



The PITBULL is a wearable smart jammer engineered to protect dismounted soldiers against commercially available drones used by enemy forces for reconnaissance or as weapon delivery systems. With its ruggedized exterior, and weighing only 775 gram, the PITBULL smart jammer is a versatile platform that allows dismounted soldiers to focus on the mission. The PITBULL works together with the WINGMAN series of drone detectors, making a complete detect-and-defeat solution to mitigate the threat of malicious drones.

MyDefence is determined to reduce SWaP (Size, Weight and Power consumption), and the PITBULL is developed to be the toughest, lightest, and most power-efficient wearable Counter UAS jammer available on the market at a cost-effective price.

Contact MyDefence

E-mail: sales@mydefence.dk
 Phone: +45 70 251 252
www.mydefence.dk

PITBULL

A wearable Counter UAS jammer, capable of defeating remote controlled commercially available drones (UAV, UAS, RPAS, etc.) by jamming the control signal at long ranges – with minimal impact on own communication.

Technical features	PB101
Weight	775 gram
Dimensions (D x W x H)	60x90x165mm (2.36x3.54x6.50 inch)
Battery (standby)	>20 hours
Battery (continuous jamming)	2 hours
External battery	AN/PRC-148 and AN/PRC-152
Operating modes	Automatic and Manual
Operating temperature	-30 – 65°
Transmit power (average)	2W
Frequency bands	2.4GHz, 5.2GHz, 5.8GHz and 1.6GHz (GNSS)
Internal antenna	6 dBi antenna gain EIRP of 8W (39dBm) Circular polarized Half power beamwidth 60° hor. & ver.
Jamming range	1000 meters
Color	Black/Desert/Custom
Included accessories	<ul style="list-style-type: none"> Molle System Custom Peli case
Optional accessories	<ul style="list-style-type: none"> Firmware upgrade tool

Capability

The PITBULL is a true wearable Counter UAS jammer that can be carried on the torso or on the outside of your clothes to optimize performance (e.g. tactical vest) using the MOLLE straps. Its low weight and small form factor allows each soldier to carry a personal PITBULL as an active countermeasure against the threat of malicious drones.

The PITBULL works directly out of the box and is very easy to operate. It is designed to function either autonomously or manually, and the internal directional antennas cover the 2.4GHz, 5.8GHz and GNSS frequency bands. With its directional antennas, the PITBULL is capable of jamming a malicious drone at the distance of 1000 meters. An external active antenna will be made available to cover additional frequency bands.

The PITBULL can work as a stand-alone device. In manual mode, the PITBULL will constantly jam the desired frequency to deny any malicious drones access to the airspace. In autonomous mode, the PITBULL can work together with the WINGMAN series of drone detectors, and automatically jam the control signal when a malicious drone is detected.

The impressive performance packed in a small and lightweight form factor makes it the only truly wearable Counter UAS jammer on the market that is designed to meet the tactical requirements of dismounted soldiers.

Features developed with the end user

PITBULL is designed to reduce the cognitive load of its operator, allowing soldiers to focus on the mission. The Counter UAS jammer is light, wearable and requires little to no training. The software-based jammer will continuously be updated in an effort to constantly refine and better the performance of the jammer.

MyDefence is working on an external active antenna for the PITBULL Counter UAS jammer that will provide the end user with the ability to cover additional frequency bands, and thereby extending the capability of the jammer.

WINGMAN 103

