

Dronebuster™

Counter UAV solutions for Military, Federal, and Local Law Enforcement



The Dronebuster comes standard in black, desert tan, and safety orange



The Dronebuster™ is a cost effective tool for security teams and first responders to use during fluid, ambiguous, fast-paced encounters. The system allows security teams and law enforcement to efficiently deal with a drone approaching a Forward Operating Base, hovering over a large crowd, snooping into secure/private areas, or flying in restricted airspace. With the Dronebuster™, the operator has the tools to intercept the drone command link and command the drone to descend or go home. All the operator must do is aim the Dronebuster™ at the drone and toggle the switch.

FEATURES

915 MHz, 2.45 GHz and 5.8 GHz Drone Communication Protocols

433 MHz, 445 MHz & 455 MHz HAM bands

Integrated RF Identification and Location

GPS Disruption

Highly Directional

Portable

Upgradable

BENEFITS

Exploits weaknesses in COTS 915 MHz, 2.45 GHz and 5.8 GHz drone communication protocols enabling the operator to command the drone to land or go home.

Also exploits weaknesses in HAM radio 433, 445 & 455 MHz drone communication protocols enabling the operator to command the drone to land or go home.

Integrated RF power meter and signal analyzer enables the operator to reliably aim the system even in low visibility. Additionally, a trained operator can identify the types of messages coming from the target drone (e.g. C2, video, telemetry, etc.)

The Dronebuster™ is also equipped with an optional GPS disruption card that can jam GPS L1 and GLONASS L1 frequencies. The unit can separately trigger ISM bands, GPS/GLONASS bands, or both simultaneously. Note: This feature is only available to Federal agencies.

Limited area of effect, will not disrupt friendly RF systems

The system is 17.6" x 9" x 3.6", weighs approximately 3 lbs. and does not require any external power source or auxiliary equipment (e.g. no backpack)

The system can be field upgraded to include exploits for new drones as they come to market

APPLICATIONS

BASE SECURITY

EVENT SECURITY

FIRE FIGHTING

AVIATION SECURITY

CONVOY SECURITY

CAMPUS SECURITY



The Dronebuster-LE system is shown above. The Dronebuster requires no external power or electronics. An operator can be trained on how to use it in less than 5 minutes.

The only version currently available for purchase in the U.S. is the Federal/DOD version that includes some jamming technology that can only be purchased by U.S. Federal agencies. For all non-Government entities: This device has not been authorized as required by the rules of the U.S. Federal Communications Commission. This device is not, and may not be, offered for sale or lease in the U.S. until authorization is obtained. Sale to international customers is subject to ITAR restrictions.

Specifications	
Size	21"L x 11"H x 6.5"W
Weight	4.5 lbs.
Battery Type	BB-2847A/U (BT-70747) Li-Ion rechargeable battery.
Endurance	3+ hrs. continuous jamming, 10+ hrs. in RF detection mode
Continuous Operation	12 VDC input power
Effective range	750m to 1000m depending upon range from drone to controller. Typical range is 300% of distance from drone to controller.
Duty Cycle	Transmits continuously upon activation
ISM Jamming Frequencies	433 MHz, 445 MHz, 455 MHz, 915 MHz, 2.45 GHz and 5.8 GHz bands.
GPS Jamming Frequencies	GPS L1 and GLONASS L1 frequencies using shaped beam to minimize inadvertent GPS disruption.
Applicability	Effective on all Group 1 and Group 2 UAS sold worldwide using 433 MHz, 445 MHz, 455 MHz, 915 MHz, 2.45 GHz and 5.8 GHz bands for communications



Feb 2016 – Unknown drones fly over Navy Nuclear Weapon Base



Dec 2015 – for 20 minutes, drones deny airspace to helicopters with water buckets



Jan 2015 – Drone crashes at White House



Sept 2013 – Drone crashes near Chancellor Merkel



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