KiRPI™
SOFTWARE DEFINED MANPACK
RCIED JAMMER
KiRPi™ is designed to provide the patrols/ground troops with a protection umbrella by creating effective RF interference to prevent the triggering of Radio Controlled Improvised Explosive Devices (RCIEDs).

KiRPi™, with “minimum weight and maximum frequency & range coverage” design goal, provides the operator with utmost flexibility, mobility and uglility under extreme terrain and environmental conditions during the hardest operations.

KiRPi™ can be configured to provide protection for foot patrol, for VIP Vehicles (attaching the system on a passenger seat or integrating it in a roof-rack on top of the vehicle), for Checkpoint or Facility protection, among others.

Utilizing the Software Defined Jammer Technology and digital frequency synthesis techniques, KiRPi™ Manpack RCIED Jammer is fully programmable over the whole frequency band offering the user utmost customization flexibility to customer specific tactical & operational requirements.

Through the user programming interface that runs on a standard laptop, jamming profiles can be created by programming the jamming frequency bands and output power levels in order to target specific, multiple threats, as well as creating specific dynamic communication channels for friendly force communication. KiRPi™ is currently in use in tactical and operational theaters around the World in demanding conditions, and is ready to be deployed in all terrains and environmental conditions.

Technical Specifications

- Application Type
  - Patrol Protection
  - VIP Vehicle/Single Vehicle Protection
  - Checkpoint/Facility Protection
- Frequency Coverage: Wide band, Configured in Accordance with Customer Requirements
- RF Power Output: < 100 Watt
- Jamming Type: DDS-Based FPGA-Controlled Swept Jamming
- Antenna Type: Omni-Directional Antennas
- Power Source: Li-Ion Batteries
- Weight: < 11 kg (2 battery configuration)
- Operation Time: > 1.5 hours (2 battery option)
- > 3 hours (4 battery option)
- Electric Field (SAR): Compatible with ICNIRP standards (Human Safe)
- Operating Temperature: -30 °C; +50 °C
- Storage Temperature: -40 °C; -60 °C
- MIL-STD-810 Environment (Humidity, Rain, Sand/Dust, Shock/ Vibration)