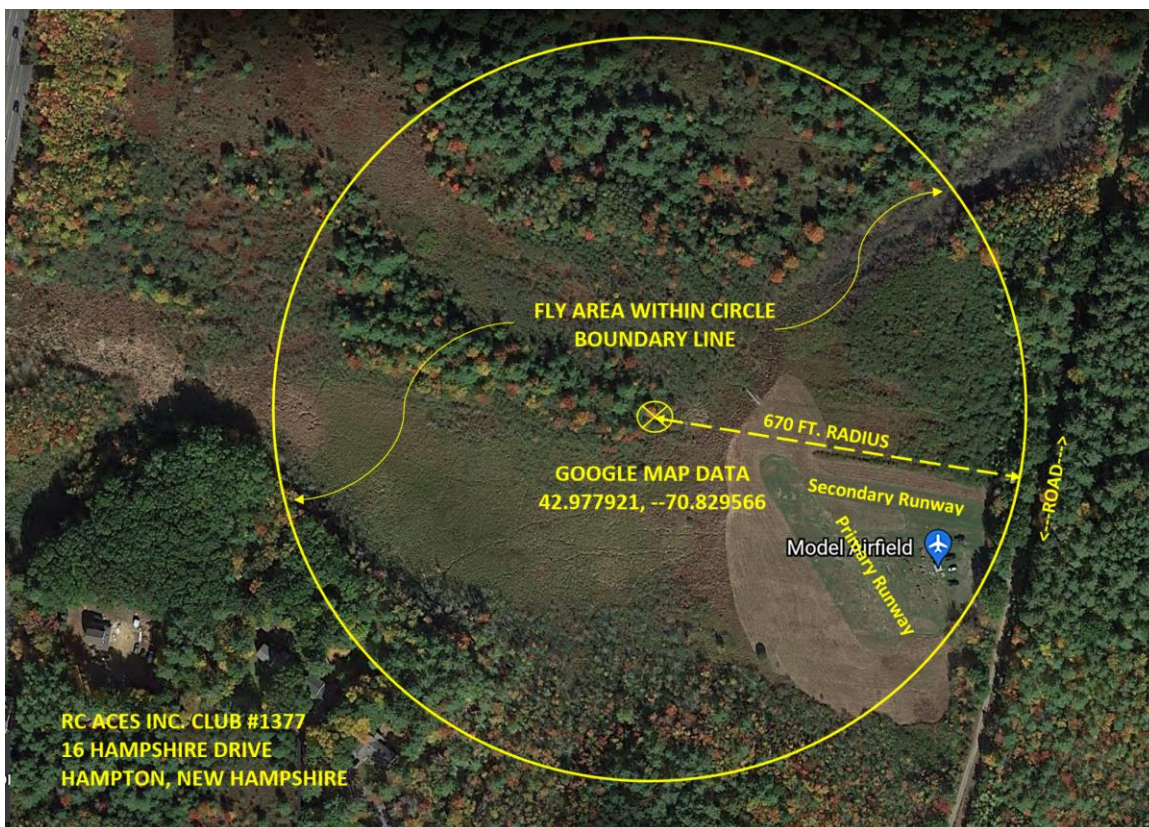
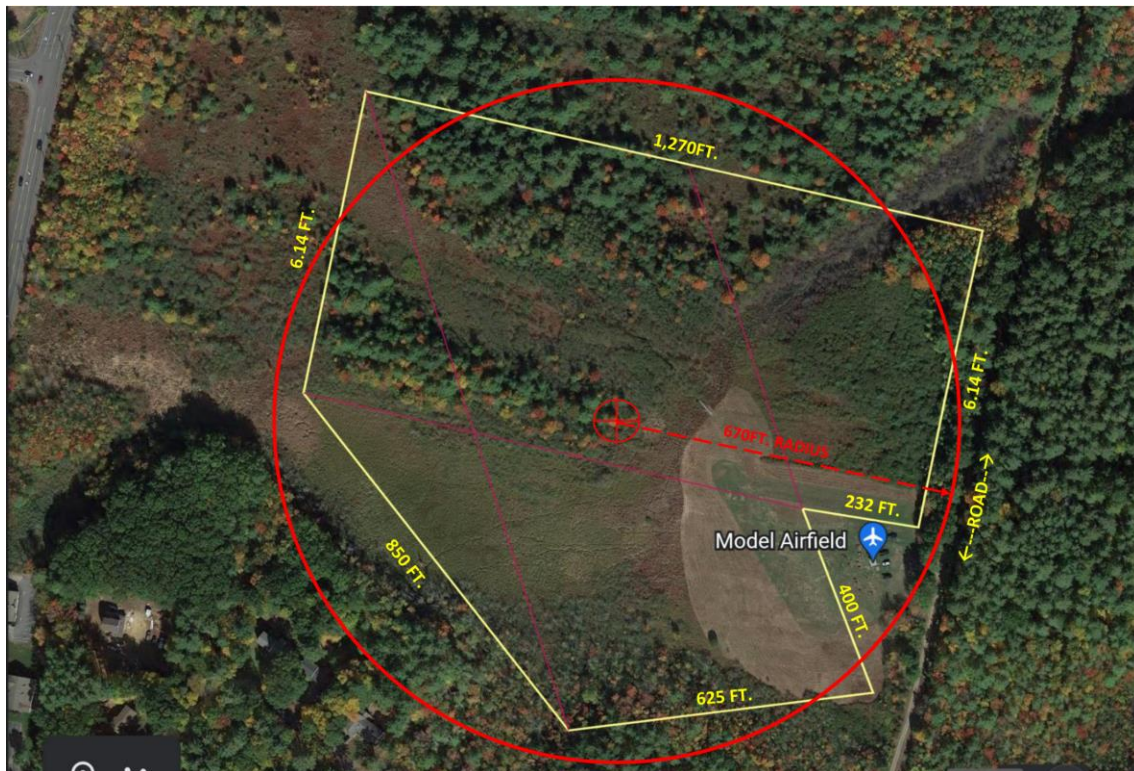
