

Remote Controller

V 1.0



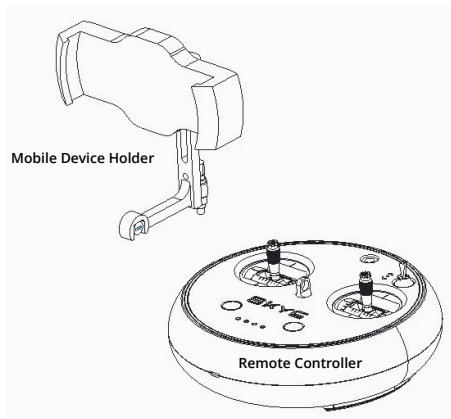
Remote Controller Profile

The Orbit remote controller is a wireless communication device that integrates the Orbit remote control system. The remote control system operates at 2.4 GHz.

Operating Mode: Control can be set to Mode 1 or Mode 2, or to a custom mode by the Skye+ app.

Mode 1: The right stick serves as the throttle.

Mode 2: The left stick serves as the throttle.



Using the Remote Controller

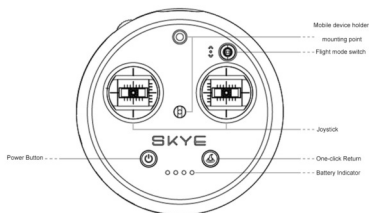
Turning the Remote Controller On and Off

The Orbit remote controller has a capacity of 520 mAh rechargeable battery. The battery level is indicated via the Battery Level LEDs on the front panel. Follow the steps below to turn on your remote controller:

1. Press and hold the Power Button for 2 seconds to turn on the remote controller, the remote controller will beep when it is turned on.
2. The battery level is displayed via LED indicators on the front panel of the remote controller. Please charge the remote controller using the included charger when the controller in low battery level.
3. Repeat Step 1 to turn off the remote controller.

Battery Level:

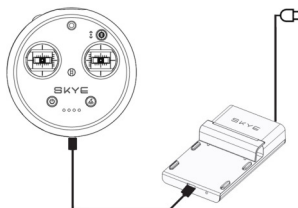
The battery level is displayed via LED indicators on the front panel of the remote controller:



Battery Level Indicators (●ON ○OFF)				Battery Level
●	●	●	●	75% ~ 100%
●	●	●	○	50% ~ 75%
●	●	○	○	25% ~ 50%
●	○	○	○	0% ~ 25%
○	○	○	○	=0%

Charging The Remote Controller

Charge the remote controller using the included charger refer to the figure below:



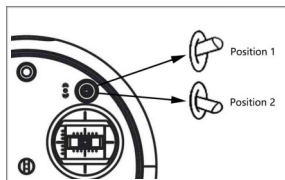
Adjust the tilt of the gimbal:

Users can use this dial to control the tilt of the gimbal:

Dial	Gimbal	Remarks
		Push the dial clockwise, the camera rotates upward. The more the dial is pushed away from the center position, the faster the camera rotate.
		Pull the dial anti-clockwise, the camera rotates downward. The more the dial is pulled away from the center position, the faster the camera rotate.

Flight Mode Switch

Toggle the switch to select the desired flight mode:



	Position	Flight Mode
Position 1		GPS Mode
Position 2		Attitude Mode

GPS Mode: The drone utilizes the GPS System to automatically stabilize itself, it works best when the GPS signal is strong.

Attitude Mode: The drone will only use its barometer for positioning to control the attitude, the Auto-return function still working when the GPS signal is available.

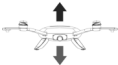
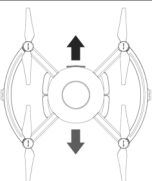
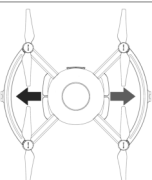
Controlling Orbit

This section explains how to control the orientation of the Orbit through the remote controller. The Remote Control is set to Mode 2 by default.



Stick Neutral/Mid-Point: Control sticks are in the center position.

Moving The Control Stick: The control stick is pushed away from the center position.

