For restrictions on using jammers, please contact your national frequency regulator.

Rantelon
RF/Microwave Electronics

Drone Jamming Gun PJ-2458

Overview

Drone Jamming Gun PJ-2458 provides a highly effective countermeasure against a wide range of commercially available consumer drones. It works by emitting a radio frequency signal which disrupts the reception of the remote controller signal at the drone, therefore disabling the remote control capabilities. This allows to prevent drones from flying in restricted airspaces. The jammer comes in a portable and robust housing and its usage requires no technical training. Simply turn it on and point towards the drone!

Features

- ✓ **Easy to use - no training required**
- ✓ **Portable, robust and durable housing**
- ✓ **Over 1 km effective jamming distance**
- ✓ **High gain built in Yagi antennas**
- ✓ **Fast swtich-on time**
- ✓ **Low out-of-band emission**
- ✓ **Long working time**
- ✓ **Small size and light weight**

Specification

RF and Electrical	
Frequency band #1	2.4 GHz
Frequency band #2	5.8 GHz
Output power (per band)	43 dBm
Antenna gain	12 dBi
Power supply (LIB)	18 V / 6 Ah
Run time on full charge	1 hour

Mechanical and Environmental	
Operating temperature	-20 to +55°C
Storage temperature	-40 to +70°C
Dimensions	640 x 110 x 55 mm
Weight	1.8 kg
Operating humidity	5% to 95%
Self protection	Overheating, SWR

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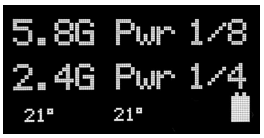
Safety Instructions

1. Do not point the activated jammer towards humans, animals, or any electronical devices except the targeted drones.
2. Do not grab the activated jammer from the antenna.
3. Remove battery from the device when storaging it.

Usage Instructions

1. Make sure to insert a charged battery (5) into the device before trying to use it for jamming drones.
2. By switching on the power from the power switch (1) the jammer **immediately** starts emitting.
3. Information about the jammer configuration (bandwidth, jamming signal characteristics) and status (internal temperature and battery level) are displayed on the screen (2) on top of the device. In case of overheating or SWR error, such information will be displayed to help overcome the problem.

4. Band configuration buttons on the side can be used to alter between four different sweep rates (50, 10, 5, and 3 kHz). Use the 50 kHz rate against **commercial drones** and other DSSS wireless communications, such as the IEEE 802.11b networks. Use the lower sweep rates against any other wireless communication systems, e.g., systems such as the IEEE 802.11g that use OFDM. All settings are automatically saved and then reloaded when turning on the device.
5. Jamming a frequency band can be disabled by holding down its configuration button (3) while powering on the device. Both bands can be disabled simultaneously.
6. In order to configure the output power, press both band configuration buttons (3) simultaneously once the device is powered on. In the presented menu, output power for either band can be configured at levels 1/8, 1/4, 1/2, and 1/1.



Device Construction

1	Power switch	**4**	Antenna housing
2	Display	**5**	Battery
3	Band selection		