is NOT available in the Xplorer Mini.



## Follow Me

# 4.Hints and Tips

## Maintenance tips.





































1. Store the Xplorer Mini and all parts at normal room temperature and in a dry environment.
2. Do not put heavy stuff on your Xplorer Mini.
3. Do not insert anything into the ventilator opening in case of damaging the ventilator.
4. Remove the smart flight battery from the Xplorer Mini when not using the Xplorer Mini.

## Smart flight battery safety guideline

1. Only use the XIRO smart flight battery and the XIRO charger with the Xplorer Mini. XIRO does not take any responsibility for damages caused by third party batteries or battery chargers. Your warranty will become void when using third party parts in combination with the Xplorer Mini.
2. Do not charge a battery that is still warm from usage and never use a battery in your Xplorer Mini that is still warm from charging.
3. Replace the battery when it has been discharged over 300 times.
4. Never recharge or use a (visually) defective battery.
5. When you store your Xplorer Mini for a long period, make sure the battery power level is below 50% to optimize its lifespan.
6. Discharge the battery completely once every 20 charge/discharge cycles. This will optimize the battery lifespan.
7. Please deliver used batteries to the designated battery disposal locations in your area. Do not forget to discharge the battery completely.
8. When you come in contact with battery acid, immediately wash your skin or eyes with fresh water for at least 15 minutes and see your doctor instantly.
9. A LiPo battery fire is similar to a chemical fire. Put out the fire by using sand or using a Class D, dry powder fire extinguisher. DO NOT use water!z

# Battery Lifespan indicator

Checking the battery lifespan: Long press the power button on the smart flight battery for 5 seconds, LED indicators will show you the remaining battery lifespan.

LED1	LED2	LED3	LED4	Remaining battery lifespan		
				90%	~	100%
				80%	~	90%
				70%	~	80%
				60%	~	70%
				50%	~	60%
				40%	~	50%
				30%	~	40%
				20%	~	30%
				< 20%		

## The GPS failure protection (Only available in GPS flight mode)

### GPS failure during flying

When GPS becomes unstable during the GPS flight mode, the Xplorer Mini will hover at its current position when the conditions for Visual positioning mode are available. Otherwise, the Xplorer Mini will switch to the Attitude flight mode and land slowly. You can control your Xplorer Mini during Xplorer Mini until the conditions for the Visual positioning mode are valid again.

### GPS failure during returning

When GPS becomes instable during auto return home function, the Xplorer Mini will stop this function and a warning will be shown in the XIRO Xplore App. When Visual positioning mode is available the Xplorer Mini will hover at its current position. Otherwise, the Xplorer Mini will switch to the Attitude flight mode and land slowly. You can control your Xplorer Mini during landing until the conditions for the Visual positioning mode are valid again.

### Lost-connection protection (in GPS flight mode)

In GPS flight mode, when the Xplorer Mini loses connection with the mobile device, it will return to the last "connected" position. The Xplorer Mini will try to reconnect for 15 seconds before automatically return to its HOME point.

▲ When the Xplorer Mini reconnects with the mobile device during the auto return home function, it will stop and hover at the reconnection point. The user is able to regain full control.

XIRO's Collision avoidance system is NOT available in the Xplorer Mini. Your Xplorer Mini is not yet capable to avoid obstacles automatically during its auto return home. DO NOT fully depend on the auto return home function, actively try to regain control again.

### Lost-connection protection (in Visual positioning mode)

The Xplorer Mini will hover at the height where visual positioning is available. After 3 seconds, it will descend vertically and automatically.

### Lost-connection protection (in Attitude flight mode)

The Xplorer Mini will automatically switch to the Visual positioning mode. When visual positioning is not possible, it will descend automatically at its current position.

## Low battery level warnings and protection

### Low battery level warning (Level 1)

The Xplorer Mini will trigger the low battery level warning when the battery capacity gets below 20%.

Xplorer Mini: At this level the rear flight indicator will blink red slowly.

XIRO Xplore App: A warning message: "Battery capacity is low, return home?" will appear.

When the low battery level warning is triggered in the GPS flight mode, you can press the return home button in the XIRO Xplore App to recall your Xplorer Mini.

### Low battery level protection (Level 2)

The Xplorer Mini will trigger the low battery level protection when the battery capacity gets below 10%.

Xplorer Mini: The rear flight indicators will blink red fast.

