

## Integrated Long-lasting Battery Portable LCD Touch Screen SDR Frequency Jammer When Applied To Bomb Disposal Counter-terrorism And Technical Investigation Can Effectively Shield Signals

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: MYT
- Certification: CNAS、CMA、CAL、ILAC-MRA
- Model Number: DT-10
- Minimum Order Quantity: 1
- Price: Pricing is negotiable based on order quantity
- Delivery Time: 10 work days
- Payment Terms: TT,LC
- Supply Ability: 1000units per month



### Product Specification

- Working System: Digital Phased Array (azimuth Scanning+elevation Scanning)/pulse Doppler
- Working Band: X
- Effective Detection Range: 100m 5.0km UAV; RCS=0.01
- Azimuth Coverage: 360°
- Interference Pattern: SDR (Software Defined Radio)
- Interference Frequency Range: 8MHz 6500MHz
- Output Power:  $\leq 320W$
- Number Of RF Modules:  $\leq 8$
- Number Of RF Channels:  $\leq 21$
- Antenna Type: Broadband Omnidirectional Antenna
- Antenna Module: Includes An Antenna Panel And A Retractable Metal Antenna
- Total Power Consumption Of The Entire System: 1250W



### More Images



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## Product Description

### AT-502 Portable SDR Frequency Interference Instrument

#### 1, Product overview

The AT-502 portable SDR frequency jammer is widely used in explosive disposal, counter-terrorism, and technical surveillance scenarios requiring wireless signal blocking. It effectively blocks signals from remote control devices (including drones and unmanned vehicles), digital walkie-talkies, 2G,3G, and 4G mobile phones (TD-LTE and FDD-LTE), 5G phones (700MHz frequency band for broadcasting and 2.6G,3.5G,4.8G,4.9G), Bluetooth, and 2.4G,5.8G WiFi.



#### 2, Product Technical Specifications

project	Specification Description
interference pattern	SDR (Software Defined Radio)
interference frequency range	8MHz 6500MHz
output power	≤ 320W
Number of RF modules	≤8
Number of RF channels	≤21
Antenna type	broadband omnidirectional antenna
antenna module	Includes an antenna panel and a retractable metal antenna
power supply mode	The AC220V external power supply with an integrated lithium battery pack enables seamless switching. The battery life of pure lithium batteries is≥70 minutes.
Total power consumption of the entire system	1250W

interference distance	<p>Wireless mobile communication:&gt;40 meters (environmental background strength RSRP: -90dBm)</p> <p>Unmanned aerial vehicle remote control, navigation jamming:&gt;500 meters</p> <p>Walkie-talkie interference:&gt;40 meters (civil walkie-talkie, transmission power: 3W)</p> <p>Unmanned vehicle, remote jamming:&gt;40 meters</p>
Machine dimensions	(570mm * 343mm * 678.6mm)±20mm
Total weight of the machine	< 48kg
Protection level	IP54
working temperature	-20 ~45
storage temperature	-30 ~55

#### 4, Product features

Full-band signal shielding: seamless coverage across the entire frequency range from 8MHz to 6500MHz

SDR Architecture Design: Based on the SDR (Software-Defined Radio) framework, this solution targets specific technical parameters including signal physical layer specifications and modulation methods to deliver precise and efficient jamming. It effectively mitigates interference from 4G LTE and 5G SR/NSR mobile signals. The system's advanced SDR algorithms and jamming strategies achieve lower power consumption, extended interference range, and enhanced effectiveness.

Low transmission power: Utilizing signal-level shielding technology, it eliminates the need for high-power suppression to generate interference. The device's total transmission power is 350W, generally lower than comparable products.

Integrated Antenna Design: A single unit contains all components, allowing one-handed operation with portability and practicality

Long battery life: The device is equipped with a built-in lithium battery that can operate normally for 70 minutes.

Modular design: Standardized interfaces enable plug-and-play modules with strong scalability and easy maintenance. The standard plug-in frame supports up to 8 independent business modules/15 RF channels, allowing flexible configuration as needed.

One-touch power function: Supports full-band and sub-band operation modes, effectively improving interference performance across different wireless coverage areas.

High maintainability: Supports software upgrades without hardware replacement, quickly addresses interference requirements for new 5G frequency bands, and offers remote upgrades.

Self-diagnosis feature: The software platform monitors the operational status and alarm reports of each independent business module, enabling rapid fault diagnosis.

LCD touch screen: Supports external network port communication for local or remote control





## 5, After-Sales service

- 1) We offer 24 hours service after sales
- 2) If there are any usage or quality issues with the product, we provide online technical support to diagnose the cause of the problem.
- 3) Should you find the products unsatisfactory, kindly return it to us within a period of 3 months from the date of dispatch. Upon receipt and inspection, should the products be found to be free from any damage attributable to human factors, a full refund will be granted. Alternatively, we can engage in discussions to amend the product and subsequently reship the product to you.
- 4) This PI is applicable to the DDP shipping agreement.

## 6, Application Scenarios





## 7, Certification Certificate



## 8, Company profile

Chongqing Miao Yitang Technology Co., Ltd. is a specialized company engaged in anti-drone and unmanned intelligent defense management. With the technical support from the AI Internet of Things Research Institute of the Chinese Academy of Sciences and collaborations with multiple intelligent AI companies, the company has established research laboratories for AI unmanned field products, accumulating a variety of technical patents.

The company's products are widely applied to unmanned automatic management solutions for various defense and perimeter areas, including AI anti-drone systems and AI unmanned vehicle patrol systems. These systems integrate with multiple technologies such as optoelectronics, radar, vibration, thermal imaging, facial recognition, and radio frequency management, truly achieving a 24-hour uninterrupted anti-drone defense and ground perimeter defense warning system. This allows for cost savings for clients, reduction in human resource allocation, and

ensures the safety of clients' lives and property. The outstanding security system has won the company an excellent reputation and created higher value for its partners.



## 9, Customer Service

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## CUSTOMER SERVICE

- \* Fast and patient communication: professional sales reply immediately
- \* Fast delivery: usually 2-7 days
- \* Flexible Safe shipping: fast by air or sea with cheap freight
- \* Customer-friendly: complete user manual and exact video training provided
- \* After sales service: one year warranty and life time technical support



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