

SkyGuy Tracker

User Manual



• Product Overview & Description

SkyGuy Tracker system consists of a **Tracker Transmitter** and a **Tracker Receiver**.

Transmitter:transmits signals and supports manual pairing and power control.

Receiver:displays signal strength, battery level, SNR and GPS coordinates.
It can also control the Transmitter's buzzer and light.

Recommendation:Pair the Transmitter and Receiver at close range before outdoor use.

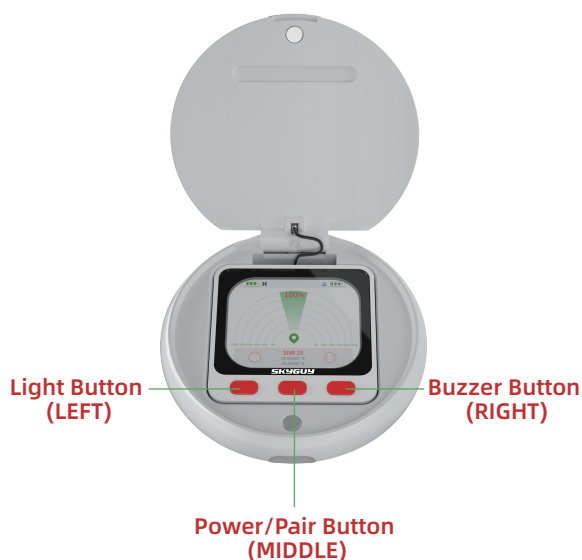
01 Transmitter



Button	Description
Power Button (RED)	Long press to power ON/OFF
Pair Button (BLUE)	Double-press to enter pairing /re-pairing mode

Item	Details
Weight	11g (13g including antenna)
Dimensions	25*25*15mm
Battery	Approx. 5 hours runtime; fully charge in ~75 minutes

