



MULTI-SENSOR AUTOMATIC DRONE  
DETECTION & OBSERVATION SYSTEM

## ANTI-DRONE JAMMER

### Mobile Manpack Jammer



**MADDOS** Mobile Manpack Jammer is a RF jammer to prevent unmanned aerial vehicles (UAVs) from posing any threats, blocking them from entering the protected area either by forcing them to land, sending UAVs to their launch point, or forcing them to hover around uncontrollably. **MADDOS** Mobile Manpack Jammer features both Directional and Omni-directional (All-round) jamming modes, covering the bands 433MHz, 868/915MHz, 2.4GHz, 5.8GHz, and Global Satellite Positioning Signal - GNSS (GPS/GLONASS/Galileo/BeiDou) which enable effective operation against the most widely used commercial UAVs.

**MADDOS** Mobile Manpack Jammer blocks and disrupts the transmission of remote-control signal, video signal, and GNSS to the UAVs at five frequency bands including 433MHz, 868/915MHz, 2.4GHz, 5.8GHz and GNSS L1 and L2 within an effective jamming range of more than 2,500 meters using the Directional Mode and a radius area of more than 1000 meters using the Omni-directional jamming mode. The All-round jamming coverage will prevent UAVs from entering the protected area from any direction regardless of the number of UAVs trying to intrude.

## Specifications

Light, man pack and portable	For easy to carry, fast-response operation, and high efficiency
Frequency Band Coverage	433MHz band (420 to 450MHz) 868MHz band (860 to 902MHz) or 915MHz band (902 to 928MHz) 2.4GHz band (2400 to 2485MHz) 5.8GHz band (5725 to 5850MHz) GNSS L1 band (1559 to 1610MHz) GNSS L2 band (1208 to 1254MHz) (Covering GPS L1&L2, GLONASS G1&G2, Galileo E1 & BeiDou B1&B2)
Custom Operating Band	Able to turn on/off each or all frequency band
Jammer Technology	Electronic Voltage Oscillator. Smart Waveform full band starring coverage without hopping.
Antenna Beamwidth	Directional Mode: 30-45° Omni-Directional Mode: 360°
Against multiple UAVs attack	Yes, using Omni-directional Mode
Built-in Test	Yes, with OLED Display
Display & Information Alerts	Display start up and build in test Display of battery level, temperature & jammer Ops Display direction of aiming with build-in digital compass
Jammer Power	20W per Band (Rated Power)
Directional Jamming Range	> 2 500 meters - depending on type of Drones and range ratio
Omni-Directional Jamming Range	> 1 000 meters radius - depending on type of Drones and range ratio
Directional Operating Band	6 incl. 433MHz, 868/915MHz, 2.4GHz, 5.8GHz, GNSS L1 and L2
Omni-Directional Operating Band	6 incl. 433MHz, 868/915MHz, 2.4GHz, 5.8GHz, GNSS L1 and L2
Power Supply	Rechargeable Battery (DC), can use direct AC for operations
Standby Battery Time	48 hours
Continuous Operational Battery Time	Up to 120min using battery, unlimited duration using AC
Battery Charging Time	2 hours (low level to full charged)
Environmental & Ruggedization	IP65
Total Weight	< 14kg depending on configuration, ~3kg for handheld Antenna system