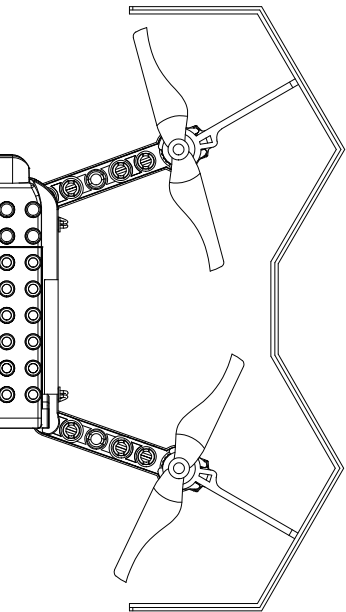
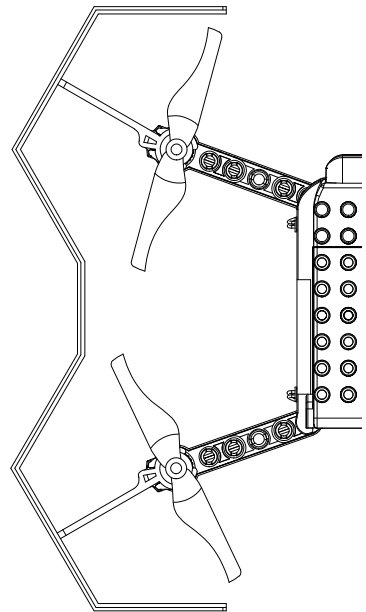




LiteBee Wing FM User Manual

www.litebee.com



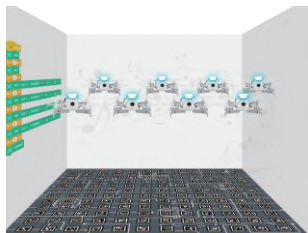
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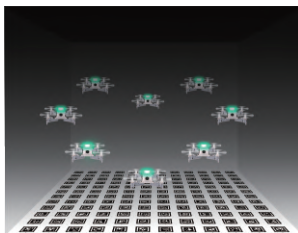
Introduction

- Introduction

Thank you for purchasing the LiteBee Wing EDU Drone from Makerfire. Please read this instruction manual carefully before use. LiteBee FM is a formation set with 4 or 10 drones designed especially for the age of 8-14 year-old. With LiteBee FM, users could fly these drones at the same time by programming, and design creative movement for the drone. Besides, lampion and buzzer provide more programming possibilities.



