

## Overview

Jammer Manpack MJ-2458 provides an effective countermeasure against a wide range of commercially available consumer drones similarly to the the Drone Jamming Gun PJ-2458, with the additional capability of jamming GNSS reception.

## Specification

| RF and Electrical        |               |
|--------------------------|---------------|
| Frequency band #1        | 2.4 GHz       |
| Frequency band #2        | 5.8 GHz       |
| Frequency band #3        | GNSS          |
| Output power (per range) | 43 dBm        |
| Antenna gain             | 9 dBi         |
| Power supply (LIB)       | 24 V / 7.5 Ah |
| Run time on full charge  | 45 minutes    |

| Mechanical and Environmental |                   |
|------------------------------|-------------------|
| Operating temperature        | -20 to +55°C      |
| Storage temperature          | -40 to +70°C      |
| Dimensions                   | 400 x 140 x 75 mm |
| Weight                       | 4 kg              |
| Operating humidity           | 5% to 95%         |
| Self protection              | Yes               |

## Features

- ✓ Easy to use - no training required
- ✓ Portable, robust and durable housing
- ✓ Over 1 km effective jamming distance
- ✓ High gain built in patch antennas
  - ✓ Fast switch-on time
  - ✓ Low out-of-band emission
  - ✓ GNSS jamming capabilities



## Safety Instructions

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

## Usage Instructions

1. Make sure to insert a charged battery into the device before trying to use it for jamming drones.
2. The device can be either operated from the remote control (optional) or from the back of the device.
3. Press and hold the PWR (1) button for 3 seconds to turn the jammer **on** or **off**. By turning on the jammer, it **does not immediately** start emitting RF signals.
4. To start jamming press the TX (2) button on the remote or back panel. Status indicators at the back panel near channel buttons indicate the used power levels (green - max, orange - half, red - off).
6. On the remote controller, CH (5) button cycles through channels. For the active channel, a preset frequency range can be selected with the BAND (4) button and power level can be changed with the PWR (3) button. The PWR buttons on the remote and at the back panel are not equivalent.
7. From the back panel, channel powers can be selected by pressing the channel buttons (CH). Frequency ranges cannot be changed from the back panel. However, the device always restores previous configuration and therefore the device can be pre-configured with the remote and used without requiring the remote.
8. The status indicators at the back panel turn off after 10 seconds of inactivity or with a short press of the PWR button. To make the back panel LEDs permanently visible, double press the PWR (1) button at the back panel.

### Device Construction



|     |                   |
|-----|-------------------|
| 1   | Power switch      |
| 2   | Transmit on/off   |
| 3   | Power selection   |
| 4   | Band selection    |
| 5   | Channel selection |
| CH  | Channel power     |
| LED | Status indicator  |