FEEBY

USER MANUAL

HELSEL

Index

1. Safety warning

Do not put your hand in the protective shell before the motor comes to a complete stop.

Don't fly at someone's face. They may be injured or their long hair may get caught in the spinning propellers.

Disconnect the battery or remove the propellers during inspection and maintenance.

Always have someone with you when charging the battery, and always disconnect the charger when you leave.

Do not leave the battery in a hot environment, and do not continue to use or charge a swollen battery.

Follow local laws and regulations when disposing of batteries.

2. Precautions

The intellectual property rights to this product and manual are reserved by HELSEL and may not be reproduced, copied, or published by any organization or individual without written permission. If quoted or published, Helsel must be credited as the source, and the manual must not be quoted in a manner different from its original intent.

This User Manual is provided as an online page and will be updated without notice to improve performance and ease of use.

This product is intended for indoor flight.

Strong impacts may damage the outer protective shell.

This product is not waterproof.

Do not disassemble, replace and repair arbitrarily with non-original parts.

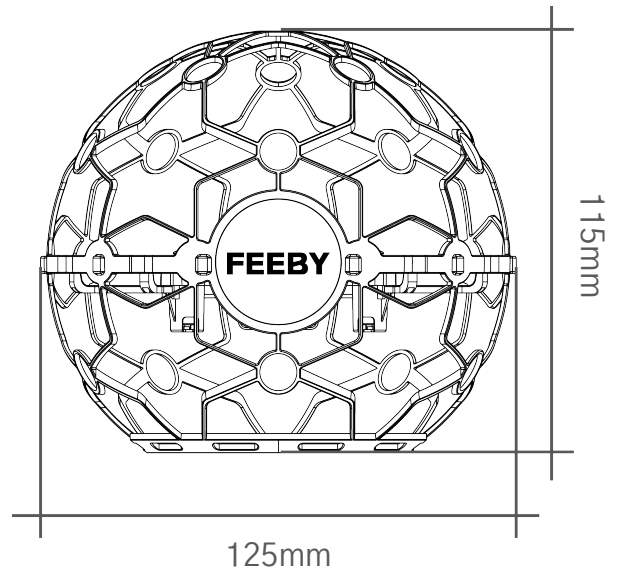## 3. Specification

External dimensions: 125 * 125 * 115 mm

Take–off weight: 45g

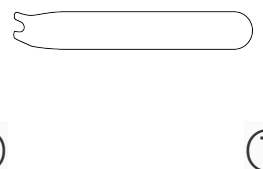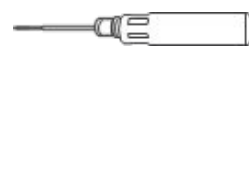Control range: 30 meters

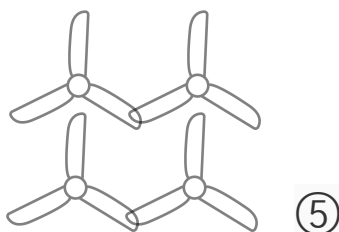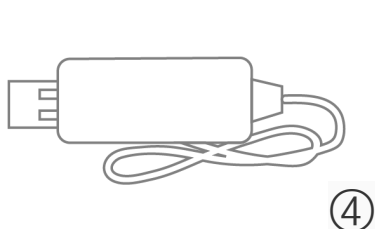Battery capacity: 450mAh 3.7V LiPo battery

