HERON

BRID Module

Functional Check & Installation Guide

Version 1.2 -Jul 2025

#1a Checking Exterior's Condition

Exterior's Condition Checklist

1. Inspect the casing or protective cover for any visible cracks or damage.
2. Ensure the serial number, QR code, and anti-tamper seal are intact and undamaged
3. Ensure the on/off switch operates smoothly and can be turned off without resistance.
4. Confirm the USB port is functioning properly and able to power the module.

#1b Checking LED Indicators

Ensure the LED indicators are flashing in tandem, indicating that the device is functioning correctly. Below is a breakdown of each indicator and its meaning:

GNSS Indicator (G)

GNSS Indicator shows the status of the GNSS signal, which is responsible for determining the Module's precise position. Here are the possible LED states:

The LED is Steady GREEN

Indicates GNSS is functioning and transmitting position data.

The LED is Flashing GREEN

Indicates the Module is acquiring GNSS signal after the module is turned on.

The LED is off

Indicates the Module is either turned off or has malfunctioned.

RID Indicator (R)

RID Indicator shows the status of the Remote Identification (RID) transmission, indicating whether the Module is broadcasting position and identification data. Here are the possible LED states:

The LED is Steady GREEN

Indicates the Module is actively transmitting position and identification data.

The LED is off

Indicates the Module is not transmitting because it is either turned off or not working properly.

Status Indicator (S)

RID Indicator shows the status of the Remote Identification (RID) transmission, indicating whether the Module is broadcasting position and identification data as well as the battery status. Here are the possible LED states:

The LED is Steady GREEN

Indicates the Module is powered on and functioning properly.

The LED is Steady RED

Indicates the Module is turned off and plugged into a power source.

The LED is Steady YELLOW

Indicates the Module is simultaneously turned on and plugged into a power source.

The LED is Flashing GREEN

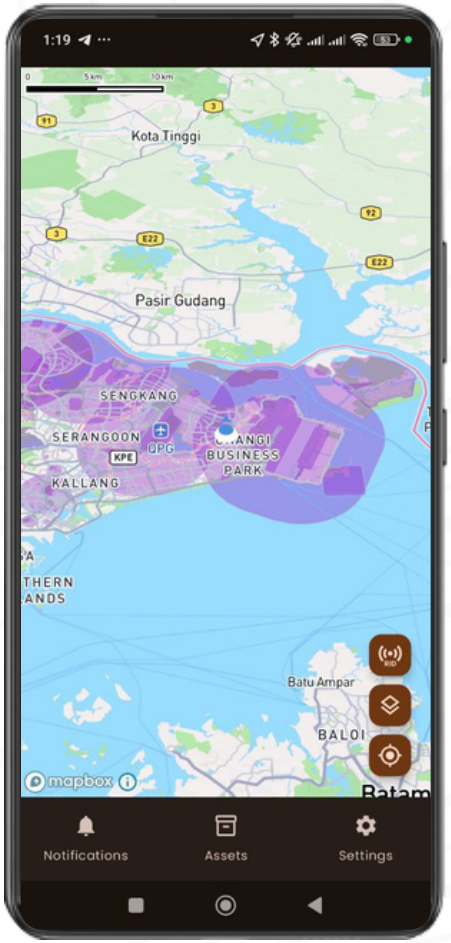
When the Module displays repeated 3 short Green flashes and fades for 1 second, it indicates that the module's battery is running low.

The LED is off

Indicates the Module is either turned off, is not working properly or has no battery.

AirBridge Mobile

Manage RID Module and Track your Flight on-the-go!



