



AARTOS™ MOBILE AND STATIONARY JAMMING SYSTEMS

MJ SERIES

FJ SERIES

SJ SERIES



 DETECT

 LOCATE

 COUNTER



SJ²⁴⁰ SJ⁸⁰⁰

Seamless frequency jamming from 400 MHz to 6 GHz with a 360° coverage and the highest range in our lineup.



FU³⁹⁰

The stationary FJ series cover 360° with a range of up to 3 km and up to 7 frequency bands.



MJ⁴⁰

This handheld UAV jammer is a potent and portable drone jamming system with 2h battery life and customizable frequency bands.

Typ. Range	4 km / 10 km	3 km	2 km
Antenna(s)	8 directional	4 directional Up to 4 omnidirectional	1 directional
Sectors	8	4	1
Bands	All bands up to 6 GHz	Up to 7	4
Output Power	240W / 800W	390W	40W



FU³⁹⁰ | Max. 3 km | 4x 90° sectors | 360° coverage | Up to 7 bands

SJ⁸⁰⁰ | Max. 10 km | 8x 45° sectors | Smart jamming | 360° coverage

MJ⁴⁰ | Handheld | 40W output | Max. 2 km | 4 bands



SU SERIES

The **AARTOS™** programmable jammer delivers a gapless coverage from 400 MHz to 6 GHz with an effective jamming range of 10 km.

With its directional antennas it is able to cover all commercial and military drones up to 6 GHz and can counter them with a freely adjustable output power of 30W per sector (upgradable to 100W).

The **AARTOS™** CMS (Countermeasure Solutions) can only be sold to entities with proper government approval for the deployment of jammers. For more information, contact us at mail@aaronia.de.



FJ SERIES

The “FJ series” stationary jammer features a jamming range of typically 3 km and creates a system that can reliably and quickly locate and neutralize threats.

With its directional and omnidirectional antennas and a maximum output power of 390W the jammer is capable of countering drones within the most common frequency bands (GPS e.g. upper and lower L-band, 2.4 GHz, 5.2 GHz, 5.8 GHz, etc.).

As with all of our jammers, the interference created is extremely selective, in order to make sure other RF channels are not impaired. In addition, the jammer is directional, and will only jam signals in the direction of the incoming UAV.



MU SERIES

The mobile UAV jammer is a potent and portable drone jamming system, featuring 40W output power and an impressive 2 km range. Covering four frequency bands, it ensures adaptability to diverse unmanned aerial vehicles.

With a 2h battery life, the device provides a reliable and portable solution for countering potential drone threats. Its standout feature is the highest coverage among commercial models, making it a valuable tool for security and defense applications.

Moreover, the device is customizable on demand, allowing users to tailor its specifications for specific operational needs, enhancing its flexibility and utility in various scenarios.



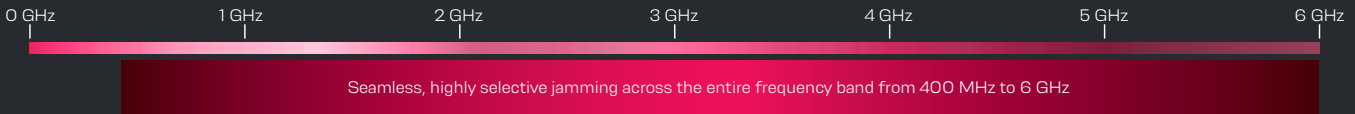
The SJ Jamming Series is an advanced, high-performance jamming system designed to deliver comprehensive frequency coverage and intelligent signal disruption. Its standout feature is the ability to program an unlimited number of channels or bands, ensuring seamless, gapless coverage across the entire frequency spectrum—from 400 MHz to 6 GHz.

This makes the SJ Jamming System exceptionally effective against a wide range of threats, including commercial, custom-built, and military-grade drones. A key advantage is its long-range capabilities, providing an operational reach of up to 10 kilo-

meters with full 360° coverage.