02 Receiver

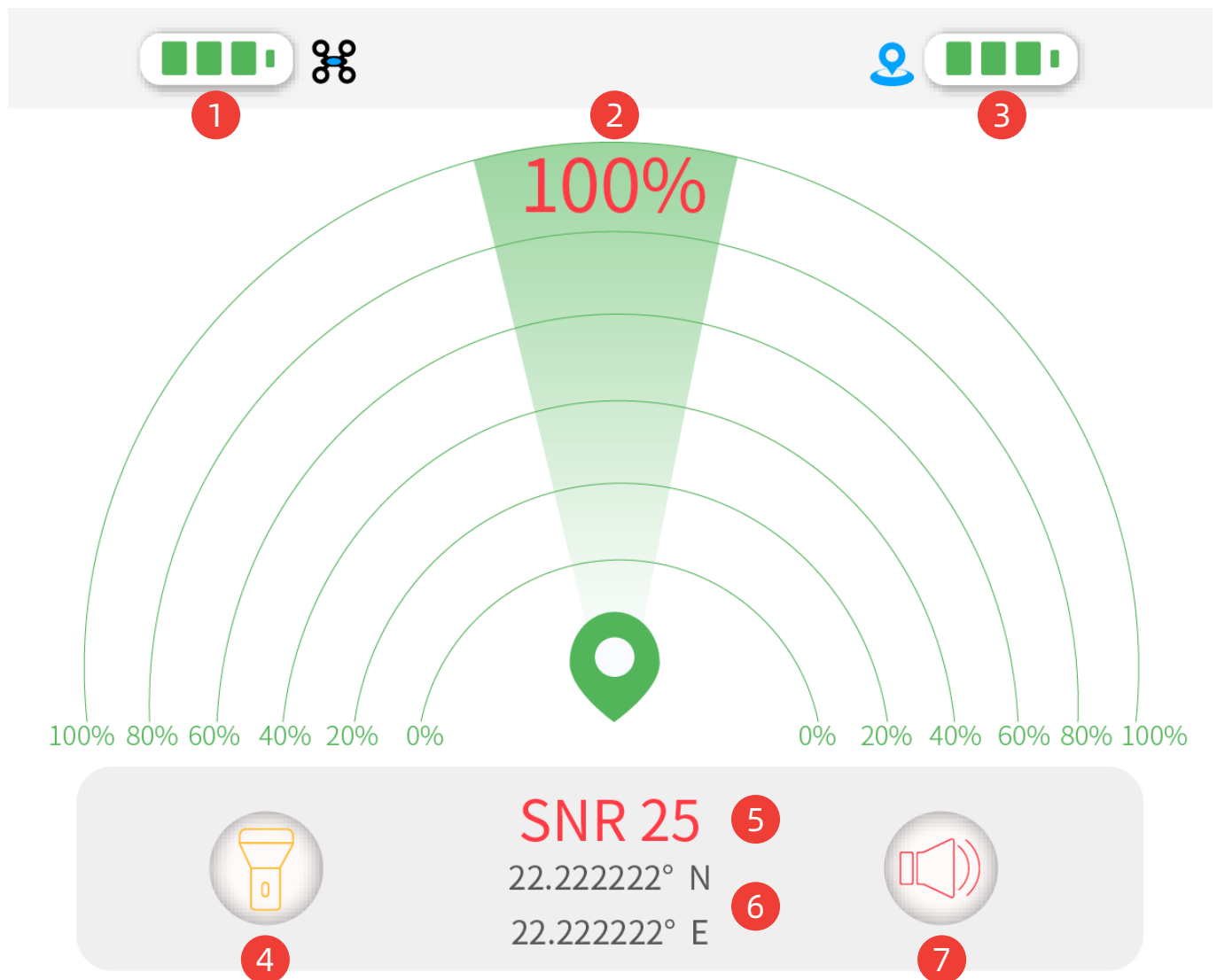


Button	Description
Power/Pair Button (MIDDLE)	Long press to power ON/OFF Double-press to enter pairing / re-pairing mode
Buzzer Button (RIGHT)	Short press to activate the Transmitter's buzzer
Light Button (LEFT)	Short press to activate the Transmitter's LED

Item	Details
Weight	90g
Dimensions	80*87*19mm
Battery	Approx. 5 hours runtime; fully charge in ~130 minutes

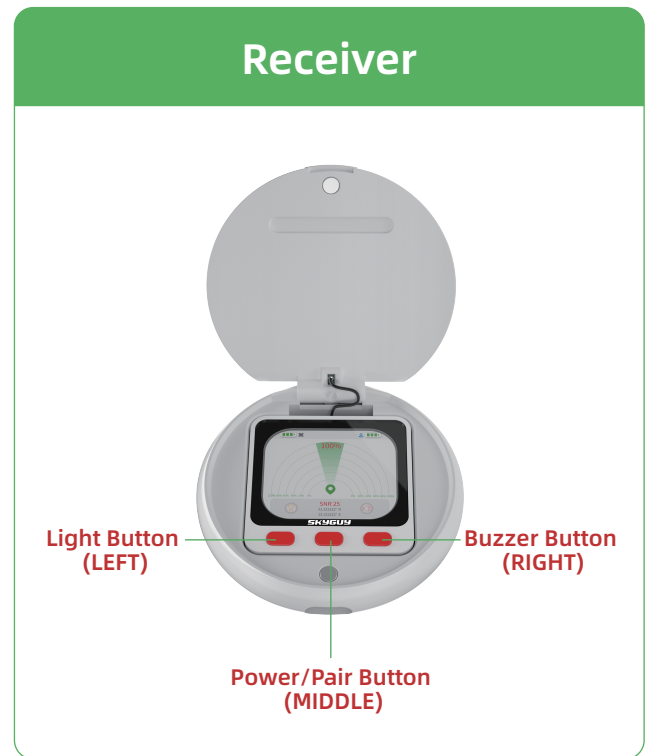
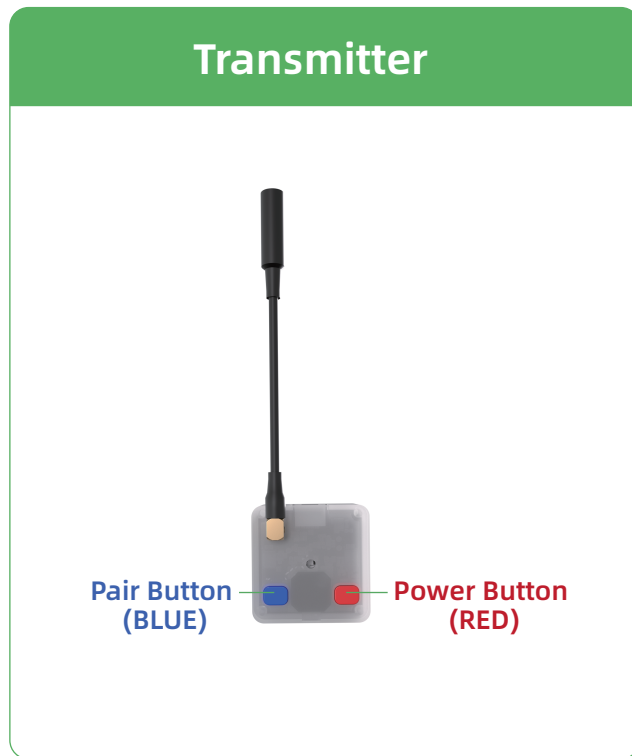
Range Note: In forested areas such as woods, parks, or environments with hills and obstacles, the effective signal range is approximately 900 meters. Actual range may vary depending on terrain, obstacles, and environmental interference.

