Oxbot × Lumo18

Quick Start Guide

oxbot.com

Note: For 3D rendering purposes; actual product may vary.

Due to the small screw size, install manually. Do not use an electric screwdriver, as excessive torque may cause screws to break.

2025/09 V1

Contents

Getting Started

Search and download the SpeedyBee app on Google Play (for Android) or the App Store (for iOS).

After powering on the drone, open the SpeedyBee app and use Bluetooth to search for the nearby “Lumo18”.

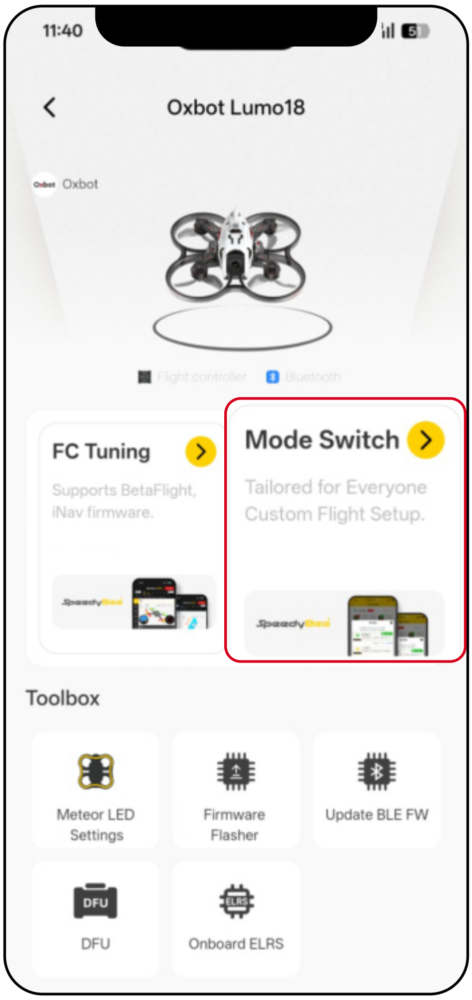
Once connected, you can set parameters such as "Preset Mode" and "Meteor LED Strip" on the homepage, or view the "Binding Guide"

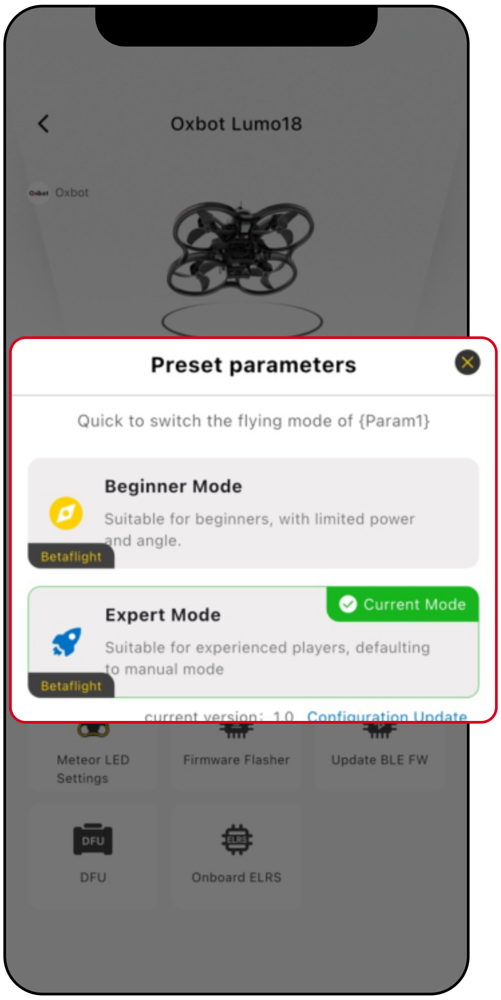
App Download

LUMO18 Installation Guide

Preset Mode

Lumo18 introduces a new Preset Mode feature. After powering on the drone, connect to Lumo18 via the SpeedyBee app, and select the preset mode at the top of the main interface.





Preset Mode Description

Beginner Mode: Suitable for beginners, with limits on power and angle.