Customized formation

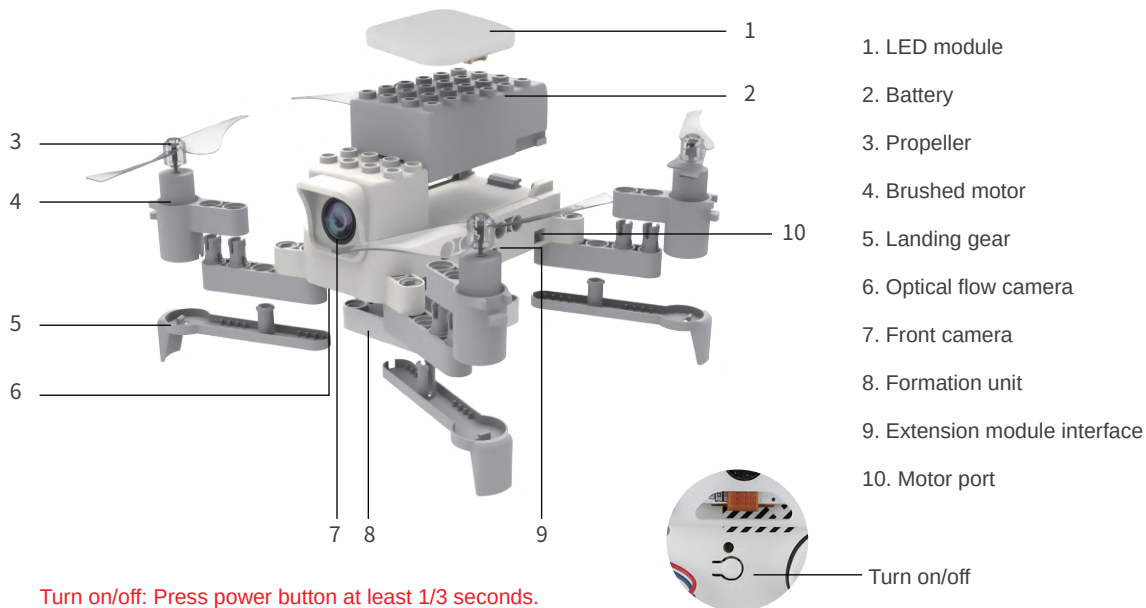


Colorful light show



Support graphic programming

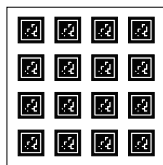
- Diagram



- Packing list



LiteBee Wing*10 (4)



QR code carpet*1



Router*1



Battery *16(8)



Charger* 2 (1)



Formation unit*10 (4)



LED module*10 (4)



Spare parts*1



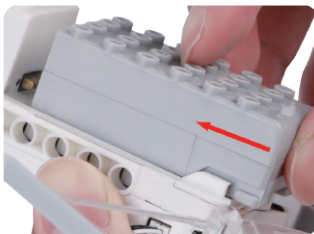
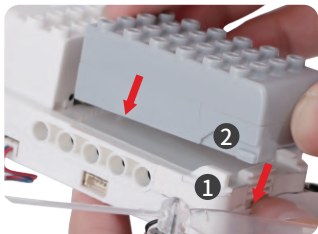
Storage suitcase/rolling suitcase

Note: There are 2 optional sets: 4 or 10 drones.

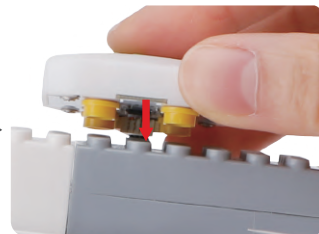
Pre-flight

- Hardware preparing

1) Install battery



2) Install LED module

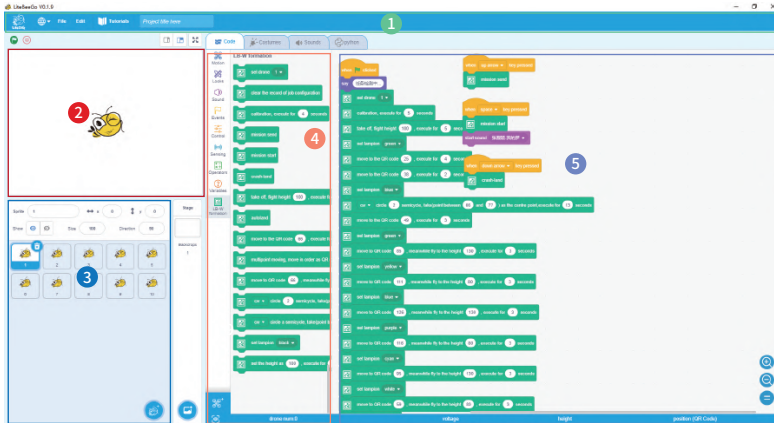


3) Power up the router to connect drone and host computer



- Install software

1.Install Litebee Go



- 1 Menu bar: Switch language, new program, load, save, rename the program.
- 2 Stage: Where the sprite could move, paint, and interact.
- 3 Sprite: In current project, the information on the sprites will be shown here.
- 4 Blocks: There are 10 kinds of blocks available.
- 5 Scripts: To write programs.

5

To get LiteBee Go on: www.litebee.com.

1) Click the “drone” button

1) Click the “drone” button

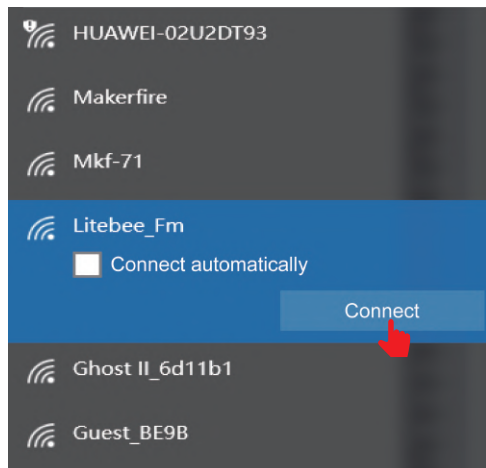


2) Choose "Formation"

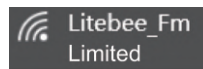


3.Link to the router

Search WiFi, and connect the WiFi "Litebee_Fm" with default password: "test 1234"



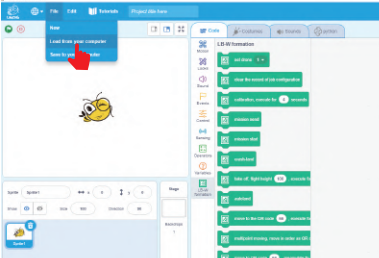
It's normal if the WiFi shows "limited" .



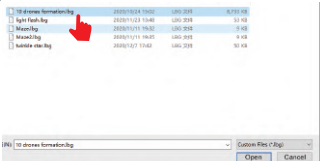
Formation Flight

- Load the formation program (take 8 drones formation as an example)

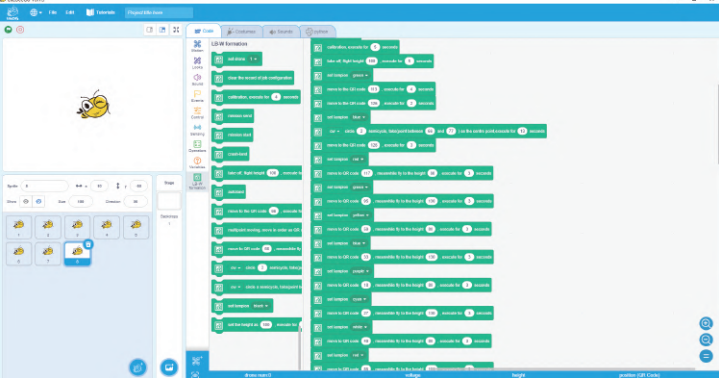
1



2



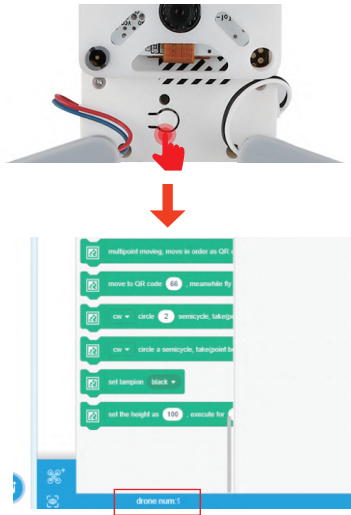
3



Attention: If any delay caused by the WiFi signal, please wait for a while.

- Place these drones

1) Turn on one drone of them, it's connected when its taillight turns green. LiteBeeGo will show "Drone Num: 1"(the number will increase as more drones connected).



2) Height: The left part of the number is the drone ID, and the right part is its height.



3) Identify the drone's ID by changing its height and watching data on LiteBee Go.



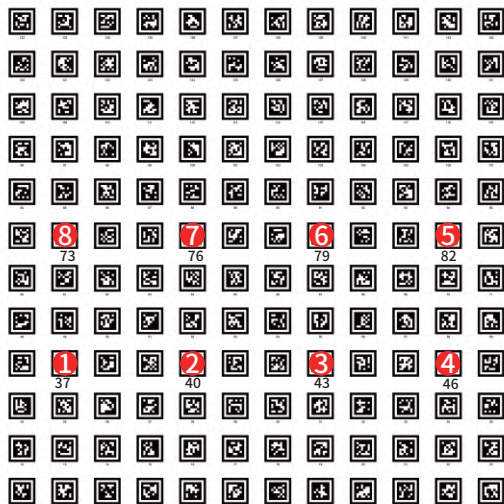
Drone No. 1

Drone No. 2

4) Turn on these drones in turn until the Drone Num is 8, and then place these drones.



- Place these drones on QR code carpet



Stand

Take 8 drones formation as a reference

(The position for take-off should be consistent with the position your program has set)

① to ⑧ represent the drone ID

④₄₀ Represent the number of QR code

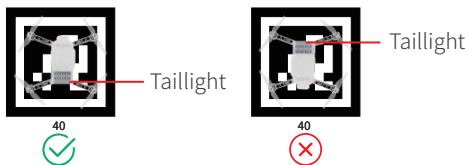
Tips: The QR code carpet for 4-drone formation is 3m*3m.