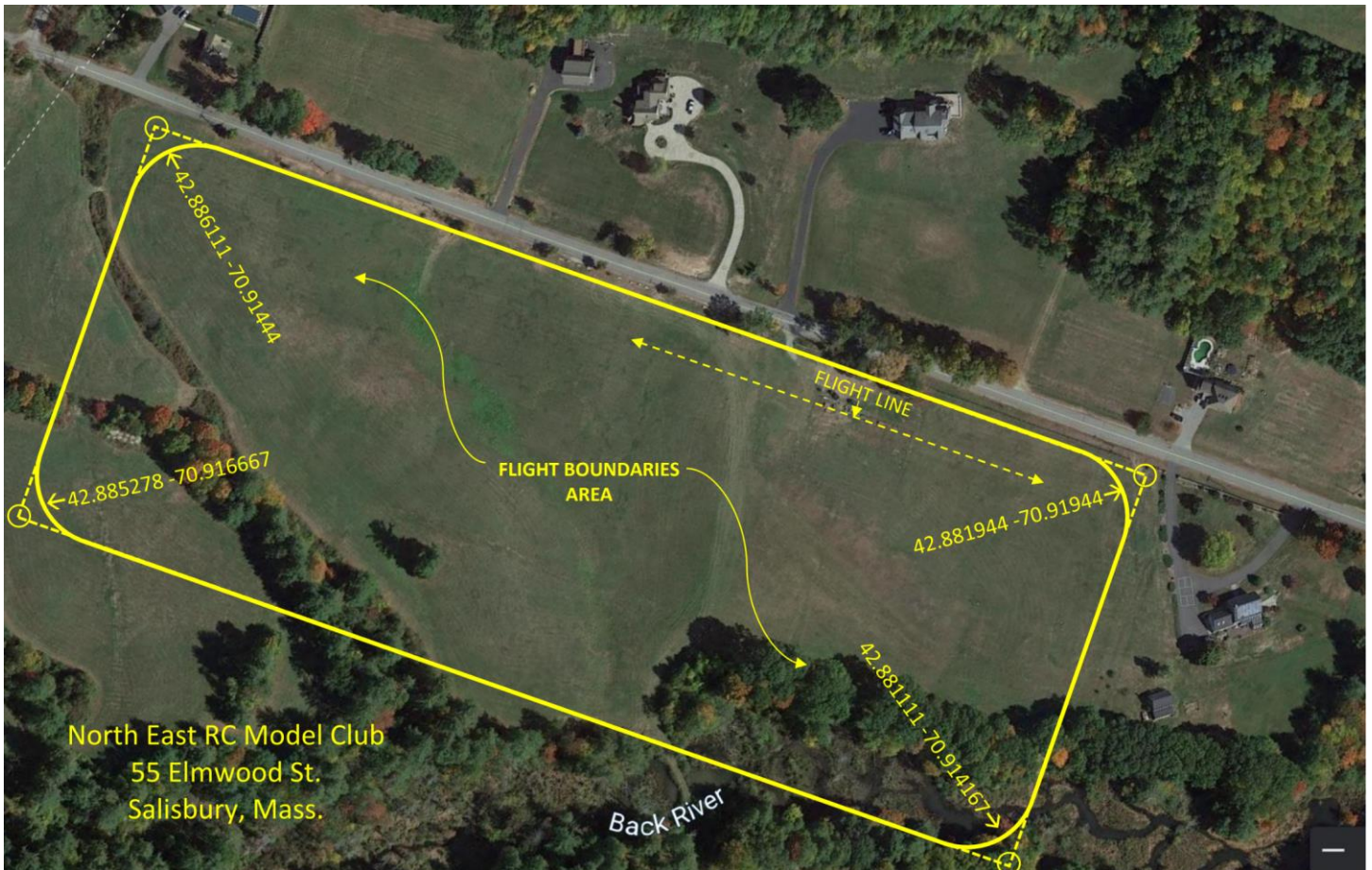


