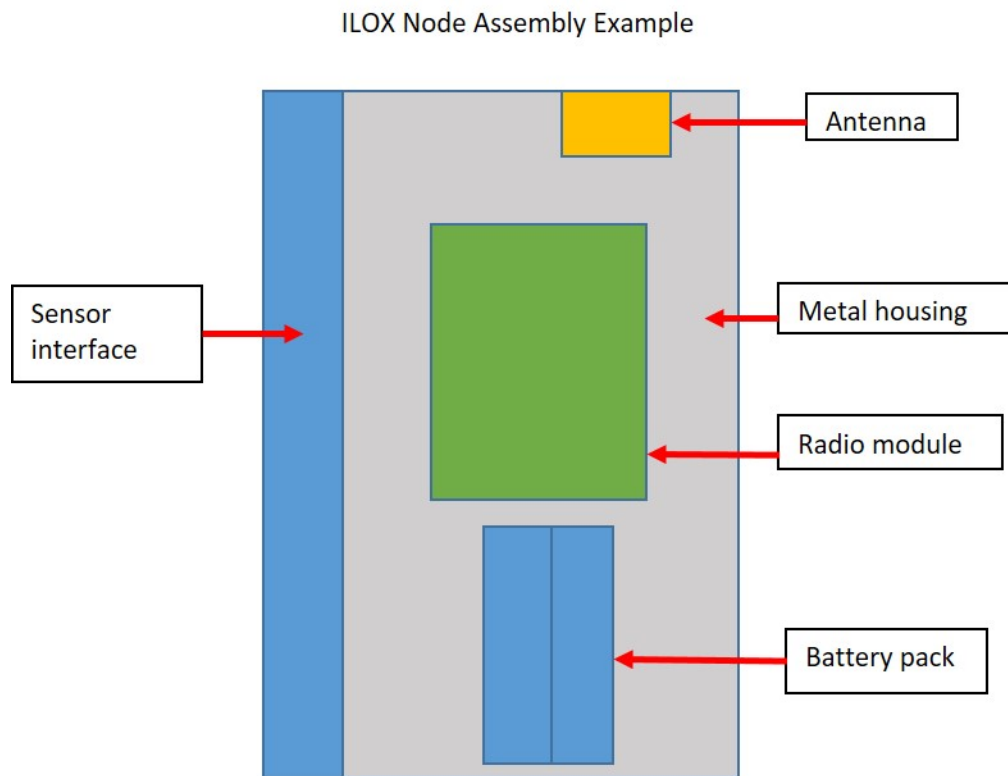


ILOX Radio Module Integration Guide

1. Overview

The ILOX Radio Module is a wireless sensor data acquisition system that includes a circuit board, antenna, and battery pack. It is used exclusively in the LORD Corporation custom-designed ILOX nodes. The radio module is installed in a variety of metal housings that mechanically integrate into the end-application sensor assembly. The metal housings are welded shut and intended for one time use until the batteries are depleted. No part of the internal assembly is accessible to the end user. The ILOX radio module is intended for use with LORD gateways and data acquisition software, or user software developed using the LORD MSCL code library. The module includes an integrated microcontroller and radio transceiver that communicates to LORD gateways in the 2.4 GHz band. Operating temperature range is -40 to +60 °C.



2. Operation

Because the node is designed for one time use, power conservation is very important. After the nodes are manufactured they are put in to a low power sleep mode. To start using them, use the SensorConnect software to execute the Set Nodes to Idle command. All other operation is as typical with any other node in SensorConnect. Refer to the SensorConnect User Manual.

3. Regulatory Marks and Guidelines

- a. Node assemblies are labeled with the following FCC/IC ID number.

Contains Transmitter Module
FCC ID: XJQMSLINK0009
IC ID: 8505A-MSLINK0009

- b. The following notice applies to the nodes. In addition, based on the antennas and power parameters specified for this device, it must be operated at least 1.36 cm from the operator to ensure RF levels do not exceed what is considered healthy for human exposure.

Contains Transmitter Module
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This device complies with Part 15 of the United States FCC Rules, and Industry Canada's license-exempt RSSs. 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. Changes or modifications, including antenna changes not expressly approved by LORD Corporation could void the user's authority to operate the equipment.

Cet appareil est conforme à la Partie 15 des Règles de la FCC des États-Unis et aux RSSS exempts de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes: 1) Cet appareil ne doit pas causer d'interférences et 2) Cet appareil doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil. Les changements ou modifications, y compris les changements d'antenne non expressément approuvés par LORD Corporation, pourraient annuler l'autorisation de l'utilisateur d'utiliser l'équipement.