Hovering time: 5 minutes

Operating Temp: 20 ℃ ~ + 50℃

115mm

125mm

4. Product configuration

① FEEBY x1   ⑤ Prop x4

② Controller x1   ⑥ Driver x1

③ Battery x1   ⑦ Prop remover x1

④ Charger x1   ⑧ Manual x1

①

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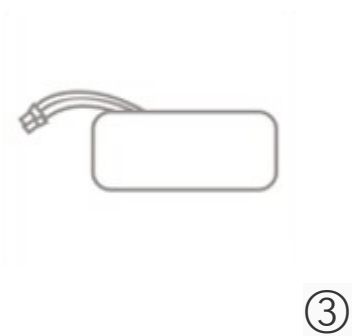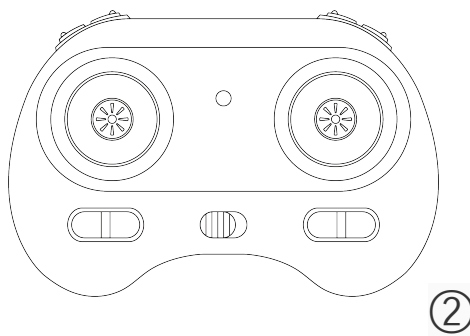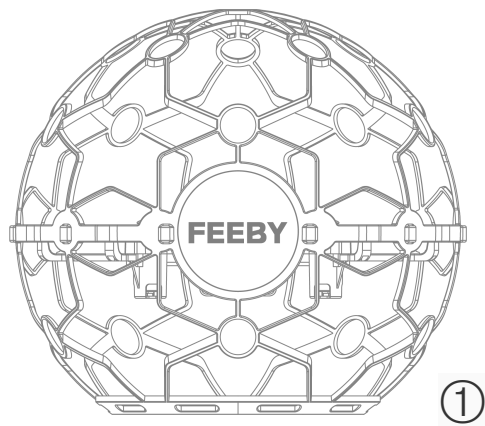
5. Controller button descriptions
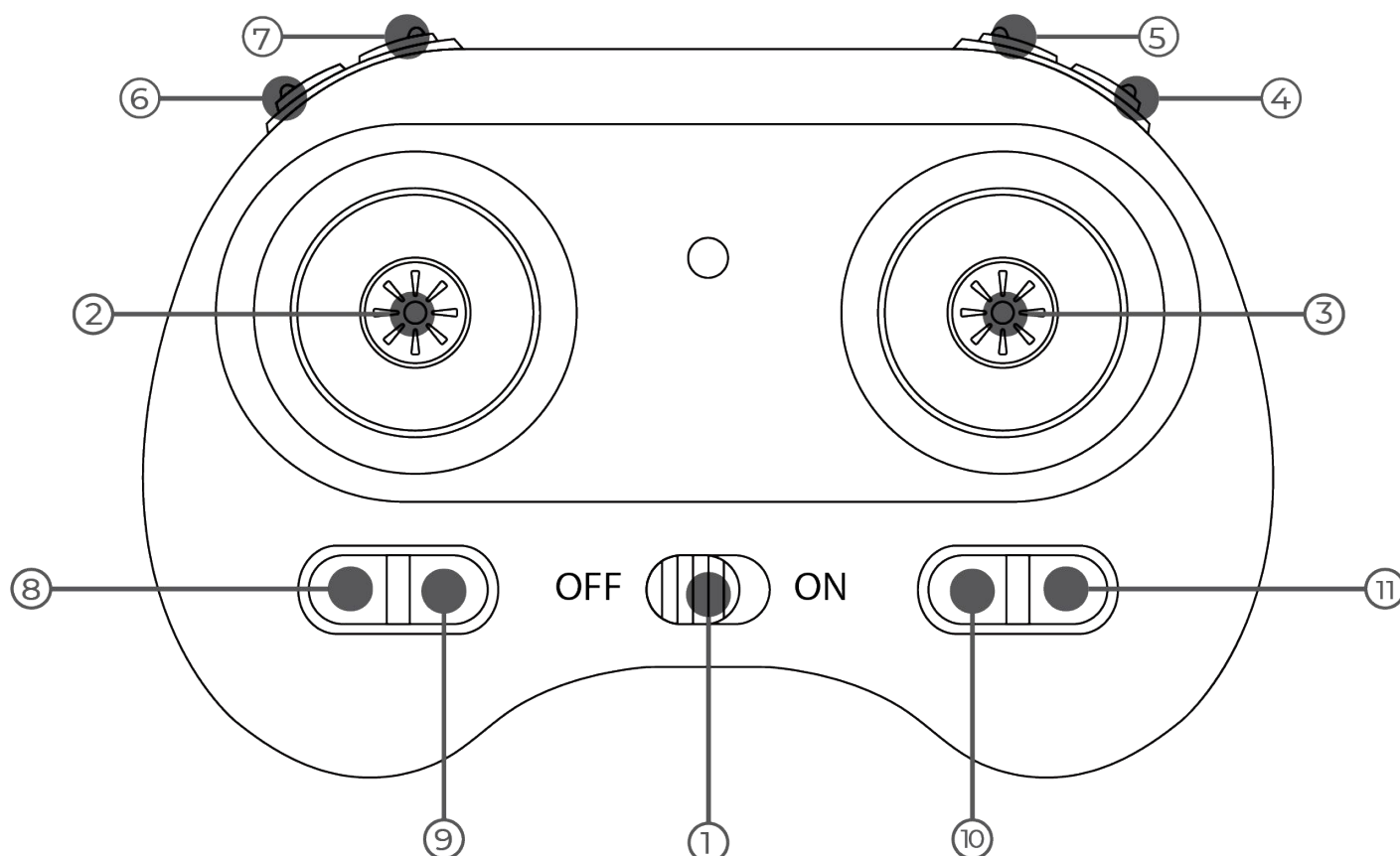
No.	Designation	Move	Note
1	Power ON / OFF	Power ON/OFF	
2	Left stick	Rise, fall, and rotate left and right	Default Mode 2
3	Right Stick	Move forward/backward, left/right	
4	One−touch takeoff/landing	Auto Takeoff/Landing	Use after motor startup
5	Speed	1 to 3 speed adjustments	Works with beeps
6	Motor Start/ Emergency Stop	Short press to start the motor	To stop the motor, press and hold for 2 seconds.
7	Flip	Rotate 360 degrees with a warning beep	
8+3	Trim	Press button 8 and move stick 3 at the same time. To adjust forward, backward, left, or right, do this	

