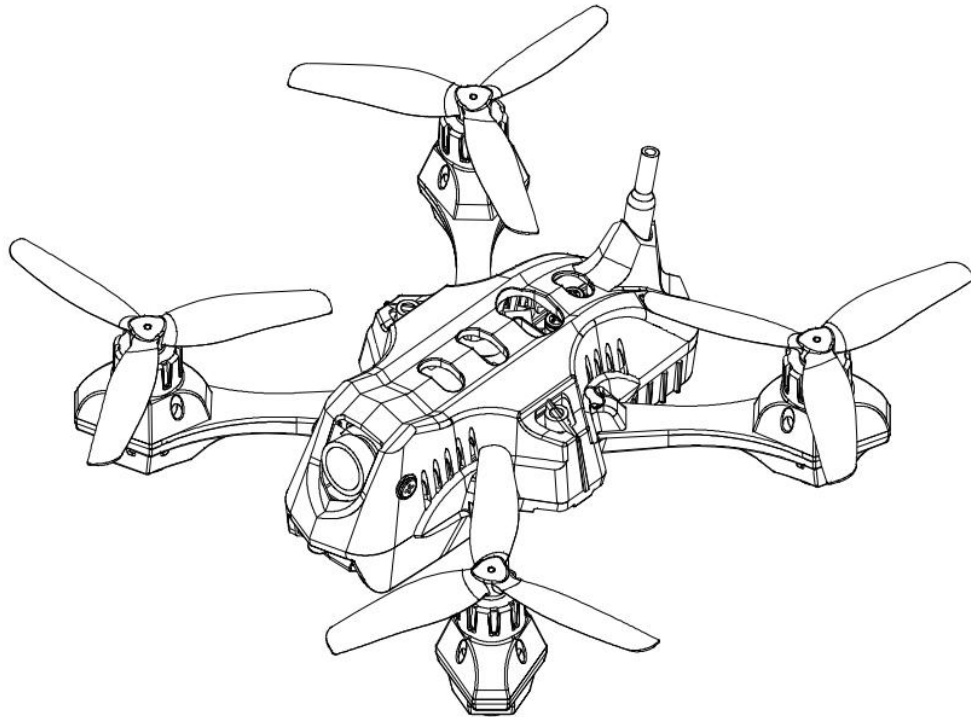


TINY LITE **Hawk** **Adventure**



Thank you for choosing the Tinyhawk Lite Adventure. Designed in California, USA. Made in China.

Tinyhawk Lite Adventure is designed to give you a real FPV flight experience in a compact, lightweight format. It is responsive, direct, and built for pilots who want full control.

Think of it like driving a manual sports car. It does not do everything for you, and that is the point. Your throttle, steering, timing, and judgment all matter. The more you practice, the more control you gain.

At first, FPV flight can feel challenging. You may overcorrect, lose orientation, or crash while learning. That is normal. Each flight helps you understand the controls, sharpen your reactions, and build smoother flying habits.

Before flying, read this manual carefully. Learn the controls, follow the safety instructions, and take your time with each step.

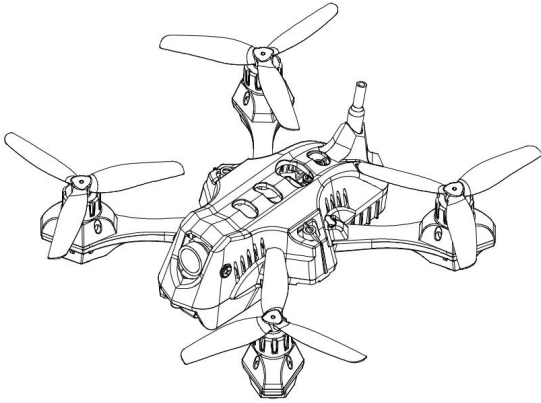
Tinyhawk Lite Adventure rewards practice, patience, and precision.

Prepare carefully, fly responsibly, and enjoy the flight.

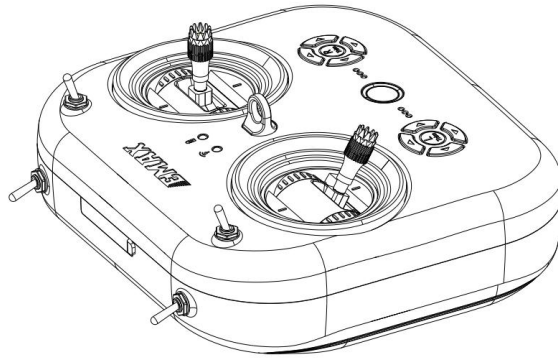
Part 1: Quick Start Guide (Read Before Your First Flight)

Tinyhawk Lite Adventure

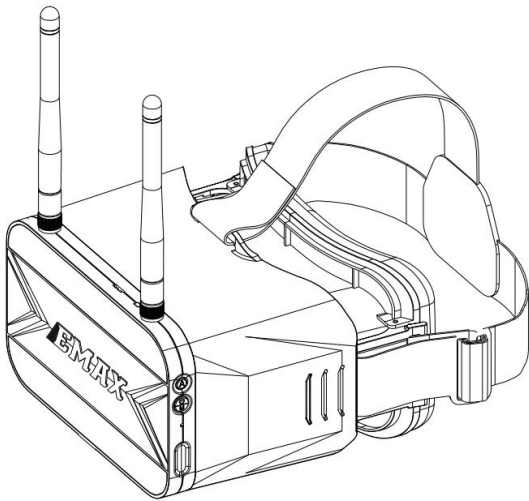
To start flying safely and quickly, follow this simple three-step process:



Tinyhawk Lite Adventure Drone



E8 Transmitter (ELRS 2.4 GHz)

