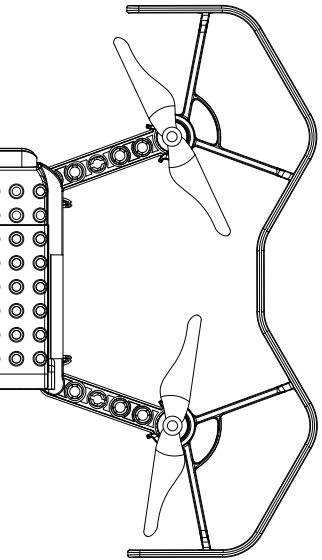
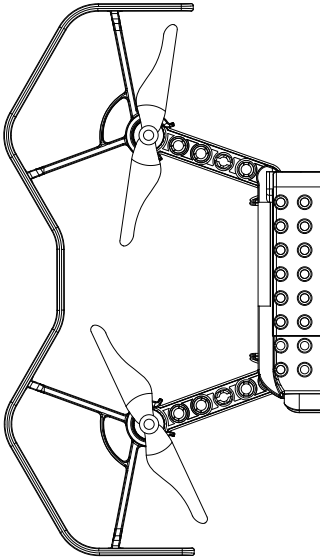


LiteBee Wing

User Manual



Contents

Product Brief..... 1

Assembling..... 3

Functions..... 7

Link to App..... 14

Programming..... 15

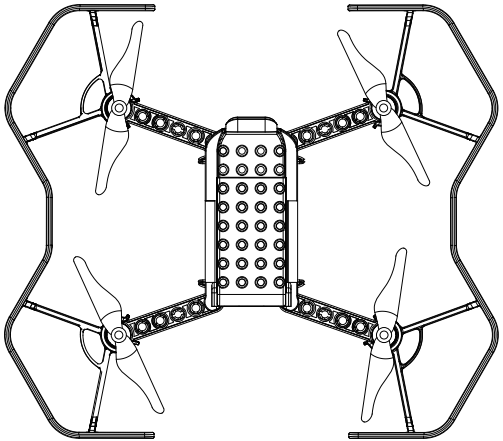
Extension..... 16

FAQ..... 17

Disclaimer..... 18

Product brief

LiteBee Wing is a small drone designed especially for Kids. It is not just a fun toy, but also is a drone with a camera and an interesting tool to learn to program. In addition, the smart mode and propeller guard allow kids to fly it easily and keep themselves safe from crash injury. For kids to learn, explore, and have fun, LiteBee can be a good choice.



Specification

Size	209 mm(L)x 184mm(W) x 56mm(H)
Weight	126 g (with battery and guard)
Wheelbase	148 mm
Motor	1020 brushed
Battery	600 mAh/2S
Propeller	75 mm dual-blade
Propeller Guard	Basic Guard
Control Distance	100 m
Flight Time	10 mins (Hover)
Horizon Speed	1.7 m/s
Wind-resistance	3 m/s
Camera	Effective Pixels: 8 MP, FOV: 88°

Packing list



Drone *1
(battery excl)