• Receiver Screen Interface Description



No	Item	Description
1	Transmitter Battery	Displays the battery level of the Transmitter. Please recharge when the battery icon shows only one bar or starts flashing.
2	Signal Strength	Indicates the signal strength between Receiver and Transmitter. A higher value means closer distance.
3	Receiver Battery	Displays the battery level of the Receiver. Please recharge when the battery icon shows only one bar or starts flashing.
4	LED Indicator	Can be activated via the Receiver's Light (Left) Button, useful for locating the device in obstructed or low-light environments.
5	SNR	Helps evaluate signal quality; higher values indicate a clearer and more stable signal.
6	GPS Coordinates	Displays latitude and longitude for positioning. GPS data is not built-in; it is received from an external GPS source via the included 4-pin cable.
7	Buzzer	Can be activated via the Receiver's Buzzer(Right) Button for quick location when near the target device.

• Quick Start Guide



1. Fully charge both the Transmitter and Receiver.
2. Power on the devices:
 - Transmitter: long press the Power (Red) button
 - Receiver: long press the Power/Pair (Middle) button
3. Pair the Transmitter and Receiver:
 - Transmitter: double-press the left button
 - Receiver: double-press the middle button
 - Pairing completes in approximately 1 second.
4. Mount the Transmitter securely on the target device, ensuring it is firmly fixed to avoid loosening or detachment.
5. During search, observe the signal value and directional change on the Receiver. Move toward the direction of increasing signal strength.
6. When approaching the target, press the Receiver's buttons for quick location confirmation:
 - LED Button (Left): activate the light indicator on Transmitter
 - Buzzer Button (Right): activate the buzzer on Transmitter
7. After use, long press the power button on each device to turn them off, and recharge them promptly.

• Outdoor Usage Tips

- Before field use, please test pairing, signal reading, and buzzer function in an open area to ensure proper operation.
- In environments with obstacles such as forests, hills, or buildings, try changing your position or moving around the obstruction for more accurate direction judgment.
- During search, move slowly and observe continuous changes in signal strength; the direction with higher values indicates the Transmitter's location.
- When close to the target, prioritize using the buzzer for quick positioning, and use the LED indicator in low-light conditions.

