



Z-RID™ Lite Broadcast Module

User Manual

1. FAA Registration

All Remote ID modules and drones in the US (including the Z-RID™) must be registered on the FAA's website. Visit the following link to register the module on the FAADroneZone web portal. You can find your module's Serial Number on the label on the side of the device.

<https://faadronezone-access.faa.gov/#/>

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. Wait for the battery status LED to turn green, signifying charging is complete.

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 FAA accepted means of compliance specifications when properly installed on equipment as described in this manual:

Specification	Title
ASTM F3586-22 with additions	Standard Practice for Remote ID Means of Compliance to Federal Aviation Administration regulation 14 CFR Part 89

Contains FCC IDs: X8WBT840F

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 current consumption: 0.4 A

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

Transmission Frequency: 698 – 798 MHz, 824 – 960MHz, 1710 – 2170 MHz, 2400 – 2500 MHz

Weight: 35 Grams

Dimensions: 43mm x 38mm x 18mm

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