KANGAL™
VEHICLE TYPE PORTABLE RCIED JAMMER SYSTEM
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**KANGAL™** is designed to protect Vehicles against Radio Controlled Improvised Explosive Devices (RCIEDs).

With its modular and multi band design, the system creates protection against all known threats simultaneously (VHF/UHF amateur radios, PMR/FRS Radios, remote control devices, ISM bands, Wi-Fi, GSM, 3G, 4G, etc.) and prevents triggering of RCIEDs.

**KANGAL™**, with a very compact architecture, is a portable and vehicle independent system. It can be integrated on various types of vehicles such as Armored/Unarmored Military Vehicles, Personnel Carrier Vehicles, Mini-Bus/Bus, Truck, Pick-up, SUVs, VIP Vehicles, etc.) and it can be transferred from a vehicle to another easily.

The system can be integrated inside or on top of the vehicle, according to vehicle availability and customer choice.

**KANGAL™**, can operate for unlimited durations powered via vehicle alternator or an additional Alternator or for a limited time via system batteries.

Being a Software Defined Jammer, **KANGAL™** is field programmable system offering utmost customization flexibility and more than 100 different jamming profiles can be programmed and stored inside the jammer. The system can be re-programmed to counter new RCIED threats.

Dynamic communication channels can be created via programming for friendly force communication during system operation.

The system is controlled through a Remote Control Unit which is attached inside the vehicle ergonomically for the operator.

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**Technical Specifications**

- **Software Defined Jammer (Programmable according to Tactical & Operational Requirements)**
- **Jamming Type: DDS Based FPGA Controlled Swept Jamming**
- **Application Type: Armored/Unarmored Vehicle Protection (Military Vehicles, Personnel Carrier Vehicles, Mini-Bus/Bus, Truck, Pick-up, SUVs, VIP Vehicles, etc.)**
- **Frequency Coverage : Configured According to Customer Requirements**
- **RF Output Power : < 300 W**
- **Antenna Type : Omni-Directional**
- **Weight : RF Jammer Box < 22 kg**
- **Duration of Operation : Unlimited (via Vehicle Alternator/ Additional Alternator) : > 1 hour (via Batteries)**
- **Electric Field (SAR) : Compatible with ICNIRP Standards (Human Safe)**
- **Operating Temperature : -30°C - +50°C**
- **Storage Temperature : -40°C - +60°C**
- **Environmental : Compatible with MIL-STD 810 (Rain, Humidity, Wind, Sand, Dust, Shock, Vibration)**