



North Shore Radio Club Virtual Meeting

May 12, 2020

A decorative graphic on the left side of the slide, consisting of a vertical column of white lines that branch out into a complex circuit-like pattern of horizontal and diagonal lines, ending in small white circles. The background is a gradient of blue, darker at the bottom and lighter at the top.

OPENING REMARKS

BURT, KR9T

PROGRAMS – DAVE WW9S

Book Presentation – collect names

Meeting Schedule and Build Club

VEC Update Rich K9RD

MEETING SCHEDULE – WW9S

May – Remote Operations – Remote Power and Antenna Switch
Marty WD9GYM

June – Basic Antennas – DXEngineering via Skype
Cory Gibson W3CDG

July – Fox Hunt in Glenview ?????

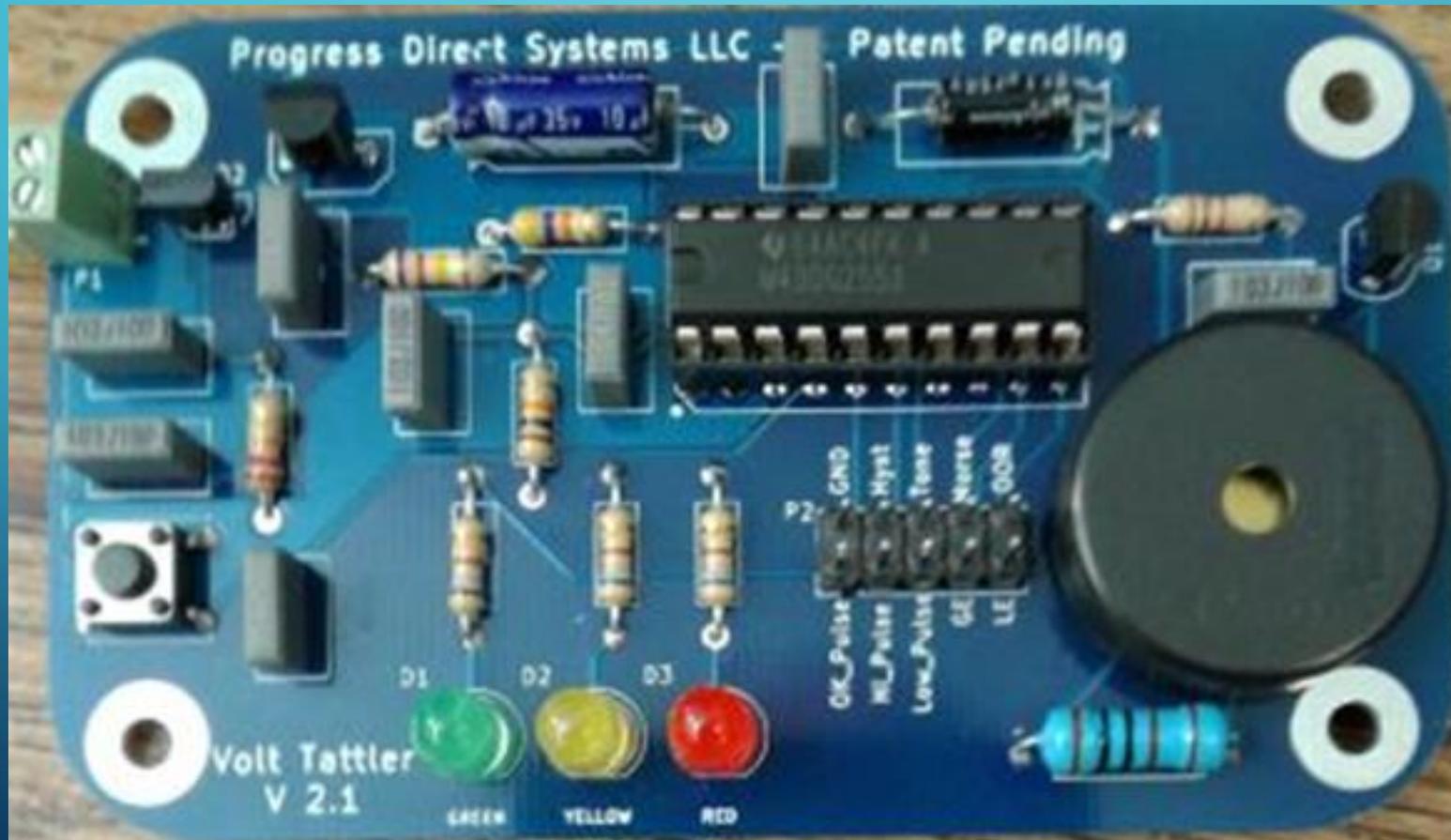
BUILD CLUB PROJECTS

North Fulton Amateur Radio Club Code Practice Oscillator



BUILD CLUB PROJECTS (CONT.)

Pacific Antennas Volt Tattler



TENTATIVE BUILD CLUB SCHEDULE