Mode	Channel	Min	Max
ARM	AUX1	Min:1700	Max:2100
ANGLE	AUX3	Min:1700	Max:2100
BEEPER	AUX2	Min:1700	Max:2100
LED LOW	AUX5	Min:1700	Max:2100
FLIP OVER AFTER CRASH	AUX4	Min:1700	Max:2100

Expert Mode: Suitable for experienced players, set to manual mode by default.

Mode	Channel	Min	Max
ARM	AUX1	Min:1700	Max:2100
ANGLE	AUX3	Min:1700	Max:2100
BEEPER	AUX2	Min:1700	Max:2100
LED LOW	AUX5	Min:1700	Max:2100
AIR MODE	AUX3	Min:1700	Max:2100
FLIP OVER AFTER CRASH	AUX4	Min:1700	Max:2100

Meteor LED Operation

The Lumo18 features various Meteor LED Strip effects and status LEDs, which can be customized through the SpeedyBee APP.

Operating Steps:

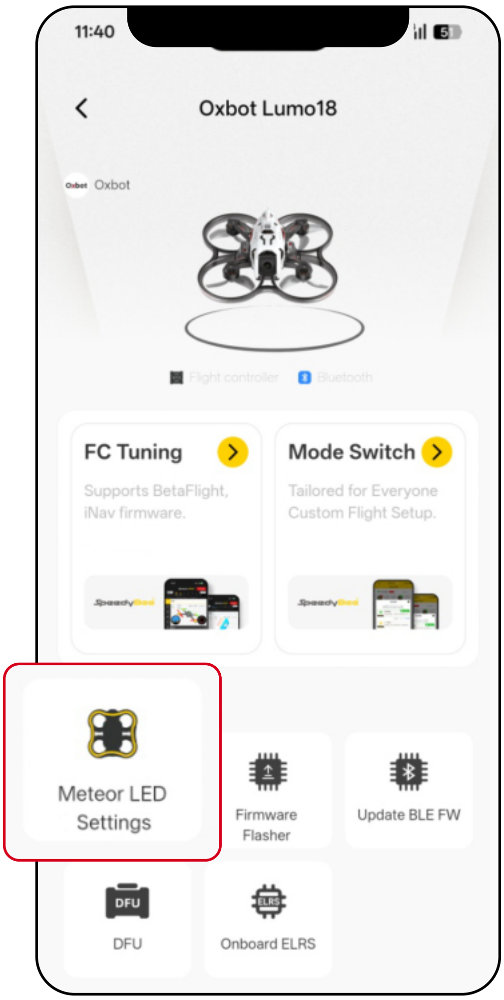
1. Use the SpeedyBee APP to connect to the Lumo18.

In the app interface, select "Meteor LED Strip Settings" in the bottom right corner of the "Toolbox" to start customizing.

Additionally, the Meteor LED Strip on the Lumo18 can be operated via the remote controller. The LED LOW channel must be enabled in the mode, which is already turned on by default as channel 4 in the factory firmware.

Operation Methods:

1. On/Off Control: Adjust the channel corresponding to the "LED LOW" mode to the high setting to turn off the Meteor LED Strip, and move it to the low setting to turn it on.
2. Effect Switching: Quickly move the channel corresponding to the "LED LOW" mode once to switch the Meteor LED Strip effects.



O4 Air Unit Binding

The following example shows how to link the DJI Goggles 3 and DJI FPV Remote Controller