5. Controller button descriptions
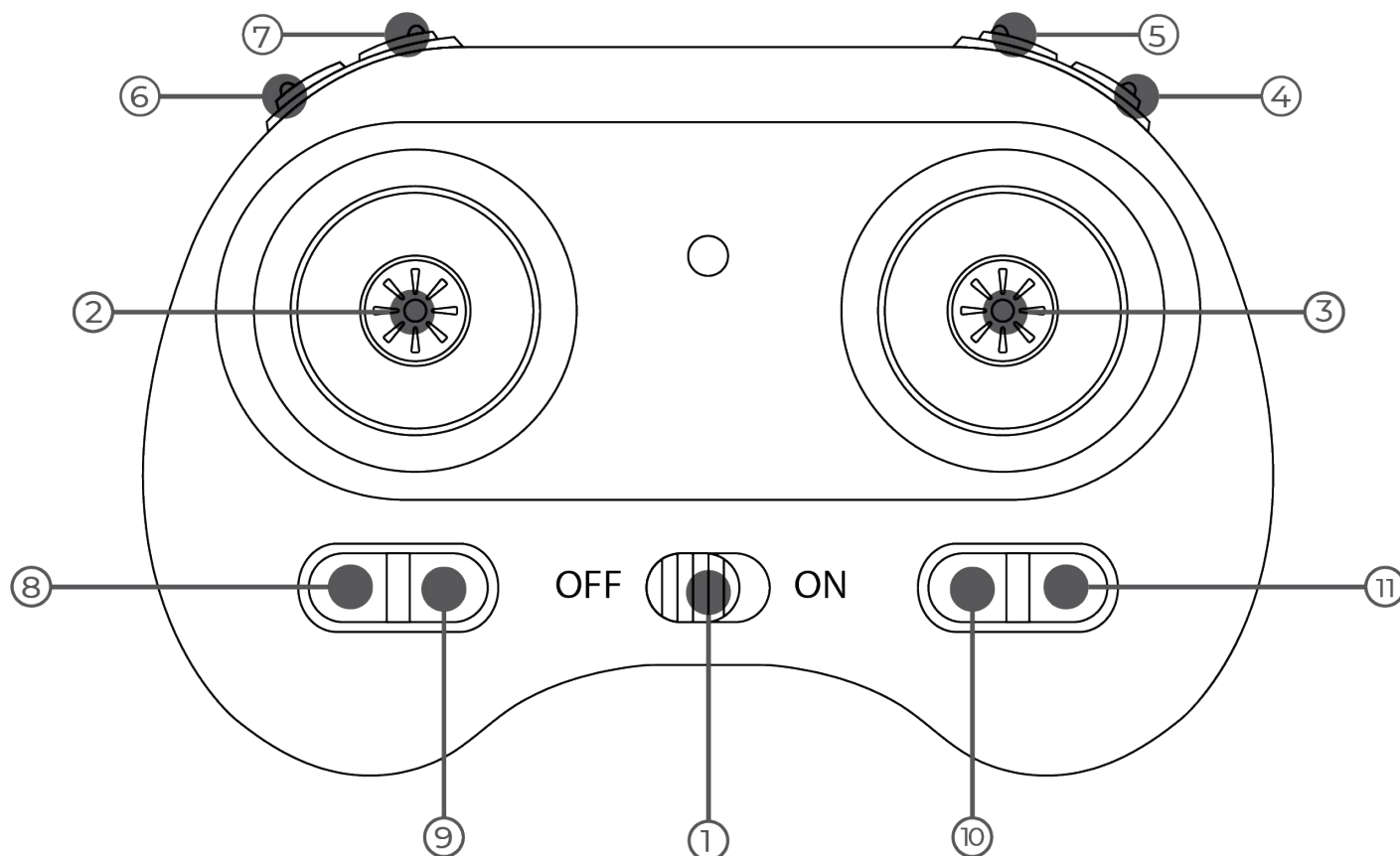
No.	Designation	Move	
9	Altitude ON/OFF	Altitude ON/OFF	Attitude off, the center led flash
10	Rotation recovery mode	Turn rotational recovery mode on/off	The head is automatically repositioned after a crash.
11	LED color	The LED changes with each press.	8 light display modes
1+5	Change modes	Press button 5 and power on to change to mode 1.	Right Stick Throttle
2+6	Emergency stops	Keep the throttle at the lowest level and press button 6 to activate the emergency stop.	

