

RfPatrol

WEARABLE DRONE DETECTOR

Application

RfPatrol is a highly versatile, wearable drone detection device. The device offers the user real situational awareness without distraction or complex operation. RfPatrol has been designed to be highly effective for a variety of operators in a range of demanding environments.

The detection device can be worn, deployed on the ground or in a vehicle. The RfPatrol can be operated in two modes, 'Stealth' and 'Glimpse', allowing the user to control how they receive alerts.

The device is supported by 'DroneShield Link' that allows operators to keep their devices database up to date with the changing threat environment.



RfPatrol supplied in a rugged carry case



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MAKE	MODEL	THREAT
DJI	PHANTOM	HIGH
DJI	MAVIC	MEDIUM
PARROT	MAMBO	LOW
1/2		BATTERY

Features

Compact, Wearable Design

- Aluminium frame and polymer housing construction for high durability
- Environmental protection for extended use in harsh environments
- Optimised power consumption for extended operation
- Detectable MOLLE lok supplied for wearable & deployable use case

DroneShield Advanced Technology

- Integrated Software Defined Radio capability for compact application
- Detects both custom protocol and WiFi RF links
- 'DroneShield Link' - software update tool allows for capability expansion
- Future proofed hardware and software for product longevity

Optimal User Interface

- Multiple modes of operation; Stealth & Glimpse
- Stealth* - Audible feed via text to speech, Vibration
- Glimpse* - LED Visual Indicator, OLED display
- Designed for ease of operation with minimal training required

Compact Integrated Directional Antennas

- Supplied with omni-directional ISM band antenna
- No intentional RF transmissions for quiet & safe wearable operation
- Additional antenna ports available for capability expansion

Universal Design for Diverse Operational Scenarios

- Data feed output to Battle Management System (custom as required)
- Multiple power supply options for versatile operation (SWaP focus)
- Quick release & reload battery operation, NATO military grade battery
- Option to power by soldier worn body power supply



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Specifications

Detection Range: >1km (0.65 miles) Line-of-Sight, Omni Directional
Unit Weight: 740g (1.63lbs)
User Feedback: Visual, Haptic, Audible
Dimensions: 201mm x 98mm x 65mm (7.9" x 3.9" x 2.5")
(excluding antenna's & attachable battery)
Technology: Software Defined Radio
Detection Time: <5 secs (known frequency)
Detects: Drone Video & Control links
Colour: Matt Black/Desert

Environment

Operating temperature: -20° to + 50° C (-4°F to +122°F)
Designed to IP67

Battery Specifications (AN/PRC 152)

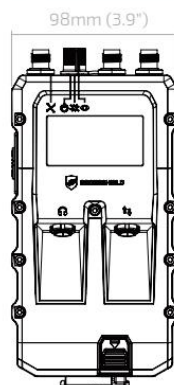
Rechargeable Lithium-Ion Battery, Quick release and reload battery
Common NATO-standard military grade battery
Battery Nominal Voltage: 10.8VDC
Battery Weight: 380g (0.83lbs)
Battery Dimensions: 71mm x 41mm x 86mm (2.8" x 1.6" x 3.4")
Operating Time: 10 hrs+ (continuous operation)
Pass through charger available for extended use
Operating temperature: -30°C to +60°C (-22°F to +140°F)

Warranty

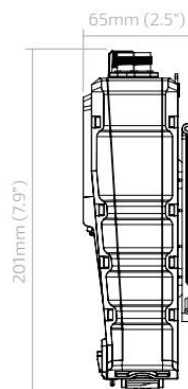
12 months from date of shipment

Shipping

Ships in a Rugged Carry Case (IP67)
Carry Case Dimensions: 525mm x 430mm x 215mm (20.6" x 16.9" x 8.4")
HS Code: 85269130