July 11 - 9 AM - 12 Noon

North Fulton Amateur Radio Club Code Practice
Oscillator

July 25 - 9 AM - 12 Noon

Pacific Antennas Volt Tattler



VEC UPDATE

RICH K9RD



REMOTE OPERATIONS – REMOTE POWER AND ANTENNA SWITCH

MARTY – WD9GYM

Remote Operating 2020

On January 8th, Linda and I suited up for the trip to Florida



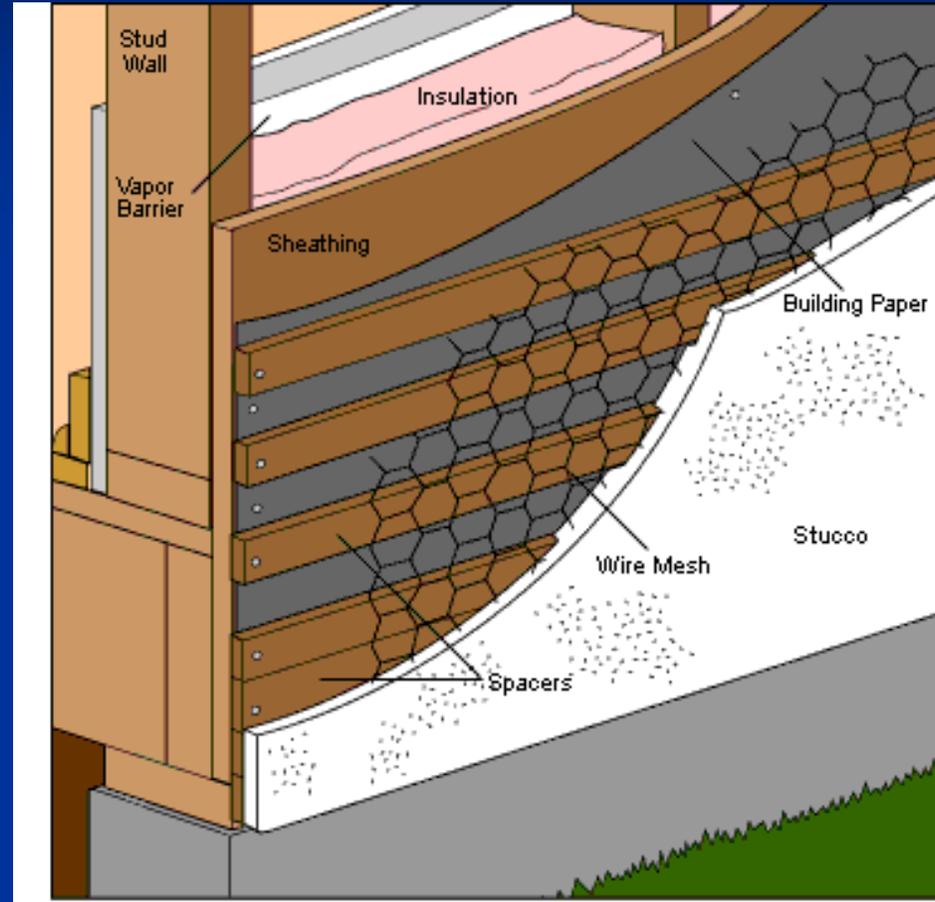
2019 Rental in Sunny Isles



HF 2019 Results

- 1 RTTY contact during contest
- 19 FT8 Contacts
- Longest contact 2713 miles
- Avg contact 1220 miles
- Closest contact 998 mile
- Most contacts were
 - 0 – 5 dB my side
 - 9 dB to -17 dB other side

Why Results Were Challenging



2020 Rental in Lauderdale



Amenities

- 55+ Gated Community
- Ground Level Apartment & Parking
- 2 Community Pools
- Bowling and Social Center
- Laundry on Floors 2 and above
- Cable and High Speed Internet
(After access point fix)
- Pool adjacent to the building means....