The system is available in multiple configurations, allowing users to select between 30 W or 100 W output power per sector, with 4- or 8-sector variants to suit different operational needs.

Built for durability, the SJ Jamming Series features no moving parts and carries an IP65 rating, ensuring robust protection against dust, water, and harsh environmental conditions. It operates reliably in extreme temperatures, from -20°C to +60°C, making it ideal for deployment in diverse and demanding environments.



	SJ240-4	SJ240-8	SJ800-4	SJ800-8
Typ. Range	4 km	4 km	10 km	10 km
Antenna(s)	8x 45° directional			
Simultaneous active sectors	4	8	4	8
Frequency range	400 MHz to 6 GHz			
Maximum output power	120W	240W	400W	800W
Sector output power	30W	30W	100W	100W

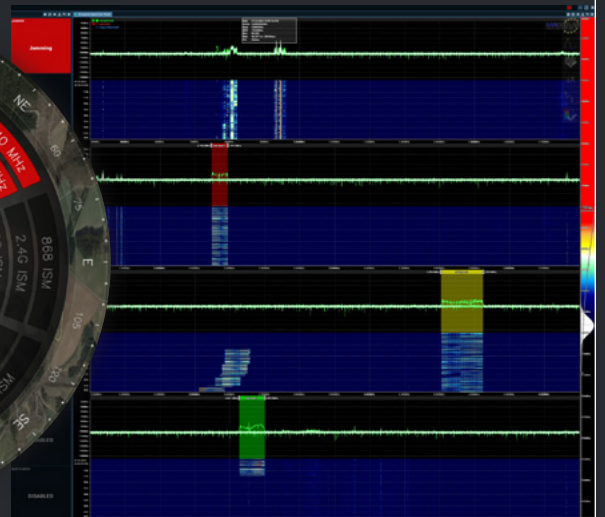
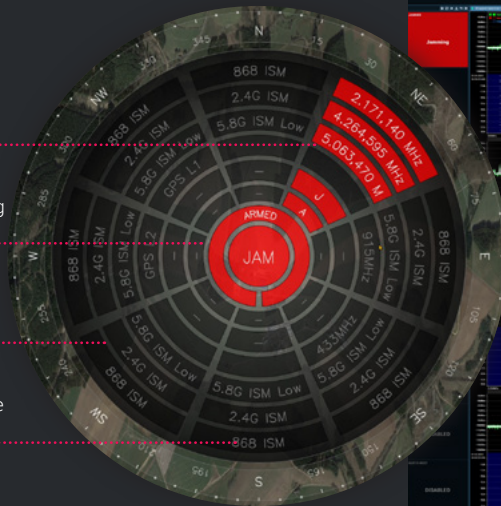


Active 45° sector with frequencies automatically detected in real-time

Jamming system is armed and actively jamming the selected sectors and detected frequencies

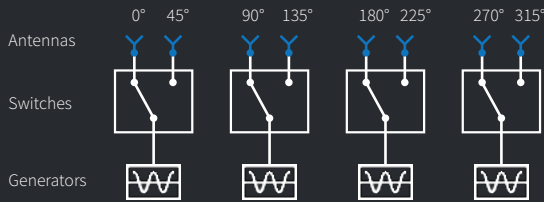
Inactive 45° sector with default pre-configured frequency bands

Standard SJ series come with 3 freely selectable frequency bands / sector (more on demand)