FRONT VIEW



SIDE VIEW

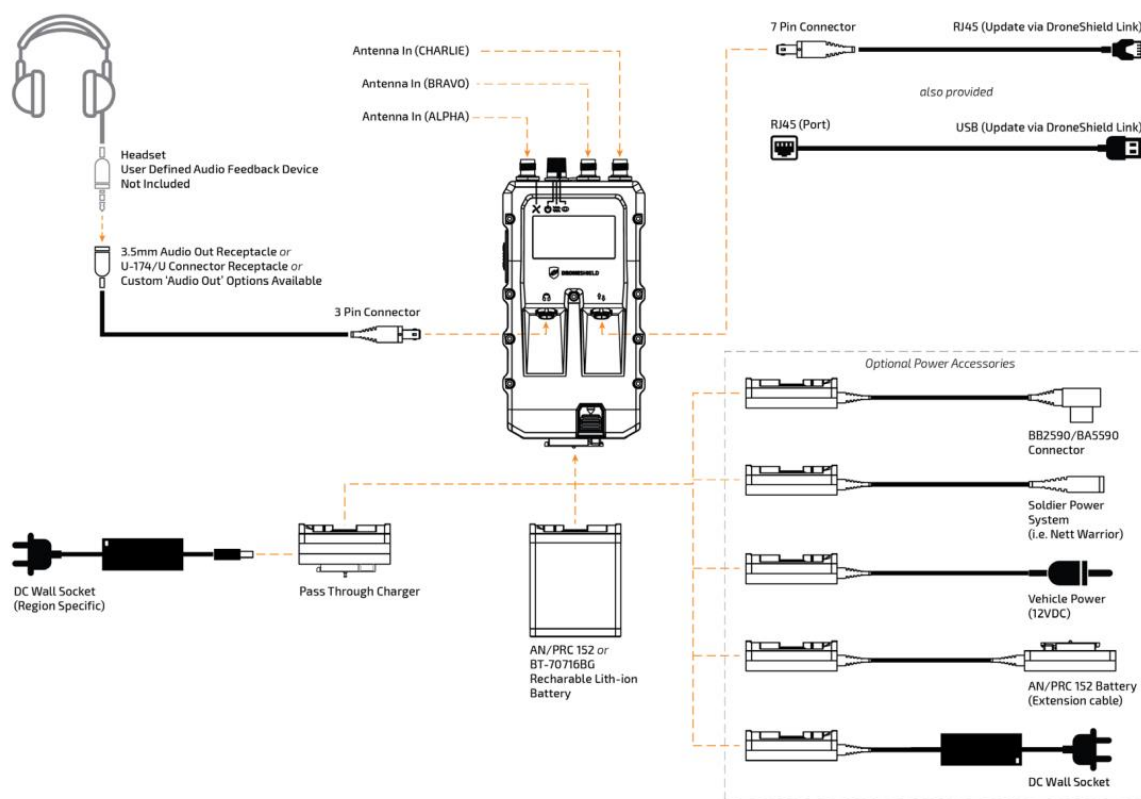
Carry Case Contents:

- Carry Case Contents:
- RfPatrol Device
- 1 x BT-70716BG Battery
- Battery Charger (PT)
- ISM Band Omni Antenna
- Custom Carry Case
- Operation Manual
- Update Cable (7 pin to RJ45)
- RJ45 to USB Converter
- Audio Cable (3 pin to audio)

