

# Orbit

## User Manual

V1.0



Model ORBTX2

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## In the Box

1. Orbit Drone x1
2. Tracker(including strap) x1
3. Propeller Pair x4
4. Intelligent Flight Battery x1
5. Battery Charger x1
6. Power Cabel Set (includuing a micro USB cable) x2
7. 《Orbit User Manual》
8. 《Skye Orbit Disclaimer and Operation Guidance》
9. 《Orbit Quick Start Guide》
10. 《Orbit Intelligent flight Battery Safety Guidelines》



Before you fly, please read 《Orbit User Manual》、《Skye Orbit Disclaimer and Operation Guidance》、《Orbit Quick Start Guide》 and 《Orbit Intelligent flight Battery Safety Guidelines》 for detailed product information and operation guidelines.

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## Video Tutorials

Please watch the tutorial videos by scanning the QR code below, which demonstrates how to use Orbit safely:



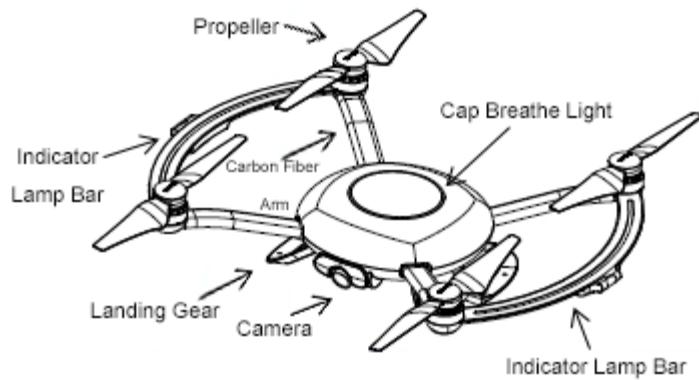
## Drone

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This chapter introduces the main functionalities and features of the drone together with propeller installation and intelligent battery operation guidelines.

## Device Overview

Orbit drone is composed of the following major parts: flight controller, communication system, tracking system, location system and intelligent battery. Each of the above-mentioned part will be introduced in detail.



## Fight Mode

Orbit equips the newest generation flight controller, which support the following mode :

APP mode: Control the drone with Skye+ app

RC mode: Control the drone with remote controller.

## Drone Status Indicators

To indicate the on/off status, Orbit drone is equipped with one breathe light on the top of the body, and another two light bands located at both sides.

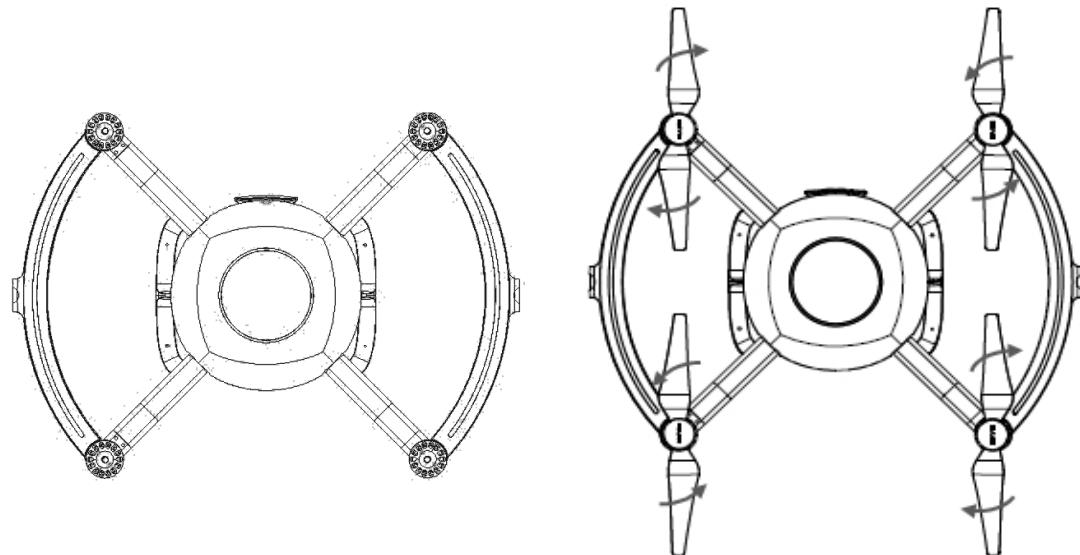
## Propellers

Orbit drone propellers measure 9.5inches, black-capped, and the screw threads inside the caps are painted black and white to indicate different rotation directions.

propeller	Black screw threads	White screw threads
diagram		
Installation location	To be installed on the motor with dotted axis	To be installed on the motor with undotted axis
Legends	<p> lock: locking direction for attaching the propellers to motor</p> <p> Unlock: unlocking direction for detaching the propellers from motor.</p>	

### Attaching the Propellers:

Mount the propellers with black propeller screw threads to the motors with black dots. Mount the propellers with white propeller screw threads to the motors without black dots. Press the propeller down onto the mounting plate and rotate in the lock direction until it is secured in its position, use one hand to fasten the propeller and another to hold the motor.



Please ensure the propellers are attached to the matching motors.

Please manually ensure the propellers are firmly fastened to prevent potential safety hazard

Handle the propellers with caution to prevent cutting hazard from the thin propeller blades.

Use only the propellers provided by Skye. Do not mix up propellers from other origins than Skye.

Propellers can be consumable, please order additional ones as needed

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### Detaching the Propellers

Hold the motor in place with one hand, then spin the propeller in the indicated unlock direction.



Check that the propellers and motors are installed correctly and firmly before every flight.

Ensure that all propellers are in good condition before each flight. DO NOT use aged, chipped, or broken propellers.

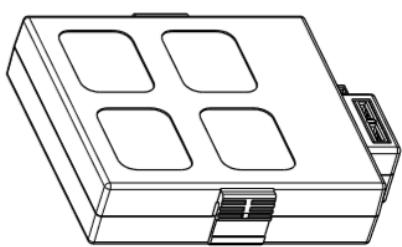
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To avoid injury, STAND CLEAR of and DO NOT touch propellers or motors when they are spinning.

