



Z-RID™ Lite Broadcast Module

EU and Singapore User Manual

1. OPRN Upload

All Remote ID modules in the EU and Singapore must have the UA user's OPRN (Operator ID) uploaded to them via a mobile app. Please download the "Zing Remote ID" app from The App Store or Google Play to upload the OPRN prior to flight. Instructions for OPRN upload are included in the mobile app. The OPRN is uploaded by pressing the reset button on the side of the module until the LED turns blue. If the OPRN uploads successfully, the LED will turn white. If it fails, the LED will turn red. After upload, look for the OPRN in an app like Drone Scanner.

2. Charging

Plug the included USB-C (or any USB-C cable) into any 5V power source (i.e. computer, power bank or charging adapter for a smartphone) and into the device.

3. Mounting

Choose a location with a flat, hard surface, away from other critical avionics electronics, where the status LEDs and button are accessible, and where the top of the device will face the sky. Secure the device using the 3M Dual Lock velcro there. The device can be repeatedly removed and reattached to the drone using this velcro. Limitations that may affect the module's performance include powering on the module indoors and locations with large structures that block the Bluetooth or GPS signal. It is recommended to take off in an area that maximizes the number of GPS satellites that can be connected to with no obstacles overhead.

4. Flight

Turn the device on by pushing the red switch inward (toward the middle of the device). When it turns yellow, it is connecting to satellites for a GPS fix. When it turns green, you are ready to fly! Do not take off until the Remote ID status indicator (left LED) turns green. Note that you may plug in a 5V source to the device's USB-C connector even while in use, if you would like to charge the device during flight.

5. Pre-Flight Safety Test (PFST) and Status Monitoring

If the LED turns red, the device has experienced an internal failure and must be restarted. If this happens repeatedly, please contact Zing at info@zingdrones.com.

During flight, the status can be monitored by using a Remote ID Scanner app such as Drone Scanner. These apps can be downloaded from the App Store. If the Emergency Status field changes to "Remote ID System Failure", you must land the drone and restart the module.

Compliance Information:
Make: Zing Drone Solutions
Model: Z-RID Lite Broadcast Module
ICAO Identifier Code: 1891

Complies with the EU and Singapore accepted means of compliance specifications when properly installed on equipment as described in this manual:

Specification	Title
ASD-STAN prEN 4709-002 P1 Corrigendum 1 (February 2023)	Unmanned Aircraft Systems Part 002: Direct Remote Identification

Contains CE IDs: 19LR205E328 (EN 300328), ISL-19LS040LV_BT840_LVD

Protocols: Bluetooth 4 Legacy, Bluetooth 5 Long Range

GNSS Specifications: 1575.42 MHz, 1 Hz update rate, 3m horizontal position accuracy, GPS + GLONASS + Galileo + BDS + QZSS constellations

Technical Information:

Maximum input voltage: 5V DC

Maximum Conducted Output Power: +8.49 dBm

Antenna Type: PCB Trace Antenna, Antenna Gain: +0.91 dBi, Maximum EIRP: +9.4 dBm

Maximum current consumption: 0.4 A

Operating Temperature: -5° C to +50° C

Weight: 35 Grams, Dimensions: 40mm x 40mm x 30mm

Important Safety Instructions:

Turn the device off by pushing the red switch outward when not in use. Do not expose device to water, high temperatures, or fire. Clean only using a dry cloth. Zing is not liable for damages arising from use or misuse of this product.

Contact Information:

info@zingdrones.com

Translation / Traducción / Tradução / Traduction / Übersetzung /
Traduzione / Traducción / Översättning / Oversættelse / Fordítás /
Překlad / Preklad / Перевод / Překlad / Μετάφραση / Çeviri /
Traducere / Tölge / Tulkinta / 翻译 ->