Controller *1



Battery *1



Charger *1



Micro USB *1



User Manual *1



Stick Cap *2



Spare Bolt * 10



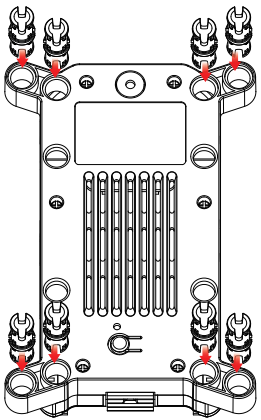
Mini Wrench *1



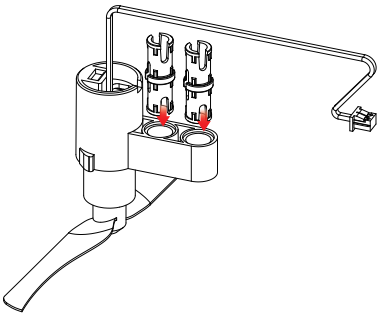
Spare Propeller * 4

Assembling

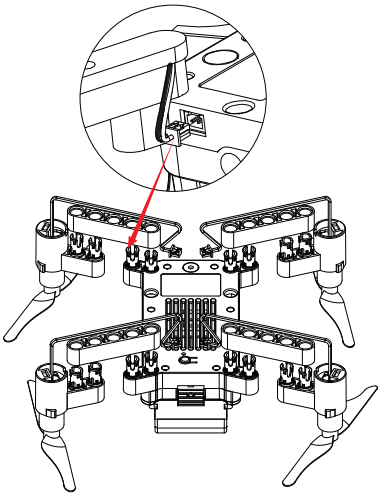
1 X8 X1

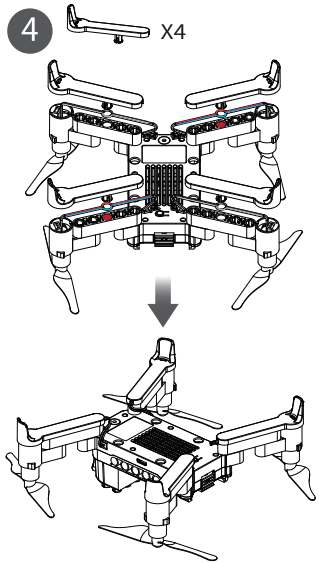


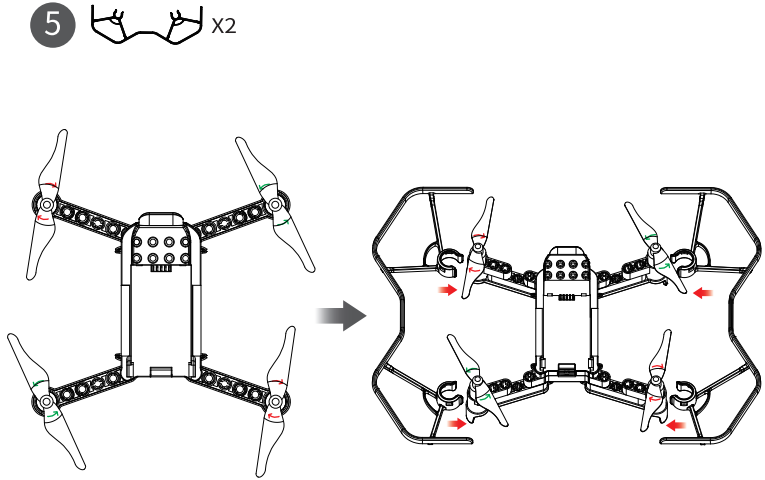
2 X4 X8



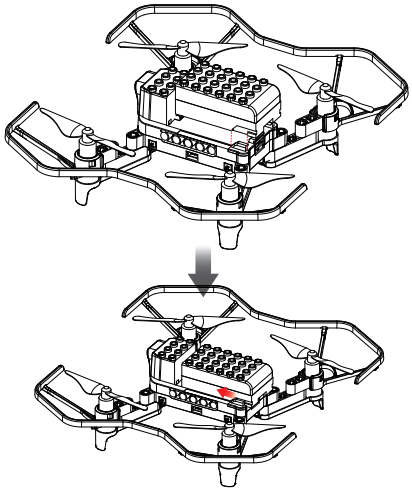
3 X4



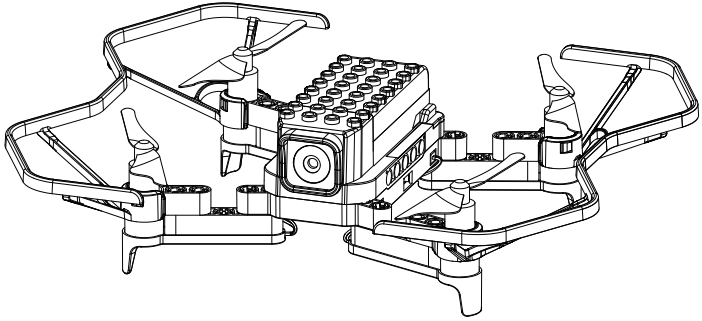

4
X4


5
X2

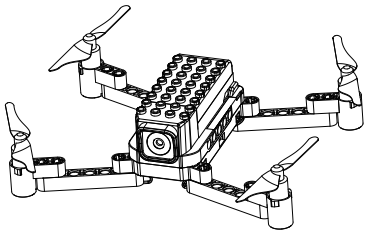
6 X1