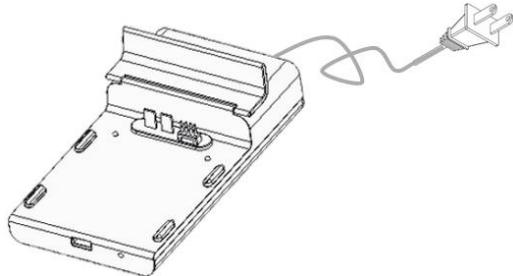
## Battery

### Introduction

Intelligent flight battery, dedicated for Orbit drone, has a capacity of 5100mAh, a voltage of 11.4V and balance management functionality. Intelligent flight battery contains newly designed high performance cells, and an advanced battery management system to supply abundant electric power. Intelligent flight batter must only be charged by a Skye official charger.



Intelligent Flight Battery



Charger

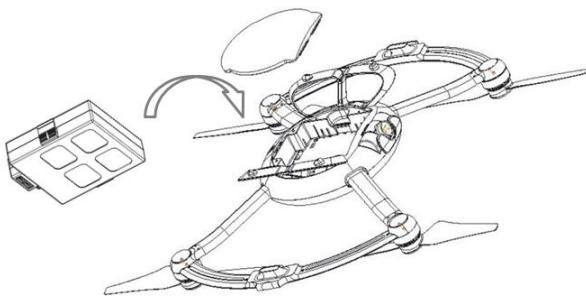
### Intelligent Flight Battery Functions

1. Balanced Charging: Automatically balances the voltage of each battery cell when charging.
2. Overcharge Protection: Charging automatically stops when the battery is fully charged.
3. Charging Temperature Protection: NO charging immediately after usage, wait until the battery cools down.
4. Over Current Protection: The battery stops charging when high amperage (more than 4.5 A) is detected
5. Over Discharge Protection: To prevent over-discharge damage, discharging automatically stops when the battery voltage reaches 9 V.
6. Short Circuit Protection: Automatically cuts the power supply when a short circuit is detected.
7. High voltage charging protection: Battery life can be shortened by frequent charging. Charging does not proceed if a battery has already 90% or more charged.
8. Communication: Information pertaining to the battery's voltage, capacity, current, etc. is transmitted to the 'setup' section of the Skye+ App.



Before the first flight, ensure the battery is fully charged. Before operating the battery, please read and abide to the instruction, liability waiver and sticker on battery surface. Skye does not assume any responsibility for any consequences caused by not following this document.

## Install/Remove Battery



Open the back cover of the drone and push the battery into the matching slot (two clicks on each side to securely lock the battery in place)

To remove, pull the battery while holding the two side clips.

1. When operated under low temperature (-10°C~ -5°C), battery capacity reduces significantly and the flight time is severely reduced as a result. Temperature can be increased by rotating the propeller at a lower speed, and fly can proceed once the temperature is higher. Please fully charge the battery before fly.
2. It is not recommended that the battery be used in extremely low temperature (< -10°C) environments.
3. It is recommended to stop flying if APP prompts "low voltage warning"
4. In low temperature environment, it is recommended to preheat the battery to 5 to 20 degrees.
5. Before flying under low temperature environment, preheat the battery for 1-2min

## Charging

1. Connect the charger to an AC outlet (100~240V, 50/60Hz; If needed, please use a power plug adaptor ).
2. Charger indicator: White light indicates undergoing charging; blue light indicates fully charged status; red light indicates charging anomaly.
3. To prevent damage from frequent charging, capacity >90% won't allow additional charging and charger light turns blue
4. After each flight, wait until battery cools down to charge
5. It takes 1.5 hours to fully charge a battery



Please use the official charger, and charge one device at a time.

Please use the official charger to charge the intelligent flight battery, and Skye does not take any responsibility for non-official chargers.

Switch off the drone before removing the battery.

## **Discharging**

Slow discharging: install the battery and switch on the drone, then stationary discharging is triggered and continues to discharge the battery lower than 30% capacity. Remaining capacity can be read from APP. It is not recommended to turn on the motor to discharge.

Fast discharging : fly outdoor until “low voltage warning” lands the drone.

## Tracker

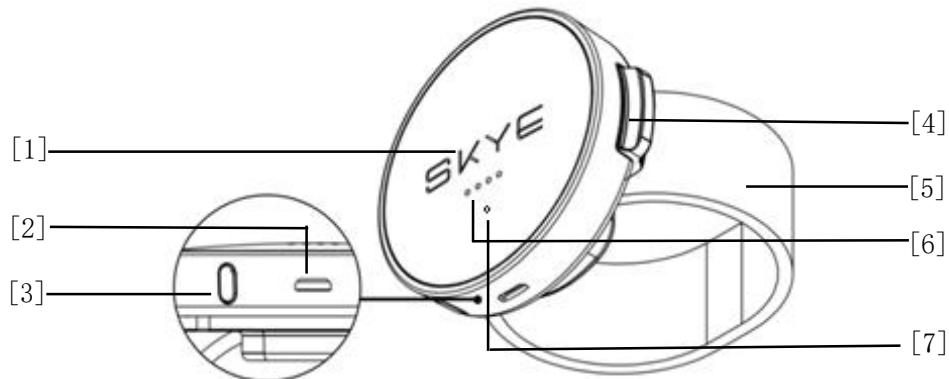
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This chapter introduces functions,  
features and use of tracker

## Tracker Overview

Skye tracker is a hand-held device which serves as data transmitter. Short range data transmission is implemented for certain compatible receivers chosen by users.

## Tracker Introduction



- [1] Skye logo
- [2] Charging port
- [3] Power button
- [4] Tracker base
- [5] Wrist Band
- [6] Indicator
- [7] Charging Indicator

## ON/Off

### Switching on

To switch on, press and hold power button for 4sec. The device switches on successfully when LED light turns on with one beeping sound and one vibration.

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**⚠** If the tracker does not switch on, check the battery level or press and hold power button for 15s.

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### Switching off

To switch on, press and hold power button. Switching off successful when LED lights turn off one by one with beeping sound and vibration.