STEP. 03

IMU Calibration

It is recommended to perform IMU calibration before takeoff. Level FEEBY and enter IMU calibration by simultaneously moving the left and right joysticks to the lower right corner as shown.
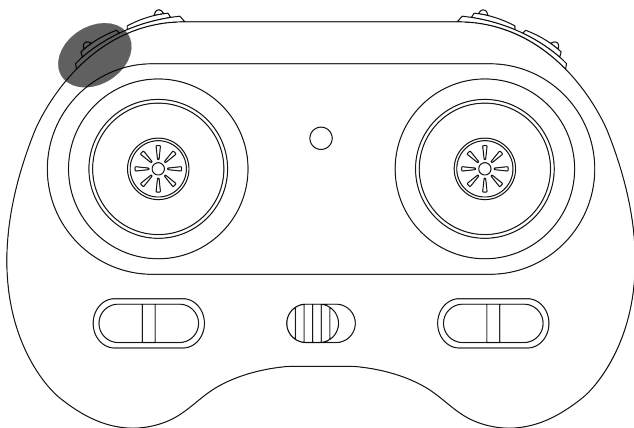
The FEEBY's tail lights will flash rapidly, wait 3 seconds and the remote will beep and the tail lights will stop flashing, indicating that the calibration is complete.
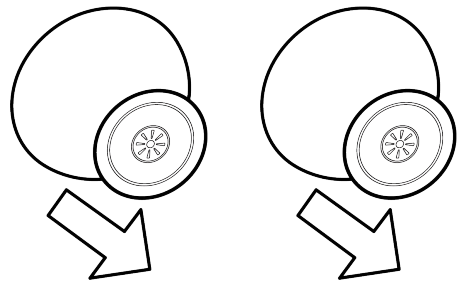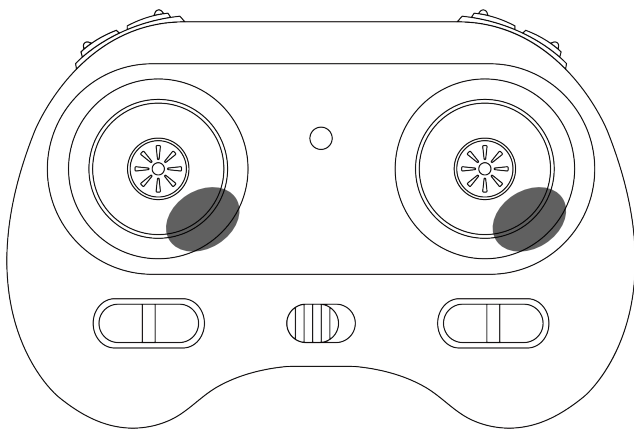
STEP. 04

How to Start

With the controller and FEEBY connected, press the motor start button (top left [6]) on the controller to spin the motors. Move the throttle stick up to take off.

We recommend taking off in altitude hold mode and switching to leveling mode as needed. (Takeoffs in leveling mode are not recommended).