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System Diagram



Scenario Description

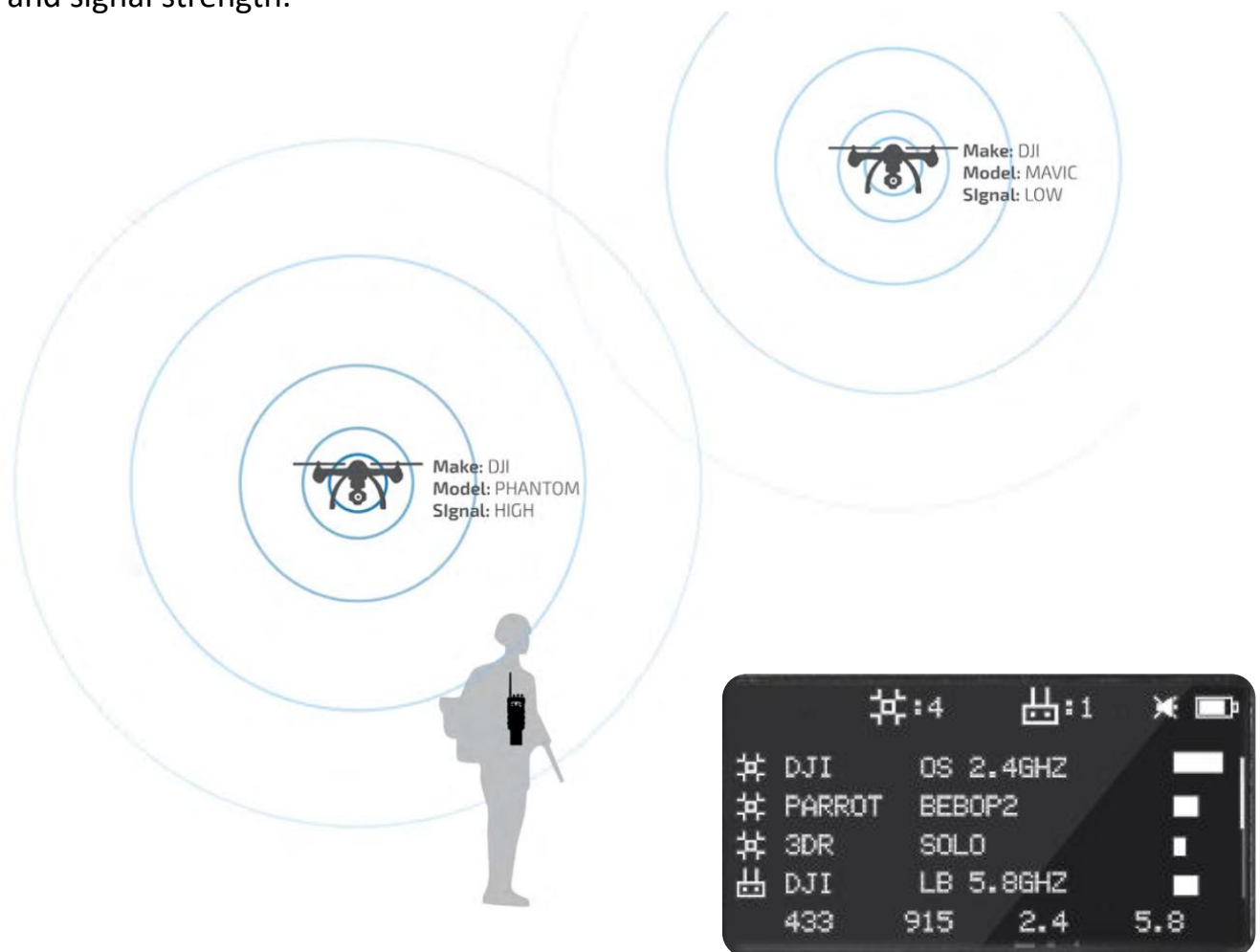
RfPatrol is worn on the person and switched to either *Stealth* or *Glimpse* mode. As multiple drones enter the detectable airspace, the device displays the make and model of the drone using signal detection.

In ***Glimpse*** mode, the **screen and LED's are on**.

When a drone is detected the user receives alerts through headphone audio and device vibration.

In ***Stealth*** mode the **screen and LED's are switched off**.

Any drone within detectable range is displayed on screen, showing the make, model and signal strength.



Pricing

RfPatrol MKII - Black	Body-worn RF drone detector - Black	23 000,00€
RfPatrol MKII - Tan	Body-worn RF drone detector - Tan	23 000,00€
Optional subscription to receive RfPatrol protocol updates (per unit, per annum)		2 300,00€

Price exclude

VAT, Transportation costs ,Customs fees, Training and installation costs if needed, Local taxes and other additional fees if applicable

Delivery package

- 1 x RfPatrol
- 1 x RfPatrol Battery BT-70716BV Battery
- 1 x RfPatrol Alpha Antenna 2.4GHz, 5.8GHz
- 1 x Data Cable - Military Connector to RJ45 + Adaptor
- 1 x Audio Cable - Military Connector to 3.5mm Jack
- 1 x Audio Cable - Military Connector to U-174U Jack
- 1 x Audio Cable - Military Connector to NEXUS Connector
- 1x Pass-through battery Charger + Transformer
- 1 x Universal Plug Adaptor
- 1 x Carry Pouch Multicam/AMCU/Black/Coyote Tan
- 1 x RfPatrol User Manual
- 1 x RfPatrol Carry Case
- 1 x Vehicle Power Cable Battery Eliminator