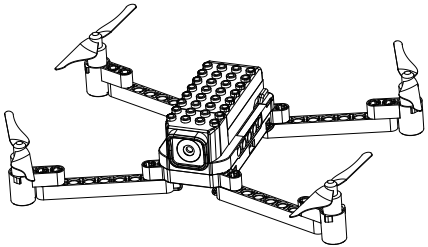
7 Finished



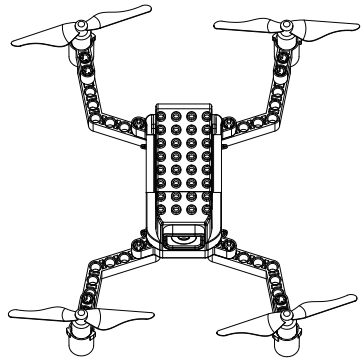
Customized shape



7 holes long arm

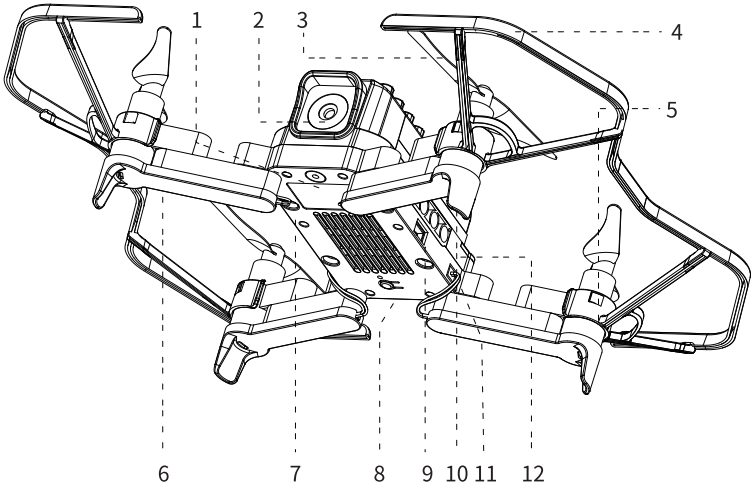


9 holes long arm



Curved arm

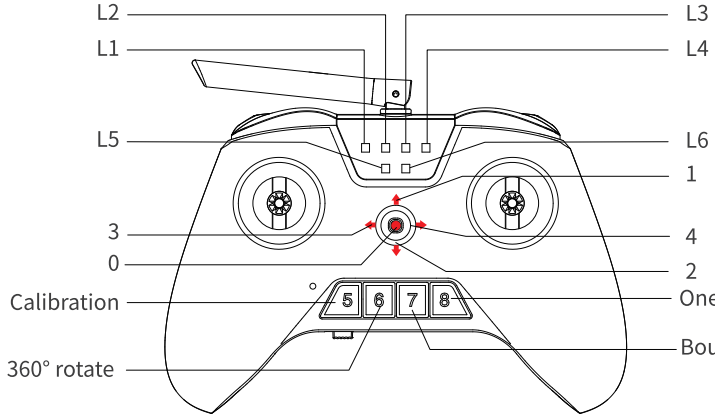
Structure



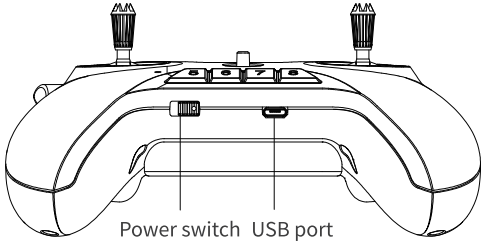
1.Optical camera
2.Front camera
3.Propeller
4.Propeller guard
5.Brushed motor
6.Landing gear
7.Extension ports
8.Power switch
9.Extension interface
10.Battery
11.Motor connector
12.Antenna

Power on/off: Long press the power switch for 1 second / long press for 3 seconds.

