



DRONE JAMMERS

In recent years, the civilian drone market has experienced a rapid expansion, accompanied by user-friendly features such as GPS autopilot and customization options. However, this convenience has also led to concerns regarding unregulated drone flights over sensitive areas. To address this issue, CPM Elettronica offers a diverse range of drone jammer solutions, specifically designed to counteract RF/GPS controlled UAVs. With our advanced equipment, we provide an effective means of safeguarding cities and critical locations from the potential risks associated with uncontrolled drone operations.



CPM WATSON-PLUS



GENERAL DESCRIPTION

CPM-WATSON-PLUS is a handheld long-range multi-band Counter-UAS jammer designed to safeguard against unauthorized drone intrusions. This lightweight and user-friendly system utilizes cutting-edge jamming technologies, striking the perfect balance between performance and size. Its compact design allows for easy portability and operation, making it a reliable “jammer gun” solution. With up to 6 bands, the CPM-WATSON-PLUS effectively disrupts common links between the UAS and satellite networks (GNSS), including new-generation frequencies. It can be utilized as a standalone device or seamlessly integrated with a detection system. When integrated, the CPM-WATSON-PLUS receives alert signals via radio, enabling precise targeting of the offending UAS.

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

Jamming frequencies and RF power output	Band 1-2: VHF/UHF 30W+/-1.5dB Band 3: GNSS L1 2W+/-1.5dB Band 4: Wi-Fi ISM 30W+/-1.5dB Band 5-6: Wi-Fi ISM 20W+/-1.5dB
Power supply	Internal Li-Ion 10.3 Ah BB2590 Mil-Spec Battery
Endurance	Continuous jamming = Approx. 45 min Stand by mode = Approx. 48 hours
Temperature operating range	0°C + 55°C, Splash Proof
Jamming mode	CW full band digital sweep and digital noise
Jamming technology	Direct modulation over digital direct synthesized signal
Antennas	4 internal antennas
Effective UAV blocking range	≥750 m, where 75 m is the distance between the UCS (remote control) and the drone itself [ratio 10:1 (distance UAV-Watson / distance UAV-UCS)]
Dimensions and weight	Approx. 816 x 312 x 120 mm (antennas included) Approx. 7.9 Kg (battery included)
Safety certification	ICNIRP compliant
Display	User-friendly display and push buttons for band disable/enable, power adjustment, battery status, alarms and (optional) threat approach indicator integrated with external detection systems

CPM WILSON-PLUS



GENERAL DESCRIPTION

CPM-WILSON-PLUS is a handheld countermeasures jammer designed to defend against unauthorized drone intrusions. This ultra lightweight and user-friendly system offers optimal protection for designated areas, utilizing advanced jamming technologies that strike a balance between performance and affordability. Its compact size allows for easy transportation, and it functions as a versatile “jammer pistol” with three bands that effectively disrupt common links between the UAV and operators, as well as GNSS, preventing the drones from reaching their intended targets. For enhanced situational awareness, the CPM-WILSON-PLUS can be optionally integrated with an external detection system, allowing it to receive broadcast information about the drone’s position.

KEY FEATURES

- COMPACT AND LIGHT
- EASY TO USE
- FAST RESPONSE
- 3 BANDS / 3W

TECHNICAL SPECIFICATIONS

GENERAL INFORMATION

Jamming frequencies and RF power output	Band 1: GNSS L1 3W+/-15dB Band 2: Wi-Fi ISM 3W+/-15dB Band 3: Wi-Fi ISM 15W+/-15dB
Power supply	External power supply: bretronics battery model BT-70716BV (Wilson-Plus) Internal power supply: Li-Po commercial battery 1.3 Ah 3S 11.1V
Battery life	Continuous jamming = Approx. 30 minutes Stand by mode = Approx. 48 hours
Temperature operating range	0°C + 55°C, Splash Proof
Jamming technology	Direct modulation over digital synthesized signal
Antennas	3 directional antennas
Effective UAV blocking range	Approx. 500 m, where 100 m is the distance between the remote control and the drone itself [ratio 5:1 (distance UAV/WILSON / distance UAV-Remote control)]
Display	User-friendly display and push buttons for band disable/enable, power battery status, alarms and (optional) threat approach indicator integrated with external detection systems

DIMENSIONS AND WEIGHTS

Dimensions	Approx. 390 x 252 x 78 mm (antennas included)
Weight	Approx 1.5 Kg (battery included)

Different use same platform



CPM KHANN-ONE Long-Range High-Power Jammer

The Khann-One is an integrated multi-band drone countermeasure system composed of independent high-power jammer modules covering up to 12 bands. The system is equipped with high-gain directional antennas placed on a pan & tilt unit, allowing it to create a 360-degree no-fly zone. Thanks to its high power and the network established between the detection systems and the jammer itself, the operator is capable of blocking drone intrusions over long distances.



CPM CUPPOL-ONE 360° Integrated Jammer

The CPM Cuppol-One is an integrated anti-drone jammer system that includes directional motorized antennas with a range of 0/90°-0/360°. The CPM Cuppol-One receives target UAV coordinates from a Find, Track, and Identify System. This option enables the device to be deployed in multiple locations and operate autonomously. The network can effectively block UAV intrusions before they reach sensitive targets, thanks to its extended range.



CPM-OWL Accessory for Camera System

The Owl is a Radio Frequency Multiband Jammer, specifically designed to be installed as an accessory to camera/radar systems, serving as a commercial UAVs electronic countermeasure. Its primary objective is to create and maintain an effective no-fly zone for remotely-controlled UAVs.



CPM DJI-120-4B Man-Pack Anti-Drone Jammer

The CPM DJI-120-4B is a drone countermeasure system consisting of a rifle with a remote control and a lightweight man-pack. The system is capable of disrupting the most common drone links and GNSS on the bands GNSS L1, GNSS L2, and Wi-Fi ISM.

Equipped with GAN technology power amplifiers, the jammer modules can provide up to 30W each, making them both efficient and powerful. The system is designed to be user-friendly and rugged for ease of use.



HPRC-6B-DRONE Stationary Anti-Drone Jammer

The CPM HPRC-6B-DRONE jammer is a drone countermeasure system designed to accommodate up to 6 independent modules, each capable of delivering up to 30W of power per band. These modules are equipped with concealed high-gain directional antennas. The system's technology is based on our well-known medium-power fixed jammers, allowing for the creation of a no-drone zone within a designated area. HPRC-6B-DRONE ensures effective isolation of specific locations such as prisons, exhibition centers, governmental buildings, and military zones from potential drone intrusions.