Creating a Club Flying Site Map and Inquiries about Remote-ID Modules

When using Google Maps to create a club site map try a circle with a radius that depicts the flying area the club utilizes. If the circle can't be made large enough to stay within the permitted boundaries, then try a simple polygon. It doesn't need as many sides as the example shown because the pit area and parking may be included but not any property or roads the club hasn't permission to be flying over or on.



This is an example where a simple rectangle defined by 4 boundary markers and their locations provides more length than a circle would. If a circle was used it would be over the houses on the right and its diameter would shorten the length of the field.



REMOTE ID INQUIRIES

From: Kenneth Ball <b314mech@yahoo.com>

I read your column in this month's AMA mag and have a question for you. Here is a quote from that "Members not flying at a FRIA can still use their existing equipment and comply with Remote ID by adding a small module transmitting the Remote ID information." Who is making these small modules and where can I buy one?

Ken Ball

To: K Ball from Andrew Argenio brandshobby@gmail.com Jan 24, 2023, 9:25 PM (19 hours ago)

Hello Kenneth,

Unfortunately to date, the modules being offered are overpriced at \$200 - \$300. We are anticipating larger companies to introduce modules with a \$75 - \$99 price range similar to the idME Pro for \$99 being sold in Poland. They haven't applied for FAA compliance yet. Check out the idME Plug & Play modules but do not buy one of their modules at the following link <https://www.aerobits.pl/product/idme-pro/> DO NOT BUY any until we tell you they are FAA compliant.

The FAA Remote-ID requirement for operating at non-FRIA sites will not require recreational RC flyers compliance until sometime around September or later. NO RUSH TO BUY!

Andy Argenio

Remote-ID Broadcast Modules

What we need Low Cost \$50 to \$75, Not for BVLOS, Plug & Play light weight less than 28 grams 1 oz. Range limited not maximized (FAA minimum for compliance if you can see it must be able to ID it 1 kilometer = 3,280 ft. no more than 2 km = 6,560 ft., While popular under 2 lbs. foam only need 1000 ft. range