Hams In The Pool

Feb. 6, 2020

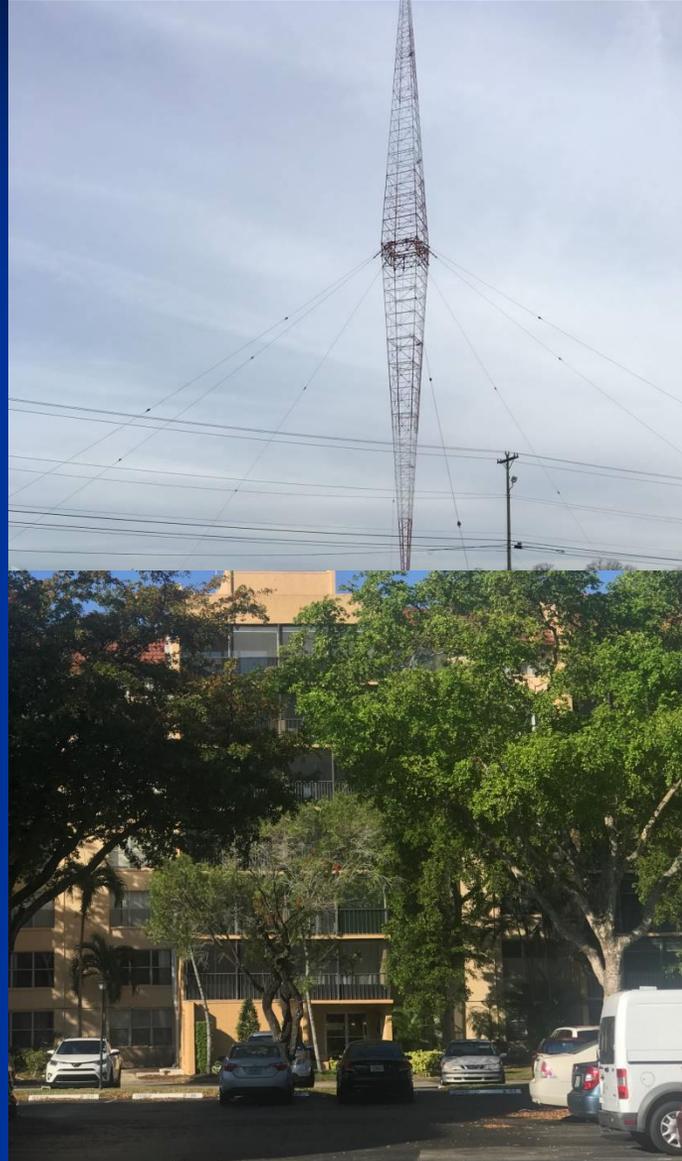


Hams In The Pool

March 3, 2020



The Best Amenity Was



*

* WSM 650 AM – 878 ft. tower

2020 Strategy - Expand Internet Usage

Allstarlink for 220 (new) & 70 cm repeaters
(Smart Plugs for Power Supply & Pi)

Hotspots for Fusion, Dstar and DMR (new)

Flex Radios for HF (new)
(Smart Plugs and Antenna Switch)