Controller



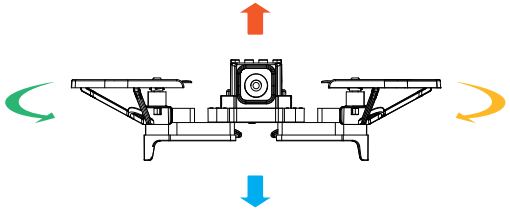
K-0: Programing/link switch
K-1/2/3/4: Customizable function key

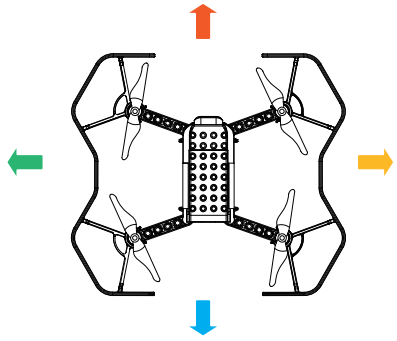


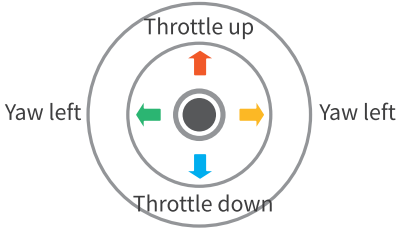
L1 light off	Control mode 2
L1 green light on	Control mode 1
L2 red light on	Drone and controller unconnected
L3 green light on	Binding mode
L4 light off	Operation mode
L4 green light on	Programming mode
L5 red light on	Drone's battery low
L6 green light on	Controller's battery normal
L6 red light on	Controller's battery Low

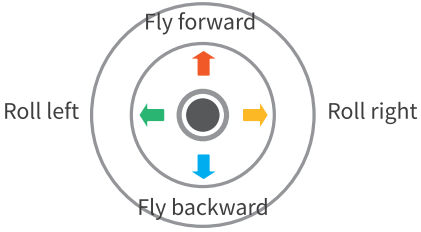
Controller

Control Mode 2





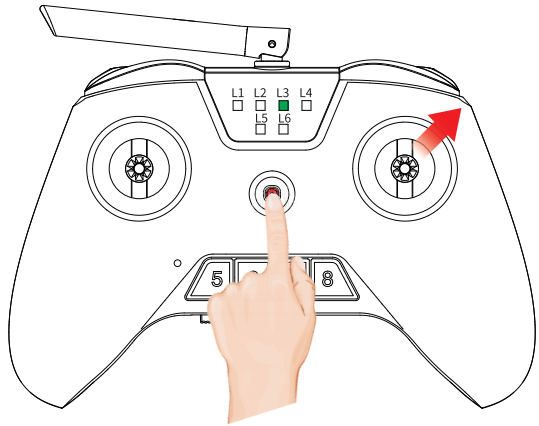






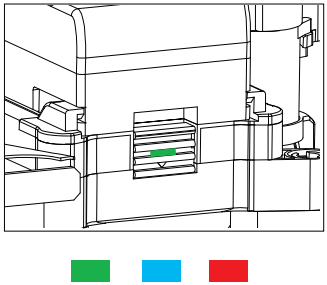
Binding

1. Turn the controller on
2. Press the k-0 key while pushing the right stick to the top-right , the LED-3 will on
3. Turn the drone on, they will bind automatically. The LED-3 will off if connected



The light indication

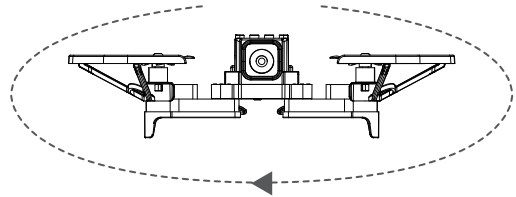
Red light on	Ready to take off
Green light flash	One key to take off/landing
Blue light flash once	Taking photos
Blue light flash	Video recording
Red light flash	Unconnected
Red light flash quickly	Battery low
Red light on	Fault
Flash in red/green	Error of sensors
Flash in blue/green	Calibration of gyro
Flash in red/blue	In smart mode



Smart mode

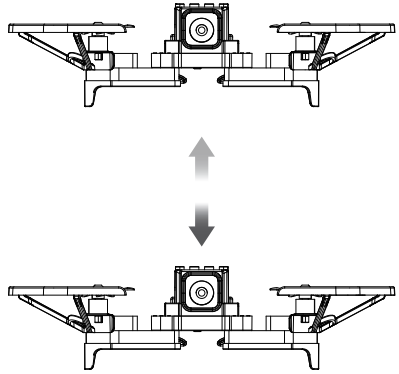
One key to rotate 360°

Press the k-6 button, the drone will rotate for 360° once.



