



The Wall Mounted Blackshadow can be used to prevent the explosion of radio controlled bombs (RCIEDs) in buildings, blackout mobile telephones in prisons, jam WiFi links and selected TVRO channels and block radars.

It is an aid which confuses the terrorist and in doing so may protect vulnerable staff, vehicles and buildings against their actions. This is done by creating a local radio blackout around police or military or dignitaries or property or in prisons.

The Wall Mounted Black Shadow is a compact unit which can be fitted in buildings for protection or placed in secure areas or prisons to control / restrict communications. It can radiate multiple programmable jamming carriers that can instantaneously jam selected frequency bands in the range 25MHz to 6GHz. The modular design enables the system to be fitted to jam the required threat frequencies while being easily maintained.

Each frequency band offers the option of blanket jamming or targeted jamming through programmable windows. Clear channels can be left for communications. On disconnection of the power the software settings are stored in a central processor so the unit automatically powers up on the same settings. Black Shadow can be controlled locally or remotely. When operating with the Digital RF Threat Detector a network can be established to automatically turn on the jammer remotely when RF activity is detected.

Features

- Protects vulnerable staff against RCIEDs
- Programmable targeted frequency bands
- Ideal for Prison installation when operating automatically with the Digital RF Threat Detector
- Easily programmable for maximum affect over a wide protection radius.
- Modular design for easy operation and maintenance



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 Broadband Jammers

Frequency Band

Band 1	25Mhz — 125Mhz
Band 2	125Mhz — 250Mhz
Band 3	250Mhz — 500Mhz
Band 4	500Mhz — 1000Mhz
Band 5	1000Mhz—2000Mhz
Band 6	2000Mhz ---2500Mhz
Band 7	2500MHz—3000MHz
Band 8-18	3000MHz—18000MHz in 1GHz or 2GHz bandwidth.

The number of bands fitted is limited to four per shelf and are specified at time of order. Mechanically each chain is identical and will fit into any slot of the shelves.

Either the whole of each band or selected windows in each band may be used to jam with the full transmitted power. The jamming program is stored in the central processors—one per shelf.

Output Radiated Power EIRP

Band 1	80—100 Watt.
Band 2	80—100 Watt.
Band 3	50—100 Watt.
Band 4	50— 60 Watt.
Band 5	10 —20 Watts.
Band 6	5— 20 Watts
Bands 7-18	5— 20 Watts

Antennas	Monopole, biconical, omni, collinear, sector, horn
Dimension	Typically 500mm wide x 400mm deep x 200mm high
Weight	Module 4Kg, Case 10Kg
Power	100-240VAC / 50-60Hz
Temperature	-20°C to 50°C within few minutes of switch on
Remote Control	RS232. Computer GUI, Handheld, Threat Detector

Note

Minishadow is available for those only wanting narrow band jammers to block mobile telephones .