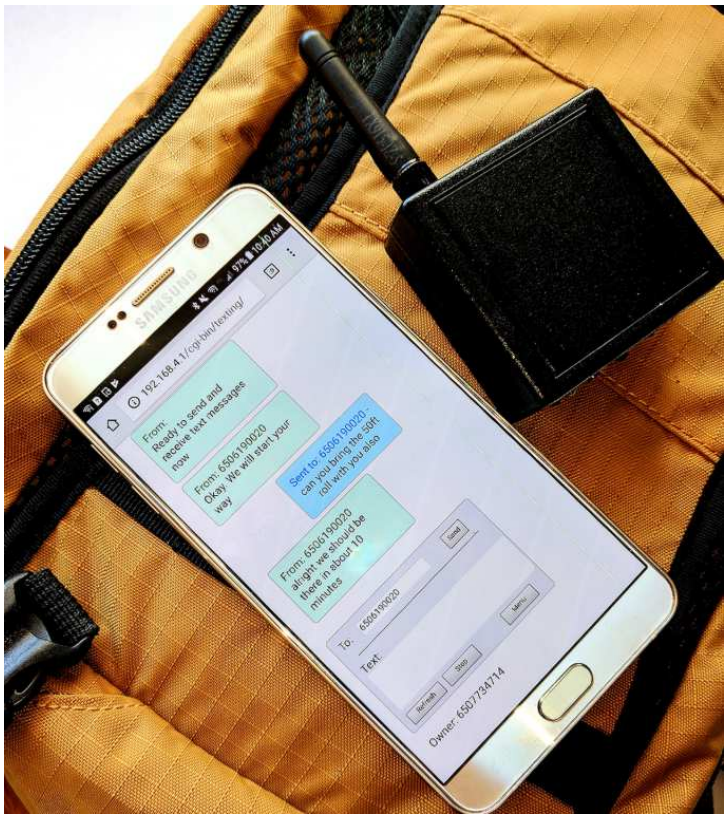
Product Features and Specifications

- Message received confirmation with automatic retry until message is received or cancelled
- User selectable ISM915 band frequency (902-928 MHz).
- User can select a custom encryption key
- Front panel indicates when message has been received so the phone does not need to remain paired with the PTT
- User can assign any unique telephone number to each unit
- On screen RSSI shows received signal strength after each text
- ESP8266 32-bit Wi-Fi microcontroller
- Rechargeable 3.7 volt LiPo battery rated at 1200mAh
- 915MHz high gain 2.0dBi omnidirectional antenna
- Attractive black case L 2.3 in W 2.0 H 1.8 in



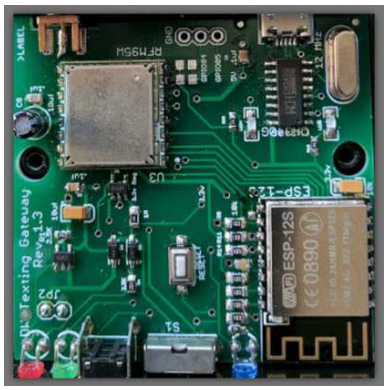
Great for outdoor activities when there is no cellular service, like camping in remote areas or hiking, or when the networks are too congested. They even work onboard a large passenger ship with family members and friends.

This is an open-source ESP8266 application developed using the Arduino tool chain that also utilizes the RFM95 LoRa radio. Owners are free to modify and enhance the ESP8266 application code through the easy to use USB micro connector.

The device functions as an Access Point. You will use your phone's Wi-Fi capability to connect to the radio (using a customizable password) and then just enter "http://192.168.4.1" into the browser. No need to download a special Bluetooth application.

Specifications

- Compatible with any device with Wi-Fi and browser capability
- LOS (Line of Sight) Range: 2 Miles for Text
- 900 MHz Digital Transceiver (US Spec: 902MHz - 928MHz)
- LoRa RFM95 Radios
- 2 Day Battery Life
- USB Micro Port With Fast Bi-Directional Charging (2.1A)
- User panel two programmable LEDs, reset button and ON/OFF



Background

This project was a collaborative effort between David Whitney and Michael Phillips (Tindie Sensible Living). Michael was Silicon Valley design engineer who is now retired and living in Branson Missouri. David Whitney lives and works in San Francisco.