Remote Controller (Mode 2)	Flight Attitude	Remarks
		Moving the left stick up and down changes the drone's elevation. Push the stick up to ascend and down to descend. When both sticks are centered, the Orbit will hover in place. The more the stick is pushed away from the center position, the faster the Orbit will change elevation. Always push the stick gently to prevent sudden and unexpected elevation changes.
		Moving the left stick to the left or right controls the rudder and rotation of the drone. Push the stick left to rotate the drone counter-clockwise, push the stick right to rotate the drone clockwise. If the stick is centered, the Orbit will maintain its current orientation. The more the stick is pushed away from the center position, the faster the Orbit will rotate.
		Moving the right stick up and down changes the drone's forward and backward pitch. Push the stick up to fly forward and down to fly backward. Orbit will hover in place if the stick is centered.
		Moving the right stick control left and right changes the drone's left and right pitch. Push left to fly left and right to fly right. The Orbit will hover in place if the stick is centered.

One-click Return

Press and hold the One-click Return button to start the One-click Return procedure. The Remote Controller will beep and the LED indicator will blink to indicate that the drone is entering the One-click Return mode. The drone will then return to the last recorded Home Point. Press this button again to cancel the One-click Return procedure and regain control of the drone.

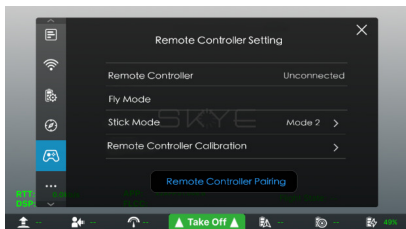


Remote Controller Pairing

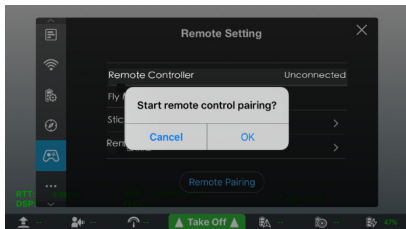
When the Remote Controller is turned on, it will detect the pairing status with the Orbit, if the controller is not paired with the drone, the Sky+ app will pop up a pairing window as below:

Remote Pairing Procedures

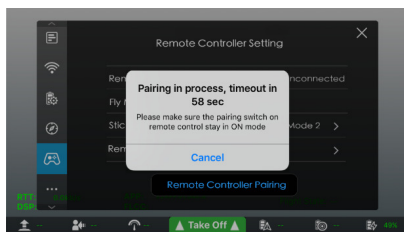
Enter Settings screen and click Remote Controller Setting.



Step 1. Click "Remote Controller Pairing"



Step 2. Click OK to start remote control

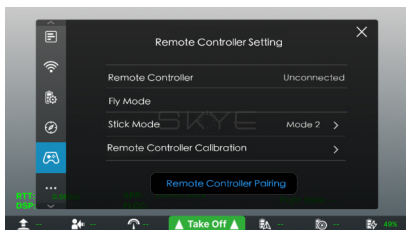


Step 3. Pairing in process

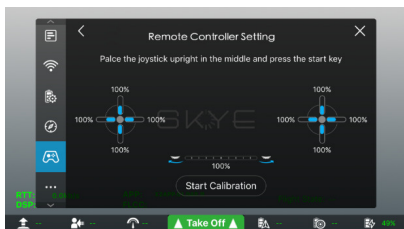
Remote Control Calibration

Calibration is required after pairing successful.

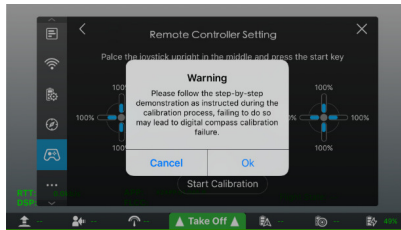
Step 1. Click "Remote Controller Calibration" to enter the calibration screen.



Step 1. Click "Remote Controller Calibration" to enter the calibration screen.



Step 2. Click "Start Calibration"



Step 3. A warning is displayed to notice users to follow the instructions.



Follow the instruction to start the combination stick command process until it shows "Calibration succeed"



1. Users MUST pair the Remote Controller via Skye+ app before first use.
2. Make sure only one Remote Controller is on while paring.

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Any Changes or modifications not expressly roved 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:

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 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

SAR tests are conducted using standard operating positions accepted by the FCC (IC) with the product transmitting at its highest certified power level. Before a new product is a available for sale to the public, it must be tested and certified to the FCC (IC) that it does not exceed the exposure limit established by the FCC (IC). For body-orn operation, this product has been tested and meets the FCC (IC) RF exposure guidelines when used with an accessory designated for this product or when used with an accessory that contains no metal.

Non-compliance with the above restrictions may result in violation of RF exposure guidelines.