XIRO Xplorer App: A warning message: "The Xplorer Mini is returning home" will appear. The Xplorer Mini now automatically start "Return home".

## Critical battery level protection (Level 3)

If the GPS is unstable, the Xplorer Mini will hover at the height where visual positioning is available and then start to descend slowly when the battery capacity gets critically low.

If the GPS and visual positioning are all not available, the Xplorer Mini will slowly land at its current position.

When the low battery level protection is triggered, you can control the flight directions to adjust the landing location.

## Critical low battery level warning (in Attitude flight mode)

The rear flight indicators will blink red fast and the Xplorer Mini will begin to descend slowly at its current position until it is landed.

# 5.Advanced Operation

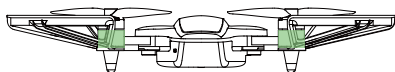
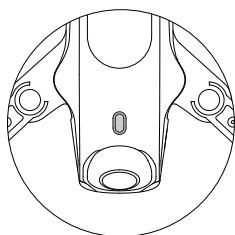
## Magnetic compass calibration

Always calibrate when you start flying at new locations. The compass is very sensitive to electromagnetic interference. This can cause unexpected flight behaviour. Regular calibration of the magnetic compass is required for an optimal performance of your Xplorer Mini.

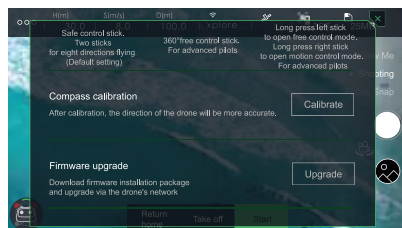
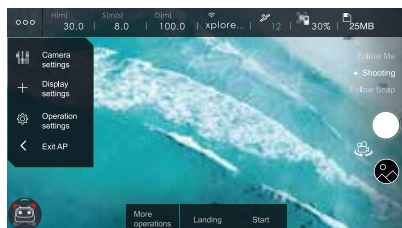
When the low battery level protection is triggered, you can control the flight directions to adjust the landing location.

### Calibration Procedures:

1. Press the power button until the Xplorer Mini is completely started. Wait until the rear flight indicators blink green slowly or yellow slowly.

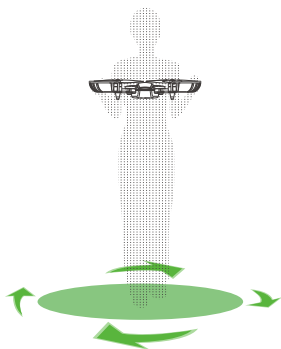


2. Position the Xplorer Mini horizontally and press “ ”-> Operation settings-> “ Calibrate” to calibrate your Xplorer Mini.The rear flight indicators turn into solid green.



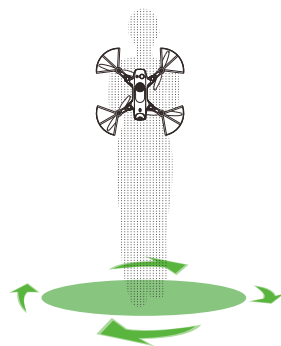
3. Hold the Xplorer Mini horizontal with the rear flight indicators pointing towards yourself. Slowly rotate 1-3 circles, wait until the rear flight indicators blink yellow fast.

▲ When the rear flight indicators start blinking green fast, the Xplorer Mini is no longer in an exact horizontal position. You have to level the Xplorer Mini again. This may result in having to make more circles to finish this stage of the calibration procedure.

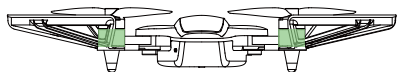


4. For the next stage, hold the Xplorer Mini vertical with the rear flight indicators pointing up. Slowly rotate 1-3 circles. wait until the rear flight indicators start blinking green or yellow slowly.

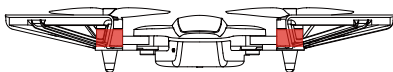
▲ When the rear flight indicators start blinking yellow fast, the Xplorer Mini is no longer in an exact vertical position. You have to readjust the Xplorer Mini again. This may result in having to make more circles to finish this stage of the calibration procedure.



5. The rear flight indicators will blink green slowly or yellow slowly when the calibration procedure ended successfully. The calibration procedure has been unsuccessful when the rear flight indicators slowly blink red and yellow alternately. You have to repeat the calibration procedure to ensure a safe flight. To finalize the calibration process, you have to restart the Xplorer Mini.



