

# Polaris Hobit **P1** pro

User's Manual v1.4



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# 1. Products

The Hobit P1 pro shield portable drone detection and strike equipment is portable and simple operation , With UAV multi-frequency strike function and UAV reconnaissance and identification function.

Function	Descriptions
Defensive Interference	Hobit P1 pro has interference capabilities of 900MHz, 1.5ghz, 2.4ghz, 5.8ghz and other frequency bands, and covers most of the UAV communication available in market.
Powerful interference	A targeted design was developed for the new UAV Mavic 3 to achieve better jamming results. By studying the technical specifications and operating principles of the Mavic 3, we determined a jamming strategy to target its communication and navigation systems.
Navigation signal shield	The product has efficient navigation signal blocking function, which can effectively block the signals of many navigation systems, including GPS L1\ L2, BeiDou B1, GLONASS and Galileo.
Convenience	The carefully designed lightweight size makes the device extremely convenient to carry and operate, whether stored in the vehicle or carried to different workplaces.
Touch-screen operation	Gestures or operations on the touch screen can complete UAV direction finding, detection sensitivity adjustment, interference power adjustment and other operations.
unmanned aerial survey	High-performance detection antenna , After the specified operation, Accurate drone bearings can be obtained.
intelligent identification	The product comes with an artificial intelligence database, the device can recognize most of the drones on the market.
handles	The product is equipped with ergonomically designed

handles to provide users with a comfortable gripping experience and reduce fatigue during operation.

## Security

The product is equipped with battery under-voltage protection, over-current protection, over-temperature protection and voltage VSWR protection. Multiple protection measures are adopted to effectively prevent the backward radiation of electromagnetic energy.

## 2. Features

Features	Descriptions
Interference band	CH1:800MHz ~ 930MHz
	CH3:1.555GHz ~ 1.625GHz
	CH4:2.400GHz ~ 2.485GHz
	CH5:5.725GHz ~ 5.850GHz
Nominal voltage	DC24V
Power consumption	≤100w
Battery Durability	Up to 2 hours
Screen size	3.5 inches
Interference radius	1.5km
Weight	2.5kg
Sizes	300mm*260mm*140mm
Protection level	IP55

### 3. Management Platform

Overall Appearance:



Sample Chart

The top right switch is the display switch, turn it on to enter the anti-drone system interface



Hobit P1 pro device supports two operating modes, which can be used simultaneously or separately.

### 1: DETN mode

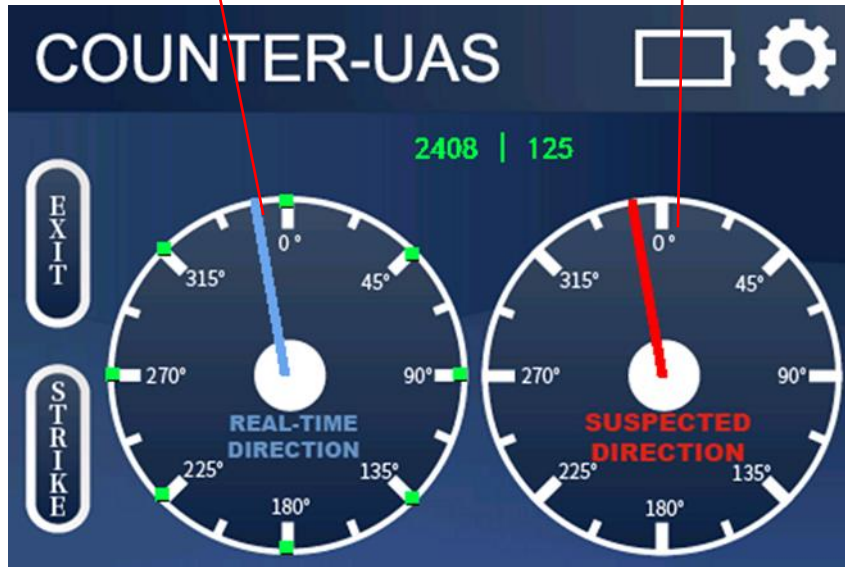
Click DETN to enter the detection page, when a drone is detected. The display will show the current drone model and band;



Continue clicking on DIRECTION FINDING to enter the drone location finding page, where you can get the drone's bearing;

