Link do produktu: https://www.nobshop.pl/newbeedrone-beeid-v11-m10q-gps-module-with-remoteid-drone-tracker-z-kompasem-p-4847.html



NewBeeDrone BeeID v1.1 M10Q GPS Module with RemoteID & Drone Tracker z kompasem

Cena brutto	299,99 zł
Cena netto	243,89 zł
Dostępność	Dostępny
Czas wysyłki	1 - 3 dni
Producent	NewBeeDrone

Opis produktu

NewBeeDrone BeelD v1.1 M10Q GPS Module with RemoteID & Drone Tracker z kompasem

Remote ID. GPS Accuracy. Drone Recovery. All-in-One.

△ IMPORTANT for iNAV Users

Please disable the **AUTO-CONFIG** setting in iNAV to ensure proper functionality of the BeelD module.

???? Built-In Drone Tracker for Easier Drone Recovery

The **NewBeeDrone BeelD v1.1 M10Q GPS Module with RemoteID & Drone Tracker** goes beyond compliance. Its integrated **Drone Tracker** helps you **locate and recover** your downed drone using apps like Drone Scanner — no extra hardware needed.

- Built-in Drone Tracker using BLE signal
- Supports smartphone-based search apps
- Designed for long-range and freestyle recovery situations
- · Improves your chances of successful drone recovery

???? High-Performance GPS You Can Rely On

With the advanced **u-blox M10Q** chipset and a high-gain ceramic antenna, the BeelD module locks satellites fast and delivers stable, accurate positioning — perfect for GPS Rescue and autonomous navigation.

- Supports GPS / GLONASS / GALILEO
- 72-channel parallel tracking
- · Fast lock times and accurate coordinates
- Works with Betaflight, iNAV, Ardupilot, PX4.

???? Remote ID Built In — When You Need It

Flying drones over 250g in FAA-regulated airspace? The BeelD v1.1 M10Q includes fully compliant **Remote ID broadcast functionality**. It activates when required and stays in the background when not.

Remote ID is included for compliance, without interfering with GPS or Drone Tracker functions.

☐ Key Features

- High-precision u-blox M10Q GPS
- Built-in Drone Tracker for signal-based drone recovery
- Remote ID compliant for FAA requirements
- Lightweight and compact (approx. 5.2g)
- Ceramic GPS antenna for strong reception
- WiFi setup via phone or PC
- Standard UART interface
- Built-in barometer for Remote ID altitude broadcasting

Specifications:

- Dimensions: 22mm x 15.6mm x 8mm
- GPS Module: M10Q GPS for fast and precise location tracking
- Protocol:GPS L1. GLONASS L1. GALILEO E1.
- Weight:5.2g
- Antenna: Ceramic GPS Antenna
- Receiving Ch: 72chBitrate: 115200bps
- Speed Accuracy: 0.05m/s
- Dynamic Characteristics: 50,000 meters
 Operating Tempereture: -40°C +85°C
- RemoteID Compliance: Meets FAA requirements for drones over 250g; registration instructions available here
- FAA UAS Declaration of Compliance here
- Connectivity: WiFi for configuration; BLE for RemoteID broadcasting
- Power: 5V input and ground connection
- Compatibility: Standard GPS UART output; works with Betaflight, iNAV, Ardupilot, and PX4
- **Built-in Barometer**: Provides altitude data for regions with altitude reporting requirements The barometer does not participate in the flight, it is used solely for broadcast reports only.
- Firmware Please don't update the firmware if you get the V1.1 version.
- BeelD 3D File

???? Why Choose BeelD v1.1 M10Q?

Because modern flying demands more than just compliance — it demands reliability. With **fast GPS lock**, a built-in **Drone Tracker**, and fully integrated **Remote ID**, the BeelD v1.1 M10Q helps you navigate confidently and recover faster when things go wrong.

Whether you're flying freestyle, long-range, or commercial missions — this module has your back.

???? Frequently Asked Questions

Q: Is this module just for Remote ID?

A: No. It's a full-featured GPS with a built-in **Drone Tracker**, ideal for both navigation and recovery.

Q: What does the Drone Tracker do?

A: It emits a BLE signal that can be detected by your phone using apps like Drone Scanner — enabling real-time **drone**

recovery if it goes down.

Q: Can I fly without Remote ID enabled?

A: Yes. The Remote ID function operates passively and only when needed. It won't affect GPS or tracking performance.

Q: Does this work with GPS Rescue in Betaflight?

A: Absolutely. It's fully compatible with Betaflight, iNAV, Ardupilot, PX4, and other major flight platforms.

???? How to use:

BeeID M10Q - GPS + Bluetooth Setup Instructions

Step 1: Verify Flight Controller Compatibility

Before installation, ensure that your flight controller (FC) and its firmware support the UBLOX GPS protocol.

- Some older versions of Betaflight firmware may not be compatible with UBLOX GPS.
- It is recommended to update your FC to the latest firmware to ensure proper functionality.

Step 2: Wiring the BeelD M10Q GPS Module

Proper wiring is essential for accurate data transmission between the BeelD module and your flight controller. Follow these steps:

- Connect the BeelD TX (Transmit) pin to the FC RX (Receive) pin on the same UART port.
- Connect the BeelD RX (Receive) pin to the FC TX (Transmit) pin on the same UART port.
- Ensure **5V power** and **ground** are correctly connected to provide stable operation.

Step 3: Configuring the UART Port

After wiring, configure the corresponding UART port in your flight controller firmware:

- Set the baud rate to 115200bps to match the module's default speed.
- Enable GPS mode on the selected UART port.
- Save and reboot your flight controller to apply the changes.

Step 4: Confirm GPS Functionality

- Verify that the module successfully acquires GPS satellites.
- In Betaflight, iNAV, or Ardupilot, check the GPS status page for satellite lock and position updates.
- Ensure that RemoteID broadcasting is active and functional via BLE. You can use the **Drone Scanner** App to check the broadcasting information.

Wire Diagram: