

## Key advantages at a glance

- Reactive Jamming Technology
- >1500 Watt ERP
- 5.8 mio threat signal generation per ms
- Modular Design (Frequency Band)
- Easy to handle
- 10 year part availability
- 100'000h MTBF

## Portable Jamming System (PJS)

Portable Jamming System based on Reactive Jamming Technology for Personal protection from Radio Controlled Improvised Explosive Device (RCIED).



# The solution for efficient radio disruption

COMLAB leads the market in radio frequency technology applied for more than thirty-five years. Our involvement includes design, development, production and integration of turnkey high-frequency radio systems. Our considerable expertise and many years of experience mean that we are able to support our customers in discovering solutions for all needs.

## Users

- Ministry of Interior
- Airforces
- Defence
- Governmental Agencies
- Armed Forces
- National Security Agencies
- VIPs
- Private and Others

## Application

- VIP cars (SUV or equivalent)
- Tracks
- Tanks
- Boats
- Limousines
- others on request

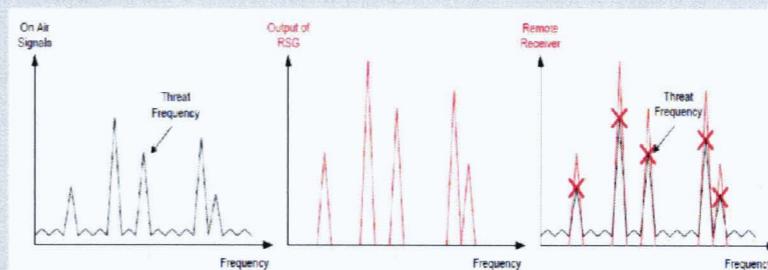
## Advantages

- Highest efficiency achieved with Reactive Signal Generator
- Smart signal power allocation
- Easy to handle (ON/OFF)
- designed for rough military environment

## USAGE

COMLAB presents the state-of-the-art Portable Jamming system (PJS) to prevent individuals from Radio Controlled Improvised Explosive Devices (RCIEDs).

The Reactive Jamming Technology guarantees highest efficiency for real-time signal detection and disruption. The smart allocated power efficiency allows up to 30m radius radio signal disruption also in well covered urban and suburban areas. To maximize the coverage range, more than one PJS should be used.



## SERVICES

**Customized enclosure (Option)**  
Enclosure development according requirements

**After Sales Support (Option)**  
1st and 2nd Level Support on site on request.

– Standard 19" Rack

– Training Administrator, Observer  
– On site support  
– maintenance, software updates

## Specifications

### Key Advantages

- Reactive Jamming Technology
- > 1500Watt ERP
- 5.8 mio threat signal generation per ms
- Modular Design (Frequency Band)
- Easy to handle

### Life cycle

- 10 year part availability
- 100'000h MTBF

Frequency	20...2700MHz
Band extention	2700..6000MHz
Signal Power	up to 1500Watt ERP
Power Supply	12VDC
Modules	9
RF Power	120 + 35 Watt
Weight	20kg
MTBF	100'00h @ 20°C GB
VSWR	10:1
Environment	-10..60°C, 95% HU
Cooling	active FAN
Dimensions	600x400x250mm

## FUNCTION

The modular antennas are used for real time reactive signal detection and generation. The user can control the system by a tablet PC or simply switch it ON/OFF.

## SYSTEM PARTS

- |  |   |
|--|---|
| <b>PJS-1360-2680-120</b><br>20..2700MHz, 120Watt                             | – 19" Rack, 4HU, 20kg                     |
| <b>PJS-3010-5980-155 (Option)</b><br>2700..6000MHz, 35Watt<br>Band extention | – Band extention, additional 4kg          |
| <b>PJS-VEHICLE MOUNT (Option)</b><br>Magnetic Mounted Antennas               | – Strap set and antenna cables            |
| <b>PJS-ANT BASE TELESCOPIC</b><br>Telescop antenna base                      | – Antenna kit to PJS System<br>4 Antennas |
| <b>PJS-TPC (Option)</b><br>Tablet PC for remote control                      | – Touch Screen tablet PC 8.4"             |
| <b>PJS-BAT (Option)</b><br>Battery and Battery charger                       | – Battery and Charger for 1 hour usage    |
| <b>PJS-MAN (Option)</b><br>Portable Jammer Manpack frame                     | – Customized enclosure                    |



## USER GUI

**CJS-TPC**  
Configuration and Operation Software on tablet PC

- Power ON/OFF
- Programming RSG
- Output Power PA
- Data logging