



GEW® GMJ9000G

Man-portable multirole jammer

The GEW® GMJ9000G jammer utilises the latest RF and digital signal synthesis technology to achieve outstanding suppression of communications and the telemetry, control and GNSS signals used by new threats, such as drones.

Broadband antennas, highly efficient electronic circuitry and sophisticated countermeasure algorithms combine in a cutting-edge solution for short to medium range jamming.

- Man-portable and vehicle-mounted design
- Simultaneous jamming of multiple threats, such as RCIED, radio communications, GNSS, WiFi and drones
- Advanced jamming algorithms
- Wide frequency range
- Software-definable solution for future threats
- A range of configurations for various threat scenarios

GEW[®] GMJ9000G

Man-portable anti-drone jammer

Several incidents within the last years revealed that there is a rapidly increasing risk caused by emerging threats, such as RCIED and malicious drones. Especially troops in the field, policemen or others that take risk to defend us are exposed to increasing attacks.

The sophisticated jamming algorithms of the GEW[®] GMJ9000G jammer allows multiple target signals to be jammed simultaneously.

The GMJ9000G jammer is fully software-defined, which allows new counter-modulation waveforms to be quickly and easily added in response to new threats. The advanced digital waveform generator provides jammer waveforms that can be individually optimised to more effectively counter high risk threats.

The GMJ9000G jammer has a continuous jamming mission-lifetime in excess of 3 hours while operating at maximum

jamming output power. The GMJ9000G's fanless cooling technology allows the jammer to operate completely silently even at high ambient temperatures and in dusty or wet conditions.

The effective jamming range and high portability makes this jammer particularly suitable for individual as well as patrol protection and soldier-carried jamming missions.

A range of antenna configurations are available for various applications and threat scenarios. The man-portable configuration utilises omnidirectional antennas for swarm protection, or a high-gain antenna *gun* to target threats over increased distances. Utilising a tripod with wideband, high-gain, Log-P antennas, the transportable deployment-option is suitable for sector protection.

MAIN SPECIFICATIONS

Frequency range	500 MHz – 6 GHz		
RF Power Output	Up to 40 W total RF power		
Signal Generation Technology	Direct Digital Synthesiser		
Jamming Modes	Software configurable via computer		
Antenna	2 x omni-directional antennas	High-gain antenna <i>gun</i>	2 x Log-P antennas (mounted on tripod)
Battery endurance	Minimum of 3 hours		
Programming/Data Interface	LAN / RS422		
Power Supply	2 x BB-2590 Batteries standard, or optional external 28 VDC supply		
Temperature range (Operating)	-20°C to + 60°C		
Environmental qualification	MIL-STD-810-F, IP67 rated		
Weight (including batteries and antenna)	< 12 kg		

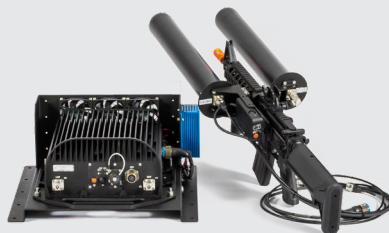
FEATURES

- › Simultaneous jamming of multiple threats
- › Advanced jamming algorithms for protection against all known drone threats, including GNSS, 2.4 GHz and 5.8 GHz devices
- › Fanless cooling for silent operation and high reliability in extreme environments
- › Can be programmed and monitored through LAN interface
- › Advanced threat-based mission programming interface
- › New threats are easily added with a user-friendly interface
- › Hand held controller for displaying equipment health and status
- › Active antenna VSWR monitoring and protection

CONFIGURATIONS



Omni-directional antenna configuration



High-gain antenna *gun* configuration



Tripod-mounted Log-P antennas