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User Manual

RFUGS Setup and Configuration

Asymmetric Technologies

User Manual

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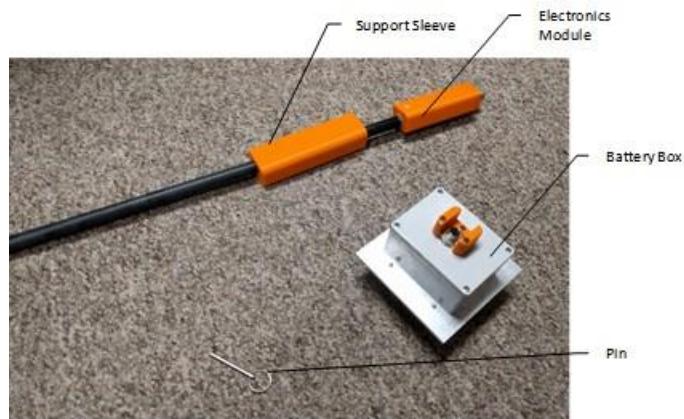
RFUGS System Setup

An RFUGS system comes in four parts:

- Electronics module with antenna
- Battery box
- Support sleeve
- Pin

The RFUGs system can be assembled and activated with the following steps

1. Mate the electronics module and battery box together with the circular connector. Press the connector ends together until they lock into place. The electrical connection will activate the system. The user should hear a chirp from the electronics module
2. Pull the support sleeve over the electronics module and battery box connection
3. Insert the pin into hole to lock the support sleeve in place
4. Stand the system up vertically and push the bottom stakes into the ground for support

RFUGS System Configuration

The RFUGS system by default has a preset ID and is also set with a default Gateway ID to transmit data toward.

These settings can be altered using the rfugs_settings command line program. For instructions on operating rfugs_settings, enter "rfugs_settings -h" at the command prompt

```
PS C:\> rfugs_settings -h
```

FCC Compliance Statement

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 UNDESIRABLE OPERATION.

THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USERS AUTHORITY TO OPERATE THE EQUIPMENT.

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 more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/RFUGS technician for help.

This equipment may not be disassembled and used with any other antennas. The antennas used with this product are:
2-strip transmission line with +7.44 dBi Gain (2.4 GHz band)
Dipole with 1.2 dBi Gain (900 MHz band)

FCC Maximum Public Exposure compliance:
To comply with FCC/IC RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed on non-permanent objects and structures to provide a separation distance of at least 20 cm from all persons (US 47 CFR §2.1091), and must not be co-located or operating in conjunction with any other antenna or transmitter.