



The Backpack jammers are designed to protect soldiers and law enforcement on foot patrol against radio controlled bombs (RCIEDs), or from terrorists identifying their exact location .

The Backpack jammer is highly portable complete with power supply and batteries and can be fitted with a range of plug-in Black Shadow jammer modules. The jammer modules operate from 20MHz to 3000MHz, although the most used bands are 20-500MHz HF/VHF/UHF radio handsets, GSM and 3G mobile telephone links.

The weight of each jammer plug in is just 4kg. The RF power of the Backpack jammer is limited for safety reasons however higher powers are available for Flightcase jammers.

In its basic form one jammer may be set to jam 20-500MHz or 500-1000 MHz or Satellite Phones, CDMA, PCS, GSM, UMTS, 3G, WiFi and WiMax bands.

Each frequency band offers the option of blanket jamming or targeted. The Backpack is supplied with highly efficient Omni directional antennas to maximize the jamming area in different scenarios. A Digital RF Threat Detector can be provided to sense the presence of HF/VHF/UHF radio handsets, or CDMA/GSM mobile telephones, and automatically turn on the jammer to target the threat frequencies. The Threat Detector conserves the battery life as the jammer only powers up on when registering a threat. The detector can be manually/remotely overridden.

Features

- Modules covering all popular frequency bands (HF,VHF,UHF,CDMA,GSM,PCS,UMTS,3G,Sat Phones etc.)
- Highly Portable
- Comfortable lightweight backpack design
- Digitally synthesized programmable jamming
- Integrated directional antennas



Because of the technology being used the British MOD/Export Control have classified the jammer and sales are restricted to the Security Forces, Military, Police, Embassies, Dignitaries and Politicians etc and are subject to an export license.

Specification for Backpack Jammers

Frequency Band

Band 1	20Mhz — 500Mhz
Band 2	500Mhz — 1000Mhz
Band 3	1000Mhz — 2000Mhz
Band 4	900-960 and 1800-2000MHz GSM, CDMA, PCS, UMTS
Band 5	2000Mhz—3000Mhz 3G/WiFi/WiMax

Option:- Threat Detector/Responder

Jammer units in each band use common parts from the Blackshadow range of Digital RF modular jammers. Multiple channels can be fitted into a backpack. For higher power convoy/V.I.P. applications a flight case configuration is recommended for fitting into a vehicles.

BACKPACK JAMMER Tx POWERS AVAILABLE

Band 1	1—30W. 24V/5A
Band 2	1—30W. 24V/5A.
Band 3	1—20W. 24V/4A
Band 4	1—30W. 24V/5
Band 5	1 —30 W 24V/5

FLIGHTCASE JAMMER Tx POWER

Band 1	30—200W. 24V/8A
Band 2	50—150W. 24V/8A.
Band 3	20—100W. 24V/5A
Band 4	50—160W. 24V/7A
Band 5	50 —160 W 24V/7A

Antennas Omni and Directional high gain.

Dimensions

Backpack

Two shoulder straps and a waist strap. Padded spinal supports.

Size

500mm high, 370mm wide, 180mm deep

Weight

Module 4Kg, Case 5Kg, Battery 5kg

Battery

Briefcase 1 x 24V x 15A/hr

Temperature

-20°C to 50°C within few minutes of switch on



Digital RF maintains a policy of improvement and reserves the right to modify the specification without prior notice.