Rear flight indicators



Rear flight indicators

## Replacing the propellers

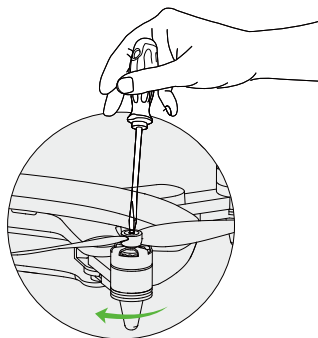
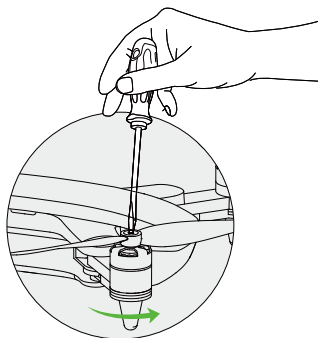
1. First check that the Xplorer Mini is turned off. Use the supplied screwdriver to untighten the screw in the propeller counterclockwise and remove the lock washer and propeller.

The Xplorer Mini has two pair propellers for mounting on the clockwise and counterclockwise motors. The propellers have a direction marker close to the middle. When removing the propeller take note of the direction marker of the propeller you remove.

2. Mount the new propeller with the correct direction marker onto the motor. Place the lock washer and tighten the screw with the screwdriver.

▲ 1. When you cannot mount the propeller onto the motor, this indicates that the propeller and motor do not match because of the direction. Change to the propeller with the correct direction marker. On the Xplorer Mini the motors with the same direction are positioned diagonally of each other.

▲ 2. Tighten the screws all the way to the bottom. Check that all propellers are secured tightly to the motors to ensure the flight safety.





# How to reset the Wi-Fi password

Power on the Xplorer Mini, while pressing the Wi-Fi reset button with a pin. After 3 seconds you can stop pressing the reset button and your Wi-Fi password will be restored to the factory default, XIRO1234.

# How to modify the Wi-Fi SSID name and the password

In the start screen of the XIRO Xplore App, enter my homepage, press Settings“ ”on the top left, select “Aerial photography settings” and select “Xplorer Mini Wi-Fi settings” to modify your Wi-Fi SSID name and password.

# Copy the recordings and shootings

You can download the videos and pictures via the XIRO App Album function or by connecting the Xplorer Mini directly to your computer by using a micro-USB cable. After the restart the new, improved firmware will fully functional in your Xplorer Mini

# Upgrade firmware

Your Xplorer Mini upgrades its firmware via the XIRO Xplore App. Please pay attention to following reminder in the XIRO Xplore App: “Download the latest version firmware to your mobile device”. First the latest firmware will be downloaded to your mobile device. This require you have access to a regular internet connection. Afterwards you can reconnect to the Wi-Fi of your Xplorer Mini. Then the firmware will be uploaded to your Xplorer Mini and the firmware upgrade sequence is finished by restarting your Xplorer Mini. After the restart the new, improved firmware will fully functional in your Xplorer Mini.

# Xplorer Mini specifications

## Xplorer Mini

Diagonal motor-motor	225mm
Measurement	310*310*55mm
Weight (including battery)	432g
Hovering accuracy	H: +/-1.5m, V: +/-0.5m
Max. flight height	50m
Max. flight distance	100m
Max. flight time	15min
Max. flight speed	8m/s
Max. climb speed	3m/s
Max. descend speed	2m/s

---

## Smart Flight Battery

Type	LiPo 3S
Battery capacity	1650mAh
Charging time	1h
Charging environment temperature	32-104 ℉
Operating environment temperature	14 ℉ ~122 ℉

---

## Camera

HD video	1080P/30fps
Image sensor size	1/3.0"
Max. photo resolution	4208*3120
Max. field of view (FOV)	190°

---

## App

Available for mobile devices running	iOS 8.0+ / Android 4.4+
Live video preview resolution	720P

For iOS 8.0 & Android 4.4 +

For more information check the FAQ part in  
the support section on  
<http://xirodrone.com/support>

#### Video tutorials

Scan the QR code to watch the video tutorials or find the videos on <http://www.xiro-drone.com/support>.

#### Download and install XIRO Xplore App

Please download the XIRO Xplore App from application stores for your mobile device or scan the QR code here to download it and create your XIRO account.



Video tutorials



Install & Register