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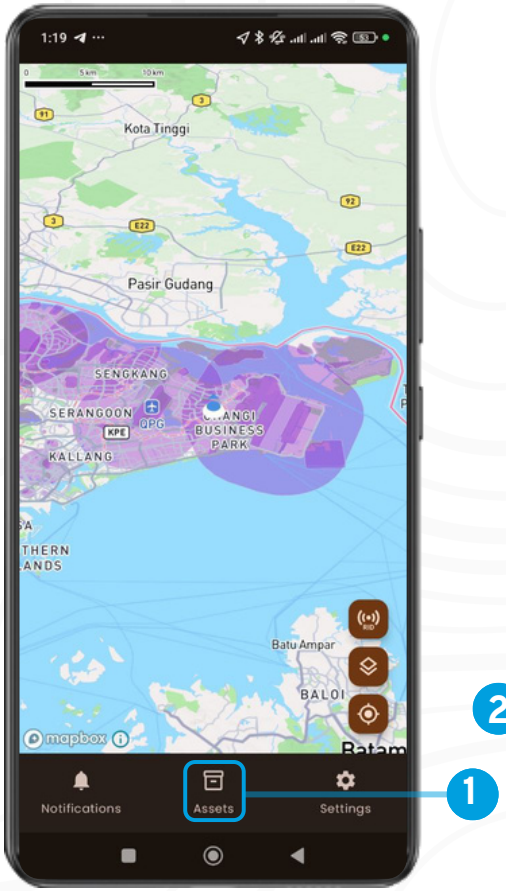
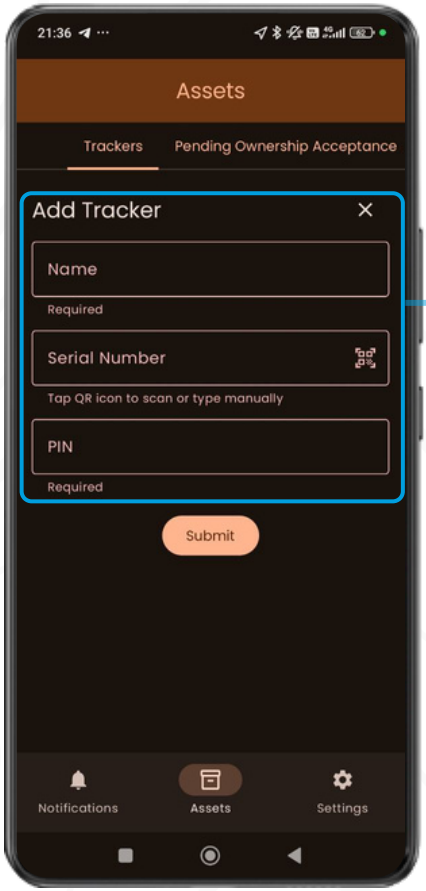
AirBridge Mobile here!