Bounce mode

Press the k-7 button, the drone will bounce between 0.5m - 1.5m continuously, press again to cancel it.

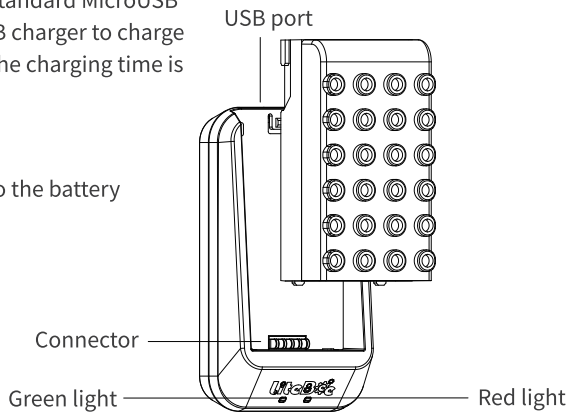


Charging

Insert the battery into the battery holder and use the standard MicroUSB cable to connect the MicroUSB port with your own USB charger to charge the Li-ion battery. Take 5V/2A charger as an example, the charging time is about 1 hour.

Lamp indication

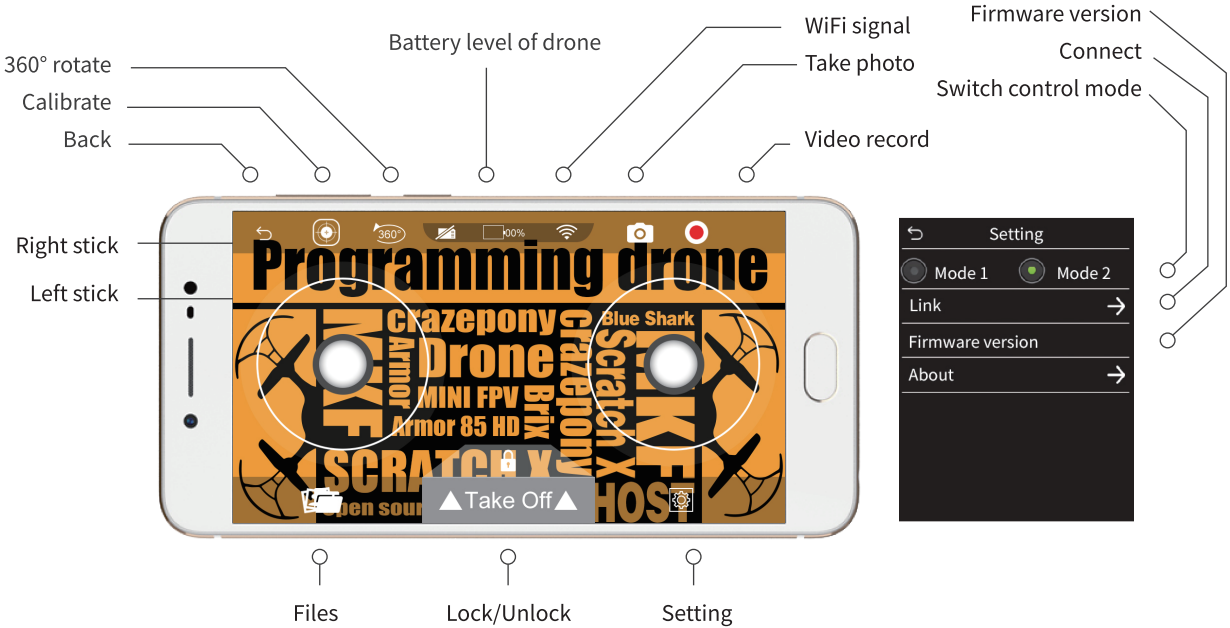
1. Red and blue alternately blinking: not connected to the battery
2. Red light always on: charging
3. Green light: Finished charging



Notes

1, Programming building blocks drone flight control and remote control MicroUSB port does not have charging function;
2, Prohibit the use of one tow three type of data cable with GaN or other fast charging adapter to connect the charging cradle when charging or powering other devices.