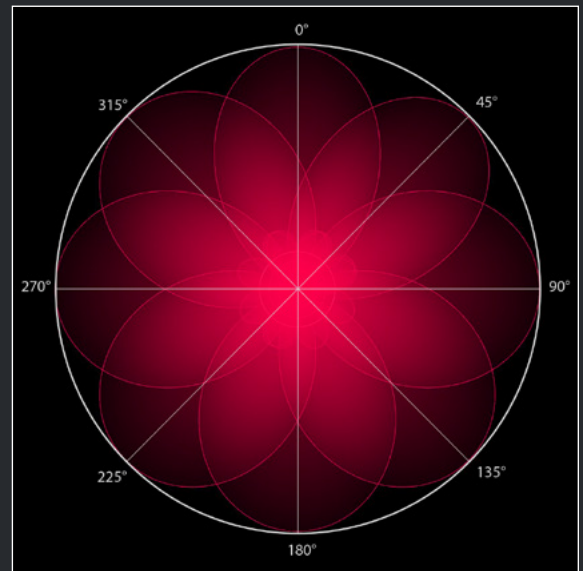
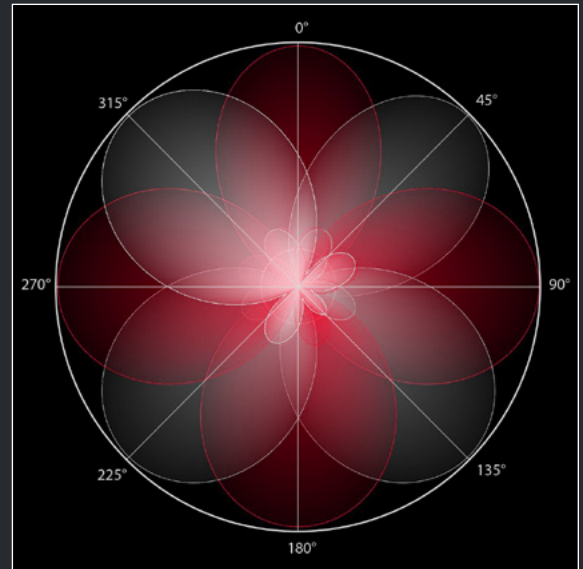
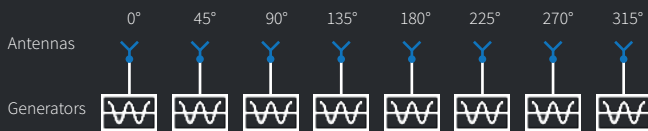
▶ **360° with 4 active effectors**

The 4-sector jammer has the ability to jam in 4 directions simultaneously. The sectors are connected in pairs, and one sector of each pair can be switched on. For example, it would be possible to jam 45° in all 4 directions at the same time or, by adjusting the configuration/routing switch, block 0° to 180° (sector 1-4) simultaneously.

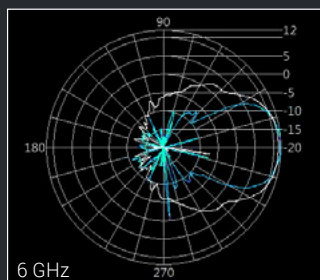
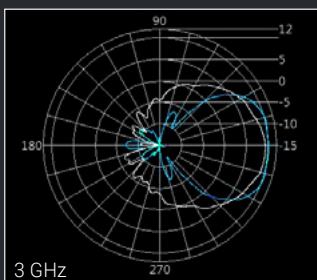
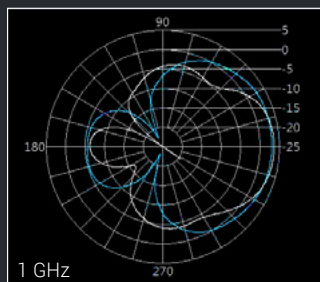
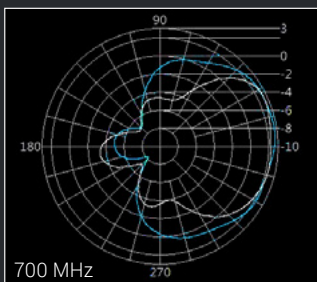