Real-time device

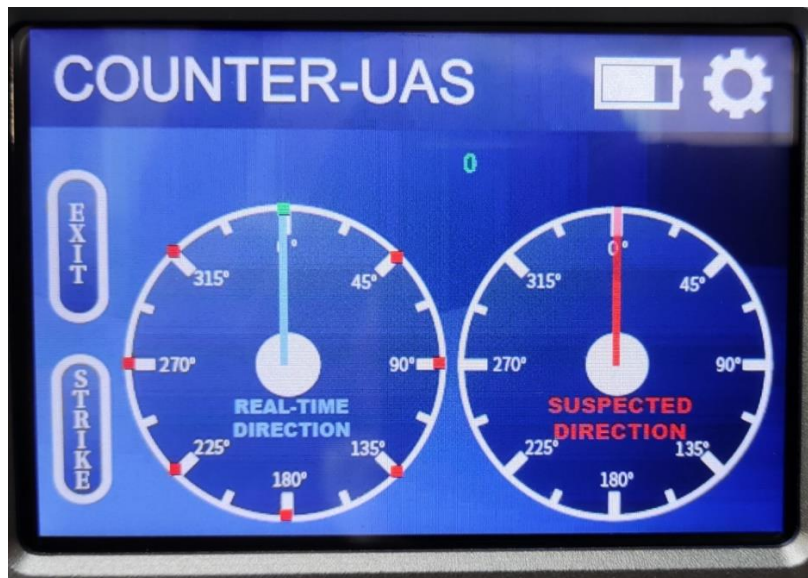
Drones directions



## Note:

You'll need to perform a "gesture location" to get the drone's position.

In the initial state , The REAL-TIME DIRECTION pointers is red.



initial state



## gesture location :

Turn the handheld device "slowly" around 360°, taking care not to rotate it too fast during the positioning process.



Positioning complete.

## 2:STRIKE mode :

Default jamming bands is 5.4G HZ and 2.8G HZ, Click STRIKE to enter the jamming page,

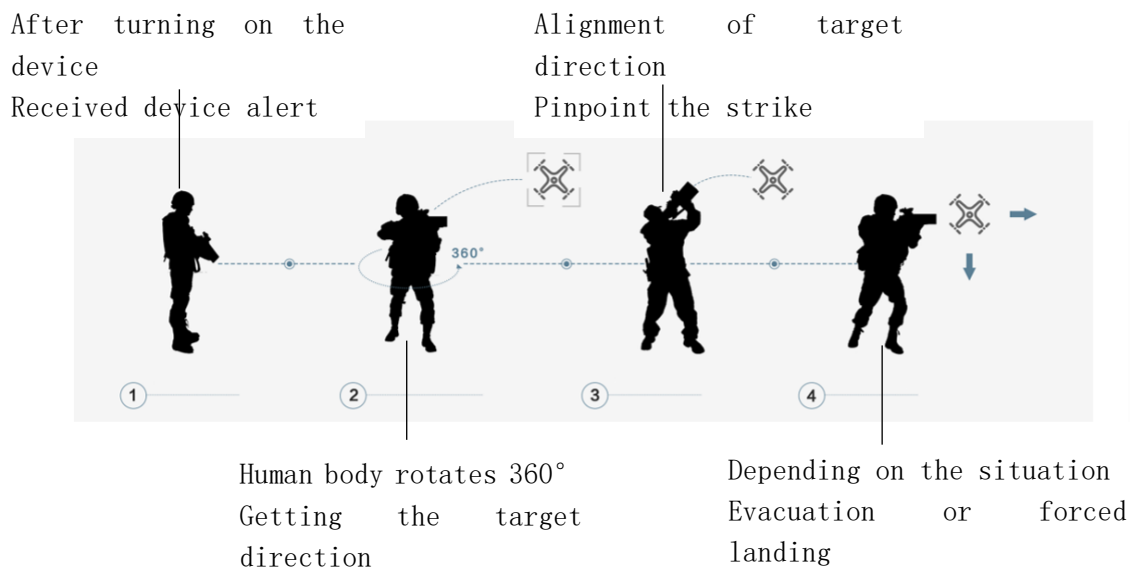


The STRIKE band can be selected by clicking on the corresponding band position.