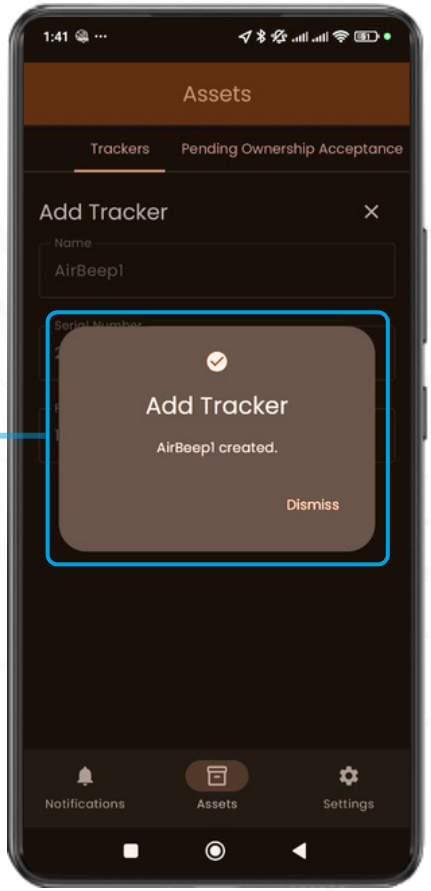
Download on the App Store

GET IT ON Google Play

#1c Registering you RID Module







1

Open **AirBridge Mobile App** and click on **"Assets"**

2

Select **"Tracker"** and tap **"Add New".**

3

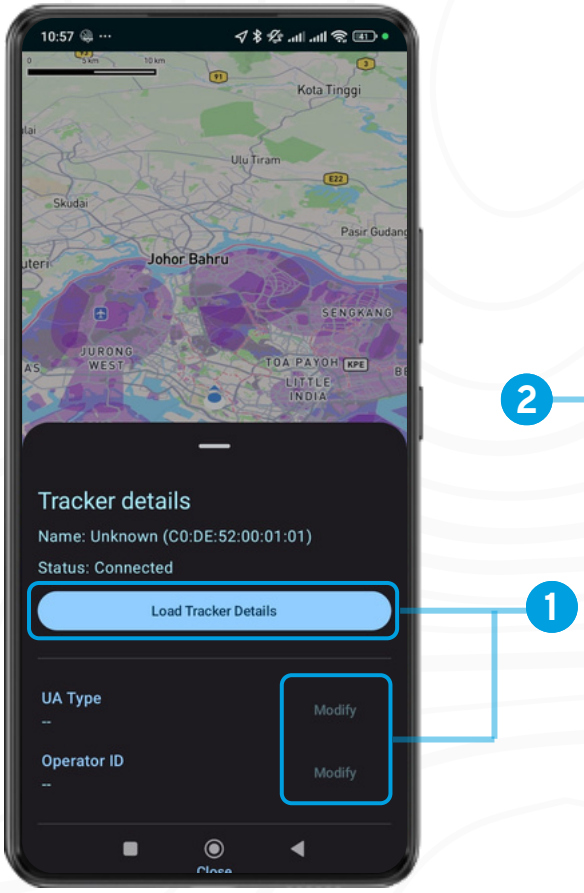
Choose a **name** for your RID. Scan the **QR code** on the module or **manually type** in the s/n and the 6-digit **PIN** provided.

