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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 BeeID 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 BeeID module.

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

The **NewBeeDrone BeeID 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 BeeID 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 BeeID 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**: 72ch
- **Bitrate**: 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.
- BeeID 3D File

???? **Why Choose BeeID 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 BeeID 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 BeeID M10Q GPS Module

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

• **Connect the BeeID TX (Transmit) pin** to the **FC RX (Receive) pin** on the same UART port.

• **Connect the BeeID 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: