

Portable Signal Jammer

Technical Specifications

High Power portable drone jammer with long range.

Model. SA-DJ03-Plus

Structure of the system

System includes:

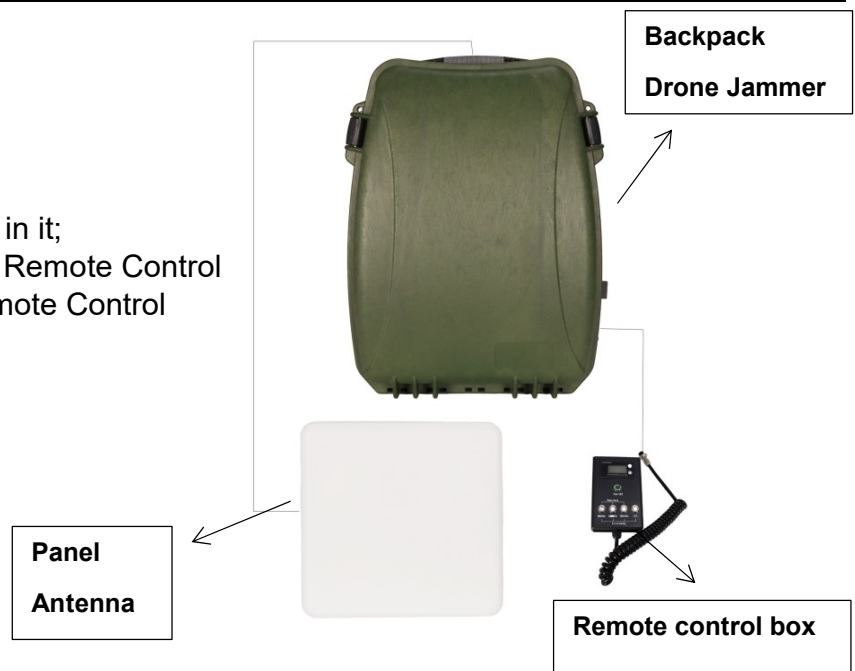
- Backpack with radio electronics installed in it;
- Omnidirectional Antennas with Separate Remote Control
- Directional Antennas with Integrated Remote Control

Jamming range: 500-800m using omni range

Up to 1000-1500m using directional antennas

Features

- Wide frequency coverage
- Easy, intuitive operation
- VSWR & thermal protection



Frequencies & Powers:

Version I: 3 Band, Omni Antenna + Directional Antenna

Frequency Band, MHz	Power (W)±1.5dB
1559- 1610	47dBm (50W)
2400 - 2500	47dBm (50W)
5725 - 5875	44dBm (25W)

Version II : 4 Band, Omni Antenna + Directional Antenna

Frequency Band, MHz	Power (W)±1.5dB
902 - 928	47dBm (50W)
1559- 1610	47dBm (50W)
2400 - 2500	47dBm (50W)
5725 - 5875	44dBm (25W)

Version III: 5 Band, Omni Antenna + Directional Antenna

Frequency Band, MHz	Power (W)±1.5dB
1559- 1610	47dBm (50W)
2400 - 2500	47dBm (50W)
2400 - 2500	47dBm (50W)
5725 - 5875	44dBm (25W)
5725 - 5875	44dBm (25W)

Version IV: 5 Band, Omni Antenna+ Directional Antenna

Frequency Band, MHz	Power (W)±1.5dB
428-438	47dBm (25W)
902 - 928	47dBm (30W)
1559- 1610	47dBm (30W)
2400 - 2500	47dBm (30W)
5725 - 5875	44dBm (25W)

Version II. Specifications :

External Antennas: 4pcs Omnidirectional High Gain (6-8 dBi) antennas, one per frequency band.	
Handheld External Antennas: 1pcs Directional High Gain antennas (at least 8-12 dBi), mounted on a handheld device, Connected via cables to the main unit.	
VSWR – disconnect/ short antenna protection	
Internal Li-Ion battery - Continues amplifying 1.5h / Standby 48 h/ Charging time 5h	
Operational Power: 90-260 V AC using a directional AC power 12/24 VDC	
Weight: No more than 20 Kg (main backpack unit - with battery, without external antennas)	
Jammer system	
Frequency Bands	Output Power
1. 1560-1610 MHz	50 W / 47±1.5dbm
2. 2400-2500 MHz	50 W / 47±1.5dbm
3. 5700-5900 MHz	25 W / 44 ±1.5dbm
5. 902-928 MHz	50 W / 47±1.5dbm
Electrical	
PROTECTION	VSWR protection Overheat Protection: 70° cut off operation 65° resume of operation
OPERATIONAL POWER	[90 260] VAC / 24V DC Internal Power Supply
COOLING	Forced Air Cooling
CONTROLS & INDICATORS	On/Off switch & indicator + External wired remote control to select bands (each band 1 button)
BATTERIES	Internal Li Ion 20AH
Mechanical	
MODE OF DEPLOYMENT	Rapid Deployment/Mobile
CASING	Rigidized backpack
Environmental	
OPERATING TEMPERATURE RANGE	-20°c to +65°c
RESISTANCE	IP52
RELATIVE HUMIDITY	5%-95% non condensing

Backpack - should be made of plastic with design matching the product picture:

All connectors and buttons on backpack should be rugged, inserted (not sticking out), and weatherproof
All connectors and buttons on the backpack should be labeled by silk printing and not erasable.
All fans for intake / output of air should be well covered against rain.

The backpack should have the following connectors and buttons:

- 4 N-Type connectors for antennas, labeled for each band (915, 2400, 5800, GPS)
- A connector for connecting the remote control
- A master on/off button, charging connector, battery indicator

The remote control should be black, compact and made of buttons

The remote control should have channel selection buttons:

- Each button should select if the band will be jammed or not
- Each button should be labeled:
- CH1 5.8 (Light on = selected. Light off = not selected)
- CH2 915 (Light on = selected. Light off = not selected)
- CH3 GPS (Light on = selected. Light off = not selected)
- CH4 2.4 (Light on = selected. Light off = not selected)

Remote Control



Handheld Antenna Kit

A handheld antenna kit shall be supplied with the unit.

All components of the handheld antenna kit should be colored in uniform matte white color.

The total length of the handheld antenna kit, shall not exceed 80 cm.

- 1 – Channel selection – each channel will have a label and indicator LED
- 2 – Master jamming on /off trigger
- 3 – Error indicators

Total Kit Contains

- 1 Backpack
- 4 omni antennas or 1 Directional Panel Antenna
- 1 Remote control with command cable
- 1 jammer **Antenna** with built-in trigger and indicator, 4 RF cables and 1 command cable



Backpack Jammer



Remote Control



Cable

Transportability

The kit components shall be provided in professional, ruggedized black cases, made of wood with black laminate and metal liners, or alternatively made of ruggedized plastic (pelican case style). The case shall also have carrying handles and a rugged latch to keep it closed. Both of the below styles are acceptable:



Transport Kit



Warranty

12 months