STEP. 05

How to stop the motors

There are **three ways** to stop the motor: (Default on Mode 2)
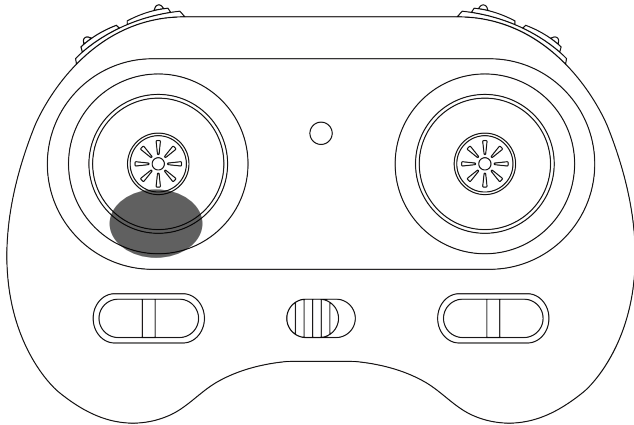
In altitude mode, if the throttle stick (left stick) is pushed all the way down and held for more than 2 seconds, the motor will stall and shut off.
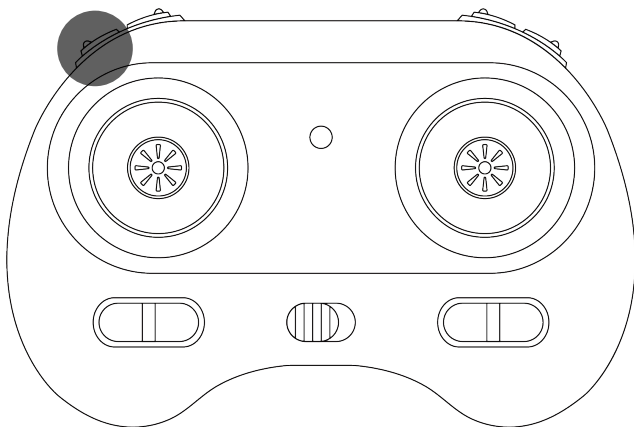
Emergency Stop
To stop FEEBY in an emergency, you can press and hold the top left button (6) for 2 seconds to activate the emergency stop function.
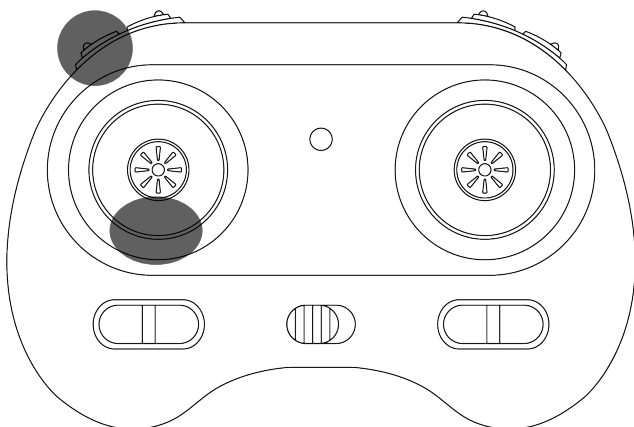
Emergency Stop
To emergency stop FEEBY, you can push the throttle stick (left stick) all the way down and press the top left button (6) to activate the emergency stop function.

STEP. 06

Change modes
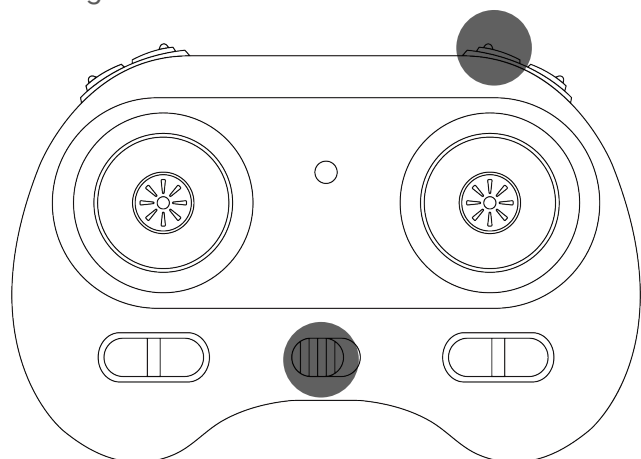
Before powering up FEEBY, hold down the speed control button (top right [5]) on the controller to change modes when you power it up.

STEP. 07

Trim
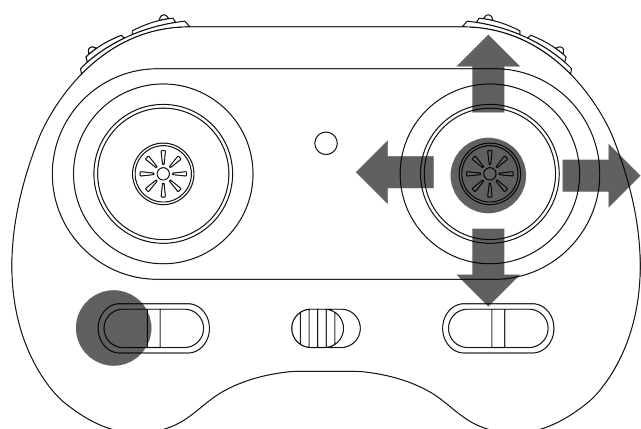
If you are hovering in flight and the FEEBY is drifting in one direction, you need to set trim.
Press and hold the trim button on the controller (bottom left [8]) and move the right stick [3] of the controller.
You can move it in the following directions: forward, backward, left, and right.