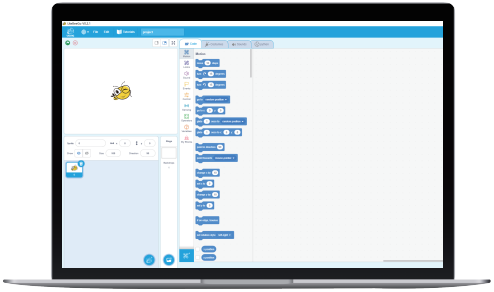
Guide for App

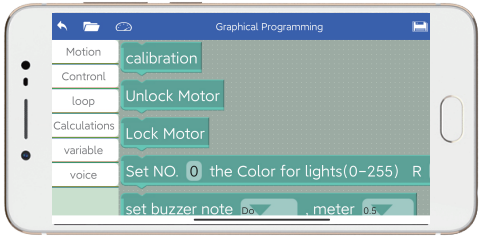


Programming

Learn more about programming visit our official web: www.litebee.com.

Programming with computer: Connect the controller to the computer by the micro USB wire, then start LiteBee Go and choose the relevant programming mode.
Programming with smartphone: Search and connect the WiFi (password: 12345678) of the drone, then open the LiteBee App and enter the programming mode.

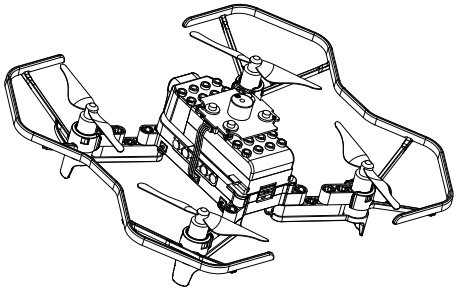




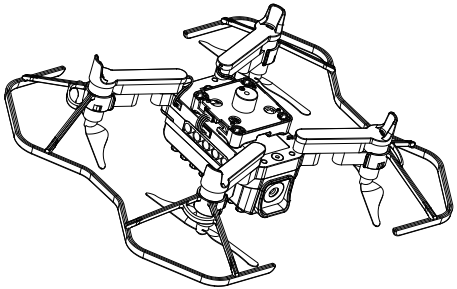
Extension

From now on, there are 5 extensions available for LiteBee Wing: Buzzer, LED, Line tracking, Obstacle avoiding, Electromagnet delivery.

Diagram for install extensions



On the top



On the bottom

FAQ

Q1：Motor does not work?
A1 Check if the motor wire is well connected; Whether the propeller is over-pressed and stuck to the motor; Check if there is large resistance by turning the motor by hand. If the motor is damaged, replace the motor in time.

Q2: Litebee Wing can't fly?
A2: Check the motor installation; Check the battery power capacity. Calibrate the Litebee Wing before flying.

Q3:LiteBee Go programming can not recognize the radio transmitter?
A3:Install the radio transmitter driver in LiteBee Go for the first-time use, after finishing the installation, select the corresponding device ports.

Q4: How to switch the radio transmitter from Mode 2 to Mode 1?
A4:Connect the radio transmitter to the computer via the USB cable, and download Mode1 program on Litebee Go software.

Q5: LiteBee Wing’ s propellers fall off in high frequency?
A5:Replace with a new propeller.

Q6:How much weight can LiteBee Wing carry?
A6:Recommended under 10g.

Disclaimer

Litebee Wing is a multi-rotor drone. Children over 8 years are recommended. Children under the age of 8 are required to be accompanied by adults. Please be careful when operating the product in the presence of children.

The product provides an easy flight experience when the power supply is working properly and the components are not damaged. Please be sure to know your legal rights, responsibilities, and safety instructions before using it, and be clear that using the product may bring property damage, safety accidents, and personal safety hazards. By using the product, you are deemed to have read, recognized, and accepted all terms and conditions of this statement. The user is committed to being responsible for his non-compliant operations and the consequences thereof; the user undertakes to use the product solely for legitimate purposes and agrees to these terms and any relevant policies or guidelines that may be developed by us. We are not liable for any direct or indirect personal injury or property damage caused by the failure to use this product under the safety guidelines.



Warning:

CHOCKING HAZARD - Small parts
Not for children under 3 years.



Manufacturer: Shenzhen Makerfire Technology Co., Ltd
Web: www.litebee.com
Tel: +86 755 89734637 - 8019
Email:sales@litebee.com
Address: 18th Floor, T1 Building, ZhongliangChuangxin research center, Liuxian1 Road, Baoan District, ShenZhen City, China.