## Indicator

Indicator has 4 LED lights in a row, to show GPS reception and tracker battery level. The details are summarized as follows:

### GPS indicator

When switched on, 4 LED lights shows the number of effective GPS satellites. It is recommended to operate when the number of effective satellites is greater than 4.

Light (●Indicates ON ○Indicates Off)				Effective # of GPS satellites
●	●	●	●	≥16
●	●	●	○	12~15
●	●	○	○	8~11
●	○	○	○	4~7
○	○	○	○	<4

 Intermittent beeping accompanied by vibration indicates loss of connection between tracker and receiver.

#### Capacity Indicator

Under tracking mode, gently press the power button, then 4 lights indicate the remaining battery capacity. After 3 seconds, the lights return to be GPS indicator. When battery level is low, left-most light blinks.

Light (●Indicates ON ○Indicates Off)				Battery Level
●	●	●	●	75%~100%
●	●	●	○	50%~75%
●	●	○	○	25%~50%
●	○	○	○	5%~25%
○ blinks	○	○	○	Low battery

## Charging

Tracker is powered by a rechargeable battery with duration 2h. To charge tracker, connect charging port with Skye charger. Red indicator shows charging in progress; blue indicator shows charging completed. A full charge takes 1.5h, and please unplug the charger once charged.

## How to use tracker

### Wear

User needs to wear the tracking for tracking

1. Wear the tracking, revealing Skye logo, and make sure no obstruction between receiver and tracker.
2. Check GPS indictor for sufficient reception.
3. Check battery indicator for sufficient charge level.

## Skye+ App

This section introduces the four tabs of the Skye+ app

## Download the Skye+ App

To operate the drone, users must first download the Skye+ iOS app. Scan the following QR code or enter <https://itunes.apple.com/us/app/skye+/id1116011347> in your browser to download the app in Apple Store:

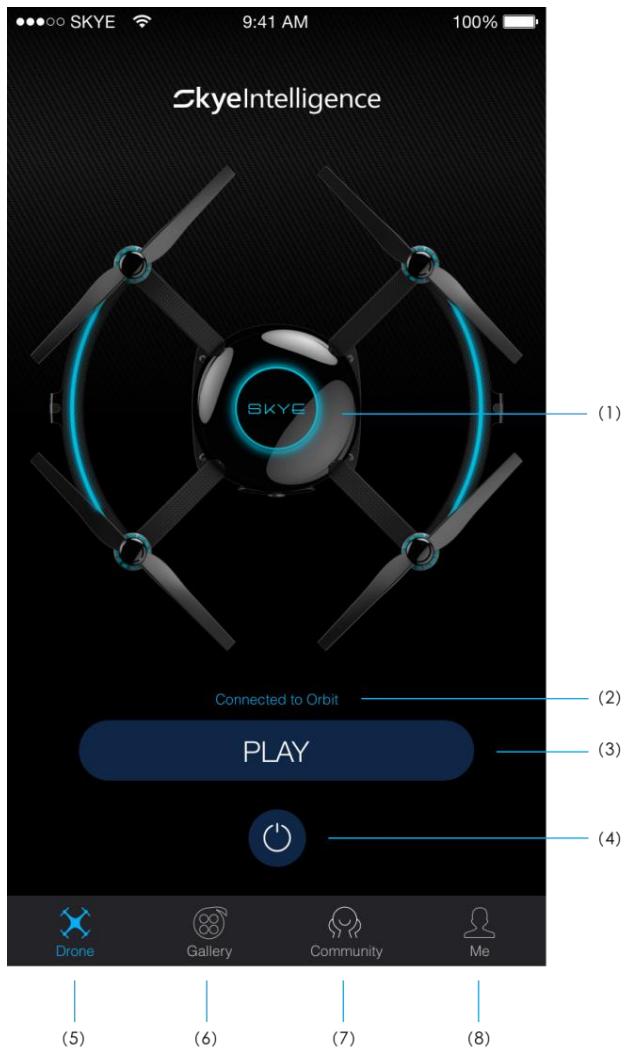


Users can also search for our company "Skye Intelligence" in Apple Store to find the Skye+ app.

 Skye+ app requires iOS 8.0 or above (The android version will be coming soon to Google Play and other major android stores, please check our company website for latest news).

## App Main Screen

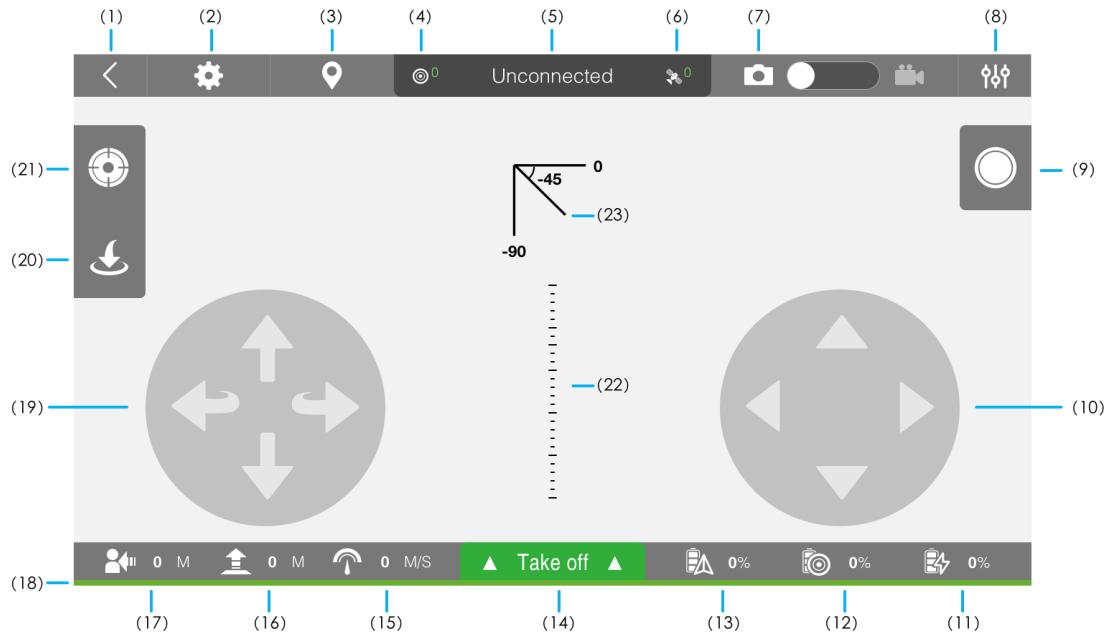
Skye+ is an app specifically designed to work with the Skye drones. Users can use Skye+ to conduct flight control, Gimbal adjustment and photo/video shooting, flight parameter settings, and to turn the drone on/off; users can also use the app to browse and edit the photos/videos from the drone, and share them instantly to social networks at any time.