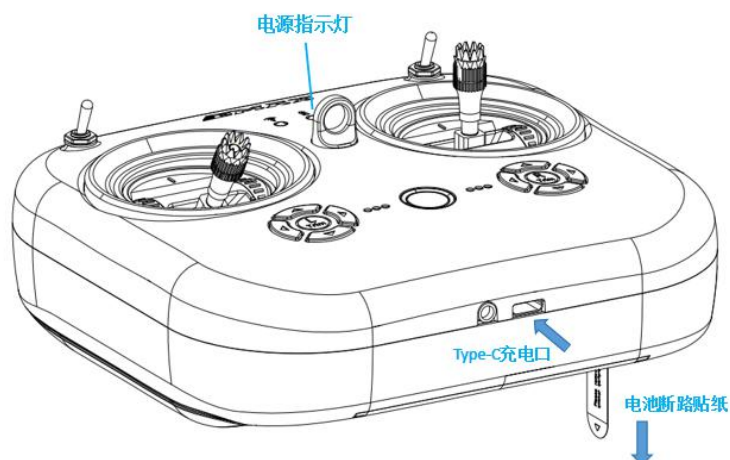


Transporter II FPV Goggles (No DVR)

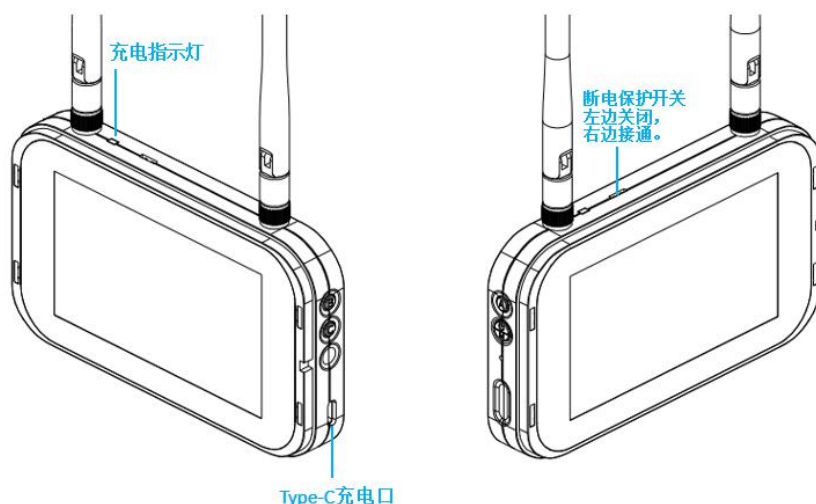
Step 1: Charge the Equipment

1. Charging: Fully charge the transmitter, goggles, and flight battery before flying. This is the first step toward a safe flight.

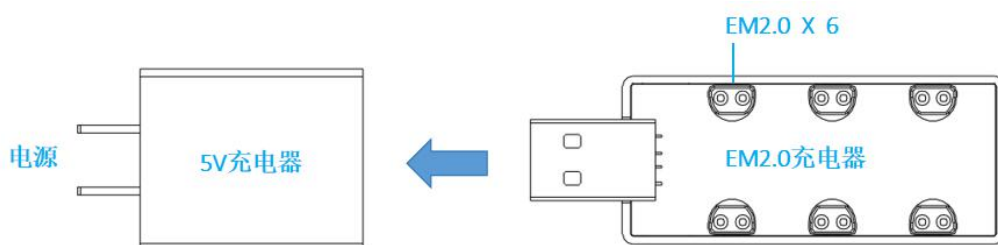
1.1 E8 Transmitter: First, pull out the battery isolation tab. Then charge the transmitter with a Type-C cable connected to a 5 V charger. The power indicator lights red while charging and green when fully charged.



1.2 Transporter II Goggles: First, switch on the power-protection switch. Then charge the goggles with a Type-C cable connected to a 5 V charger. The charging indicator lights red while charging and green when fully charged.



1.3 Battery Cartridge (1S 850 mAh): Connect the EM2.0 charger to a 5 V charger, then connect it to power. On the EM2.0 charger, the green light stays on while charging and turns off when charging is complete.



2. Choose a flight area: Use a spacious indoor area or a calm, open outdoor area with no people nearby. For your first flight, indoor flying is recommended.

Step 2: Prepare for Flight (Know the Equipment, Video Channel, and Binding)

1. Flight modes: The three-position AUX2 switch on the transmitter selects the three flight modes.

1.1 Angle Mode: Beginner friendliness 5/5 (safest)

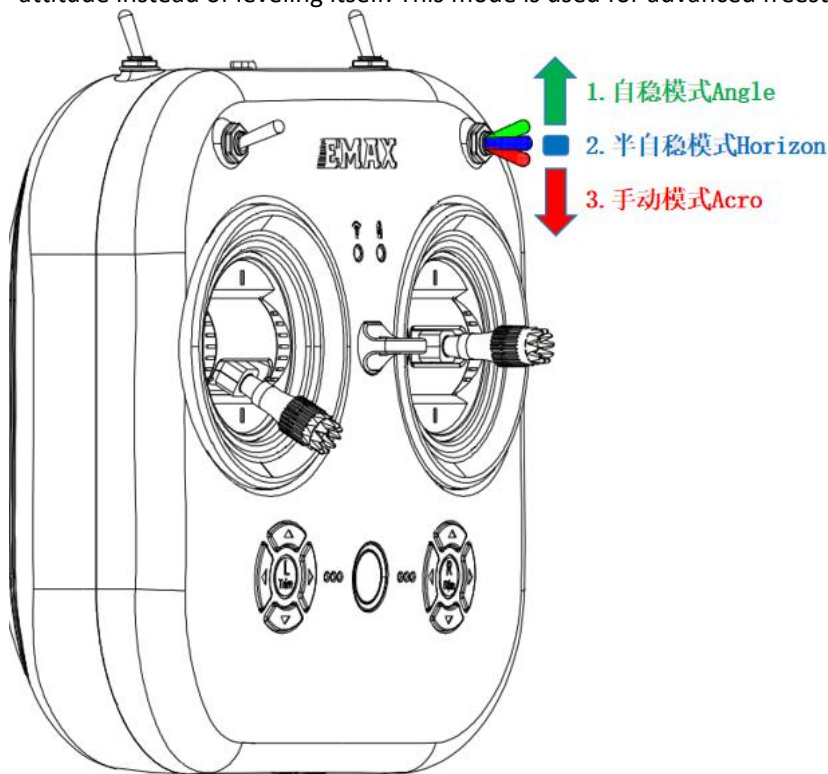
Angle Mode is the easiest flight mode. The drone limits its maximum tilt angle during flight, which helps reduce speed and makes control easier. When you release the sticks, the drone automatically levels itself and holds a hover.