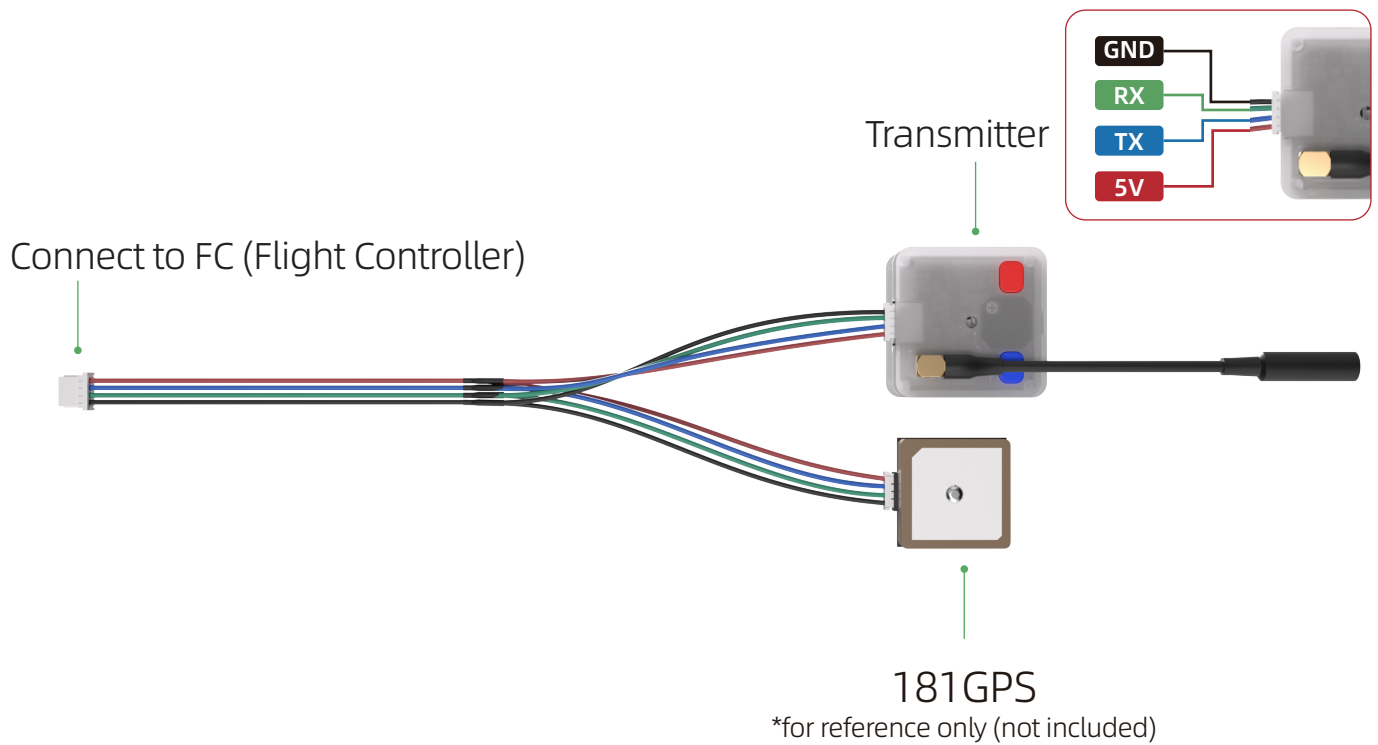
• Troubleshooting

Issue	Solution
Cannot pair	Check whether both Transmitter and Receiver are powered on and have sufficient battery. Double-press the Pair button (Blue on Transmitter, Middle on Receiver) to enter pairing mode.
Unstable signal	Check nearby obstacles or strong interference. Slowly adjust direction and position while observing signal changes.
Buzzer not working	Check whether the Transmitter is powered on and properly paired with the Receiver. Then short press the Buzzer Button (Right) on the Receiver to activate the buzzer.
LED not working	Check whether the Transmitter is powered on and properly paired with the Receiver. Then short press the LED Button (Left) on the Receiver to activate the light indicator.
Short battery life	Long-term storage without charging or low-temperature environments may reduce battery performance. Please fully charge before use and avoid deep discharge storage.

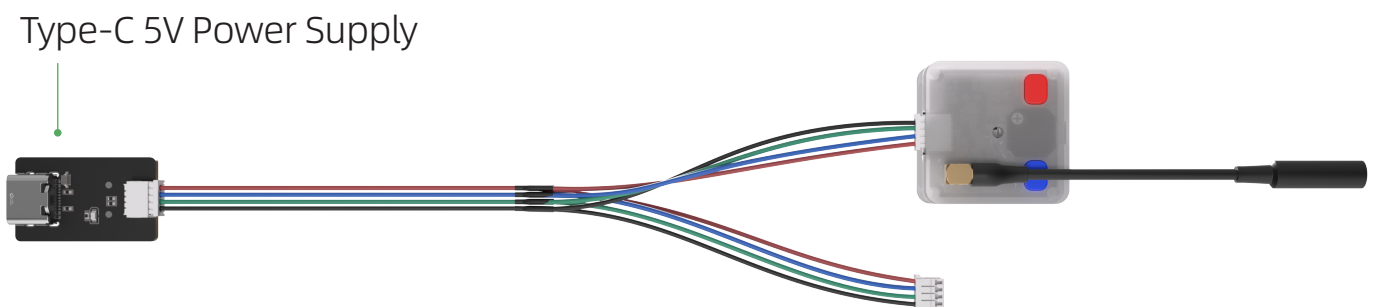
• Important Notes

- This product is designed for positioning assistance only. Actual search performance may be affected by terrain, obstacles, and environmental interference.
- Do not charge or use the product in high-temperature, high-humidity, strong magnetic, or flammable/explosive environments.
- If the product is not used for an extended period, periodically recharge it to avoid deep battery discharge.
- After outdoor use, for both Transmitter and Receiver, please check the housing, buttons, and charging port for dust, dirt, or moisture. Clean and dry before storage.

• Wiring Diagram



• Charging Diagram



*When fully charged, the built-in batteries of both Transmitter and Receiver provide at least 5 hours of operation.

• Usage Diagram

