BEE25

Quick Start Guide

First-Time Use Guide

Search and download "SpeedyBee"' on Google Play or App Store.

Power the drone and launch the SpeedyBee app and search the quad via Bluetooth.

After powering on the drone, open the SpeedyBee app, and use Bluetooth to search for nearby BEE25. Once connected, you can set parameters such as "Preset Mode" and "Meteor LED" on the homepage or watch the "Binding Guide".
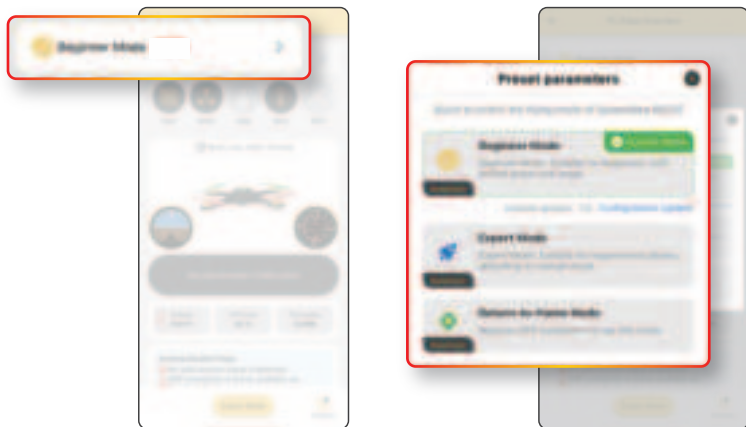
App Download   BEE25 Installation   After-Sales Service
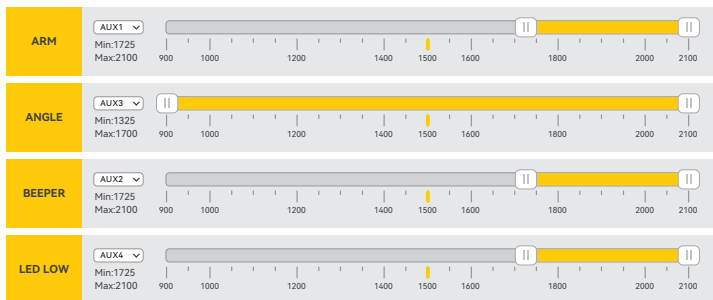
SpeedyBee®

Preset Mode

▷ BEE25 introduces a new preset mode selection. Power on the drone, connect to BEE25 via the SpeedyBee app, and select the preset mode from the top of the main interface.
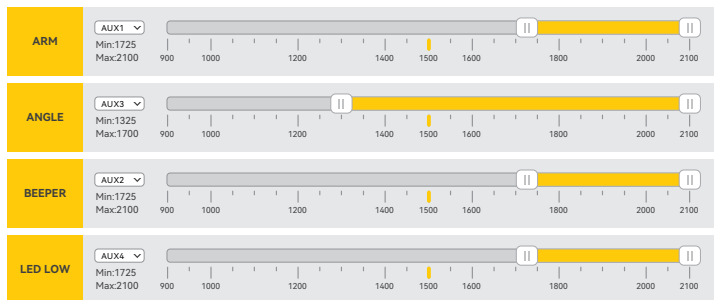

Preset Mode Description

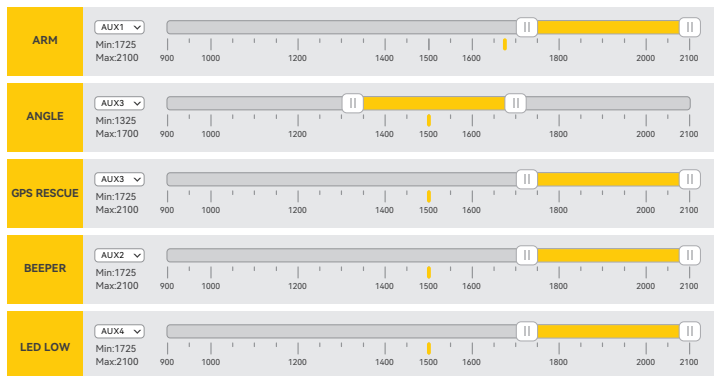▷ Beginner Mode: Suitable for beginners, with limited power and angle.