1.2 Horizon Mode: Beginner friendliness 3/5 (less predictable)

Horizon Mode is a mix of Angle Mode and Acro Mode. With small stick movements, the drone self-levels. When the stick is pushed to its full range, it behaves like Acro Mode and allows flips or rolls.

1.3 Acro Mode: Beginner friendliness 1/5 (very easy to crash)

Acro Mode gives you full manual control with no angle limit. When you release the sticks, the drone keeps its current attitude instead of leveling itself. This mode is used for advanced freestyle and stunt flying.



2. Transporter II Goggles: Use the goggles for FPV flight.

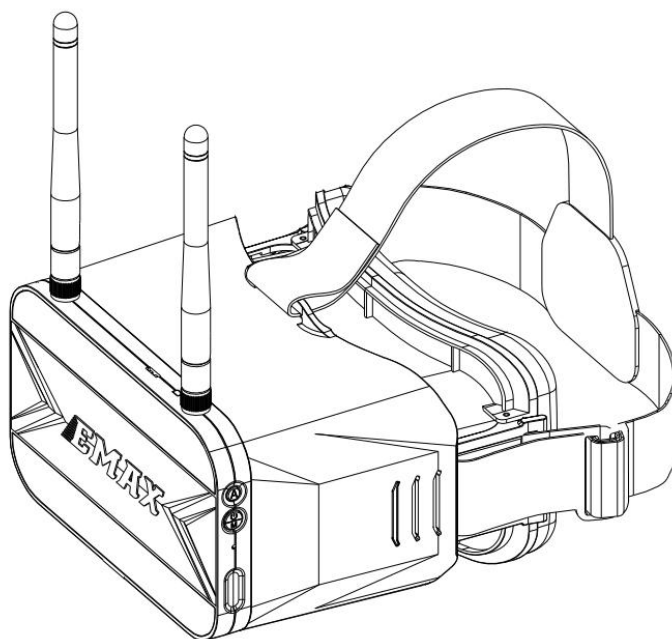
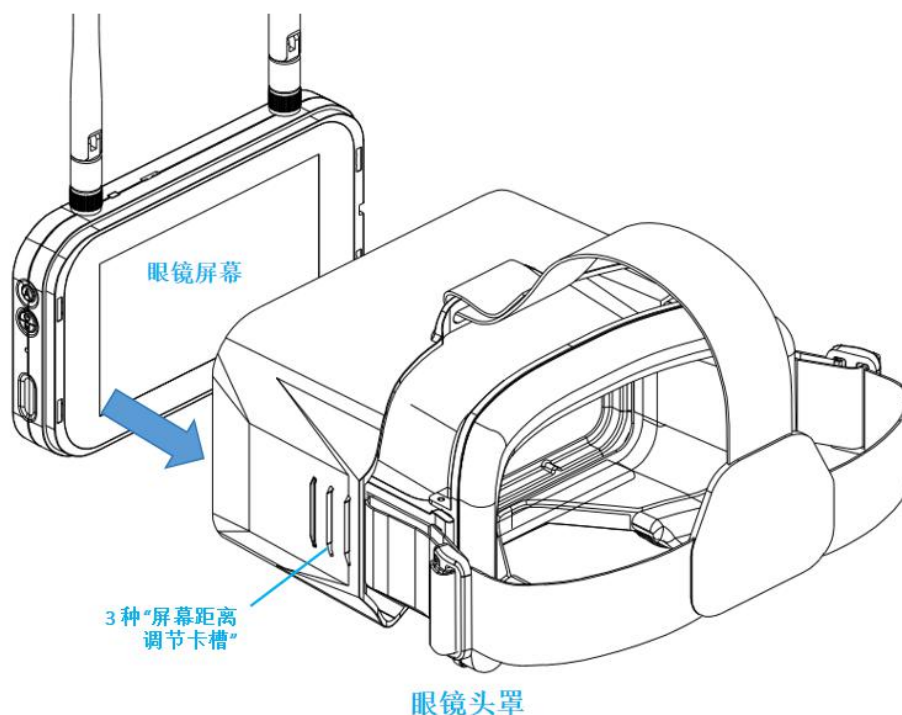
FPV means "first-person view." Instead of watching the drone from the ground, you fly as if you are sitting in the cockpit of a manual sports car. The camera on the front of the drone sends a live video feed to the goggle screen, giving you an immersive flying experience.

The Transporter II goggles support two viewing setups. Choose the one that feels most comfortable for you.

2.1 Setup 1: Immersive FPV Goggle Mode

- ① Attach the screen to the goggle shell using the strong magnets.

- ② Select the screen-distance adjustment slots that fit you best. The left and right sides must be set to the same position.
- ③ Put the goggles on your head and adjust the fit before flying.