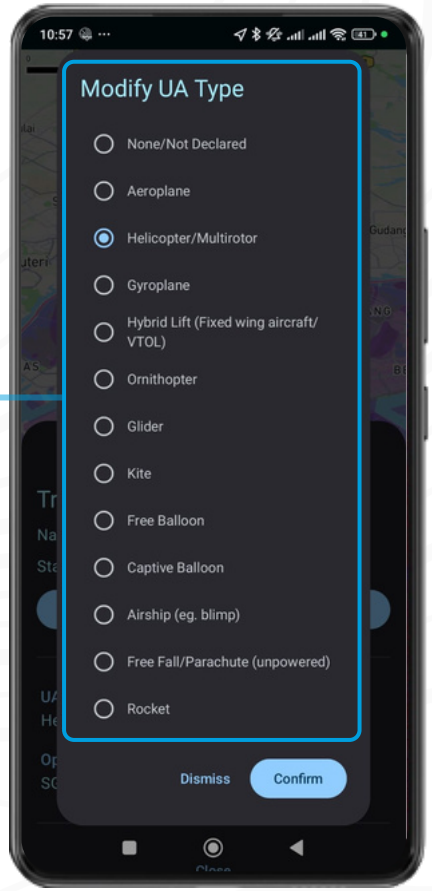
4

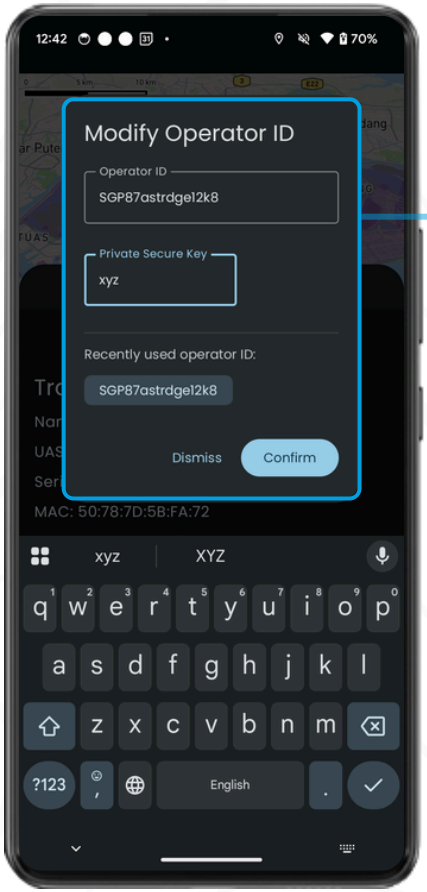
Your RID has been **registered**

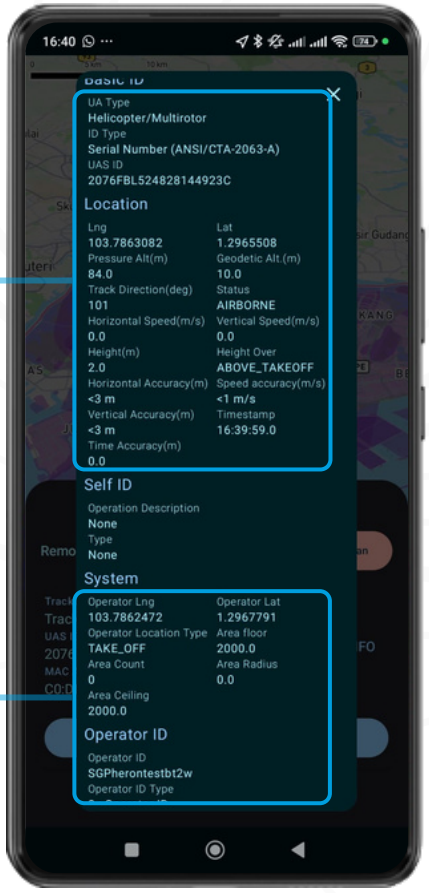
The layout between the Android application and IOS application might differ slightly

#1d Modifying Module Details and Verifying Telemetry Broadcast









1

Load Tracker Details in the app and click **“Modify”.**

2

Modify UA Type then click **“Confirm”**

3

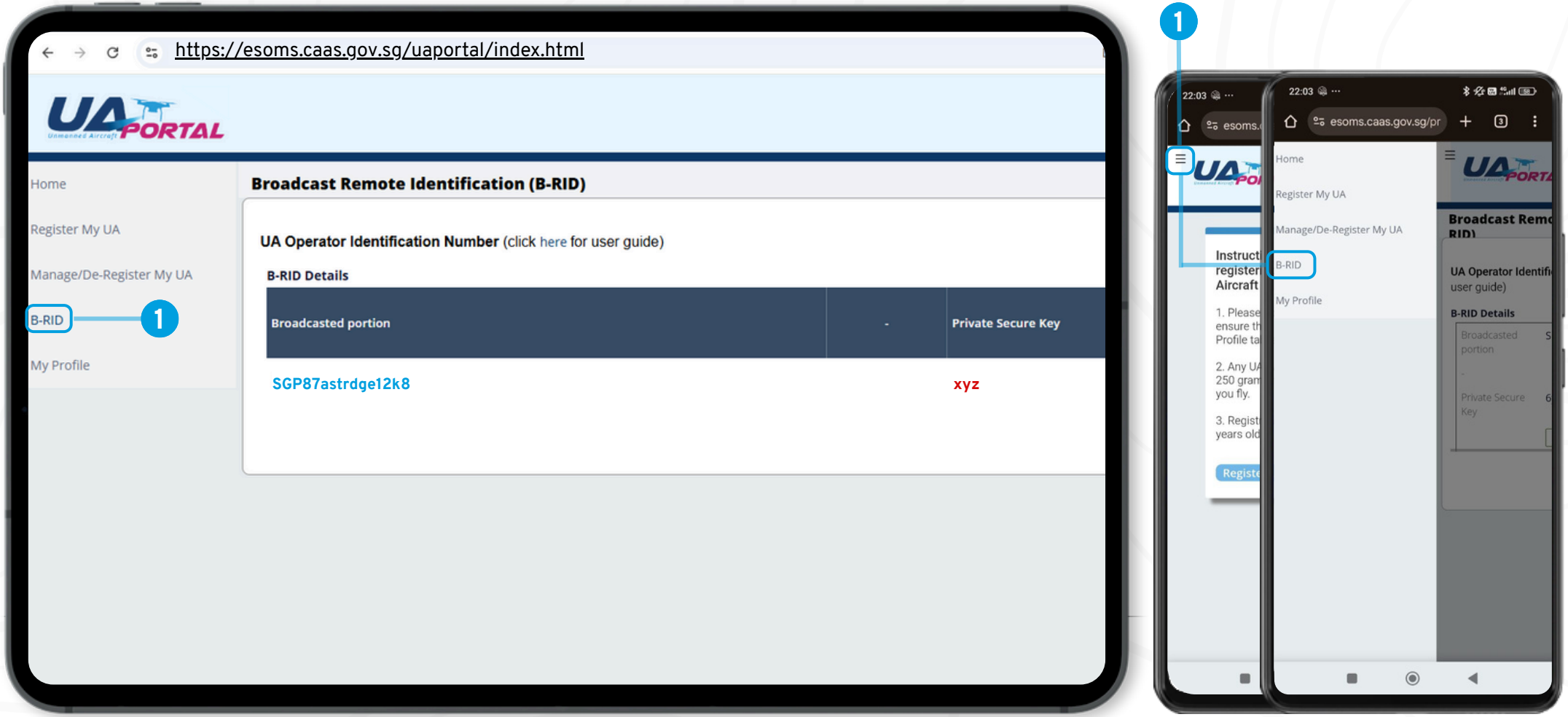
Type or copy the Operator ID from UA portal and enter your **Private key,** then click **“Confirm”**