- [1] Drone connection light
- [2] Drone connection state
- [3] Enter flight control screen
- [4] Power off the drone
- [5] Drone control tab
- [6] Media gallery tab
- [7] Social tab
- [8] Me tab

## PLAY

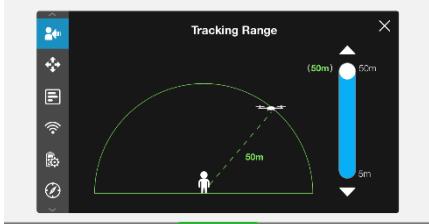
In the "Play" screen, users can perform One-Click Take-off, routine flight controls, One-Click Landing, Auto-Follow Recording and Camera Settings for the drone; users can also view live-streamed images from the drone's first-person perspective.



[1] Back to main screen	[13] Drone battery indicator
[2] Settings	[14] One-Click Take-Off/Landing
[3] Map	[15] Flight speed indicator
[4] Tracker signal indicator	[16] Flight altitude indicator
[5] Wi-Fi connection indicator	[17] Tracker distance indicator
[6] Drone signal indicator	[18] Drone battery progress bar
[7] Photo/Video switch	[19] Flight direction buttons
[8] Camera settings	[20] One-Click Return
[9] Photo Shutter/Video Record	[21] Auto-Follow mode
[10] Flight direction buttons	[22] Gimbal pitch angle adjustment
[11] Mobile device battery indicator	[23] Gimbal pitch angle indicator
[12] Tracker battery indicator	

## Buttons/Icons

Click [2] to select related flight settings.

Settings	App Screenshot	Operating Instructions
Tracking Range		Slide the progress bar up and down to set tracking range (5m ~50m).

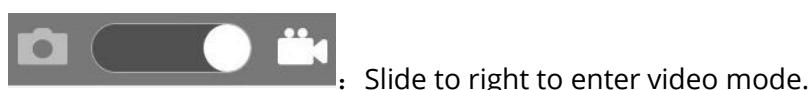
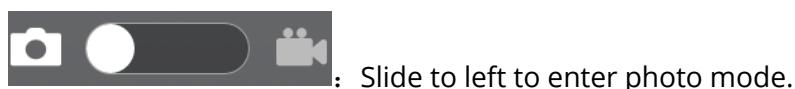
Joystick Setting		Choose between Mode 1, Mode 2, or Mode 3 for the virtual joysticks, or customize based on personal preferences.
Joystick Sensitivity		Choose between a fixed or a moving virtual joystick. Also, select the sensitivity level of the joystick from Low, Medium, to High.
Wi-Fi Setting		Click on "SSID" to change the drone's Wi-Fi name. Click on "Password" to change the network's password (8~16 characters). Click on "Save" to complete setting.
Battery		<p>Est. Time Remaining: remaining flight time based on battery level.</p> <p>Total Capacity: total battery capacity.</p> <p>Remaining Capacity: remaining battery.</p> <p>Battery Life: number of times that the battery can be discharged/recharged before it must be replaced</p> <p>Temperature: Current battery temperature</p> <p>Time Charged: number of times that the battery has been charged</p>

Digital-Compass Calibration		Click on "Start" to start Digital-Compass Calibration.
Remote Control Settings		Click on "Remote control pairing" to start pairing.

Click [3] to display Map. “” indicates the drone’s current location, “” shows the current position of your mobile device.



Click [7] to switch between Photo/Video modes.



Click [8] to display camera settings.

Settings	App Screenshot	Functions
Resolution		Tap on “Resolution” to choose between “Sports” and “HD” setting.
Quality		Set the output quality to “High”, “Middle” or “Low”.
ISO		点击 “ISO” 可选择 “AUTO”、“200”、“400”、“800”、“1600” 不同感光度 Set the “ISO” value to “AUTO”, “200”, “400”, “800” or “1600”.
White Balance		Set white balance to “AUTO”, “Cloudy”, “Daylight”, or “Incandescent”
Optical Frequency		Set the “Optical Frequency” to “50Hz” or “60Hz”.

Reset all		Tap on "Reset all" to reset all camera values.
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Click [9] to take photos or record videos.

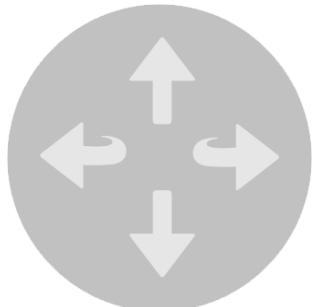


: Click on this button to take photo.



: Click on this button to start/end video recording.

Click [10] and [19] to control the orientation/direction/altitude of the drone. (The Joystick is set to Mode 2 by default)

Button	App Symbol	Control
[10]		<p>Tap on  to tilt forward, and fly forward.</p> <p>Tap on  to tilt backward, and fly backward.</p> <p>Tap on  to tilt leftward, and fly to the left.</p> <p>Tap on  to tilt rightward, and fly to the right.</p>
[19]		<p>Tap on  to lift the drone</p> <p>Tap on  to have it descend</p> <p>Tap on  to turn drone counter-clockwise.</p>

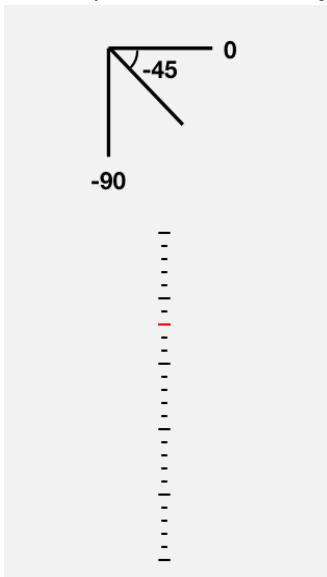
		Tap on  to turn drone clockwise.
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Click on [14] to begin One-Click Take-off/Landing.

