



# GRIFFIN

## Vehicle Mounted Digital Jamming System

SPECIALIST DESIGN THROUGH INNOVATION AND TECHNOLOGY

The new Griffin Vehicle Mounted Digital Jamming System is a sophisticated system, designed specifically for vehicle mounted use. The Griffin can be used for RCIED use as well as general EOD and RF communication jamming.



The 'Griffin' transmits powerful jamming signals over a wide frequency range covering 20 MHz up to 2.5 GHz using the latest digital technology that surpasses the performance of analogue systems. The Direct Digital Synthesis (DDS) technique allows for the use of energy efficient counter measures and provides greater range for lower overall output power. The 'Griffin' causes nearby receivers to become inactive, typically 200 metres from the target (this is dependant upon the power of the activation transmitter and the relative distances involved). As the 'Griffin' is a digital system it is highly flexible, the inhibiting frequencies can be programmed so that the signal power can be concentrated onto particular spot frequencies or threat bands if required. The 'Griffin' is effective against most types of radio, as well as all cellular telephones and W-LAN (2.4 GHz).



The 'Griffin' has been introduced to provide comprehensive wide frequency range jamming, including 3G and wireless LAN as a counter measure to the increased incidence of terrorists using cell phone infrastructure to detonate remote control bombs. The 'Griffin' Vehicle Mounted Digital System is the latest variant of the proven SVJ8 system and has the following features above and beyond those of SVJ8.

- More accurate signal control
- Concentrates power in threat bands
- Additional cell phone channels centred at 915, 1800 and 2140 MHz
- Dedicated cell phone channel antennas
- Direct Digital Synthesis Control

**DESIGNERS AND MANUFACTURERS OF RF  
& MICROWAVE COMMUNICATION SYSTEMS**



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### OUTLINE SPECIFICATION

<b>Frequency Coverage:</b>	20 MHz - 2500 MHz in 11 independent bands:- 25-80 MHz, 80-200 MHz, 200-500MHz, (Dual Channel), 500-975 MHz, 975-1450 MHz, 1450-1925 MHz, 1925-2400 MHz, 900GSM Band, 1800GSM Band and the 2.4 GHz WLAN Band each channel using its own source amplifiers and individual antennas
<b>Power Supply:</b>	22-28VDC operational 80 Amp supply required (typical) at 24VDC, 230VAC available as an option
<b>Temperature Range:</b>	- 10 °C to +40 °C
<b>Humidity:</b>	5% TO 95% Relative Humidity
<b>RF Output Power:</b>	650 Watts nominal into the antennas, 1350W EIRP
<b>Dimensions:</b>	340 (h) x 795 (l) x 390 (d) mm, excluding base plate and mounts
<b>Weight:</b>	80 kg (excluding antennas and cables)

### COMPONENTS

- 'Griffin' is fitted with anti-vibration mounts and plates with integral cooling fans
- Remote control lead (5m) and remote control panel for in-vehicle control
- DDS Fill Gun and Software Kit
- Roof box to carry and protect smaller antennas (8 off)
- 2 x Low-band stainless steel whip antenna (2.6m) with vehicle mounts and matching units
- 2 x spiral plate antennas for low/mid band use
- 2 x Mid-band and 2 x high band high efficiency antennas
- Separate 900 and 1800 GSM plus 3G antenna and WLAN antenna
- Set of terminated RF cables (project specific) up to 10 metres in length
- Comprehensive installation and commissioning instructions are provided.

Alternatively, installation and commissioning can be provided 'in country'.

**Please Note: Purchase of equipment subject to Export Licence approval**

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