



KEY ADVANTAGES AT A GLANCE

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

CONVOY JAMMING SYSTEM (CJS)

Vehicle integrated Convoy Jamming System based on Reactive Jamming Technology for VIP 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
- VIP Protection
- Security Units

APPLICATIONS

- VIP cars (SUV or equivalent)
- Trucks
- Tanks
- Boats
- Limousines

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 Convoy Jamming System (CJS) to prevent VIPs from Radio Controlled Improvised Explosive Devices (RCIEDs) along the road.

The Reactive Jamming Technology guarantees highest efficiency and processing gain for real-time signal detection and disruption. The smart allocated power efficiency allows up to 300 meter front-back radio signal disruption also in well covered urban and suburban areas. For increasing the protection range, multiple jamming cars can be connected together via AirSync and attend the convoy.



SYSTEMS

CJS-A3R6

20..3000 MHz, 620 Watt, 24 VDC

- Portable 19" Rack, 17 RU
- 535x840x600 mm (LxHxW)

CJS-A5R6

20..6000 MHz, 1000 Watt, 24 VDC

- Two 19" Racks, 15 RU
- 1068x761x760 mm (LxHxW)

FUNCTION

The high gain roof top antennas are used for detection and generation of the real time reactive signal. The system is easy to operate by a tablet PC in the cabin. The system is powered from additional batteries which are permanently charged from the auxiliary alternator (CJS-VK). If there is a need for own communication during jamming this can be done by programming the corresponding segments.

SYSTEM PARTS

CJS-RAS

Roof Antenna Set without enclosure

- Multiband high gain antenna set

CJS-RAS-STANDARD

Roof Antenna Set in full enclosure

- Standard for CJS-A5R6

CJS-RAS-MAGNETIC

Roof Antenna Set magnetic mount

- Standard for CJS-A3R6

CJS-VK

Vehicle Kit including power supply unit (auxiliary alternator) and RF-shielded windows

- DC Power Kit 24 VDC, 150 A
- 400 Ah Battery



SERVICES

Vehicle integration

CJS on site integration, measurement and approval

- Engineering, transport, installation, configuration

After sales support

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

- Training
- On site support
- Maintenance



USER INTERFACE

CJS-TPC

Operation software on tablet PC

- Jamming ON/OFF
- Configuration
- System monitoring
- Built in test equipment (BITE)
- Data logging

KEY ADVANTAGES

- Reactive jamming technology
- Up to 2500 Watt ERP
- 5.8 million threat signal generations per millisecond
- AirSync
- Easy to operate

CJS A3R6

Frequency	20..3000 MHz
Power Supply	24 VDC
RF Power	620 Watt
Weight Jammer	88 kg
Weight Battery	63 kg
Installation	Portable
Environment	-10..60 °C, 95 % RH
Cooling	active FAN

CJS A5R6

Frequency	20..6000 MHz
Power Supply	24 VDC
RF Power	1000 Watt
Weight Jammer	160 kg
Installation	Built in
Environment	-10..60 °C, 95 % RH
Cooling	active FAN