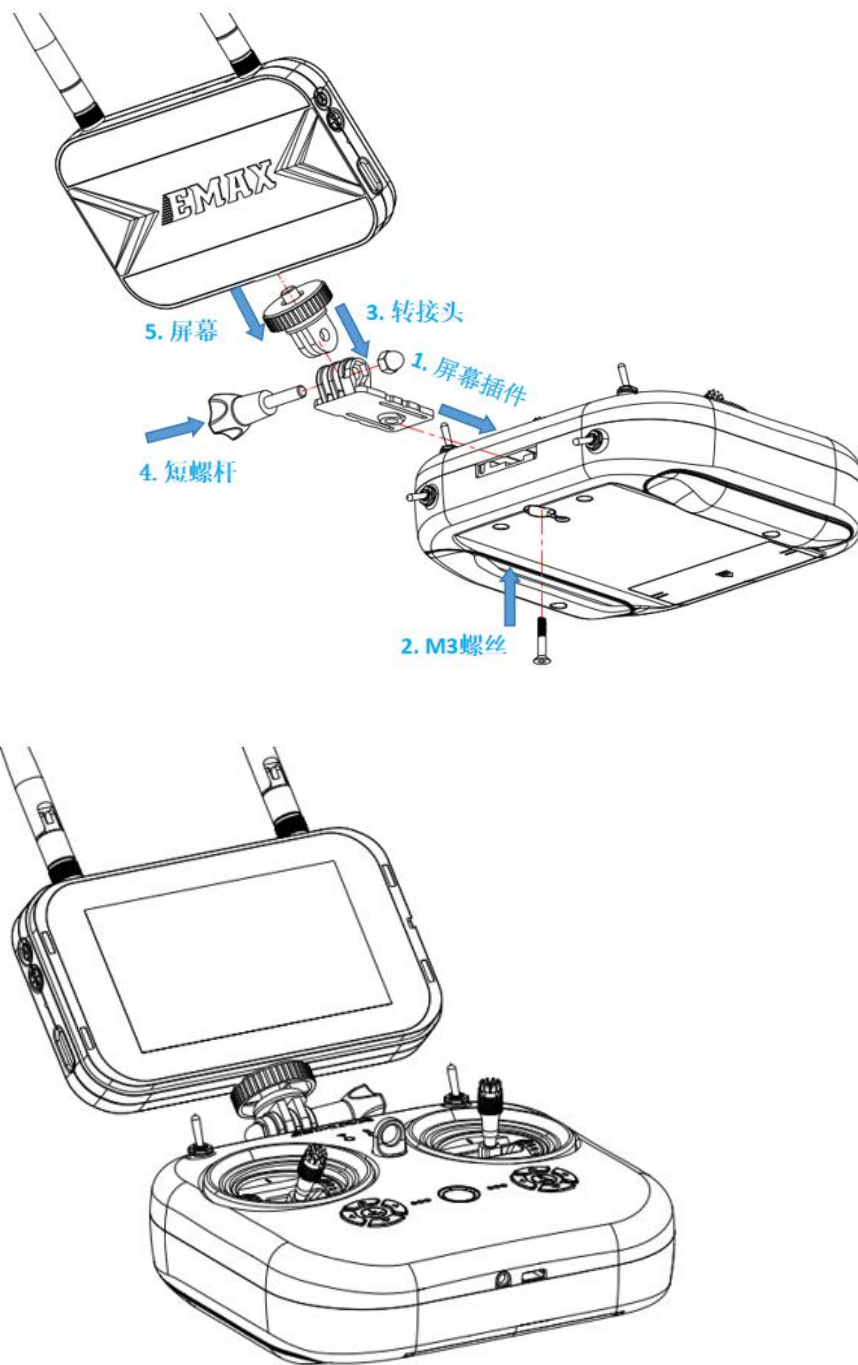
2.2 Setup 2: FPV Monitor Mode

Attach the goggle screen to the transmitter so you can watch the screen while also keeping visual awareness of the drone.

Choose this setup if you are prone to motion sickness, wear glasses, are new to flying, or feel uncomfortable using the full goggle shell. It is more beginner-friendly.

- ① Firmly insert the screen mount into the transmitter.
- ② Use the hex screwdriver to tighten the M3 screw into the transmitter.
- ③ Insert the adapter into the screen mount.
- ④ Use the short screw rod and nut to secure the adapter to the screen mount. Keep it snug, but not over-tightened, so the screen angle can still be adjusted up and down.

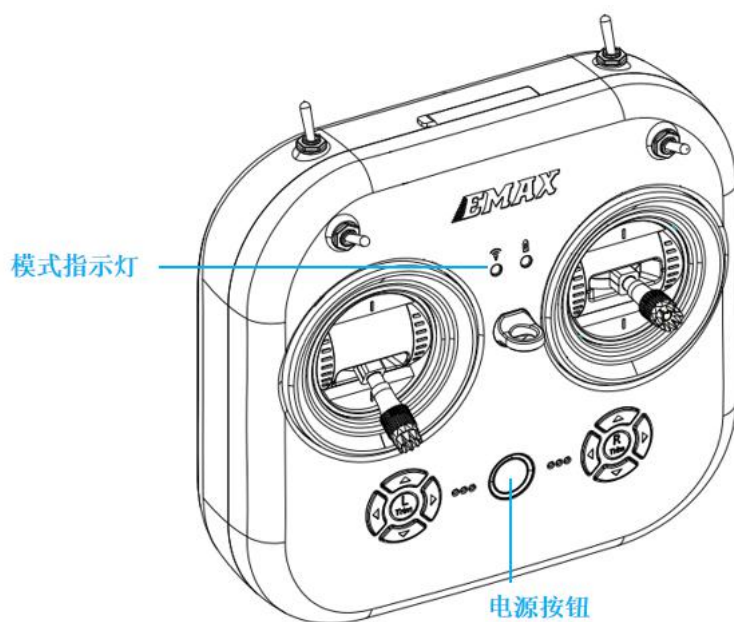
⑤ Secure the screen onto the adapter. The adapter can rotate left and right so the screen can face the pilot directly, as shown below.



