

## Overview

skyAlert is a rugged, wearable ADS-B detection and alerting system that enhances airspace awareness for UAS pilots operating in the field.

By detecting cooperative aircraft via ADS-B on both 978 and 1090 MHz frequencies, skyAlert provides real-time audible and visual alerts when crewed aircraft approach within a configurable proximity. This added layer of situational awareness helps operators maintain safe separation and focus on mission objectives.

Compact, lightweight, and built for demanding environments, skyAlert reduces setup time, eliminates the need for bulky ground equipment, and streamlines pre-flight operations. Its all-day rechargeable battery life and intuitive LED indicators make it the ideal companion for utility and first responder drone teams working in complex or remote airspace.



## Features

- Receives 978 and 1090 MHz ADS-B transmissions, allowing detection of all cooperative air traffic
- Audible alerts to air traffic posing a risk to UAS operations
- User configurable alerts based on intruder aircraft range and altitude prevent operator distraction
- Wearable device facilitating user mobility
- Small, lightweight and rugged to withstand field operations
- Rechargeable, long-life battery to support a full day of UAS operations
- Multicolored LED lights indicate fully operational status, charging level, intruder alerts, and GPS quality
- LED brightness controlled by ambient light sensor and user configurable
- Includes silicon sleeve and storage case
- Convenient USB-C charging interface
- Comes with a RAM mount belt clip. Other COTS mounting options available

## Technical Specifications

| Name                 | Part Number  |
|----------------------|--|
| skyAlert             | UAV-1008899-001                                    |
| ADS-B Detection      |  |
| Frequencies          | 978 and 1090 MHz                                   |
| Alerts               |  |
| Audible              | Loud recurring beep                                |
| Visual               | Multicolored LEDs                                  |
| Trigger              | User configurable<br>Default [1000 ft AGL, 1 mile] |
| Parameter            | Value  |
| Input Voltage        | 5V   |
| Size                 | 64.6 x 40.18 x 92.6 mm                             |
| Weight               | 161 grams  |
| Operating Temp       | -45 to 70°C  |
| Rechargeable Battery |  |
| Operating time       | Up to 12 hours                                     |
| Charging time        | Up to 12 hours from zero                           |
| Charger type         | USB-C  |

## Mechanical Specification