 **▲ Take off ▲**: Click on this button to begin One-Click Take-off.

 **▼ Landing ▼**: Click on this button to begin One-Click Landing.

Slide [21] up and down to adjust Gimbal pitch angle ranging from  $-30^\circ \sim -70^\circ$



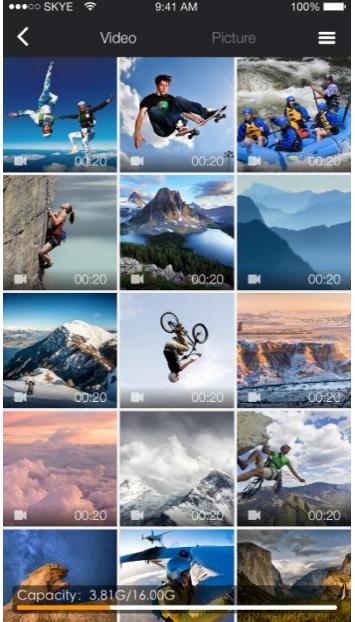
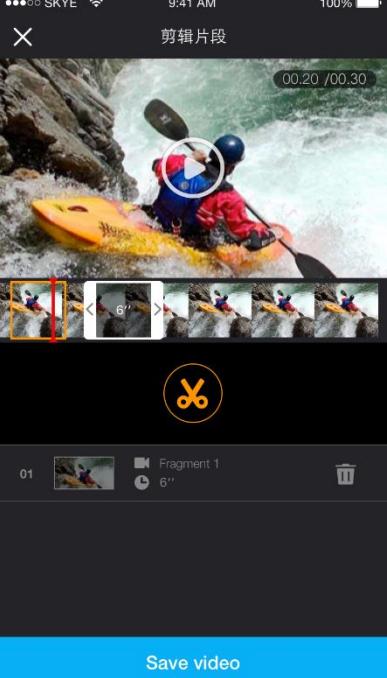
### Connecting Skye+ App with the Drone via Wi-Fi

After powering on the drone, go to the "Settings -> Wi-Fi" on your mobile device, wait until the network with the Drone's SSID shows up, and select it, enter the password, and click on OK to connect. The connection is successful if the Wi-Fi connection indicator in the "Play" screen displays "Connected".

### Gallery



Tap on  to enter the media gallery to browse photos/videos in the SD card, where users can also download, edit, delete, and share the items easily.

Features	App Screenshot	Explanation
Photo/Video Browsing		<p>When connected with the drone, tap on  the upper left corner of the "Gallery" tab to browse through the saved photos and videos.</p>
Video Editing		<p>Select a video in the SD card. While it's playing, users can slide the progress bar below to set a starting and an ending point to cut a clip of max. 10 sec. The cut clip is saved in the "Video" folder of the app.</p>

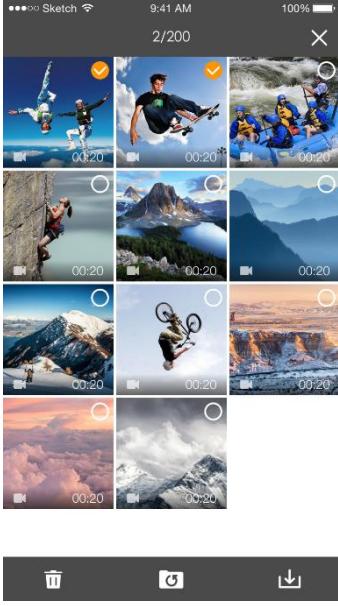
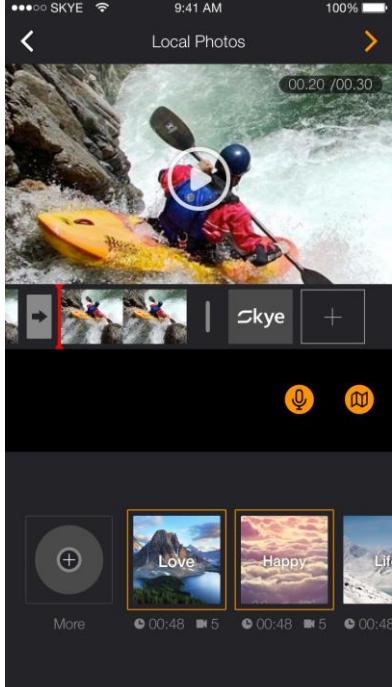
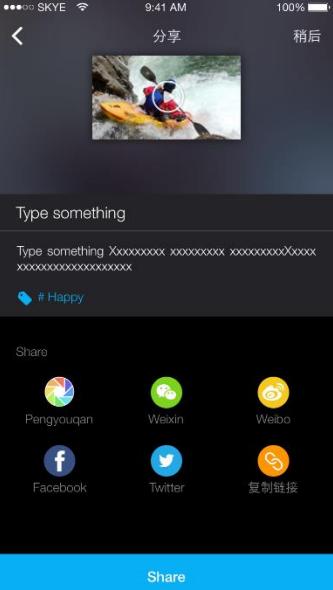
Photo/Video Download and Deletion		<p>When browsing Photo/Video list in the SD card, tap on  to multi-select items, and tap on  to download; or tap on  to delete.</p>
Video Editing		<p>When opening a video in the Gallery, users can edit and compile multiple clips together.</p> <p>Tap on  to add a video</p> <p>Tap on  to turn original sound track on/off</p> <p>Tap on  to open smart editing mode</p> <p>Tap on  to add more music templates</p> <p>Tap on  to select a music template</p>

Photo Editing and Saving		<p>When opening a photo in the Gallery, users can edit the photo by applying different filter to it.</p>
Video sharing after saving		<p>After clicking the "Save" button, the video will be saved into the app's folder on your mobile device, users can also share the video to a social network of their choice.</p>

## Social Community

Tap on the "Community" tab to enter the Skye+ sharing network. Check out current trending photos and videos in the "Popular" section; find out your friends' latest updates in "Follow" section, like them, comment and repost; discover and participate in discussions, activities with other Skye users in "Find" section.