3. Power on the equipment before flight:

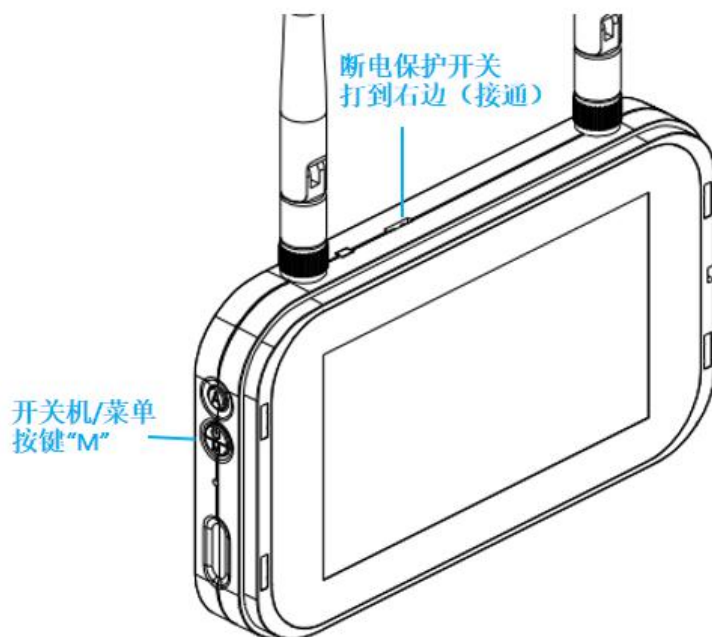
3.1 Powering on the E8 Transmitter:

Press and hold the power button until you hear one beep. The mode indicator will stay red, and the round power-button indicator will stay green. The transmitter is now powered on.



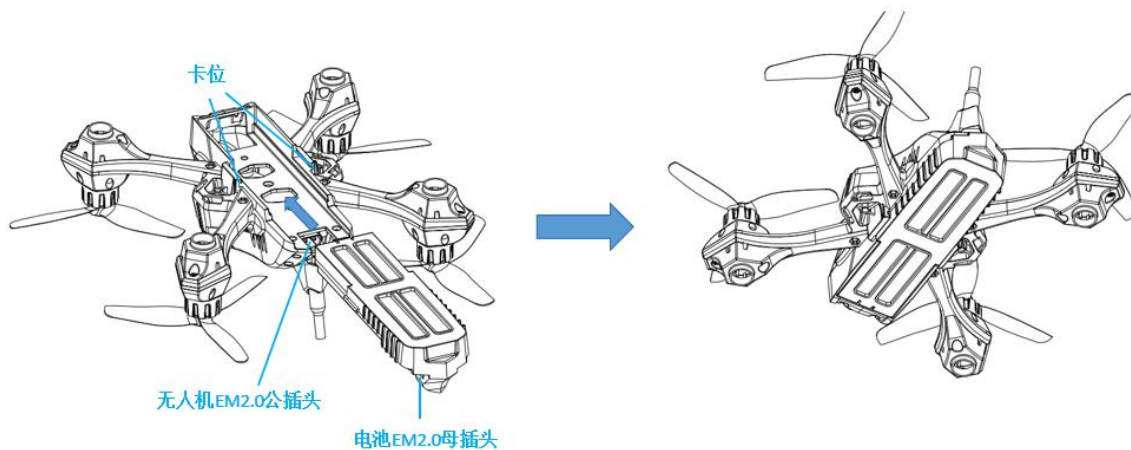
3.2 Powering on the Transporter II Goggles:

Make sure the power-protection switch is on. Press and hold the Power/Menu button "M" until the screen turns on and displays "EMAX." The goggles are now powered on.



3.3 Powering on the Drone:

Insert the battery cartridge into the drone battery slot, then connect the EM2.0 battery connector to the drone connector. Place the drone on a level surface and allow it to complete its level self-check. When the indicator lights turn on, the drone is powered on.



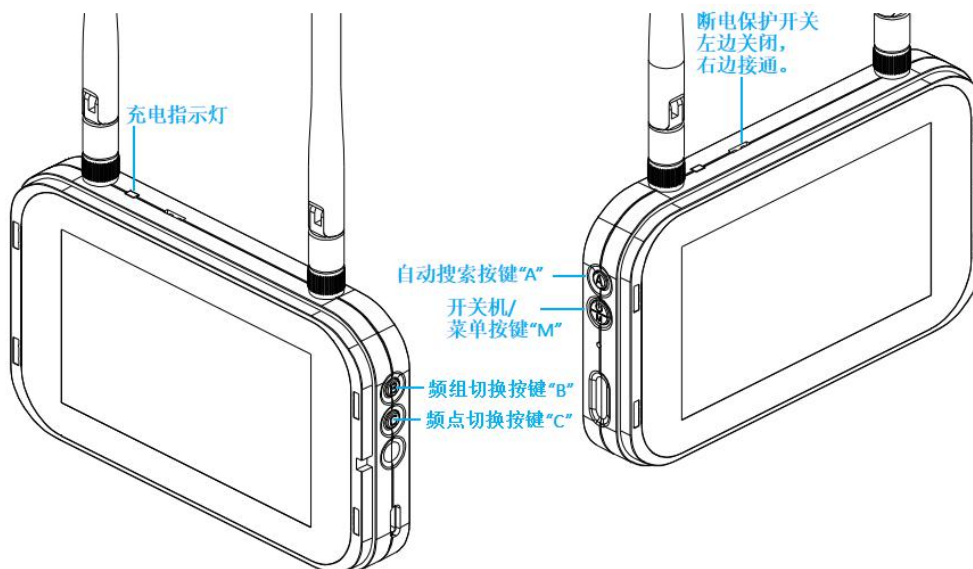
Note: If you are an advanced drone pilot with a valid HAM radio license, you may legally unlock the drone video transmitter to a higher output power by holding the button on the drone VTX while plugging in the battery. The button location may vary by model, and the available unlocked VTX power levels may also vary. You can also use stick commands, Betaflight, or the Betaflight OSD to adjust the VTX output level. For more information, refer to the drone user manual.

4. Connecting the Drone Video to the Goggles:

4.1 In the kit, the drone VTX channel and the goggle channel are set at the factory to channel R-04. After power-on, the goggle screen should show the live camera feed.