- Attention:

1) The distance between two drones should be at least 30cm, in other words, keep drones 2 codes away from each other.



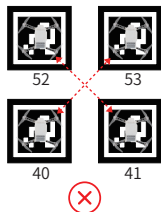
2) The drone's taillight should point to the QR code number.



3) The drone should be placed in an upright position without an apparent tilt angle.

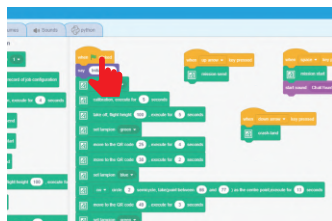


4) Pay attention to the flight route, avoiding any crashes between drones.

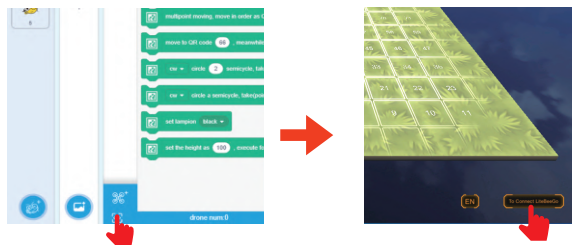


- Formation preview

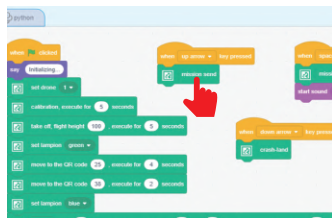
1. Compile the program: click the green flag to compile the program.



2. Link to the simulator: click the “eye” on the info bar to open and connect the simulator.



3. Mission sending: back to LiteBee Go and send the program to simulator.



4. Flight preview: start and watch the preview on the simulator.



Precaution

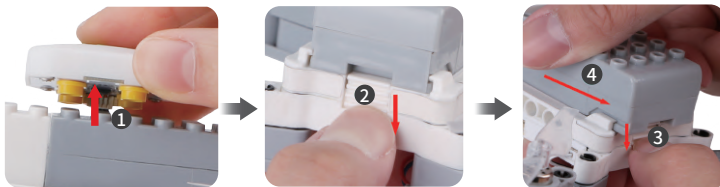
■ Signal of taillight

Red:	Searching signal /Low battery
Blue:	Fail to connect with the router
Green:	Connected

■ Pre-flight check

- 1) Assure the router connect with the computer
- 2) Battery fully charged

★ Replace the battery



★ Charging



● Drone check list

- ★ Motor and propeller
- ★ Arm and landing gear
- ★ Arm and the fuselage
- ★ Battery and the fuselage

- Flight environment

- ★ Space:>5*5m
- ★ Height:>2m
- ★ Distance away from audiences:>5m
- ★ No strong sunshine
- ★ Windless and bright
- ★ No signal interference
- ★ Distinguishable QR code carpet

- Formation Flight

1. Please place these drone according to the instruction.
2. These drones will not finish 4 mins flight when the battery voltage lower than 7.9v.
3. Make sure all of these formations drone connected before sending the mission.
4. The drone ID should be consistent with the position number you set.
5. The drone will flash red or blue if disconnected, reboot it until connected(light on green).
6. Place the drones within 10m from the router, but keep the host computer 3m away from the router.
7. It could be better to set a code for the emergency landing, which will be helpful to deal with accidentv.
8. Restarting the host computer will also reset the drones' ID.
9. The code “wait () seconds” is invalid in formation programming.

Disclaimer

LiteBee FM is a multi-rotor drone, kids above 8-year-old are recommended. The younger should be accompanied by adults when they are flying drones, and be careful especially there are kids walking around.

Please read the instruction carefully before using the product, which is helpful for you to operate the drone correctly and protect your own interests. By reading this disclaimer, you acknowledge that you have understood agreed, and accepted all of the terms and statements. The user is committed to being responsible for any possible consequence caused by failure to operate the product correctly. The user promises to use this product only for legitimate purposes and agrees to these terms and any related policies that our company may make. We are not responsible for any direct or indirect personal injuries or property damages caused by applying this product in a way out of accordance with the guide.



Warning:

Keep the drone out of the reach of under 3-year-old, avoiding any possible harmful swallow.

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