ARM	AUX1 ⌄ Min:1725 Max:2100	
ANGLE	AUX3 ⌄ Min:1325 Max:1700	
BEEPER	AUX2 ⌄ Min:1725 Max:2100	
LED LOW	AUX4 ⌄ Min:1725 Max:2100	

▷ Expert Mode: Suitable for experienced players, defaulting to manual mode.

ARM	AUX1 ⌄ Min:1725 Max:2100	
ANGLE	AUX3 ⌄ Min:1325 Max:1700	
BEEPER	AUX2 ⌄ Min:1725 Max:2100	
LED LOW	AUX4 ⌄ Min:1725 Max:2100	

▷ Return-to-Home Mode: In case of an emergency, trigger the GPS rescue mode by toggling the "GPS RESCUE" channel to return the drone to the takeoff point. (This function requires an additional GPS installation, and enough satellites must be found.)

ARM	AUX1 ⌄ Min:1725 Max:2100	
ANGLE	AUX3 ⌄ Min:1325 Max:1700	
GPS RESCUE	AUX3 ⌄ Min:1725 Max:2100	
BEEPER	AUX2 ⌄ Min:1725 Max:2100	
LED LOW	AUX4 ⌄ Min:1725 Max:2100	

Note: Although the GPS return function is reliable, users should switch to manual control upon receiving VTX signals to ensure safety, as it is not 100% successful.

Meteor LED Operation

BEE25 features various Meteor LED effects and status indicators. Customize your lighting effects through the SpeedyBee APP.
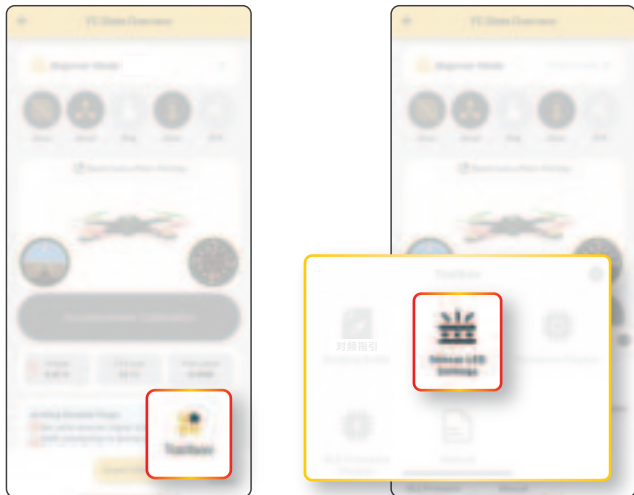
▷ Operation Steps:

1.Use the SpeedyBee app to connect to BEE25.

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

Additionally, the Meteor LED on the BEE25 can also be controlled using remote controller.
(enable the LED LOW channel in the mode, which is already on by default as channel 4 in the factory firmware).
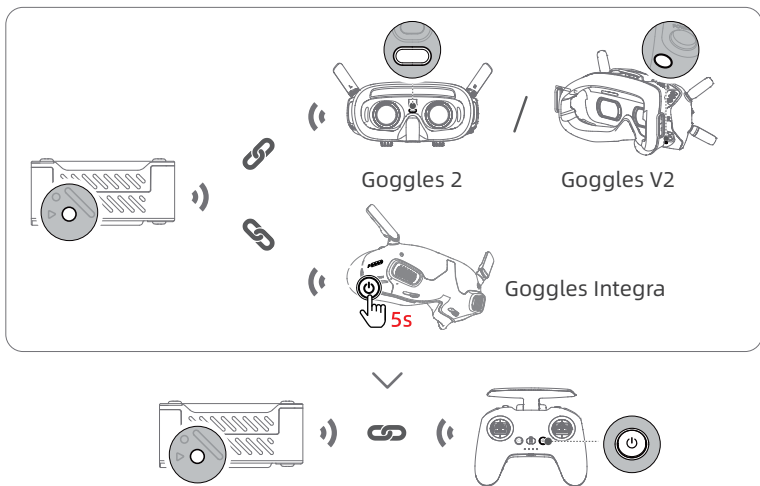
▷ Operation Method:

1.On/Off Control: Adjust the channel corresponding to the "LED LOW" mode to a high position to turn off the Meteor LED, and vice versa to turn it on.

