

## BlueFly

QRC's BlueFly is a state-of-the-art detection device designed to enhance search and rescue operations. BlueFly's primary function is to detect the presence of Bluetooth Low energy and Wi-Fi signals, identify the devices present and localize the devices based on the signal strength relative to the position of the drone. This capability is particularly useful in locating individuals who may be carrying or wearing such devices, thereby expediting search and rescue efforts.

BlueFly is drone mountable capable of covering large search areas quickly, significantly outpacing on-foot search parties. By scanning from an aerial perspective, it can efficiently map out the presence of devices in real-time, providing a comprehensive overview of the search area. The data collected by the BlueFly is transmitted in real-time to Team Awareness Kit (TAK) capable Android devices, allowing teams on the ground to receive immediate updates and respond accordingly, enhancing their efficiency and effectiveness in the field and ultimately increase the likelihood of a successful rescue operation.



### Features

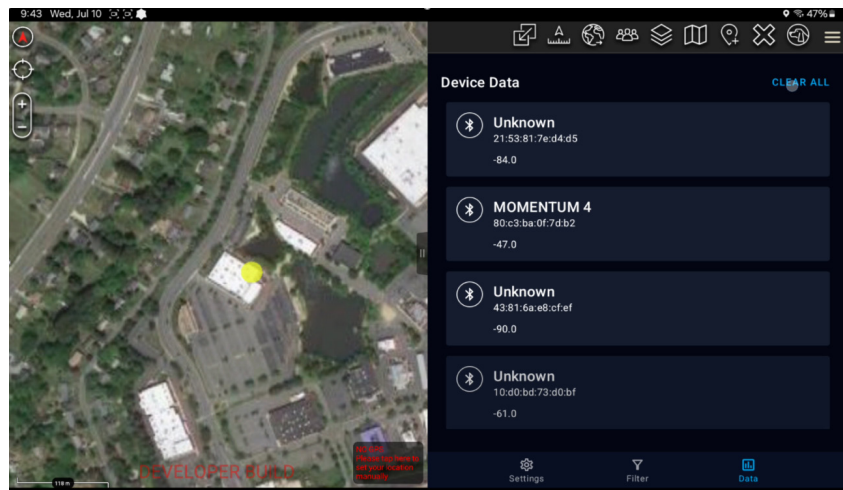
- TAK Integration
- Real Time Data Visualization
- Mountable to Most Drone Models

#### Technical Data: BlueFly

|                       |                      |
|-----------------------|----------------------|
| Dimension (H x W x L) | 2.75" x 4.25" x 5.0" |
| Weight                | 16 oz                |
| Power Input           | 2 18650 Batteries    |
| Operational Time      | 4+ hours             |
| Interface             | Android CivTak       |
| Communication         | LoRa, WiFi           |
| BLE Detection Range   | Up to 200m           |

#### Detection Information

| Bluetooth            | WiFi                    |
|----------------------|-------------------------|
| 200m Detection range | 200m Detection Range    |
| Bluetooth Low Energy | 2.4, 4.9, 5.8 GHz Bands |
| Device Name          | 802.11 a/b/g/n/ac/ax    |
| MAC Address          | Network Identity        |
| MAC Type             | Network Type            |
| Manufacturer         | MAC Address             |
| RSSI                 | RSSI                    |
| Last time Seen       | Last time Seen          |



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