▶ **360° with all effectors active**

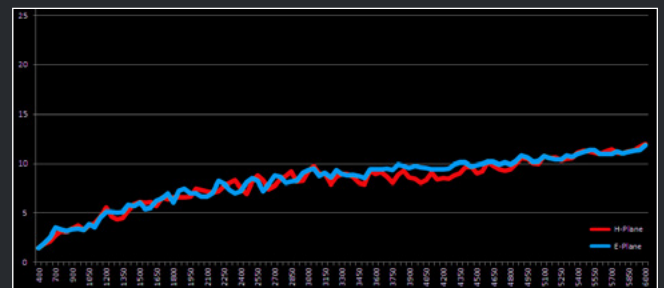
With the 8-sector jammer, it is possible to jam the full 360° simultaneously. This is the most effective solution for securing critical infrastructures where multiple threats may enter an area at the same time (i.e. nuclear power plants, airports, borders etc.).



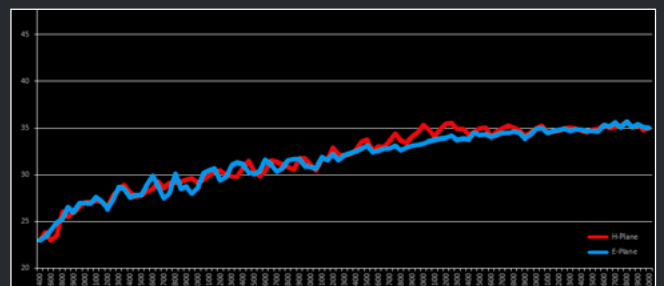
▶ **Antenna Patterns**



▶ **Antenna Gain**



▶ **Antenna Factor**



The "FJ Series" Fixed Bands Sector Jammer is a robust and versatile jamming device with several notable features that sets it apart in the commercial market.

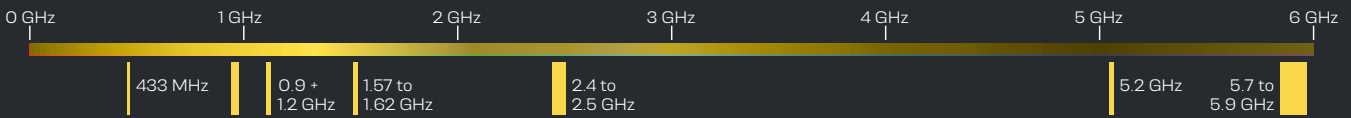
Designed for effectiveness and efficiency, it offers a substantial jamming range of up to 3 kilometers, making it suitable for a variety of operational scenarios.

One of its key strengths lies in its flexibility – it can handle up to 7 selectable frequency bands, providing a wide scope of interference capabilities. A standout feature of the FJ Series is its ultra-sharp signal purity, which ensures precise jamming without unnecessary spill-over into non-target frequencies. This precision

is backed by a potent output power of up to 390 watts. The device covers the largest frequency range among all commercial models, highlighting its versatility and adaptability in different environments.

Users can choose between corner jammer models, which provide a focused 180° coverage, and omni-jammer models that offer a comprehensive 360° coverage, depending on their specific needs.

In terms of durability and operational conditions, the FJ Series is designed to function in a wide temperature range, from -20° C to +60° C, making it suitable for use in extreme environments.



FJ390-4

Typ. Range ▶ 3 km

Sectors ▶ 4 (360°)

Total output ▶ 390 W

Directional 2.4 to 2.5 GHz ▶ 25 W

Directional 1.57 to 1.62 GHz ▶ 40 W

Directional 5.7 to 5.9 GHz ▶ 20 W

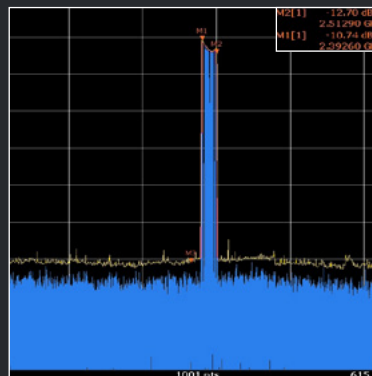
Omnidirectional 433 MHz (optional) ▶ 20 W