## Me

Go to your personal profile setting page in the "Me" tab. Users can register new Skye accounts and login. Once logged in, users can purchase new Skye products, manage personal settings, update firmware, access Help, and contact customer support, and etc.

## Firmware Upgrade

Go to “Me->Firmware Updates -> Download updates” to download the latest firmware, and click “Install” to update after download is complete. Users can “Clear old packages” to remove past packages.

## Powering Off the Drone

Once connected to the drone, users can tap on  in the main screen of the Skye+ app to power it off.

## Flight

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Once drone is successfully assembled,  
please read this manual carefully. Please  
test-fly the drone in open area  
following the instructions here within  
or under the guidance of a professional.  
Please familiarize yourself with necessary  
flying techniques by practicing adequately  
before flying regularly or operating in  
Auto-Follow mode. Please choose a safe  
flight environment, and fly within required  
distance and altitude.



Please read "Skye Disclaimer and Safety Instructions" prior to operation

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## Flight Restrictions & No-Fly Zones

### Flight Restrictions

Skye+ app direct control range < 50m

Max. remote control range: 200m

Tracker operation range: 5m~20m

### No-Fly Zones

No-Fly zones include airports and other flight-restricted areas.

## Flight Environment Requirements

1. Please do NOT operate within No-Fly zones, e.g., airport, restricted military areas and etc.
2. Please do NOT operate under severe weather conditions, e.g., heavy wind (10m/s and up), rain, snow, fog, and etc.
3. Please do NOT operate in heavily populated areas. This may lead to flight accidents and cause third-party damages.
4. Please choose to fly in open, unobstructed areas. Please do NOT fly between tall buildings.
5. Please do NOT operate near power lines or cell phone towers. Places as such can cause interferences to flight control signals.
6. Please do NOT operate over reinforced concrete ground, or near iron towers/mines. Such environments can cause interferences to digital compass, and thus lead to unstable flight behaviors.
7. When flying over water or glass surface, please be sure to select corresponding scenario in the flight settings screen in the Skye+ app.

## Preflight Preparations

1. Make sure the smart battery, remote control, tracker and your mobile device are adequately charged.
2. Make sure propellers are installed correctly. Please refer to the propeller installation section of this manual.
3. Make sure the Skye+ app on your mobile device is running correctly.
4. Make sure electric motors are functioning properly after the drone is powered on.
5. Make sure Gimbal is functioning properly after the drone is powered on.
6. Make sure GPS signal reaches at least 6 stars after the drone is powered on.

## Powering On/Off

### Power On

1. Open the back cover and insert battery. The battery is secured once it clicks on both sides in the drone, then put the lid back on.
2. Place the drone upright on even ground, and long-press your palm on the upper lid for 5 seconds. The drone is successfully powered on once the blue indicator light comes up.



Please don't move the drone during powering-on process

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### Power Off

There are 2 ways to power off the drone, i.e., via the Skye+ app and by long-pressing on the upper lid.

1. Via the Skye+ app: After landing, tap on the "<" button on the upper-left corner of the flight control screen to go back to the main screen, and then tap on the "OFF" button. The drone is turned off after the blue indicator light blinks 3 times in 10 secs.

2. Manually: After landing, long-press your palm on the upper lid for 10 secs. The drone is turned off after the blue indicator light blinks 3 times.

## Connecting the drone with your mobile device

1. Turn on the device, make sure the blue indicator light is on.
2. Wait for 40 secs for the blue indicator light to turn from a solid state to a "breathing" state.
3. On your mobile device, go to "Setting -> Wi-Fi", choose the "Skye-xxxxxx" network, and enter the password "12345678" to connect. Connection is successful once the blue indicator light on the upper lid turns from the "breathing" state to the solid state. (The default password of the device Wi-Fi is 12345678, we recommend changing this password in the Skye+ app during your initial flight, please refer to the App section of this manual.)

## Digital Compass Calibration

When you operate the drone for the first time and whenever you fly at a new location, you need to calibrate the digital compass to ensure safe a flight. The digital compass is susceptible to interferences from other electronic devices, and can have unstable behaviors and accidents. This can be prevented by having frequent calibrations.

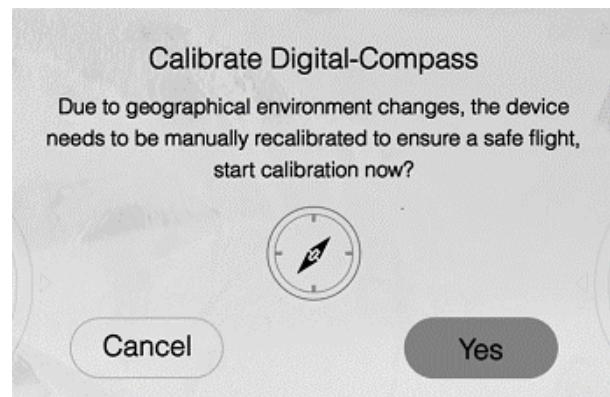
### Cautions



1. Please avoid iron mines, parking lot, high-voltage cables, reinforced concrete ground, and other areas that might have strong magnetic fields during calibration.
2. Please avoid carrying iron object like keys on you during calibration.
3. Please do not calibrate indoors.

## Steps

1. Power on the device properly.
2. Go to the Skye+ app, and enter the flight control screen by tapping on the "Play" button. A calibration reminder dialog will show up, tap on "Yes" to start (If you are flying at the same location where calibration has been done before, the system will record campus data, reminder dialog is then skipped) .



3. Hold the device upright, and rotate the drone horizontally 3 times until the indicator light in the Skye+ app turns from yellow to Green. Tap on "Next" to continue.



未校准



正在校准



校准完成

4. Hold the drone sideways with camera facing down, and rotate the drone 3 times until the indicator light turns from yellow to Green. Tap on "Complete".