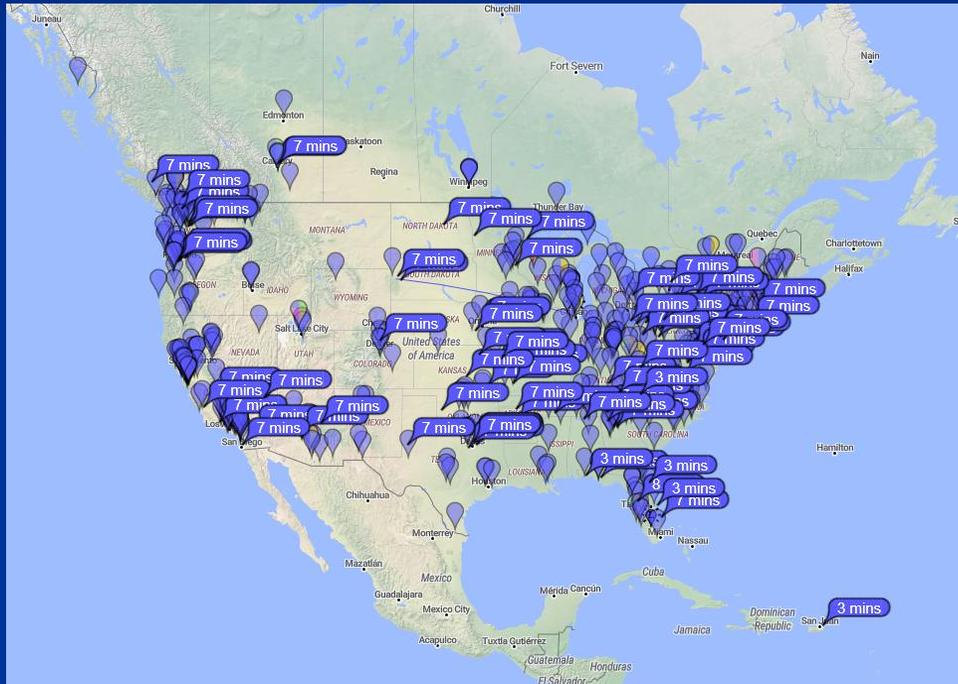
MacBook Pro running Windows 10 under Parallels

Changed HF QRP Rig



More power, bands and longer antenna cable

COVID-19 Weak Signal Challenge



2019 vs. 2020

| 11 | 2019 | 2020 |
|-----------------|------------|------------|
| QSOs Logged | 22 | 1007 |
| CW | 1 | 1 |
| SSB | 0 | 18 |
| FT4 | 0 | 251 |
| FT8 | 19 | 661 |
| RTTY | 2 | 71 |
| PSK31 | 0 | 5 |
| Countries | 0 | 32 new |
| Longest contact | 2731 miles | 8695 miles |
| Closest contact | 998 miles | 1/2 mile |

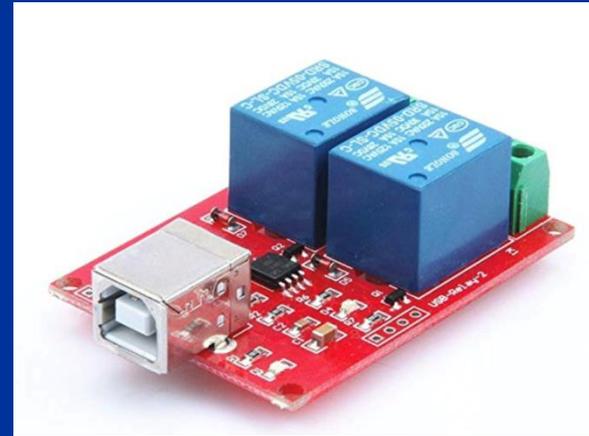
The KISS Approach

\$22



Shot Gun Approach

USB Relay (\$9) & Raspberry Pi (\$30)