DRIVE AWAY is the repel mode, when turned on the drone will return to the navigation point.

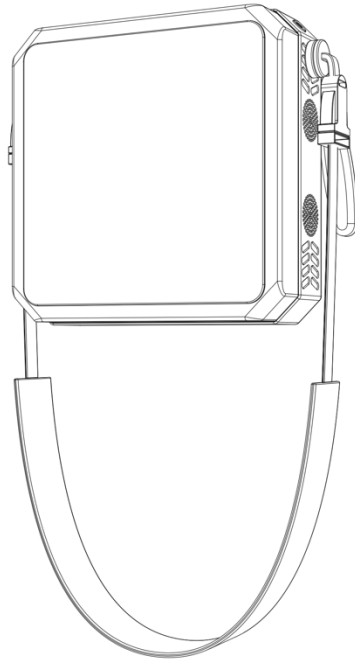
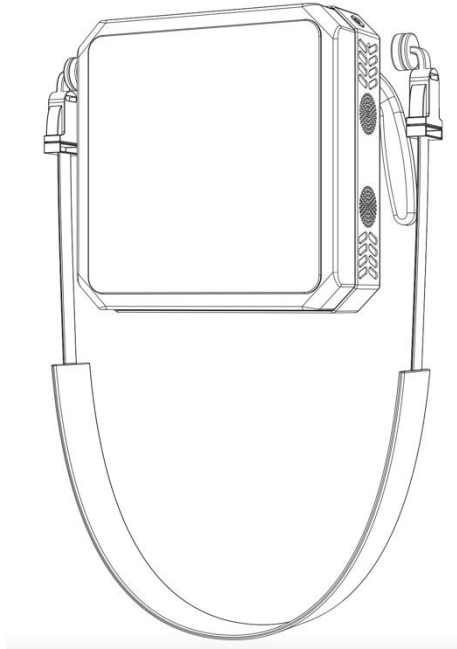
FORCED LANDING is a forced landing mode, when turned on the drone will drop in place to the ground.

## P1 pro Workflow diagram:

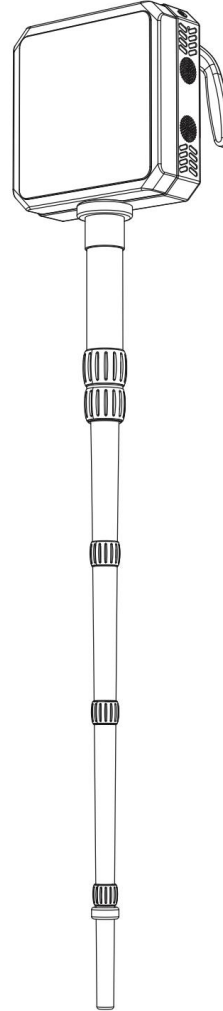
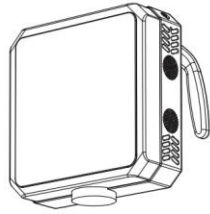


## Installation Guide :

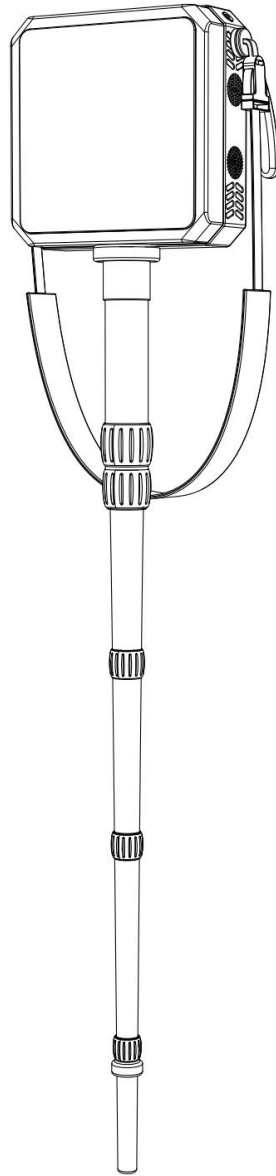
### 1) Carrying Strap



## 2) Tripods



### 3) Combined



## 4. Shipping List

Hobit P1 pro detection and jamming device ×1

battery charger ×1

Box ×1

Tripods and Carrier Straps ×1