4

Check the **telemetry** to make sure the Module is **broadcasting.**

Example of **Operator ID** & **Private Secure Key: SGP87astrdge12k8** I **xyz**

#1e Obtaining your Operator ID



1

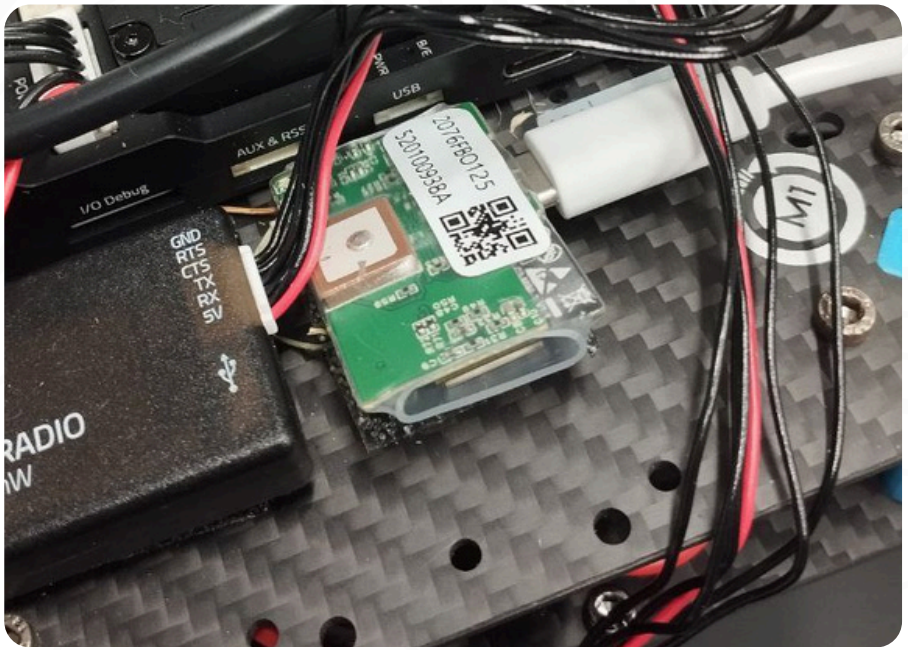
Log in to the online **UA Portal** with the same account you used to register your UA. Click on the "**B-RID**" tab to obtain your **UA Operator ID**

#2a Module Preparation

Proper Location to Attach the Module

When selecting a location to place the Module on your drone, please follow these guidelines for optimal performance:

- **Avoid Curved Surfaces or Soft Material** as it could compromise the Dual Lock fastener ability to remain attached to the Module.
- **Avoid Propellers** - make sure the module does not obstruct the free movement of the propellers and other mechanical parts
- **Avoid Other Electrical Components** as it might cause interference with the Module's GNSS signal or Bluetooth transmission.
- **Ensure Accessibility** and place your Module in easy to reach locations and able to access the button and LED indicators for easy monitoring and operation.



Mounting Recommendations for Optimal Signal!

Placing the Module on top of your drone ensures better GNSS signal reception, as it will have clearer visibility of the sky. Align the Module's nose (the side away from the on/off switch) with the front of the drone.

#2b UA Installation

How to Install the Module?

1. **Clean the Surface and Prepare the Adhesive part of the Dual Lock Type**
   Clean the surface of the drone and peel off the protective backing of the self-adhesive counterpart of the Dual Lock fastener.

2. **Attach the Module**
   Align the AirBeep-B Module with the selected location on your drone and press it firmly to engage the interlocking fastener pieces, ensuring a secure bond. Gently tug on the Module to verify that it is securely attached. If the Module feels loose, press it again to ensure proper adhesion.

3. **Proper Usage of Velcro stripes**
   Velcro stripes, once removed from it's mounted surface, should never be reused.