

915 MHz FHSS RF Module – User Manual and Installation
Model Number 16363 – FCC ID QQN16363

This product is a frequency hopping RF transceiver module for the 900MHZ ISM band, designed to meet FCC 15.247, and is used in industrial control and monitoring applications.

Installation Instructions

Note: This module is only designed to be factory installed by Adaptive Instruments into their line of wireless sensor systems and so there are no installation instructions. The module will not be sold or shipped on its own.

User Manual

Note: This module will only be integrated into other equipment provided by Adaptive Instruments. As such there is no user manual specific to this module. The module has no user settable options related to the wireless operation of the unit.

The module can be powered from an on-board 3.6V C-cell battery or from a DC regulated supply (3.3 to 5V). This configuration is also determined by Adaptive Instruments.

The module has a number of connectors. Most of these are used for internal testing and integration of the module with other boards.

The connections are:

J1	3-pin connection for membrane switch
J2	Antenna connection
J3	Digital connection to optional sensor or RS485 communication board
J4	External power supply connection (if battery not used)
J5	Battery connection (if external power supply not used)
J6	Disable Watchdog
J7	3-pin serial connection for PC (for factory configuration and testing)
J8	Digital connection to optional sensor or RS485 communication board
J9	JTAG connection (for factory programming)
J10	Ground TP

Antenna

This module is to be used with either of the following 2 antennas only:

- Linx Technologies ANT-916-CW-QW 1/4-wave Reverse SMA polarity antenna
- Linx Technologies ANT-916-PW-PML 1/2-wave Reverse SMA polarity coaxial dipole antenna

The antenna is factory installed by Adaptive Instruments and will not be removed or modified by the user.

Important Information to User

1. Changes or modifications not expressly approved by Adaptive Instruments could void the user's authority to operate the equipment.
2. 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.
3. This device is for mobile and fixed use only (not portable or bodyworn). A separation distance of 20cm must be maintained at all times between the antenna and the body of the user and bodies of nearby persons.

FCC ID Label

A label displaying the FCC ID placed on the top of the RF shield. This label also contains the module part number, serial number and the date code.



The enclosure of the product that uses this module also must have a label referring to the enclosed module as well as the exact paragraph shown below. An example is shown in the following pictures.

