

CAR VIP PROTECTION with RCJ1390LT-I Jammer Very High Output Power - 1535 Watts Modular System

MODEL RCJ1390LT-I
Total Output Power 1,535W



General Description

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

The RCJ1390LT-I 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-I 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-I 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

3 modes of operation:

1. Sweep/Barrage 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.

Special Features

- Designed to block wireless communication including HF, VHF, UHF, SHF, Cellular Networks, Satellite Phones, GPS etc.
- Modules of Jammer operated separately
- Separate switch ON/OFF and switch Operation Modes control for each frequency band.
- Control output power for cellular bands from 5W up to 200W
- External antennas
- Remote control
- Specific signal source per band for maximum jamming
- Remote start of the system from a distance of 50 meters

Technical Specifications

RF Characteristics	
Output Power	Up to 1,535 Watts
Range jamming	200m to 300m (At standard environment)*
Internal Modulation	FM Hopping Frequency and Sweep
Signal Source	PLL & DDS Synthesized
Modules Per Unit	Up to 21 (please refer to power division table on pg.5)
Remote Control	ON/OFF & MODE
Antenna	External – Omni-Directional
Power Amplifier Protectors	Isolator. Full VSWR protector Over Heat – Thermal protector Over Current protector
Jamming Frequency Range	
Frequency Band	An Example of frequency division: 20 – 80 MHz 100W 135-174 MHz 300W 245-246 MHz 300W 247-270 MHz 200W 315 MHz 50W 433 MHz 50W 400 – 470 MHz 300W 869-960 MHz 200W 1,805-1,880 MHz 200W 2,110-2,170 MHz 100W 2,400-2,485 MHz 50W 5,740-5,870 MHz 10W
Air Interface Standards	2 Way Radio DTMF Cellular Pagers Etc.
Physical Data	
Dimensions	500 x 430 x 176 mm – 19” x 4U (8 Racks)
Weight	Approx. 140Kg
Environment of operation	
Operating Temp	10°C - +65°C
Humidity	5% - 80%

* Specifications are subject to change without prior notice