### When to re-calibrate?

1. The flight location is far from the previous location where it's last calibrated.
2. Mechanical structure of the drone has been modified.
3. The drone exhibits severe drifting behaviors, and cannot fly in straight line.

## One-Click Take-Off/Landing

### Take-off

1. Place the calibrated device upright on even and open ground, and make sure the rear end of the drone faces the user.
2. Make sure the mobile device is connected to the drone via Wi-Fi.
3. Open the Skye+ app, tap on "Play" button to enter the flight control screen, make sure the Wi-Fi connection indicator shows "Connected", and the GPS signal level should read 6 or higher and live-streamed images are correct.
4. Tap on "Take Off", make sure flight conditions are safe, and slide to the right to confirm.
5. The drone will automatically takeoff and hover at about 3m altitude above ground.

### Landing

1. Fly the drone to an open area with even ground and safe enough for landing.
2. Tap on "Landing", make sure the conditions are safe, and slide to the right to confirm.
3. The device will automatically land, and the propellers will stop.
4. Users can take back control during the process of landing should there be an emergency. Once user stops maneuvering the virtual joysticks, the drone will

automatically execute landing again.



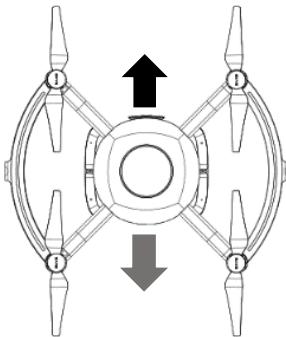
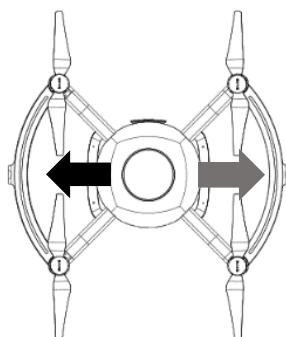
1. Uneven grounds can lead to unstable takeoff, and possible flight accidents.
2. Takeoff and Landing should be carried out in open area, the users should keep adequate safe distance from the drone.

### Flight by the Skye+ app

By using the Skye+ app, you can conduct basic short-range flights. In the Settings panel of the flight control screen, you can set the Joysticks to Mode 1, Mode 2, Mode 3 or customized mode based on personal preferences. Please refer to the App section of this manual for details. This section is illustrated by using Mode 2.

1. Power on the drone.
2. Open Skye+, select the Joystick mode and the sensitivity level in the Settings screen, save, come back to the flight control screen, and click to take-off.
3. Once the drone enters a stable hovering state, users can start to operate it with joysticks as follows:

Button	Flight Attitude	Joystick Control
		Throttle controls the speed of the rotors, provide lift and descent: Tap on  to lift the device Tap on  to have it descend
		Rudder (Yaw) changes the direction the drone faces: Tap on  to turn device counter-clockwise. Tap on  to turn drone clockwise.

		<p>Pitch controls whether to fly forward or backward:</p> <p>Tap on  to tilt forward, and fly forward.</p> <p>Tap on  to tilt backward, and fly backward.</p>
		<p>Roll (Aileron) controls whether to fly leftward or rightward:</p> <p>Tap on  to tilt leftward, and fly to the left.</p> <p>Tap on  to tilt rightward, and fly to the right.</p> <p>◦</p>

## Auto-Follow Mode

1. Put the tracker on (Please refer to the Tracker section of this manual), and long-press the power button for 4 secs to turn it on.
2. Open Skye+ app, check the tracker batter level and distance "D" in the "Play" screen to make sure the it is functioning properly.
3. Take-off the drone in open area after the indicator lights on the tracker show at least one star.
4. Keep the drone at least 5m away from the auto-follow target.
5. Adjust the drone to point to the target, adjust the Gimbal pitch angle by using the  slider in the flight control screen, so that the target is in the center of the screen.
6. Tap on the  button on the upper left corner of the flight control screen, and

draw a closed-shape that encompasses the target as illustrated below. Selection fails if the resulting rectangle is red, whereas selection succeeds if it's Green. The tighter the resulting rectangle encompasses the target, the better. You can repeat the selection process multiple times, and tap on "YES" to confirm, and then the drone goes into auto-follow mode.



7. 中途追踪失败请向右滑动“Solution Screen”退出追踪模式，如需继续追踪请从步骤 5 开始重新选择目标进行追踪。
8. 追踪结束向右滑动“Solution Screen”退出追踪模式。
7. Should the drone lose the target during the process, slide “Unlock” to the right to exit auto-follow mode, and restart from step 5 to select target again.
8. Once the user finishes, slide “Unlock” to the right to exit auto-follow mode.



1. There can only be one device within the 100m radius range while being operated in auto-follow mode.
2. Target should be in unobstructed view of the drone during the entire flight.

## Photography/Video Recording

Photo and video shooting feature includes:

1. When within the connection range, users can view live-streamed images from the drone on the Skye+ app during the course of the flight.
2. The high-resolution photos and videos are automatically stored into the drone.
3. By using the Skye+ app, users can transfer the photos and videos to their mobile devices, edit them, and share them to different social networks.

This section focuses on explaining how the drone takes photos and videos via the Skye+ app.



Photo mode



Video mode



Shutter/Start recording



End Recording

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### Photography/Video Recording during regular flight mode

When the drone is being operated by the app in regular flight mode, users can select photo mode and press the shutter button to take photos at any time. Users can switch to video mode, and press the shutter button to start recording, and press it again to end recording.

### Video Recording during Auto-Follow mode

Users need to first press the shutter button to start recording before going into auto-follow mode. Once the users exit from the auto-follow mode, press the shutter button again to end recording.

### Photography/Video Recording when operated by remote control

When operated by a remote control, the drone must be within the 50m radius for the Skye+ app to be able to take photos and videos.

### One-Click Return

The drone can automatically return to its take-off location by using the One-Click Return button in the Skye+ app or on the remote control.

Users can trigger one-click return when the drone is in the air above open ground, the drone will suspend its current operations and raise 20m further in altitude, and then return back to the take-off location of this flight via a direct route, and land by itself. This process is completely automatic; the drone will keep hovering if the user cancels the return order. Note that the drone does not avoid obstacles by itself during the course of the return flight. The users can take back control by exiting from the return mode.

