AARONIA AARTOS
PORTABLE JAMMER
COUNTER-MEASURE SOLUTIONS

Backpack jamming system with 120 W output power and up to 2.5 km range

Highlights:
• Up to 120 W output power
• High range of up to 2.5 km
• Covers 5 frequency bands
Highlights

✔ Jamming range up to 2.5 km
✔ 5 frequency bands
✔ Total output power of 120 W
✔ Covers most of all commercially available drone models
✔ Battery run-time up to 1.5 hours
✔ Incl. directional and omnidirectional antenna
✔ Output power for 433 MHz, GPS and 2.4 GHz steplessly adjustable up to 50 dB
✔ Made in Germany

Technical Information

✔ Covered frequency bands:
  4 bands in one directional antenna
  2.4 GHz 20 W with directional antenna (horizontal polarization)
  2.4 GHz 20 W with directional antenna (vertical polarization)
  5.8 GHz 20 W with directional antenna (horizontal polarization)
  GPS L1 35 W with directional antenna
  1 band in one omni-directional antenna
    433 MHz 25 W with omni-directional antenna
✔ TOTAL OUTPUT: 120 W
✔ Adjustable output power for each frequency band
✔ 100 % Safe VSWR over protection (Isolator) for each module
✔ Battery +24 V / 20AH LiFePO4 can support 1 -1.5 hours of continuous operation
✔ Dimensions: 390 x 340 x 130 mm (H × W × D)
✔ Weight: 14 kg (main unit)
✔ Operating temperature: -20° C to +60° C
✔ Included in delivery: 1x portable jammer with integrated battery, 1x AC 110 or 220V DC power supply, 1x omni-directional antenna for 433 Mhz, 1x 4 bands directional antenna

Gewerbegebiet Aaronia AG II, DE-54597 Strickscheid
Tel.: +49(0)6556-9019-355    Fax: +49(0)6556-93034
www.aaronia.com        E-Mail: mail@aaronia.de

MADE IN GERMANY
### 4-in-1 Directional Antenna

The directional antenna connects to the ports marked CH1 to CH4. Please only connect cables and connectors marked with the **SAME** number!

<table>
<thead>
<tr>
<th>Name</th>
<th>CH1</th>
<th>CH2</th>
<th>CH4</th>
<th>CH3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>1575-1620 MHz</td>
<td>2400-2500 MHz</td>
<td>2400-2500 MHz</td>
<td>5700-5920 MHz</td>
</tr>
<tr>
<td>Gain</td>
<td>8 dBi</td>
<td>12 dBi</td>
<td>12 dBi</td>
<td>15 dBi</td>
</tr>
<tr>
<td>VSWR</td>
<td>≤1.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polarization</td>
<td>Vertical</td>
<td>Vertical</td>
<td>Horizontal</td>
<td>Vertical</td>
</tr>
<tr>
<td>Horizontal beamwidth</td>
<td>65°</td>
<td>65°</td>
<td>65°</td>
<td>60°</td>
</tr>
<tr>
<td>Vertical beamwidth</td>
<td>30°</td>
<td>15°</td>
<td>15°</td>
<td>7°</td>
</tr>
<tr>
<td>Front to back ratio</td>
<td>&gt;24 dB</td>
<td>&gt;25 dB</td>
<td>&gt;25 dB</td>
<td>&gt;25 dB</td>
</tr>
<tr>
<td>Input impedance</td>
<td></td>
<td></td>
<td></td>
<td>500</td>
</tr>
<tr>
<td>Max input power</td>
<td></td>
<td></td>
<td></td>
<td>50 W</td>
</tr>
<tr>
<td>Connector</td>
<td>N-M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lightning protection</td>
<td>Direct ground</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>255 x 255 x 45 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Ultra Sharp Signal Purity

**Frequency Output 2.4 GHz**

**Frequency Output 5.8 GHz**
AARTOS CMS Jammer Versions

<table>
<thead>
<tr>
<th>Mobile Manpack-Jammer</th>
<th>Automatic Corner-Jammer (180°)</th>
<th>Automatic Omni-Jammer (360°)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Omni- and directional antenna, covers 5 bands, 120 W (range up to 2.5 km) output</strong></td>
<td><strong>2 sectors with 2 antennas, covers 7 - 8 bands, 180 W (range up to 3 km) or 650 W (up to 6 km) output</strong></td>
<td><strong>4 sectors with 4 antennas, covers 14 - 16 bands, 360 W (range up to 3 km) or 1300 W (up to 8 km) output</strong></td>
</tr>
</tbody>
</table>

**Jammer disclaimer**

The AARTOS CMS (Counter-Measure Solutions) can only be sold to entities with proper government approval for the deployment of jammers. Contact us for more information at mail@aaronia.de.

AARTOS Drone Detection Versions

**X3 (Mobile)**

Designed as an easily portable drone and jammer detection device, this setup is lightweight and comfortable to carry. In addition, it offers long battery life.

**X7 (Advanced)**

The X7 combines precision in drone detection with a very high detection range. Perfectly suited for both single-system and multi-grid system set-ups, it features a 16-sector IsoLOG 3D antenna-array and a spectrum analyzer (Command Centre, XFR Pro or Rugged Rack).

**X5 (Base)**

This system includes an analyzer (Command Center, XFR Pro or Rugged Rack) and an 8-sector IsoLOG 3D antenna-array. With regard to drone detection systems, the X5 can be used as a very cost-efficient way to cover large areas.

**X9 (Ultra Wideband)**

Highest precision and range meet ultra-sideband monitoring - the X9 combines these features, allowing for instant, real-time detection on multiple bands (instead of one instant or multiple via hopping). The system consists of a 16-sector IsoLOG 3D antenna-array and an UWB unit.
CUSTOMER GROUPS

- Militaries & Police Forces (Ground & Air)
- Convoys
- Airports
- Power plants
- VIP security services
- Border patrols
- Government buildings
- Embassies
- Ports / Marinas
- Private Properties
- Events (concert, political, sport, etc.)
- Millions of Police Forces (ground & air)

OVER 50 INSTALLATIONS IN 2017
(300+ CURRENTLY IN PREPARATION)