

## USER MANUAL

FCC ID: 2AYFA-ATLASLX-C1

RF Specification Operating Frequency: 2402 MHz – 2480MHz

Type of Modulation: GFSK

Number of Channels: 40 Channels

Channel Separation: 2 MHz

Antenna Type: Integral

Antenna Gain: 0 dBi

Specialty: Bluetooth 5.1 with BLE (Bluetooth Low Energy)

Function: Bluetooth 5.1 with BLE (Bluetooth Low Energy)

Power Supply: DC 3.3V

Power cord: N/A

Installation: The device comes pre-assembled and actively working as a Bluetooth Beacon, the user will only need to attach the device to an intended vessel similar to the pictures below.



Example Installation of device on vessel.

Usage: The user will use their custom built software application to receive transmissions and send messages to and from this device, no physical action is necessary to make the product function normally. The device will be attached to various items and packages for the sake of tracking and inventory. Regular usage will not require physical human involvement.



An example of potential usage of the beacon. The beacon can be transmitted to and from using Bluetooth at distances far exceeding 20 centimeters.

1.1 List of applicable FCC rules: The module complies with FCC Part 15.247.

1.2 Summarize the specific operational use conditions: The module has been certified for Portable applications. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

1.3 Limited module procedures: Not applicable.

1.4 Trace antenna designs: Not applicable.

1.5 RF exposure considerations: This equipment complies with FCC's RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be collocated or operating in conjunction with any other antenna or transmitter.

1.6 Antennas:

Type: PCB type Antenna

Gain: 0 dBi

Impedance: 50Ω

Application: Fixed

1.7 Label and compliance information:

Per FCC 15.19(a)(3) and (a)(4)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Per FCC 15.21

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.