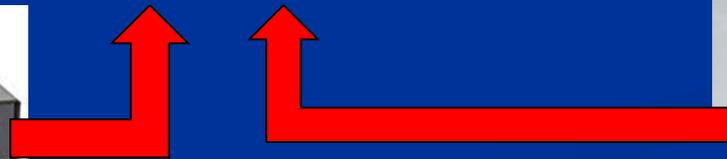
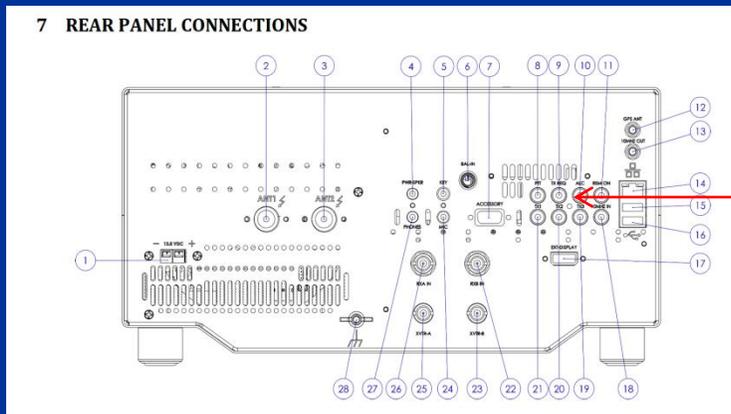
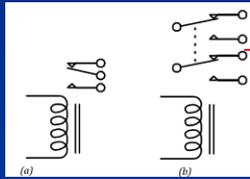


