



Product Manual

# ridTrack01

Portable Remote ID detector, discover nearby drones in seconds

Changsha RadioTrack Technology Co., Ltd. | v1.0 | 2026-06-14

Drone Detection Device

# 1 Product Introduction

ridTrack01 is a portable drone detection shoulder light that listens to GB-mandated drone Remote ID broadcast signals for detecting and locating common consumer drones. With its compact size and wearable design, it is ideal for routine security control of illegal drone flights, personal privacy protection, and pilots who need situational awareness of nearby airspace.



**Figure 1:** Product Appearance

## 2 Key Features

### 2.1 Drone Detection, Identification and Positioning

Covers most mainstream models on the market, including DJI, Autel, Potensic, and Anti-gravity, enabling rapid drone detection, identification and positioning.

- **DJI:** Mavic 3, Mavic 4, Matrice, Air 3, Mini 4K, Mini 4, Mini 5, Lito, Flip, Neo, Avata 2, etc.
  - Note: older models such as Mavic Pro, Mavic Air, Mini SE, Mavic Mini, Spark, DJI FPV, Inspire 1/2, and Phantom 1-4 do not support Remote ID.
- **Autel:** EVO Nano, EVO 2, EVO 3, EVO Lite, Dragonfish, etc.
- **Insta360:** Antigravity A1.



**Figure 2:** Supported Drones

### 2.2 Flight Status Information

Real-time access to key information including drone serial number, model, altitude, elevation, speed, heading, and pilot latitude/longitude.

### 2.3 Multi-Protocol Standard Support

- Supports WiFi 2.4G / 5.8G and Bluetooth BLE.
- Compliant with the latest national standard GB 46750-2025 and GB 42590-2023.
- Supports US standard ASTM F3411.

## 2.4 Audible and Visual Alerts with APP Notification

The shoulder light provides audible and visual alarms, together with APP sound notifications, to alert users immediately when a drone is detected.

## 2.5 WeChat Mini Program and Standalone APP

- Supports WeChat Mini Program, compatible with Android and iOS.
- Android APK standalone application is available.
- Main features:
  - Navigate to pilot location
  - Whitelist management
  - Chinese/English switching
  - History export and track query
  - OTA online upgrade

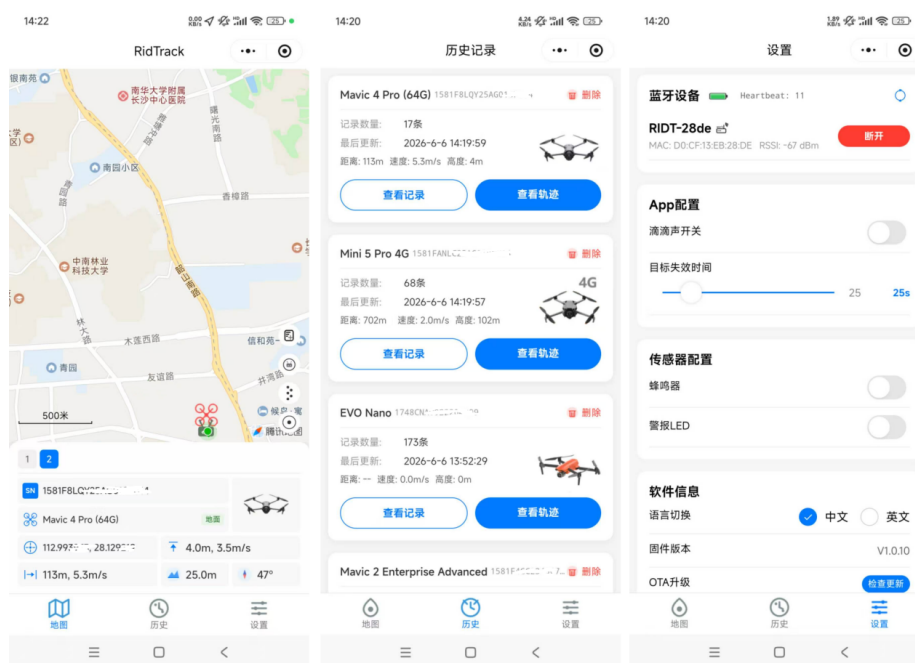


Figure 3: APP Interface

### 3 Technical Specifications

Parameter	Specification
Detection Method	Remote ID broadcast signal detection
Detection Range	500 m ~ 1000 m (approx. 500 m in urban areas, subject to environment)
Supported Frequency Bands	WiFi 2.4G / 5.8G, Bluetooth BLE
Supported Protocol Standards	GB 46750-2025, GB 42590-2023, ASTM F3411
Battery Life	Approx. 6 hours
Battery Capacity	800 mAh
Charging Interface	Type-C
Dimensions	87 × 38 × 22 mm
Weight	Approx. 60 g
Operating Temperature	-20°C ~ +50°C
Companion App	WeChat Mini Program / Android APK

## 4 Application Scenarios

### 4.1 Routine Security Control

Security personnel can wear ridTrack01 to perform real-time low-altitude monitoring of responsible areas, promptly detecting and locating illegal drone flights.

### 4.2 Personal Privacy Protection

Used around residences, courtyards or private premises to quickly detect approaching drones and protect personal privacy.

### 4.3 Pilot Situational Awareness

Pilots can wear ridTrack01 before or during flight to obtain information about other drones in nearby airspace and improve flight safety.

### 4.4 Outdoor Patrol and Inspection

The lightweight and portable design is suitable for mobile scenarios such as outdoor patrols, agricultural plant protection, and wilderness search and rescue, keeping users informed of nearby drone activity at all times.



**Figure 4:** Scenario Collection

## 5 Contact Us

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