



KEY ADVANTAGES AT A GLANCE

- Reactive Jamming Technology
- 5.8 million threat signal generations per ms
- AirSync
- Easy to operate



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 means that we are able to support our customers in discovering solutions for all needs.

USERS

- Ministry of Interior
- Ministry of Defence:
 - Air-, Naval- and Armed Forces
- Governmental Agencies
- National Security Agencies
- Bomb squads
- VIP Protection
- Security Units

APPLICATIONS

- Protecting VIP
- Bomb disarming
- Special missions

ADVANTAGES

- Highest efficiency achieved with Reactive Signal Generator
- Smart signal power allocation
- Easy to handle (switch on and forget)
- 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 and processing gain for real-time signal detection and disruption. The smart allocated power efficiency allows a large operation radius for radio signal disruption also in well covered urban and suburban areas. To maximize the coverage range, more than one PJS can be used. Therefor a synchronization interface AirSync is available.

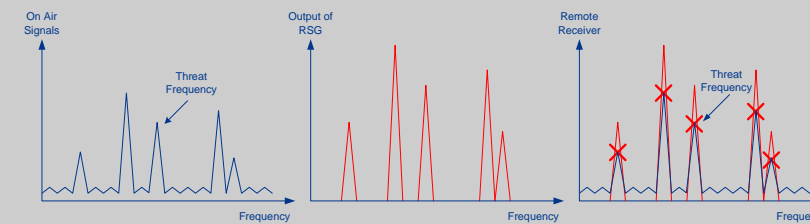


SYSTEM PARTS

- PJS-R4**
20..530 MHz, GSM900/1800, 125 Watt – Backpack portable, 19.5 kg
- PJS-R6**
20..530 MHz, GSM900/1800, UMTS, ISM2.4, Wifi, LTE, 150 Watt – Suitcase portable, 24.5 kg
- PJS-R10**
20..3000 MHz, 120 Watt – Backpack portable, 15.5 kg
- PJS-VEHICLE MOUNT (Option)**
Vehicle installation kit – Docking station
– Magnetic mount antennas
- PJS-ANT BASE TELESCOPIC**
Telescopic antenna base – Antenna kit for PJS system
- PJS-TPC (Option)**
Tablet PC for manual control – Ruggedized tablet
- PJS-MAN (Option)**
Portable jammer manpack frame – Customized enclosure

FUNCTION

The modular antennas are used for real time reactive signal detection and radiation. The user can optionally control and monitor the system by a tablet PC or work in full automatic mode (ON/OFF switch). If there is a need for own communication during jamming this can be done by programming the corresponding segments.



SERVICES

AFTER SALES SUPPORT

1st and 2nd level support on site on request.

- Training
- On site support
- Maintenance



USER INTERFACE

STANDARD

ON/OFF Switch and LED indicators

- Simple ON/OFF Switch
- System health monitored and visualized with LED indicators

CJS-TPC (OPTION)

Operation software on ruggedized tablet.

- Monitoring jamming system status
- Adjusting signal detection and generation
- Managing AirSync

KEY ADVANTAGES

- Reactive jamming technology
- 5.8 million threat signal generations per millisecond
- AirSync
- Complies the guidelines of the International Council on Non-Ionizing Radiation Protection (ICNIRP)

PJS-R4

Frequency	20..530 MHz, GSM900/1800
RF Power	125 Watt
Weight	19.5 kg
Dimensions	580x330x120 mm
Portable	Backpack, Suitcase
Cooling	active FAN

PJS-R6

Frequency	20..530 MHz, GSM UMTS, LTE, Wifi
RF Power	150 Watt
Weight	24.5 kg
Dimensions	580x330x150 mm
Portable	Backpack, Suitcase
Cooling	active FAN

PJS-R10

Frequency	20..3000 MHz
RF Power	120 Watt
Weight	15.5 kg
Dimensions	406x306x119 mm
Portable	Backpack
Vibration/Shock	MIL-STD-810G