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# WF-MANPACK JAM1

C4i COMMUNICATION HIGH-POWER MANPACK  
PROGRAMMABLE MULTI-BAND JAMMING SYSTEM



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## Introduction

Detonation and confidence leaking, resulting from Road-side Remote Improvised Explosive Device (RCIED) have been a serious threat for the life safety of the bomb disposal troop and law enforcement quality of anti-terrorism unit. To ensure the smooth process of law enforcement task and people's lives safety have been the tremendous challenge and task in many parts of the world.

C4i Communication solutions—WF-Manpack Jam4, High Power Frequency DDS Convoy Jamming System, implementing the most effective and reliable RF jamming technology and equipped with a fully-integrated broadband jamming system. WF-manpack Jam5, is highly portable and light weight. Easy for backpack. It plays an important role to use the heavily loaded vehicle and trolley-type devices in some extreme hard situation. The operator can carry it forward through the hills and muddy road, as well as Climbing steep mounts and stairs avoid casualties and improve the combat efficiency.

WF Manpack Jam4 Plus, full manpack multi band Jamming system is designed with a ruggedized case, light weight, high mobility and reliance. This device is configured with 4 different jamming modules, the jamming frequency can be more than 30 Bands. Jamming frequency module can be up to 600 watt output power maximum.

WF-Manpack Jam4, is especially easy to install and operate. Simply attach the selected antennas and activate the desired frequency bands.

The general design of the system meets military requirements as well as international quality standards and requirements. Our industrial in-house quality management system guarantees highest quality standards in terms of performance, reliable and long-life cycles.

Based on our general design, we can further customize our systems to client-specified scenarios both for military and civil applications in order to provide the best individual solution.



## Advantages Of The WF- Manpack Jam 1

- High-power Manpack multi-band jammer.
- DDS Technology.
- Modular construction for easy maintenance, repair and upgrade.
- Jam up to four different jamming modules.
- Max 600 watts total RF output power.
- Easy to use high portable, backpack type.
- Internal battery, AC mains or DC power.
- External LCD display to indicate the battery level.
- Systematic Smart Cooling System.
- The general design of the system meets military requirements.
- Jamming from 10 MHz – 6000 MHz
- Ability to permanently jam (Active).
- Programmable system
- Scalable in the future.
- Safe for the user and the user's surroundings.
- Withstand temperatures from -35 to +80°C
- Operates on an electric power of 220 – 240 volts.
- Portable or towable and flexible in the transportation process.
- Effective protection in all use cases, whether mobile or stationary.
- Perimeter of the jammer at least 100 meters in a circular (Omnidirectional) shape





# Technical Specification

Frequency Range	20-6000MHz
Analog wireless phones, wireless systems	20-100
FM Band	88-108
Analog cordless phones and radios	135 -174
Radios and audio transmitters	200-300
Radios and sound transmission devices	465-530
Remote control	310 -470
Car remote control, gaming remote control, door alarm, drone remote control	425-461
Remote control	800
Navigation signals	840-870
Navigation tracking devices, Thurayaphones, GPS navigation devices	900-930
GPS network	1300 -1400
Network 1800 LTE, DCS	1400 -1520
GSM network 1900, PHS	1805 -1880
Radios and sound transmission devices	1805 -2000
UMTS network, 3G, WCDMA 2000	1805 -1990
UMTS network, 3G, WCDMA 2000	2000-2200
5G Network	2100 -2170
Bluetooth / WIFI, video bus and drone controller	2400-2500
LTE2300, WIFI/ Bluetooth, LTE2600	2300-2700
5G Network	3400-3600
WiMAX network, video transmission devices, remote controls	5100 -5350
WiMAX network, video transmission devices, remote controls	5725-5850
Total RF Power	110 -450Watt, Max: 600Watt
Jammer Module Number	20
Channel Frequency Number	22 Bands, Max: 30 Bands
Cooling System	Systematic Smart Cooling System
System Protection	VSWR, Over -voltage, Over-current,
Jamming Source	Direct Digital Synthesize Technology
Antenna Type	High Gain Omnidirectional Antennas
Number of Antennas	20
External Battery	23AH/24 -28VDC
Jammer Size	32×8.8×44cm X4
Jamming System Weight	18kg per unit
Operating Temperature Range	-35°C...+80°C
Operating Humidity	Up to 80%





## Application

Bomb disposal squads, VIP protection, Special Police (S.W.A.T), military security forces, bomb squads, anti-terror units, anti-drug units, Border control units, checkpoint personnel, these types of law enforcement personnel who benefit greatly from the deployment of any of these best-in-class manpack RF jamming solutions. They can conduct the law enforcement process more effectively to reduce the chance that the criminals leak the information.

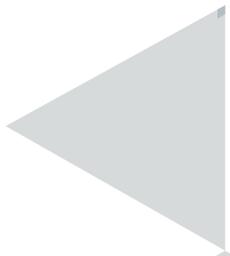
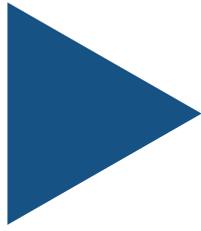
## Equipment Structure And Operating Principles

### Machine Body

WF-Manpack Jam1 with Direct Digital Synthesize Technology, The operator can set frequency and output power by software (programmable). Modular design makes easier maintenance. Any damage of one module can be took off and changed easily. It will not interfere the other modules' normal working.

### Package included as below





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FOR MORE INFORMATION: [contact@c4icommunication.com](mailto:contact@c4icommunication.com) or +1 (302)9811340