Grew to \$150+

MFJ Remote Antenna Switch \$99



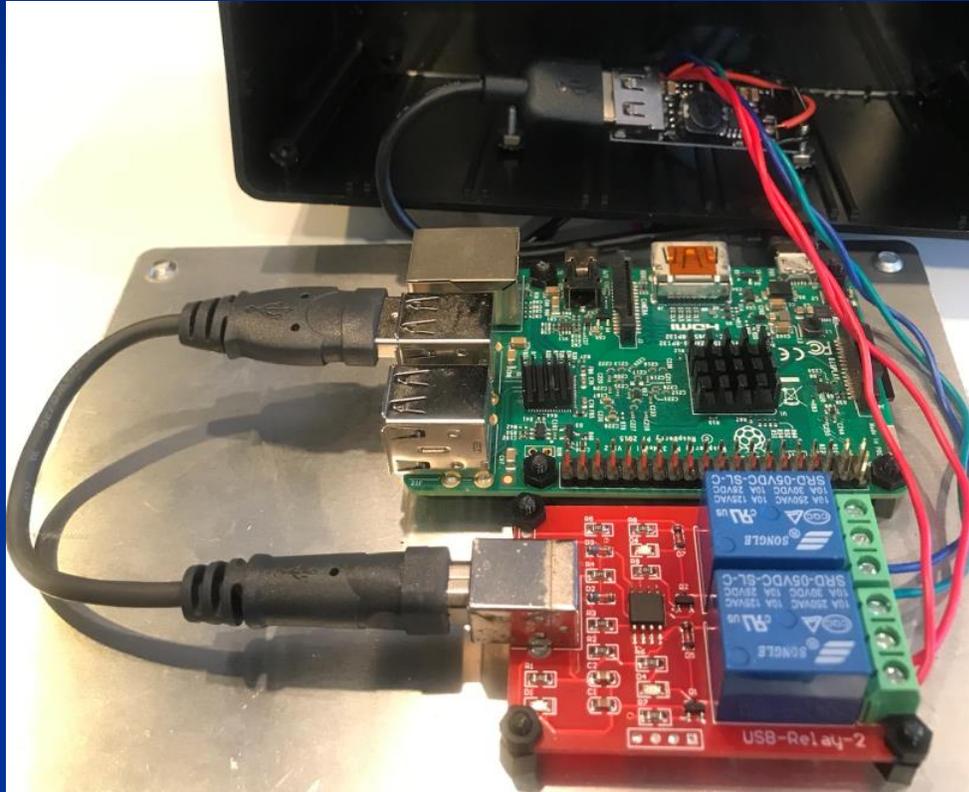
Flex Remote Power and Antenna Switch



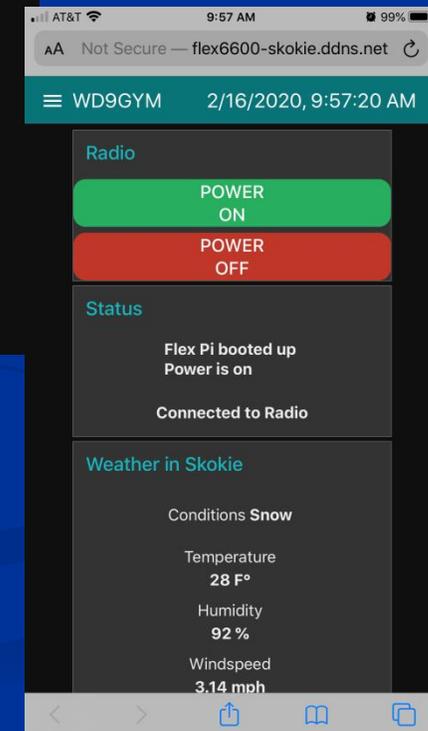
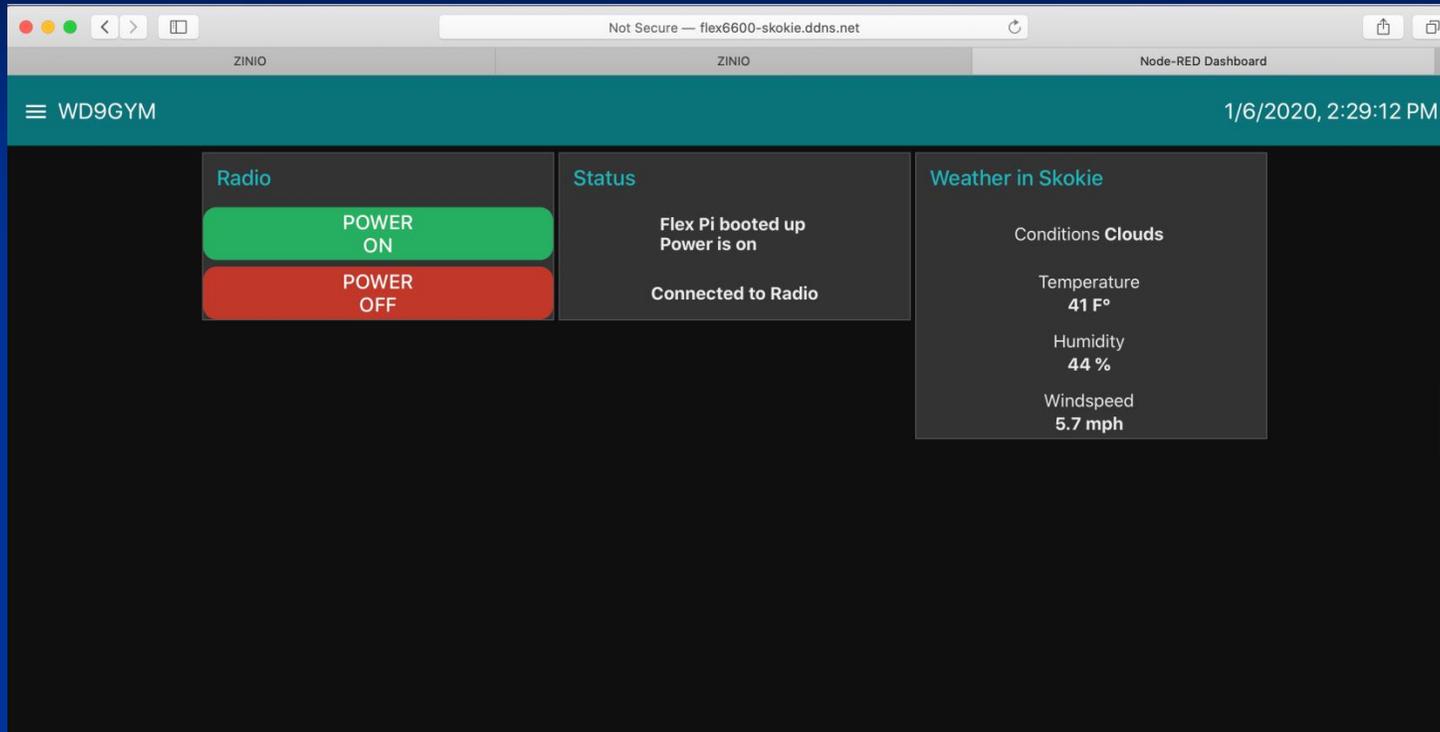
Functionality