STEP. 08

Mode Description / Mode 2

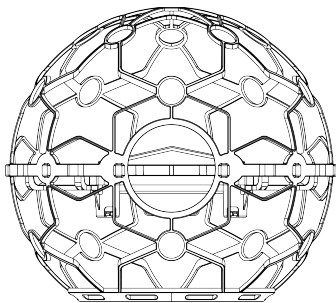The controller defaults to the **Mode 2 setting.**

Mode 2 features: Left (Up/Down), Right (Forward/Backward)

Mode 1 features: Left (Forward/Backward), Right (Up/Down)

Left Stick
Up
Down
Turn left   Turn right
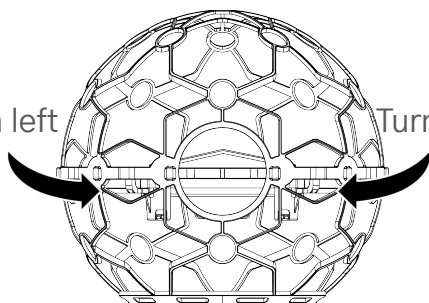
Right Stick
Forward
Backward
Left   Right
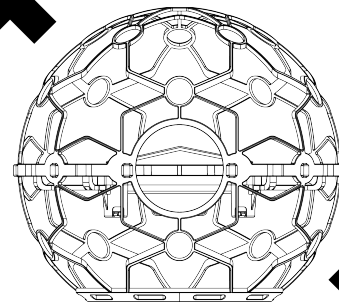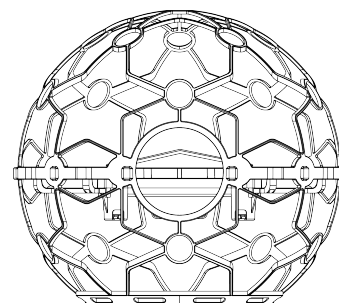
STEP. 08

Mode Description / Mode 1

Connect the battery to the FEEBY and turn it on by pressing and holding the controller power button and the top right speed control button together.

The controller will beep three times in rapid succession to change the flight mode to Mode 1.

When you power cycle the controller after your flight, it will return to its default mode, Mode 2.
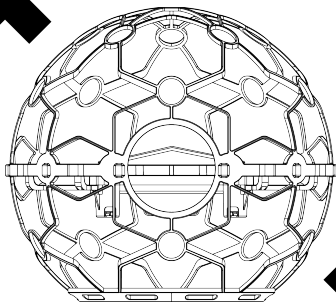
Left Stick
Forward Backward Turn left   Turn right

Right Stick
Up Down Left   Right

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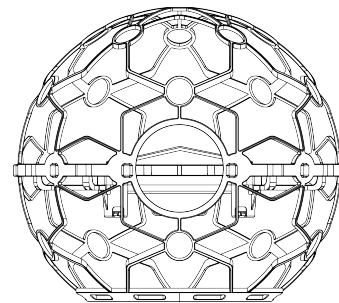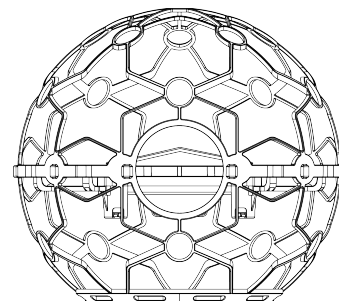
STEP. 09

Altitude Mode
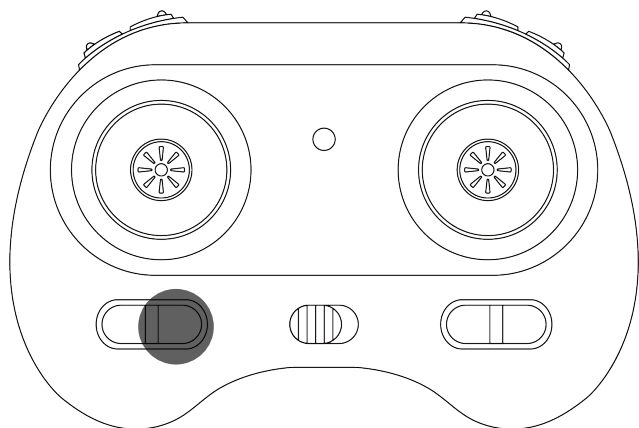
After you start FEEBY, you can turn altitude hold on and off by pressing the Altitude Mode button (bottom left [9]).

