

Handheld 4-frequency navigation decoy device

User manual

In order for you to be able to operate the equipment as soon as possible, we are equipped with a detailed user manual, from which you can get the product introduction, use methods, system Settings! And safety precautions and other aspects of knowledge.

We are very careful and rigorous in the preparation of this manual, and believe that the information provided in the manual is correct and reliable, but there will inevitably be mistakes and omissions, please kindly bear with us and warmly welcome your correction.

I, product advantages:

4 frequency navigation spoofing module Based on years of research and development accumulation and technological innovation, in order to make user integration more convenient and convenient, launched the smallest multi-frequency spoofing module in the industry, which can cover the mainstream GPS, BDS, GLONASS, GALILEO and other four major navigation systems. Navigation spoofing can be performed on drones with satellite navigation. The advantages of the device are very short initialization interval, long operating distance, small size and convenient integration.

II. Precautions:

1. Before using the device, ensure that the antenna is installed, and then power on the device.
2. Try to avoid large objects to ensure the effectiveness of countermeasures.
3. When used outdoors, pay attention to the waterproof effect and avoid exposure to the sun.

III. Packing list:

1. Product host *1
2. Battery charger *1
3. Antenna *1

IV.the product



V. product features:

1. Cold start initialization time is very short;
 2. Overlays navigation frequency
 3. Trick the distance
 4. Support 24 hours continuous operation
 5. Can be connected to external direction finding module, support directional drive
 6. Support network communication (need to be customized)
 7. Press the button to select an operation mode
 8. Support LED status interface
 9. Rf interface: N elbow *1
6. Equipment function
1. The power-on and startup time is fast, which can quickly meet the emission requirements
 2. Directional drive operation of UAV (external direction finding module required)
 3. Have a no-fly zone projection on the drone, forcing the drone to make an autonomous forced landing
 4. It has the function of interfering with the navigation of UAV
 5. It has the ability to hover the drone
 6. With external direction finding module function (serial port)

VII. Performance indicators:

NO.	项目	技术指标
1	Operating frequency band	GPSL1CA(1575.42MHz)、 BDSB1I(1561.098MHz)、 GLONASSG1(1602MHz)、 GALILEO(1575.42MHz)、
2	Navigation spoofing function	Uav no-fly projection (forced landing), directional drive away
3	Defensive radius	$\geq 2\text{km}$
4	Decoy intervention time	$\leq 10\text{s}$
5	Effective deception Angle	Horizontal: 360° Vertical: $\pm 90^\circ$
6	Deception quantity	Infinite frame
7	Signal transmitting power	18dBm
8	Duration of launch	$\geq 24\text{h}$
9	Power dissipation	$\leq 15\text{w}$
10	Weight	$\leq 3\text{ kg}$
11	Enclosure protection capability	IP65
12	Scope of work	$-40^\circ\text{C} \sim +55^\circ\text{C}$

VIII.Product instructions:

1,  Forward drive button. This mode requires an external direction finding module. Forward means that the direction along the direction finding module is forward, and it can also be understood that the direction pointed by the emitting antenna is forward. Both front and back and left and right are reflected in the transmitting antenna.

2,  backward drive button

3,  the left drive button

4,  right drive button

5,  hover mode button Press this key, when the launch button is pressed to start the hover mode

- 6,  no-fly zone projection mode button, press this key, when the launch button is pressed to start the forced landing mode
- 7,  If you do not select the cheat mode, press this key to only launch navigation interference
- 8,  The ready indicator is steady on: the launch conditions are met. It is mainly used to indicate the ready state after startup. Fast blinking: insufficient star search
9.  Alarm indicator Steady on: The hardware is abnormal. Blinking fast: the receiving antenna is not connected. Blinking slowly: the direction finding module is not connected
10.  Signal transmission status indicator Steady on: The transmission is on. Off: No signal is transmitted.
11.  Power switch

IX. Other questions:

1. It needs to be used in an open and unobstructed environment;
2. When navigation spoofing is enabled, surrounding positioning devices may be affected. Therefore, use it with full knowledge of the local environment.