Based in Poland their idME Plug & Play Remote Broadcast Modules now all \$99

General information IdMe is an add-on device. This means that it does not need any additional components to work, it is equipped with a high-quality multi-GNSS receiver and a barometric altitude sensor. Using BLE and WiFi transmission technology, the device provides surveillance and the ability to identify the drone operator based on any modern mobile device such as a smartphone or tablet. The device automatically detects the drone's start and immediately starts transmitting a broadcast until the drone is turned off. Its small size and low power consumption allow it to be used in ultralight drones. AT commands provide the ability to configure the messages to be transmitted, such as the drone's identification number, aircraft type, etc. Additional authentication mechanisms are also available.

idME (remotelD)

E-identification for UAS

- Designed to meet requirements of remote drone identification and localization in ASTM/ASD-STAN standard.
- Using the BLE broadcast technology the device provides surveillance and drone operator identification capability based on any modern mobile devices such as smartphone or tablet.
- idME can be easily connected to Pixhawk controller via JST connector. For full operation, a position source (along with other parameters) is required, which is obtained directly from the MAVLink protocol.
- Small outline and low power consumption allow it to be used in ultralightweight drones. AT commands provide feasibility to configure broadcast messages, such as drone identification number, type of aircraft, etc. Additional authentication mechanisms are also available.
- **NOTICE:**
 - FCC/CE certification pending
 - in accordance with F3211-19, published in February 2020.



\$99

Features:

- Capability to work with MAVLINK devices
- BLE broadcast technology compliant with ASTM and ASD-STAN
- Interfaces: UART, USB
- Supports Bluetooth 4.0 and 5.2
- Free Android application available

Application:

- UAS >250g/open & special category
- U-Space/UTM
- Police/Special forces
- E-identification

idME+ (remoteID)



With GNSS and pressure sensor

- It is equipped with a **high-quality multi-GNSS receiver** and a **barometric altitude sensor**
- After equipping with GNSS, it becomes to **independent device from the autopilot** – it only requires a power connection to function
- Designed to meet requirements of remote drone identification and localization in **ASTM/ASD-STAN** standard.
- Using the **BLE broadcast** technology the device provides surveillance and drone operator identification capability based on any modern mobile devices such as smartphone or tablet.
- idME can be easily connected to **Pixhawk** controller via **JST connector**. For full operation, a position source (along with other parameters) is required, which is obtained directly from the **MAVLink protocol**.
- Small outline and low power consumption allow it to be used in ultra-lightweight drones. AT commands provide feasibility to configure broadcast messages, such as drone identification number, type of aircraft, etc. Additional authentication mechanisms are also available.
- **NOTICE:**
 - FCC/CE certification pending
 - in accordance with F3211-19, published in February 2020.

\$99

SAME FEATURES AS ABOVE

idME PRO



The most advanced Remote ID with WI-FI and BLE technology

- Broadcast in dual technologies: **Wi-Fi (NAN and Beacon frames) BT(BLE, and legacy frames)**
- Equipped with **Wi-Fi / BLE antenna + GNSS antenna**
- Using the **BLE and WI-FI broadcast** technology, the device provides surveillance and drone operator identification capability based on any modern mobile device such as a smartphone or tablet.
- idME PRO can be easily connected to **Pixhawk** controller via **JST connector**. For full operation, a position source (along with other parameters) is required, which is obtained directly from the **MAVLink protocol**.
- **Increase of broadcast power** to +20dBm Wi-Fi and +18dBm BLE
- **Automatic power adjustment** according to the country of use
- Supports the newest MAVLink protocol, with Open Drone Id Messages
- **Extended configuration options** allow you to choose a transmission technology
- **Small outline and low power consumption** allow it to be used in ultra-lightweight drones. AT commands provide feasibility to configure broadcast messages, such as drone identification number, type of aircraft, etc. Additional authentication mechanisms are also available

\$99

7 Grams is .25 ounces is ¼ of an ounce weight of idME line

https://aerobits.pl/wp-content/uploads/ci_uploads/PP_idME_PRO_Datasheet.pdf

Basic Electrical specification:

Parameter	Description	Value	Unit
TX Bluetooth	Bluetooth	+18	dBm
TX Wi-Fi		+20	dBm
Power supply		5	V
Current consumption	average	20	mA
Dimensions	main outline	31.5 x 15.5 x 7.3	mm
Weight	with antenna	4	g

