

Car VIP Protection with RCJ1390LT-VP Jammer Medium Output Power

MODEL RCJ1390LT-VP
1,020W Output Power



General Description

The RCJ1390LT-VP is a vehicle mounted medium power jammer designed for blocking remote controlled improvised explosive devices Used by terrorist.

The RCJ1390LT-VP is using state-of-the-art technology for maximum performance and jamming the signals transmits to activate bombs.

The unit controlled by Microprocessor for PLL programming and use unique modulation technique based on mixed signal for maximum jamming efficiency.

Each module of RCJ1390LT-VP transmits unique noise signal, which create "firewall" between the transmitter and its receiver.

The jamming signal is being generated by Multi-VCO chain which results very high sweeping rate along the bands hence create high RF density in each part of protected frequency band.

Jamming radius of RCJ1390LT-VP depends on several conditions such as transmitter frequency and output power, distance to receiver and obstacles between.

System modularity allows flexible usage in different applications.
The system use Broadband Omni-Directional antennas for 360° protection.

Applications

- Special Military Units
- Special Police Units
- VIP Protection
- Bomb Disposal
- Convoy Protection etc.

System Features

Systems have 3 modes of operation:

1. Sweep Mode
Jamming the whole frequency band at an ultra-fast Speed continuous sweeping.
 2. Spot Mode
Jamming 4 frequencies from list of 10 pre-programmed.
 3. Open Communication Window
Allows open communication from 6 pre-programmed options.
Thus frequencies can be changed in factory when customer needs.
- Designed to block wireless communication including HF, VHF, UHF, SHF, Cellular Networks, Satellite Phones, GPS etc.
 - Output power up to 120W per band
 - Modules of Jammer operates separated;
 - Separate switch ON/OFF and switch Operation Modes control for each frequency band.
 - External antennas
 - Remote control
 - Specific signal source per band for maximum jamming efficiency

Technical Specifications

RF Characteristics	
Output Power	>1,020 Watts
Range jamming	100m to 200m (At standard environment)
Internal Modulation	FM Hopping Frequency and Sweep
Signal Source	PLL Synthesized
Sweep rate	Fixed
Modules Per Unit	12
Remote Control	ON/OFF per band
Antennas	External – Omni-Directional
Power Amplifier Protectors	Over Heat – Thermal protector Over Current protector
Jamming Frequency Range	
Frequency Band	20-2,500 MHz Full band jamming – No Gaps
Air Interface Standards	2 Way Radio DTMF Cellular Pagers Etc.
Physical Data	
Dimensions	500 x 430 x 352 mm – 19" x 12U (1 Rack)
Weight	Approx. 85Kg
Environment of operation	
Operating Temp	-10°C - +65°C
Humidity	5% - 80%
Optional Accessories	
Backup Battery	Yes

*Specifications are subject to change without prior notice