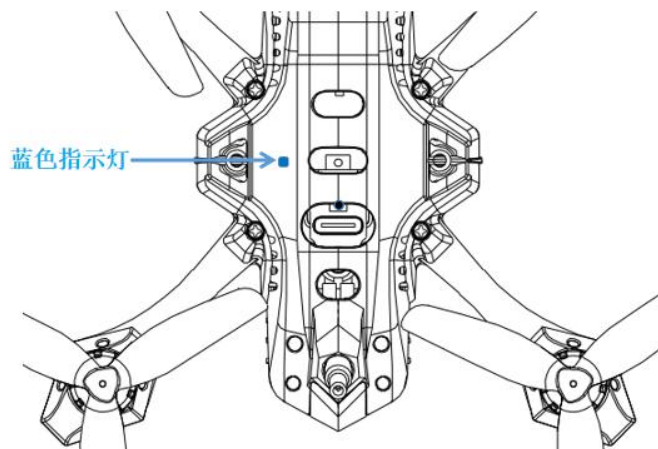
4.2 If no live video appears on the screen, connect as follows:

- ① Press the Auto Search button "A" once. The goggles will automatically search for the powered-on drone on channel R-04 and establish a video connection. Check whether the drone channel and goggle channel shown on the screen match. If they do not match, tune the channel manually.
- ② Manual channel tuning: Press the Band button "B" and the Channel button "C" to find the drone default channel R-04 and establish the video connection.



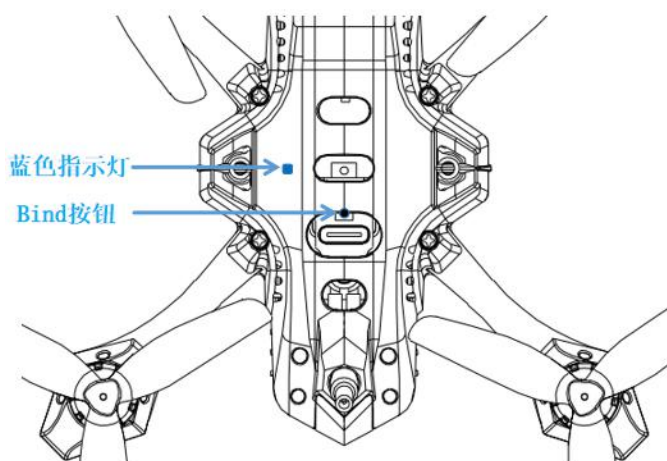
5. Binding the Drone and Transmitter:

5.1 The drone and transmitter included in the kit are bound at the factory. After power-on, the blue indicator on the flight controller board inside the drone should stay solid, which means binding was successful.



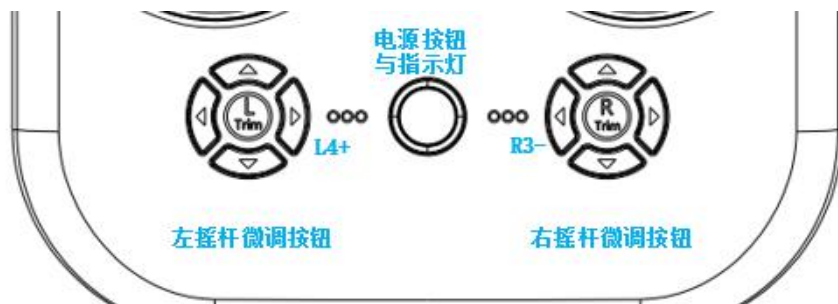
5.2 If the blue indicator on the flight controller board keeps flashing, the drone and transmitter are not bound and must be bound manually.

① Press the Bind button. The blue indicator on the flight controller board will change from slow flashing to fast flashing, indicating that the drone has entered binding mode.

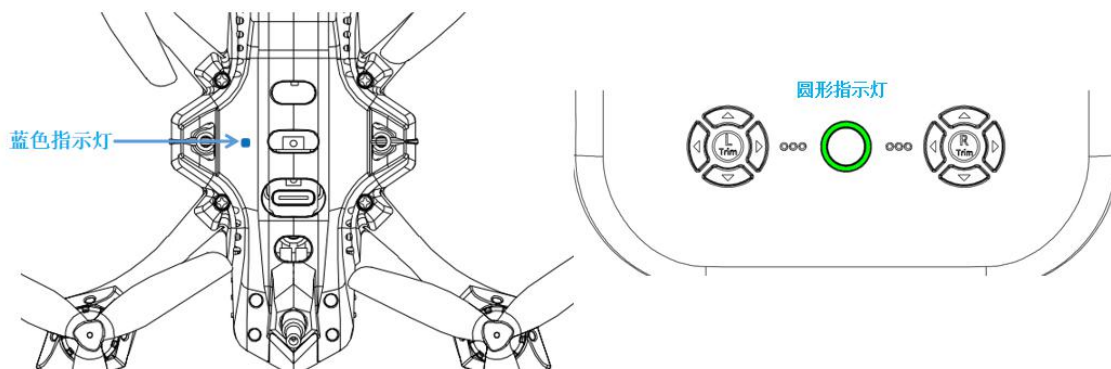


② Press and hold the L4+ and R3- buttons at the same time until the round indicator flashes alternately green and red.

This means the transmitter has entered binding mode.



③ Watch the blue indicator on the drone flight controller. When it changes from fast flashing to solid blue, and the transmitter round indicator changes from alternating green/red flashing to solid green, the drone and transmitter are bound successfully.