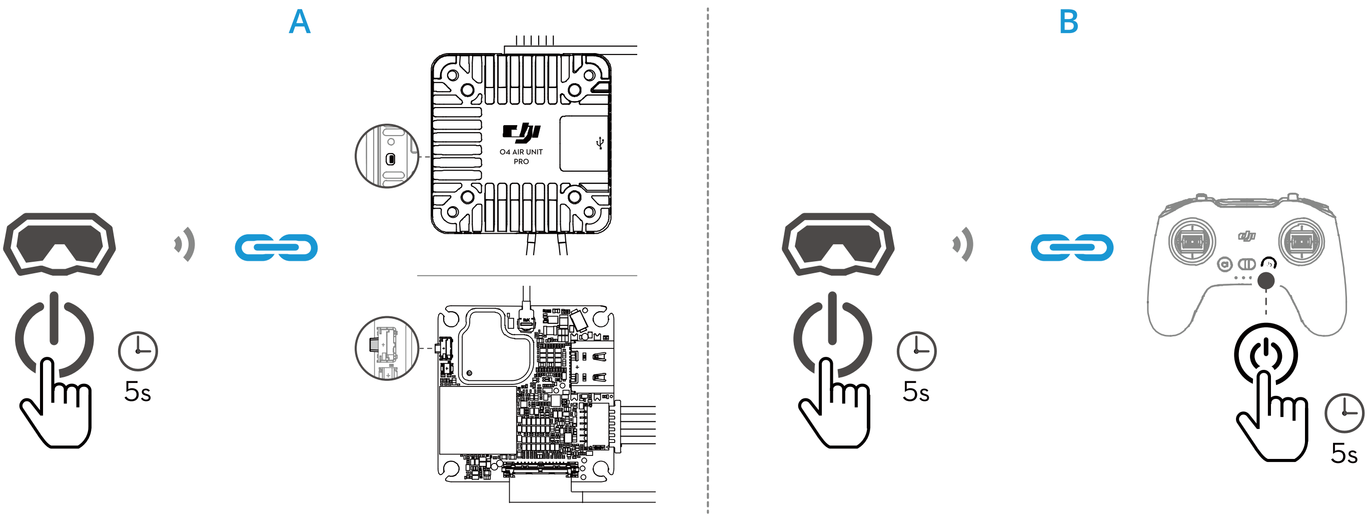


Figure A: Linking Goggles and the Air Unit

1. Power on the air unit, the goggles, and the remote controller. Enter the goggles menu,select Status, and click the upper right corner to select the product.

2. Make sure the linking status indicator of the air unit is red. Press the link button once, the linking status indicator blinks red. Press the link button on the goggles. Thegoggles will start to beep continually.

3. Once linking is successful, the linking status indicator of the air unit turns solid green.The goggles stop beeping and the live view will be displayed.

Figure B: Linking Goggles and Remote Controller

1. Activate the linking status on both the goggles and the remote controller. The gogglesstarts to beep continually. The remote controller starts to beep continually and the battery level LEDs blinks in sequence.

2. Once linking is successful, the goggles will stop beeping and display the live view, and the remote controller will stop beeping

ELRS Binding

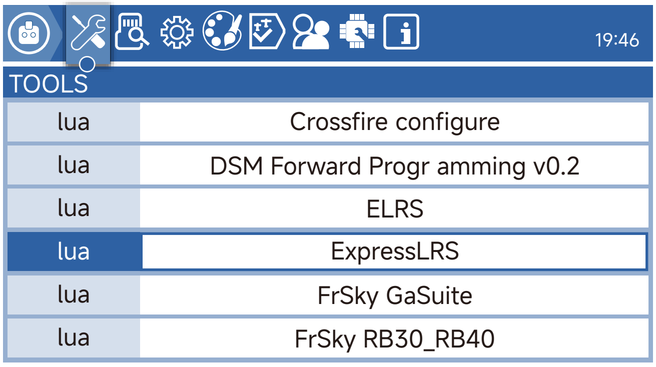
It is recommended to check that the firmware of the RF module and the receiver are consistent before binding. If not, use the SpeedyBee APP to update the firmware.

1. Power the drone on and off three times to put the receiver into binding mode. The ELRS status LED on the AIO will flash orange twice quickly, indicating the receiver is in binding mode.

