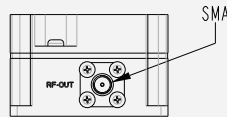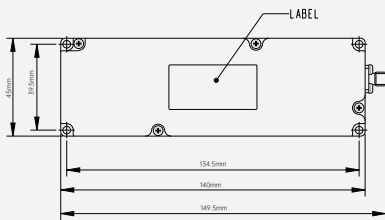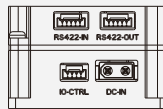# SDR Counter-UAV Digital Module

A universal digital RF module based on Software Defined Radio architecture, consisting of two parts: digital source and power amplifier unit.

Effective for Various UAVs

Generating interference source signals with different digital modulation methods, supporting common protocols such as ELRS, Crossfire, Flysky, Ocusync, Lightbridge, and Skyleas

Low Output Power

Generate specific interference codes for different UAVs, achieving longer effective interference distance with lower output power

Easy to Integrate

Modular design, easy to integrate, enables devices to quickly support UAV countermeasures

Investment Protection

Based on SDR architecture, algorithm upgrades can be done through software, without hardware replacement

Module Model	Max Bandwidth	Max Output Power (CW*)	Efficiency (CW*)	Remarks
MS0400P25	100MHz	25W	>50%	
MS0868P50		50W		Default output 860~885MHz jamming signal
MS0900P50		50W		Default output 860~930MHz jamming signal
MS0915P50		50W		Default output 902~930MHz jamming signal
MS1200P25	200MHz	25W		Default output OFDM jamming code
MS1400P25		25W		Default output of GPS, BDS, GLONASS, Galileo navigation jamming codes
MS1600P25		25W		
MS2400P50		50W	>45%	
MS5200P50		50W		
MS5800P50		50W		

*CW：Continue Wave

SDR Counter-UAV Digital Module Evaluation Kit

Step 4
Set up on the IPC software, including port selection, jamming code configuration, and turn-on/off the jamming

SDRControl.exe
IPC Software

SDRControl — □ ×

Port: COM5
Jamming Code:
Gain: 15
Configure
Jamming On
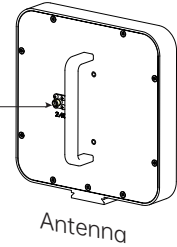
Antenna

Step 1
Connect the module to the computer

USB-to-422 Components

Step 2
Connect the module to the radiator unit and the antenna

SDR Counter-UAV Digital Module

Radiator Unit
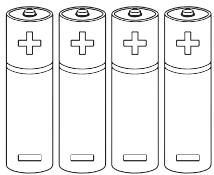
Step 3 Turn on power

18650 battery cells
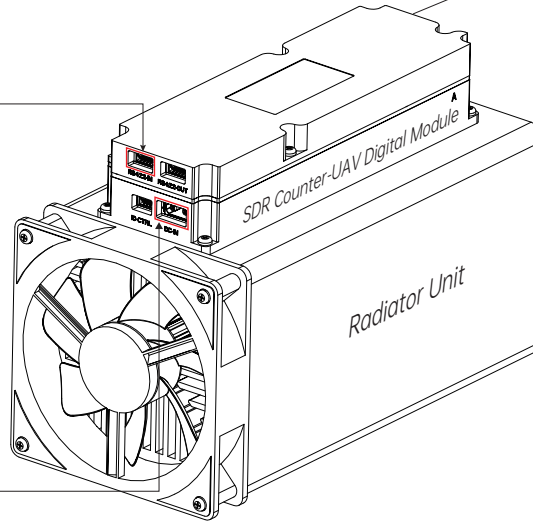
Module Selection Guidelines

Jamming Code	Jamming Targets	Applicable Modules
TBS_868	Team-BlackSheep FPV (868MHz)	MS0868 / MS0900
TBS_915	Team-BlackSheep FPV (915MHz)	MS0900 / MS0915
ELRS_915	DIY FPV (ELRS 915MHz)	
TBS_868+TBS_915	Team-BlackSheep FPV (868M&915MHz)	MS0868 / MS0900 / MS0915
TBS+ELRS	FPV with 868M&915MHz of Team-Black-Sheep+ELRS protocols	
ELRS 2450	DIY FPV (ELRS 2.4GHz)	MS2400
ELRS 2450A		
OFDM	Conventional low-slow-small UAV	MS0400 / MS1200 / MS1400 / MS1600 / MS2400 / MS5200 / MS5800
LFM		

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