### Automatic Hovering

When connection is lost to the app or the remote control, the drone will automatically hover above its location, and lands by itself once the smart battery level is below certain level. If drone regains connection, the users can still use the app or the remote control to take back control.

### Smart Low-Battery Landing

When drone battery is low, the user should land the drone in time to avoid dangerous

situations due to battery outage. When the drone battery is below 15%, the drone will land by itself.

Users can read the drone battery level in the Skye+ app; when below 30%, the drone battery indicator in the app will turn red; when below 20%, the indicator will turn red, and the app will sound the alarm; when below 15%, the app will automatically land the drone.

Battery Indicator	App Warnings	Flight Behavior
>30%	None	Enough battery, users can enjoy full features.
≤30%	indicator turns red	Battery low, users should beware of flight distance and altitude, and prepare for landing.
≤20%	indicator turns red, and sounds alarm.	Battery extremely low, users should beware of flight distance and altitude, and prepare for automatic landing as drone starts to hover.
≤15%	indicator turn red, and sound alarm	Drone starts automatic landing

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★Users can still adjust the drone by using the app or the remote control to a suitable location for landing.

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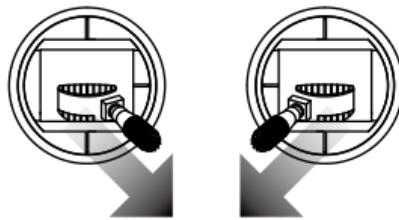
## Failsafe Hovering

When control signal is lost during flight, the drone will hover above its current location. Users can continue to control the drone once it regains connection with the app or the remote control.

## Flight by Remote Control (Optional)

### Starting the Motors

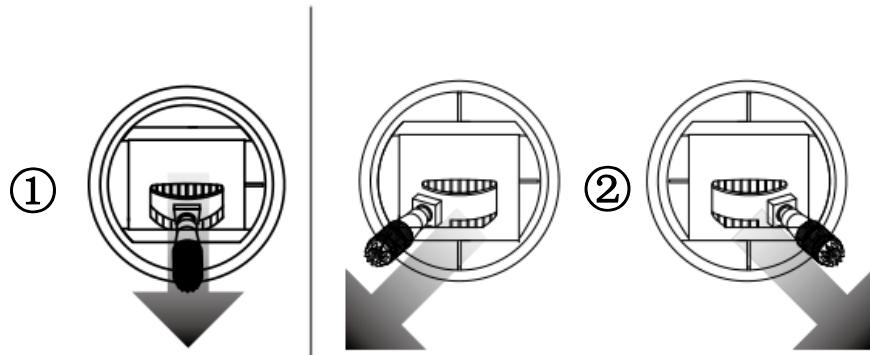
A Combination Stick Command (CSC) is used to start the motors. Push both sticks to the bottom inner corners to start the motors. Once the motors have started spinning, release both sticks simultaneously.



### Stopping the Motors

After landing, push the throttle down ①, and then push both sticks to the outer corners

②. Motors will stop immediately. Release both sticks once motors stop.



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### Basic Flight Steps

1. Place drone upright on an even ground, with the rear end facing the user.
2. Power on the drone, and turn on the remote control.
3. Calibrate digital compass in the Skye+ app.
4. Perform remote control frequency pairing (Please refer to "Remote Control" section).
5. Start the motors.
6. Hold the throttle up slowly to steadily lift up the drone.
7. Control the drone by remote control (Please refer to the "Remote Control" section).
8. To land, hold the throttle down slowly to allow the drone to descend to even ground steadily.
9. After landing, stop the motors.
10. Power off the drone and the remote control.

## **FAQ**

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**Q: How close can Skye Orbit fly from me?**

A: For the sake of safety, the closest following distance is 5m.

**Q: Can Skye Orbit track other object?**

A: Yes, just pass her/him/it the tracker.

**Q: Are Skye Orbit and the tracker waterproof?**

A: The Orbit is not waterproof but it works in light rain. The tracker is rainproof but doesn't work underwater.

**Q: How about the device compatibility of Skye+ app?**

A: The Skye+ app is currently compatible with mobile devices running iOS 8.0 or higher.

The android version will be coming soon to Google Play and other major android stores, please check our company website for latest news.

To operate the drone, users must first download the Skye+ app. Scan the following QR code or enter <https://itunes.apple.com/us/app/skye+/id1116011347> in your browser to download the app in Apple Store:



Users can also search for our company "Skye Intelligence" in Apple Store to find the Skye+ app.

**Q: How to share edited videos on social media like Facebook?**

A: Please sign up for a personal account on the "me" page of Skye+ app. Login to your account and start editing your videos. When you finish editing and save a video, you will be notified whether to share it or not.

**Q: What to do if a firmware update failed?**

A: Please download the latest firmware version. After download finishes, connect Skye+ app with your drone and complete the firmware upgrade with one-click installation.

**Q: How to contact you?**

A: If you have any question, please email us at [support@skye-intelligence.com](mailto:support@skye-intelligence.com). We are always here to help you.

## Appendix

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## FCC Compliance

**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.**

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

## Compliance Information

### FCC Warning Message

Any 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.**

### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: 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.**

## IC Compliance

### IC RSS warning

This device complies with Industry Canada licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent areil est conforme aux CNR d'Industrie Canada licables aux areils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'areil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'areil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

### IC Radiation Exposure Statement:

This equipment complies with IC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

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

The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5 725-5 825 MHz)

doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissancesont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5 250-5 350 MHz et 5 650-5 850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

## Safety Warnings

**WARNING**  
HAZARDOUS MOVING PARTS  
KEEP FINGERS AND OTHER  
BODY PARTS AWAY

**CAUTION**  
**RISK OF EXPLOSION IF BATTERY IS REPLACED  
BY AN INCORRECT TYPE.**  
**DISPOSE OF USED BATTERIES ACCORDING  
TO THE INSTRUCTIONS**

## WEEE Directive



- Correct Disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU.
- To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.