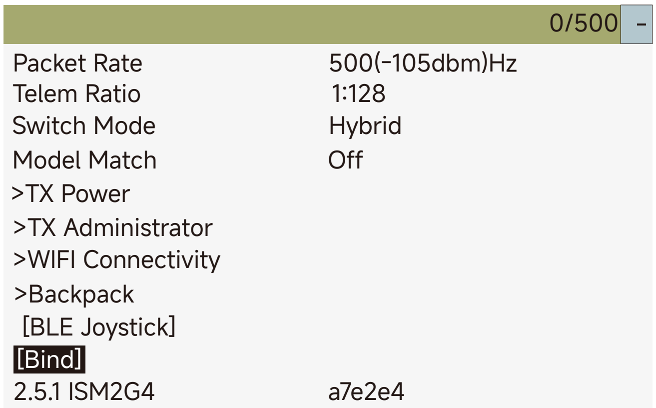
2. For the RadioMaster TX16S remote controller, press and hold the SYS button to enter the TOOLS interface. Scroll down to select ExpressLRS, then select Bind and press Enter.

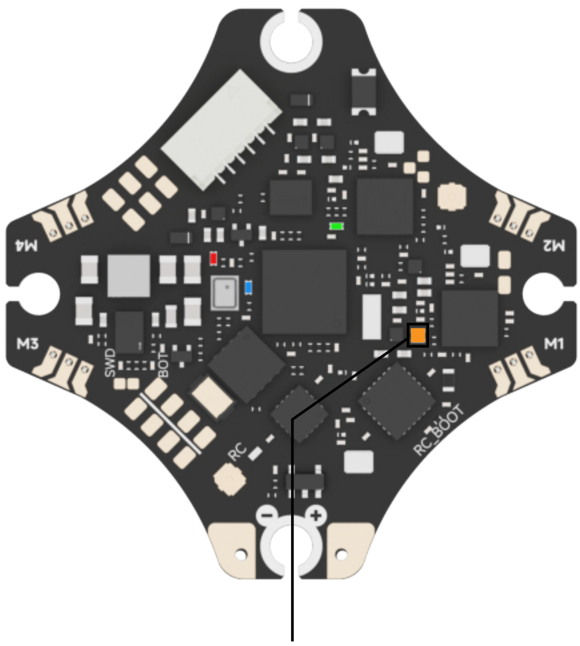
3. When the ELRS status LED on the receiver turns solid, the binding is successful.

1

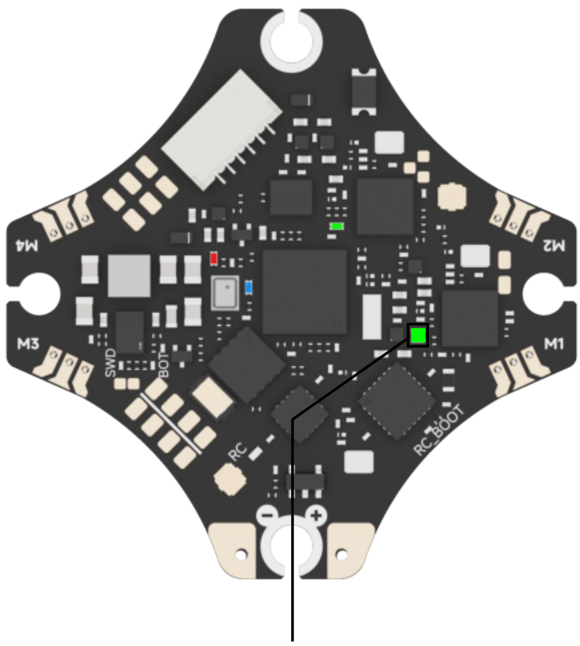


2





11.Status LED flashing twice
binding in progress



Status LED solid
binding successful

Pre-Flight Checks

1. Inspect the drone for any damage. Check and repair it if necessary.

2. Ensure the propellers are installed in the correct rotation direction and that the screws are tightened securely.

3. Ensure the battery is secured with the strap. Tidy or secure the battery balance lead to prevent it from being hit by the propellers.

4.Check the battery voltage. When fully charged, the voltage should be 8.4 V for 2S, with a maximum of 8.7 V.

5. Turn on the remote controller and select the correct model. Ensure the arming switch is “disarmed” and the throttle is at the lowest position.

6. Turn on the FPV goggles or screen and check for frequency conflicts with others.

7. After powering on the drone, maintain a safe distance of 3 meters and test arming ensure all propellers rotate properly.

8. Take off only in a safe area with no people nearby.