STEP. 10

One Touch Takeoff and Landing
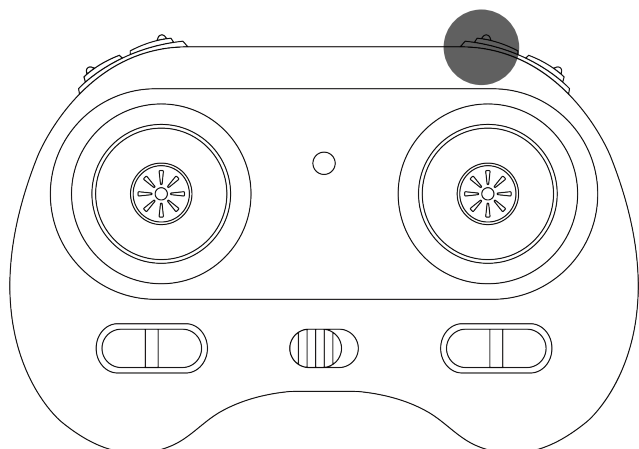
One-touch takeoff and landing mode only works in altitude mode.
After starting FEEBY, press the takeoff and landing button (top right [6]) once briefly, the controller will beep and FEEBY will automatically take off and hover at a height of about 1 meter.

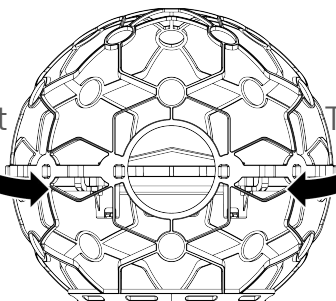Press the takeoff and landing button (top right [6]) again briefly and the controller will beep and FEEBY will land in its current position and turn off the power.

STEP. 11

3-Speed Control
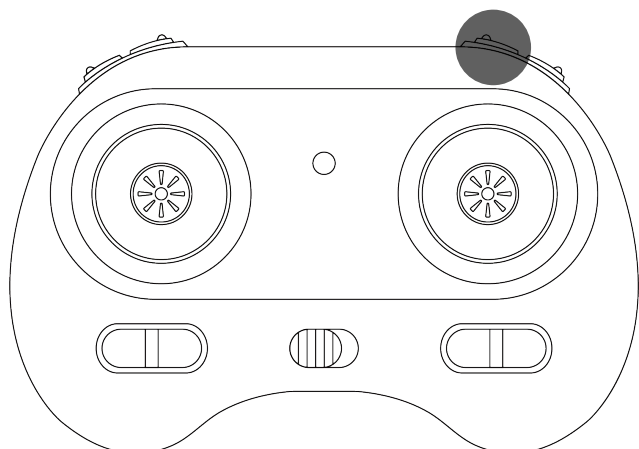
1 beep: low speed
2 beeps: medium speed
3 beeps: high speed

During flight, you can change your flight speed by pressing the speed control button on the controller (top right [5]), which will sound when you do so.

STEP. 12

Turn Recovery Mode
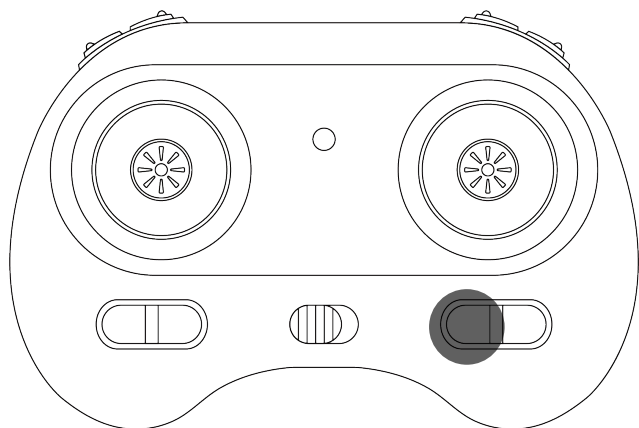
During flight, you can toggle the rotation recovery feature on and off by pressing the rotation recovery button on the controller [10] (bottom right).

**The default value is On.
If a crash occurs in flight when rotation recovery is on, the head will automatically reposition itself.**

STEP. 13

Flip
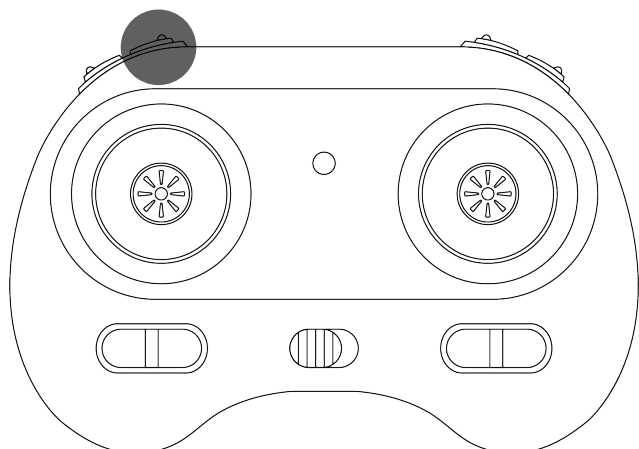
FEEBY can flip forward, backward, left, and right.
Press the flip button (top left [7]) and point the right stick in a direction to flip in that direction.