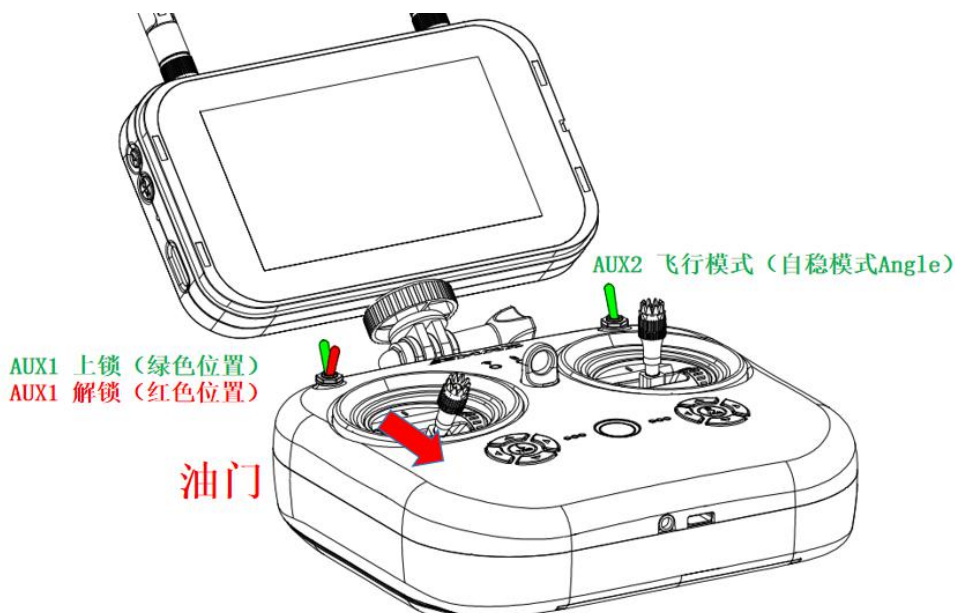
- ④ If binding fails, repeat steps 1-3 in section 5.2 until binding is successful.

Step 3: Flight Control

After completing Steps 1 and 2, you are ready to fly. Choose the flight setup and mode that suit you.
Example: FPV Monitor Mode with Angle Mode.

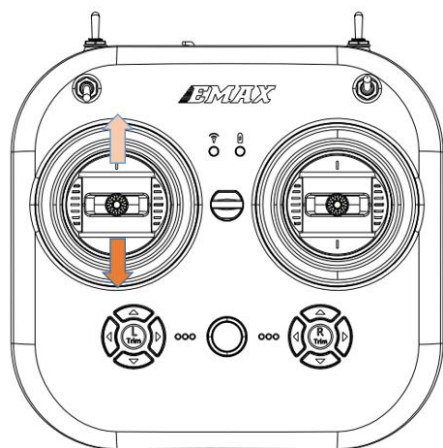
1. Arm the Motors:

- 1.1 Place the drone on a level surface, such as the floor.
 - 1.2 Make sure the throttle stick is fully down.
 - 1.3 Move the AUX1 arm switch from the top position to the bottom position. You will hear one beep, and the motors will begin spinning slowly. The drone is now armed. The propellers will spin - do not touch them.
- Tip: To disarm the drone, move the AUX1 switch from the bottom position back to the top green position. The motors will stop and the drone will be locked.

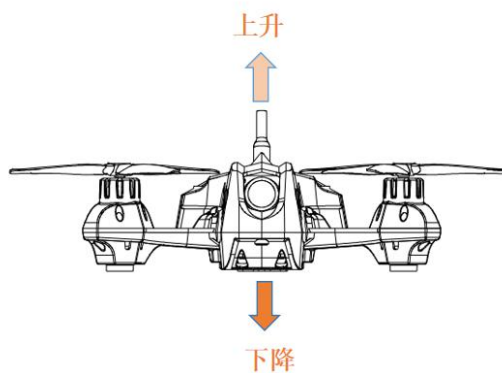


2. Flying with the Sticks:

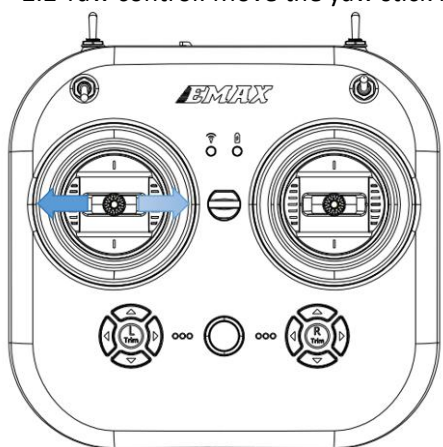
- 2.1 Slowly raise the throttle stick. The drone will gradually lift off. Slowly lower the throttle stick to descend. Try to keep the drone stable about 1 meter above the ground.



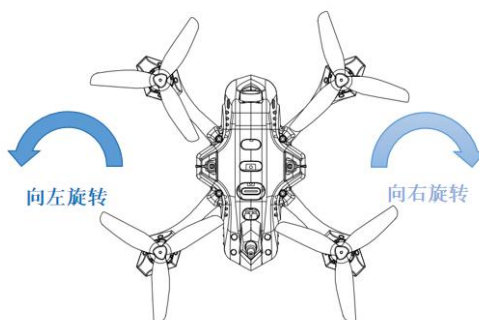
油门摇杆向上/向下



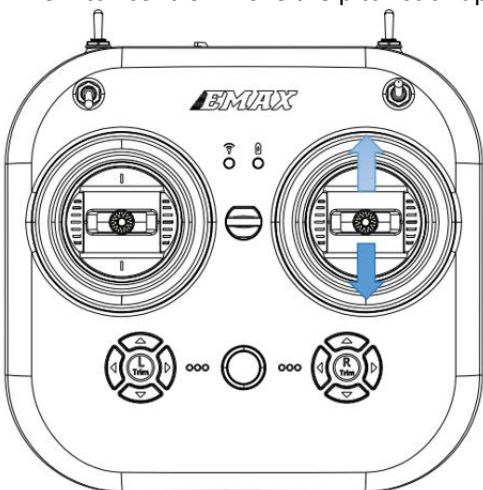
2.2 Yaw control: Move the yaw stick left to rotate the drone left. Move it right to rotate the drone right.