Omnidirectional 860 to 930 MHz (optional) ▶ 30 W

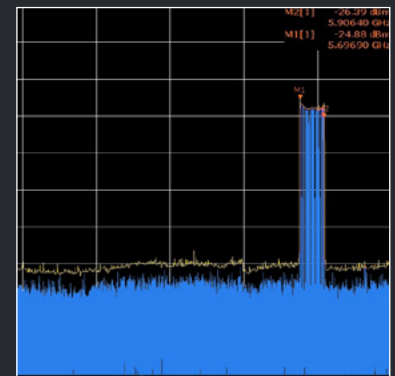
Omnidirectional 1227 MHz ▶ 30 W

Omnidirectional 5.2 GHz ▶ 20 W

Colors ▶ RAL



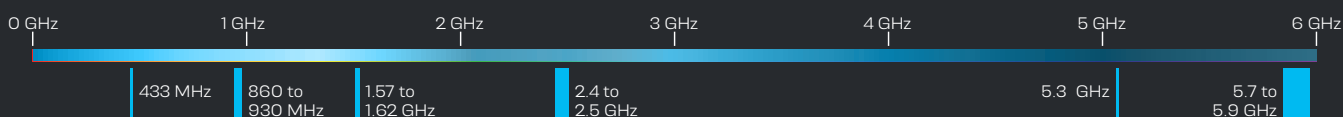
2.4 GHz signal purity



5.8 GHz signal purity

The MJ40 handheld UAV jammer is a highly advanced and portable drone countermeasure system, designed to neutralize unauthorized unmanned aerial vehicles (UAVs) with precision and reliability. Boasting a powerful 40W output, this compact yet robust device delivers an exceptional operational range of up to 2 kilometers, making it one of the most effective handheld jammers available for security and defense applications. The broad frequency coverage allows the MJ40 to effectively counter drones operating on different communication protocols, ensuring adaptability in dynamic threat environments.

Whether dealing with recreational quadcopters, commercial surveillance UAVs, or more sophisticated systems, the MJ40 provides a versatile countermeasure solution. In addition to its impressive technical capabilities, the MJ40 is engineered for extended field use, featuring a two-hour battery life that allows operators to maintain continuous protection without frequent recharging. Its ergonomic and lightweight design ensures portability, making it ideal for mobile security teams, military personnel, critical infrastructure protection, and VIP security details.



MJ40

Usage ▶	Handheld
Typ. Range ▶	2 km
Total output ▶	40 W
Directional 2.4 to 2.5 GHz ▶	10 W
Directional 1.57 to 1.62 GHz ▶	10 W
Directional 5.2 GHz ▶	10 W
Directional 5.7 to 5.9 GHz ▶	10 W
Directional 865 to 930 MHz ▶	10 W (instead of 5.2 GHz)
Battery life ▶	Up to 2h
Operating Temperature ▶	-20°C to +60°C
Dimensions in mm ▶	353 x 260 x 131
Weight in kg ▶	~2.7 kg
Colors ▶	black, white, olive, sand





G20 Summit Brazil 2024 & Bali 2022



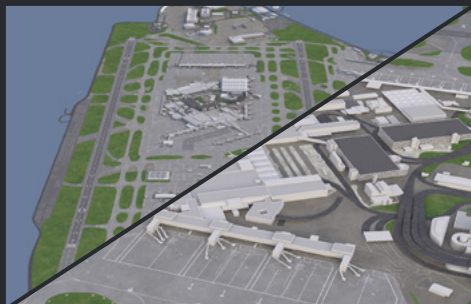
NATO Summit, Brussels



North Korea / USA Summit, Singapore



Airpower 2024, Austria



Heathrow International Airport, UK



Formula 1 GP Red Bull Ring, Austria



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