STEP. 14

Change LED color
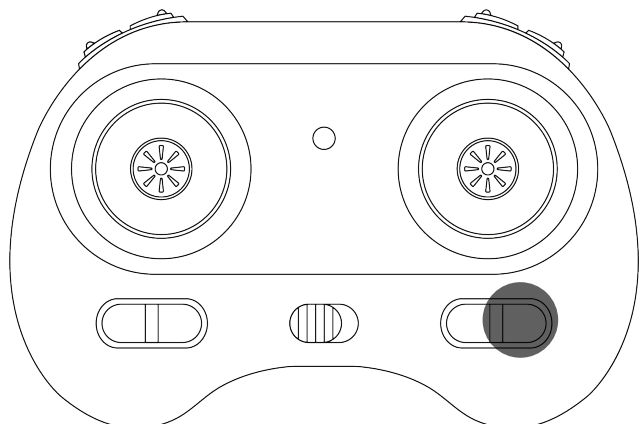
After powering on FEEBY, press the LED color change button (bottom left [11]) to sequentially change the color of the LEDs. (Rainbow, Blue, Red, Green, Pink, Sky, Yellow, White)

STEP. 15

How to charge the battery
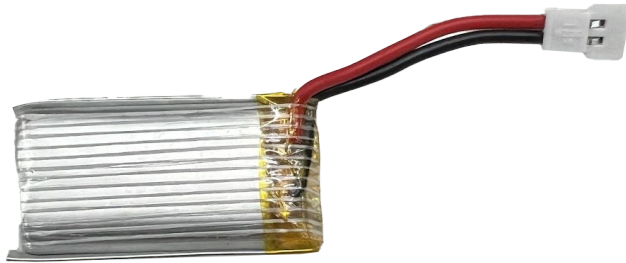
Battery

Chargers

When the battery is low	The red LED lights up when the battery is connected to the battery charging cable.
When the battery is fully charged	The red LED on the cable turns off.

Plug the battery charging cable into a power source,
battery and the battery charging cable.

When the battery is fully charged, the red LED turns off.

7. FAQ

The remote controller does not turn on.	If the batteries are not installed correctly, the remote controller will not power on.	according to the + and − marks on the battery compartment, or try again with a new battery.
	Remote controller power failure.	Please check and apply for A/S.
	If the remote controller is not turned on.	Position the power button to ON.
The FEEBY won't start.	Check battery connection.	Check the connection status and connect in the correct direction.
	Check whether the distance to the remote controller is within the limit.	Fly within a 200M radius. We recommend flying within sight in an unobstructed indoor environment.
	Make sure it is not a disconnected remote controller.	Check the remote controller, check the remote controller connection method in the manual, and try to reconnect.
Start/Stop/IMU calibration cannot be performed	Make sure you are in Altitude mode.	Turn on Altitude mode.
	Check the status of the remote controller.	Turn on the controller and rebind it.
Altitude is not maintained	Altimeter failure	Please apply for A/S.
	Temporary operational failure due to excessive shock	Perform IMU calibration again.
	Make sure you are in altitude mode.	Turn on altitude mode.
Soar up in altitude mode	Check if the propellers	Check and replace the propellers.
	If the FEEBY is shaken or shocked too much.	Turn the power off and on and try again.

7. FAQ

FEEBY's flight performance is strange.	If the screw is loose.	Tighten without shaking.
	Damage to central bracket.	Check and replace.
	If the propellers are severely damaged or installed in the wrong direction.	Check and replace.
Check and replace.	Replace motor.	Please apply for A/S.
Each switch does not work.	Poor contact condition of switch.	Please apply for A/S.
The FEEBY is not rising.	Low battery.	Replace the FEEBY's battery.
	Low battery in the controller	Replacing the battery in the controller
The motor doesn't stop	Pull the throttle stick all the way.	Hold the throttle stick at the lowest position for more than 2 seconds.
	Turn off the engine in altitude mode.	Switch to altitude hold mode.

FCC Information to User

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.

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.

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

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