Sonnet introduction and data sheet

INTRODUCTION

Sonnet is a mesh networking digital radio device that pairs with your phone over Wi-Fi. The long-range radios inside communicate with each other directly and send short text messages and locations via the Sonnet app for iOS or Android without any central infrastructure over several miles across various terrains.

OTHER FEATURES

- IP network "relay-in" capabilities.
- Native ability to import external data sources.
- Enterprise frequency management platform DIMENSIONS Size: 5.3 in. × 1 in. × 0.7 in.
- Weight: 2.75 ounces SIMPLE AND EASY TO USE.
- Fully compatible and interoperable with iOS, Android, Mac, and PC.
- Open SDK/API for integration into other applications SECURED SITUATIONAL. AWARENESS.
- Send & receive text messages and GPS coordinates.
- Private encrypted 1-to-1 messaging.
- Private encrypted group messaging.
- Public broadcasts & emergency channel.
- Confirmation of message delivery.
- Create and share pins for important locations.
- Automated sensor-based emergency beaconing.
- End-to-end PKI encryption (384-bit elliptic curve - TS level).
- Full mesh networking protocol.
- 2-watt variable output power (500mW, 1W, 2W).
- Receive sensitivity: -124dB.
- SMA antenna connector.
- Rechargeable battery (24hours). Battery capacity 4200mAh.
- Micro-USB charging / data port & Wi-Fi.

Manual

1. Charge Sonnet fully before initial operation via the micro-USB port found on the side of enclosure.
2. Install the Sonnet from the App store or the Play store onto your respective iOS or Android device.
3. Turn ON Sonnet by pressing and holding the power button for 4 seconds. Release the button and watch for the green indicator light to turn on. Sonnet is now ready to pair.
4. Wait for the Sonnet's Wi-Fi hotspots, connect your phone to the Wi-Fi.
5. By using the web app, simply enter the Sonnet IP address and you will be able to see the operating system interface.

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.