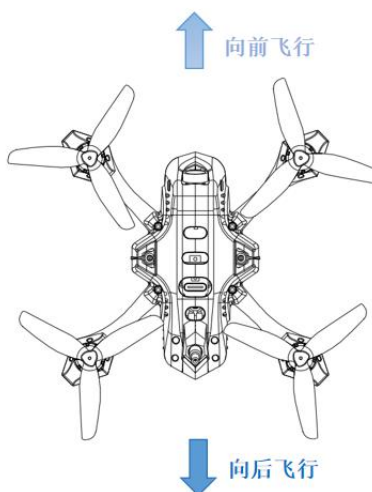
偏航摇杆 向左/向右



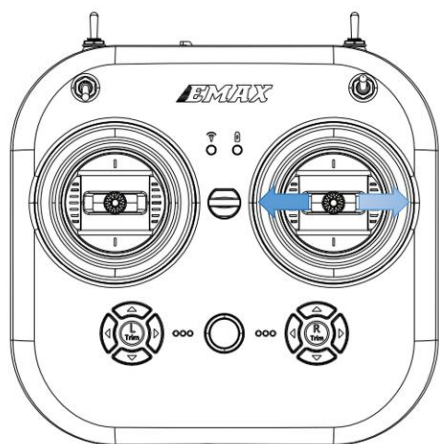
2.3 Pitch control: Move the pitch stick up to fly forward. Move it down to fly backward.



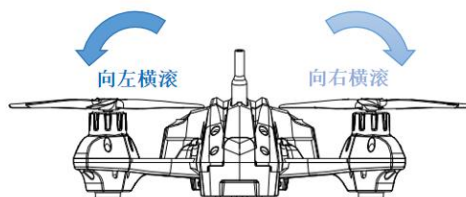
俯仰摇杆 向上/向下



2.4 Roll control: Move the roll stick left to roll/move left. Move it right to roll/move right.



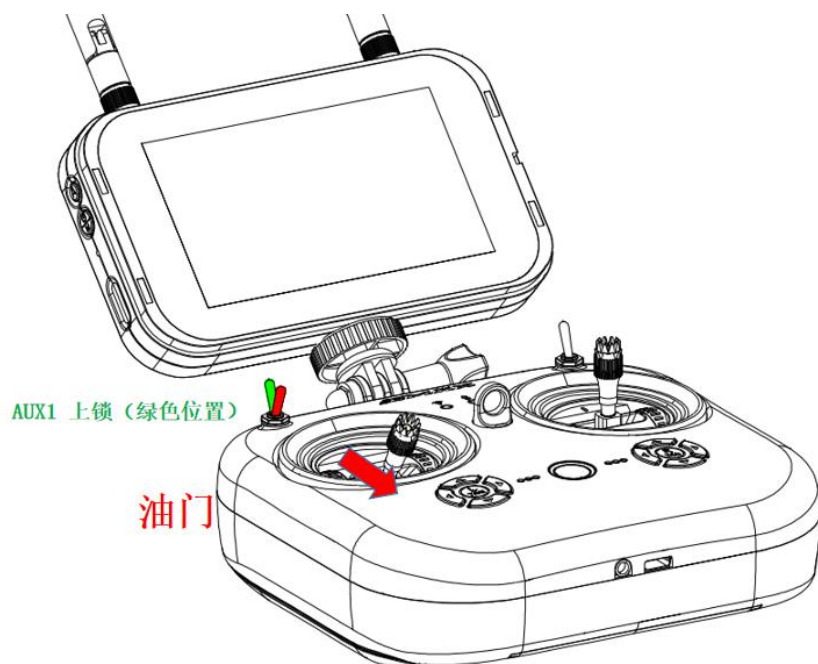
横滚摇杆 向左/向右



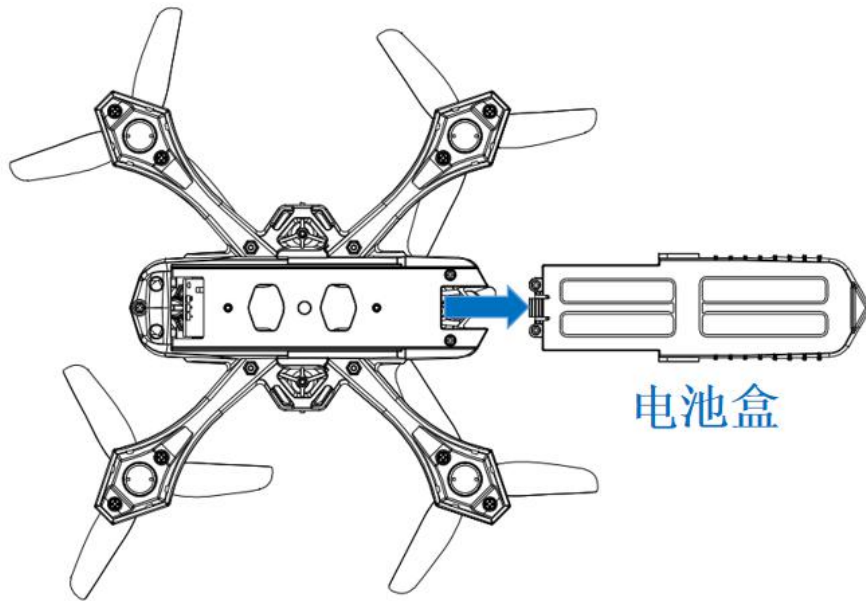
3. Landing and Powering Off: When the goggle screen shows a battery voltage of 3.3-3.5 V, the battery is running low. You usually have about 30-60 seconds before the battery is depleted. Return to your takeoff point and land.

3.1 Slowly pull the throttle stick all the way down. The drone will land gently.

3.2 Move the AUX1 arm switch from the bottom position to the top green position. The motors will stop and the drone will be locked.



3.3 Disconnect the battery from the drone and remove the battery cartridge.



Hold the goggle screen Power/Menu button "M" until the screen turns off.

Hold the transmitter power button until it beeps and turns off.

The EMAX team wishes you a safe and exciting start to your FPV flight journey!