The Modular Jamming System based on Reactive Jamming Technology is used to prevent from illegal or undesired wireless communication in specified areas.

KEY ADVANTAGES AT A GLANCE

- Reactive Jamming Technology
- Smart Signal Power Allocation
- No impact on other used wireless networks
- No signal disruption outside defined areas
- Modular Design (Frequency Band)
- Designed for highest jamming efficiency
- Easy to handle
- 10 year part availability

MODULAR JAMMING SYSTEM (MJS)

The Modular Jamming System based on Reactive Jamming Technology is used to prevent from illegal or undesired wireless communication in specified areas.
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.

System integration MJS on site integration, measurement and approval

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

USER GUI

MJS-COS Configuration and Operation Software on PC, Tablet PC or PDA

SERVICE

System integration MJS on site integration, measurement and approval

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

ADVANTAGES

- Highest efficiency achieved with Reactive Jamming Technology
- Smart Signal Power Allocation
- No impact on other used wireless networks (DECT, PMR, TETRA, TETRAPOL…)
- No signal disruption outside defined areas
- Easy to install
- Designed for highest jamming efficiency

FUNCTION

High gain roof top or wall mounted antennas are used for real time reactive signal detection and generation. Additional antennas enhance cellular carrier detection and cellular phone localization. The supervisor can control the system by a Configuration and Operation Software at any place. The modular system structure ensures easy band extension.

MJS-MU Master Unit 694…2690MHz, 300Watt, 90..264VAC

- 19’ Rack, 20HU integrated in cabin 600x600x1115mm

MJS-RU Remote Unit 694…2690MHz, 900Watt, 90..264VAC

- 19’ Rack, 16HU integrated in cabin 600x600x1115mm

MJS-ANT Antenna Kit for reactive signal detection and disruption.

- Multiband Antenna Set high ERP

MJS-COS Configuration and Operation Software for remote control

- Web based Software

MJS-LOCALIZATION (Option) Cellular Phone localization

- Cellular Phone detection Units

MJS-COMSYS (Option) Communication System

- Walky-talky Kit with customized Frequency

KEY ADVANTAGES

- Reactive Jamming Technology
- Efficient Power Allocation
- Time slot jamming
- No neighbor band disruption
- Modular Design (Frequency Band)
- Easy to handle

Life cycle - 16 year part availability

<table>
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<tr>
<th>Frequency Band</th>
<th>Jammed</th>
<th>Key</th>
<th>Power Supply</th>
<th>Technology</th>
<th>RF Power</th>
<th>Weight</th>
<th>Environment</th>
<th>Cooling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bravo 850 / THURAYA</td>
<td>GSM/UMTS LTE/800/2600</td>
<td>(Option)</td>
<td>9..60WATT</td>
<td>Reactive</td>
<td>up to 500Watt</td>
<td>MU 50kg</td>
<td>-10..60°C, 95% HU</td>
<td>active FAN</td>
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<tr>
<td>LTE700/800/2600 WIFI</td>
<td>GSM/LTE</td>
<td>(Option)</td>
<td>3000Watt ERP</td>
<td>( MJS )</td>
<td>3000Watt ERP</td>
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<td>3000Watt ERP</td>
<td>3000Watt ERP</td>
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</table>

COMLAB presents the state-of-the-art Modular Jamming System (MJS) to prevent illegal or undesired wireless communication within defined areas. The system is widely used in Prisons, Governmental Rooms or areas where wireless communication is prohibited or lead to terrorism acts.

In order to use other communication system like DECT, TETRA, TETRAPOL, dPMR, DMR… signal generator modules with high band selectivity are used.

The Reactive Jamming Technology ensures easy band expansion. It guarantees highest efficiency for real-time signal detection and disruption. The smart allocated power efficiency allows jamming in an accurate area without disrupting cellular coverage outside.

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