2.Effect Switching: Quickly toggle the channel corresponding to the "LED LOW" mode once to switch the Meteor LED effects.

O3 Air Unit Binding

▷ Before binding, make sure the firmware of the Air Unit, goggles, and remote controller are updated.

Goggles 2 / Goggles V2

Goggles Integra

5s

▷ The Air Unit needs to bind with the goggles first, and then with the remote controller.

1. Power the Air Unit, turn on the goggles and the remote controller.

2. Press the binding button on the Air Unit and the goggles respectively. (For integrated goggles, hold the power button for 5 seconds to enter the binding state.) The binding status indicator on the Air Unit will flash red, and the goggles will emit a "beep-beep..." sound.

3. Ensure the Air Unit and goggles are within 0.5 m of each other. Once binding is successful, the Air Unit's binding status indicator will turn solid green, the goggles' beeping will stop, and the VTX will be displayed.

4. Press the binding button on the Air Unit, then press and hold the power button on the remote controller. The Air Unit's binding status indicator will flash red, and the remote controller will emit a "beep-beep..." sound, with the power indicator flashing cyclically.

5. Ensure the Air Unit and the remote controller are within 0.5 m of each other. Once binding is successful, the Air Unit's indicator will turn solid green, and the remote controller will stop beeping.

Binding Guide

By connecting to BEE25 with the SpeedyBee app, you can easily watch the corresponding binding guide videos. Ensure your drone's flight frequency is set correctly to avoid interference or unnecessary flight issues.
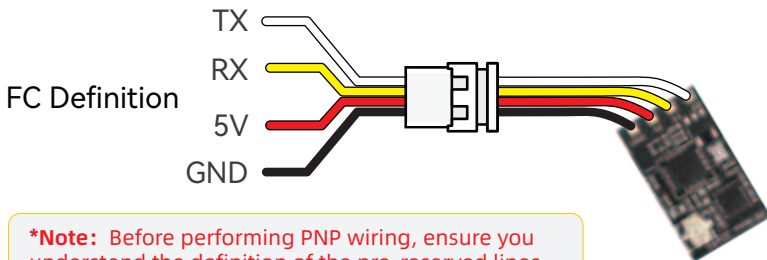
▷ Operation Steps:

1. Use the SpeedyBee app to connect to BEE25.

2. In the app interface, select "Binding Guide" in the bottom right corner of the "Toolbox" to start watching the corresponding binding tutorial video.
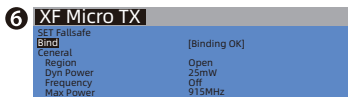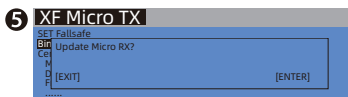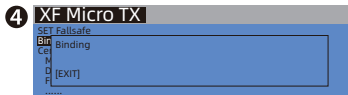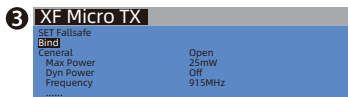
PNP Wiring Guide

The PNP wiring guide will help you correctly connect the pre-reserved connectors on the drone, ensuring the wires in the accessories are properly soldered to the receiver for optimal flight performance.
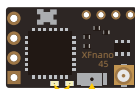
FC Definition

TX
RX
5V
GND

*Note: Before performing PNP wiring, ensure you understand the definition of the pre-reserved lines on the drone and the soldering pads on the receiver.
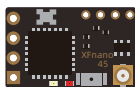
TBS Receiver Binding

▷ 1.Press and hold the Bind button on the TBS receiver while powering it on until the green light flashes rapidly, then release the Bind button. Press and hold the Bind button again for 8 seconds, then release it. Wait for the green light on the receiver to turn off and the red light to flash slowly. The remote controller screen will show "Update micro RX?", then select "ENTER".

