

## **nBlue™**

### **Model number: BR-LE4.0-S2A OEM User Manual**

The purpose of this manual is to explain the correct way to integrate module model number: BR-LE4.0-S2A to the end product. It includes procedures that shall assist you to avoid unforeseen problems.

This manual presents information that shows how module and OEM product, where module integrated, complies with regulations in certain regions. Any modifications, not expressly approved by the manufacturer could void the authority to operate in these regions.

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#### **1. General**

This Bluetooth® radio module has to be installed and used in accordance with the technical description/installation instructions provided by the manufacturer.

This radio module has been certified under FCC Part 15.247 for use in the United States and IC-RSS-GEN for use in Canada.

For detailed information concerning certification of this please contact the authorized local distributor or the manufacturer.

The system may only be implemented in the configuration that was certified. Note that any changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

The technical documentation is kept at the following address:

BlueRadios, Inc.  
7173 S. Havana Street, Suite 600  
Englewood, CO 80112  
USA

TEL: 303-957-1003  
FAX: 303-845-7134

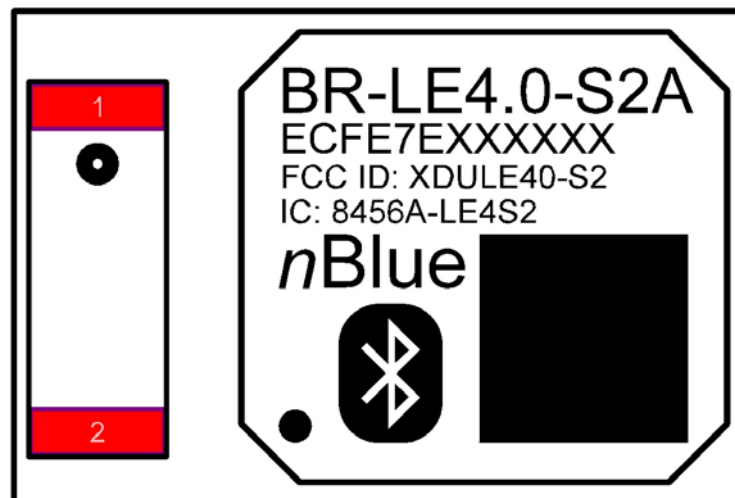
FCC RF Radiation Exposure Statement:

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transceiver must not be co-located or operating in conjunction with any other antenna, transmitter, or external amplifiers.

Unauthorized modification could void authority to use this equipment.

## 2. Labeling.

BlueRadios, Inc. module, model number: BR-LE4.0-S2A labeled as below.



FCC Regulatory Information. OEM device should contain labeling that:

Approved in accordance to FCC rules transmitter module marked by FCC ID: XDULE40-S2 label, manufactured by BlueRadios, Inc. to OEM product. When it's not possible, user manual should include such information.

For example:

***“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.” This device contains FCC ID: XDULE40-S2***

#### PROPOSED FCC ID LABEL FOR HOST DEVICE

**ABC, INC.**

**This device contains FCC ID: XDULE40-S2  
IC: 8456A-LE4S2**

Radio module, model number: BR-LE4.0-S2A can be incorporated into many different devices. The modules generally consist of a completely self-contained radiofrequency transceiver missing only a power source to make it functional. Once the modules are authorized by the Commission under our certification procedure, they may be incorporated into a number of mobile devices such as, watches, Key Fobs, Smart Phones, badges, Laptops, PDAs, and wearable sensors. The completed product generally is not subject to requirements for further certification by the FCC.

#### **4. Other regulatory notes for OEM.**

Modular transmitters save manufacturers the time and any related expenses that would be incurred if a new equipment authorization were needed for the same transmitter when it is installed in a new device. This means that it can be integrated into end products without further testing or approval listing. The manufacturer must state the BlueRadios, Inc. part number and product reference in his literature in order to meet the module requirements and regulatory. This should be clearly indicated in the OEM manuals.

The purchaser / integrator (developer) must satisfy all relevant FCC, SAR, EMC and Radio

regulations which apply to their finished product. We believe such parties have the technical competence to ensure that the systems they deploy continue to comply with all those rules.

It is illegal to use amplifiers or higher gain antennas with this module. Maximum supply voltage allowed is 3.6Vdc

### **5. Separate Approval.**

A separate approval of the device into which the module is incorporated is only required when it cannot be insured that the conditions on the module grant will be met. The purchaser must satisfy all relevant FCC, EMC and Radio regulations R&TTE directive which apply to their finished product.

### **6. FCC Regulatory Information.**

Adherence to the following is required:

IMPORTANT: The BlueBridge RF Modems have been certified by the FCC for use with other products without any further certification (as per FCC section 2.1091). Changes or modifications not expressly approved by BlueRadios, Inc. could void the user's authority to operate the equipment.

IMPORTANT: OEMs must test their final product to comply with unintentional radiators (FCC section 15.107 and 15.109) before declaring compliance of their final product to Part 15 of the FCC Rules.

#### **Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiving modem.
- Connect the equipment into an outlet on a circuit different from that to which the receiving modem is connected.
- Consult the Manufacturer or authorized dealer for help.

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.

### **Industry Canada (IC) Warning**

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The French equivalent is:

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.