▷ 2.Wait for the update to complete and automatic binding. Once binding is successful, the remote controller will display "Binding OK", and the green light on the TBS receiver will be solid.

❶ TOOLS 1/7
```
01  FrSky GaSsuite
02  FrSky SBEC
03  FrSky SxR
04  crossfire
05  ......
```

❷ CROSSFIRE SETUP
```
XF Micro TX
XF Wifi
```

❸ XF Micro TX
```
SET Failsafe
Bind
Ceneral          Open
  Max Power      25mW
  Dyn Power      Off
  Frequency      915MHz
......
```

❹ XF Micro TX
```
SET Failsafe
Bind  Binding
Cer
N
C  [EXIT]
F
......
```

❺ XF Micro TX
```
SET Failsafe
Bind  Update Micro RX?
Cer
N
C  [EXIT]              [ENTER]
F
......
```

❻ XF Micro TX
```
SET Failsafe
Bind              [Binding OK]
Ceneral
  Region          Open
  Dyn Power       25mW
  Frequency       Off
  Max Power       915MHz
```
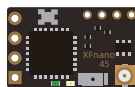
TBS NanoRX

Binding Button

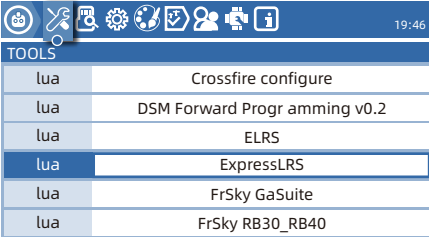Indicator Light

Binding

Binding Successful

ELRS Binding

It is recommended to check if the firmware of the module and the receiver are consistent before binding. If not, please use the SpeedyBee app for firmware updates.

▷ 1.Power the drone on and off three times to put the receiver into binding mode. The LED on the receiver will flash 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 receiver has a solid LED on, it indicates that the receiver binding is successful.

ELRS Binding

❶
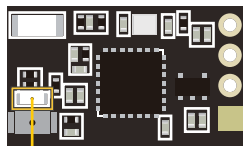
lua	Crossfire configure	
lua	DSM Forward Progr amming v0.2	
lua	ELRS	
lua	ExpressLRS	
lua	FrSky GaSuite	
lua	FrSky RB30_RB40	

TOOLS — 19:46

LED blinks twice:
during binding

❷

```
                                    0/500  -
Packet Rate            500(-105dbm)Hz
Telem Ratio            1:128
Switch Mode            Hybrid
Model Match            Off
>TX Power
>TX Administrator
>WIFI Connectivity
>Backpack
 [BLE Joystick]
 [Bind]
2.5.1 ISM2G4           a7e2e4
```
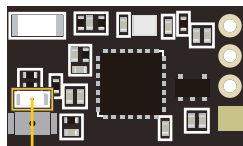

Solid LED:
binding successful

Pre-Flight Checks

▷ 1. Check if the drone is damaged. If damaged, inspect or repair it.

▷ 2. Please ensure that the propellers are rotating in the correct direction
   and the screws are tightened securely.

▷ 3. Please ensure the battery is tightly secured with the strap. Tidy or secure the
   battery balance head to prevent it from being hit by the propellers.

▷ 4. Check the battery voltage. When fully charged, the voltage should be 16.8V
   for 4S and 25.2V for 6S.

▷ 5. Turn on the remote controller, 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 to ensure there is no
   frequency conflict with others.

▷ 7. After powering on the drone, maintain a safe distance of 3 meters and test arming
   to see if all propellers work normally.

▷ 8. Please Take off in a safe area with no people nearby!