- Smart Plug for Power Supply
- Use a WEB based Interface
- Soft Power On/Off the Flex Radio
- Switch the Antenna to Dummy Load
- Monitor the weather for THUNDERSTORMS
- Power Down or Reboot the Raspberry Pi
- Display Raspberry Pi Internal Temperature
- Display Raspberry Pi Disk Usage
- Send text info messages for key events

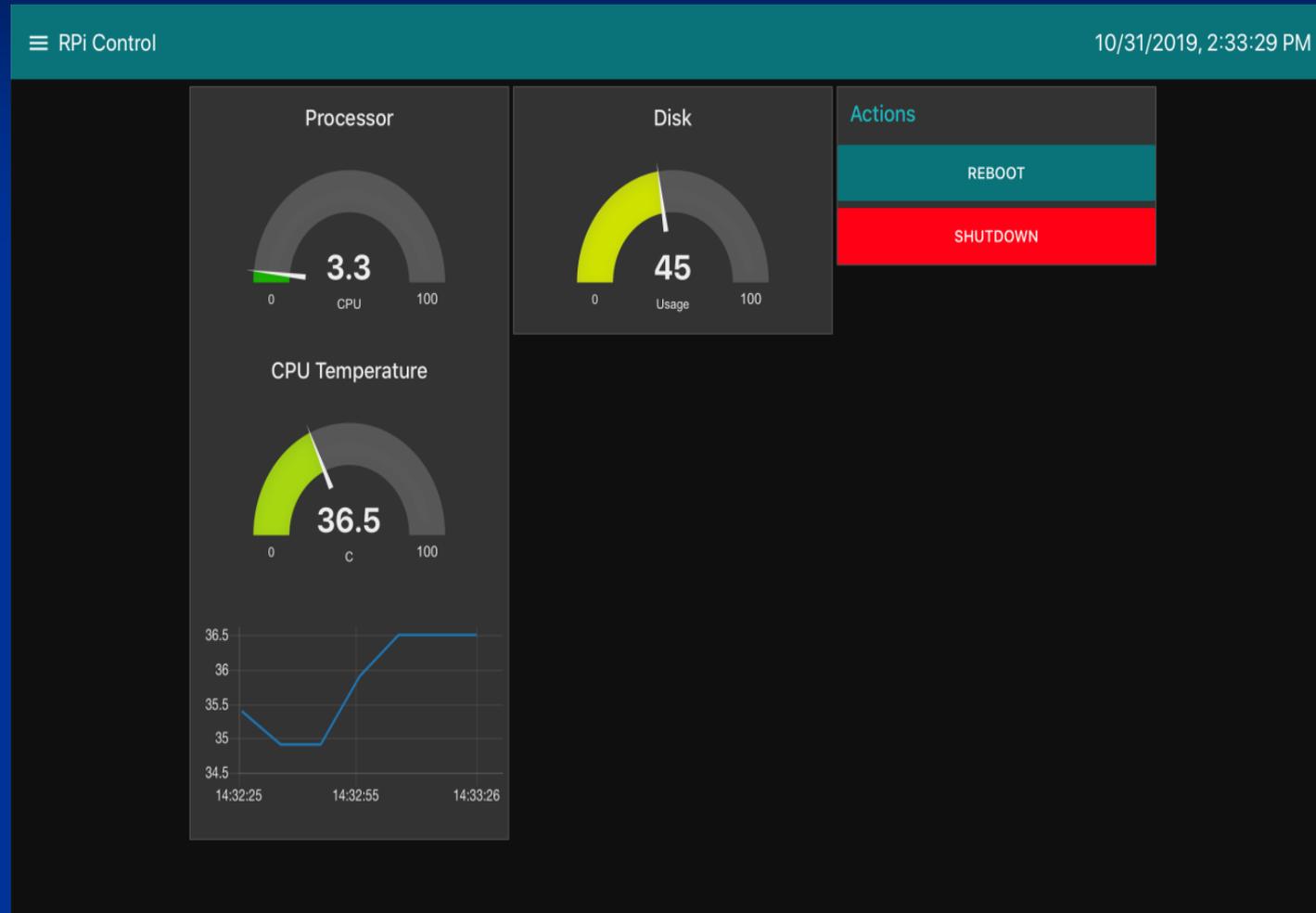
Put it in a box (\$15)



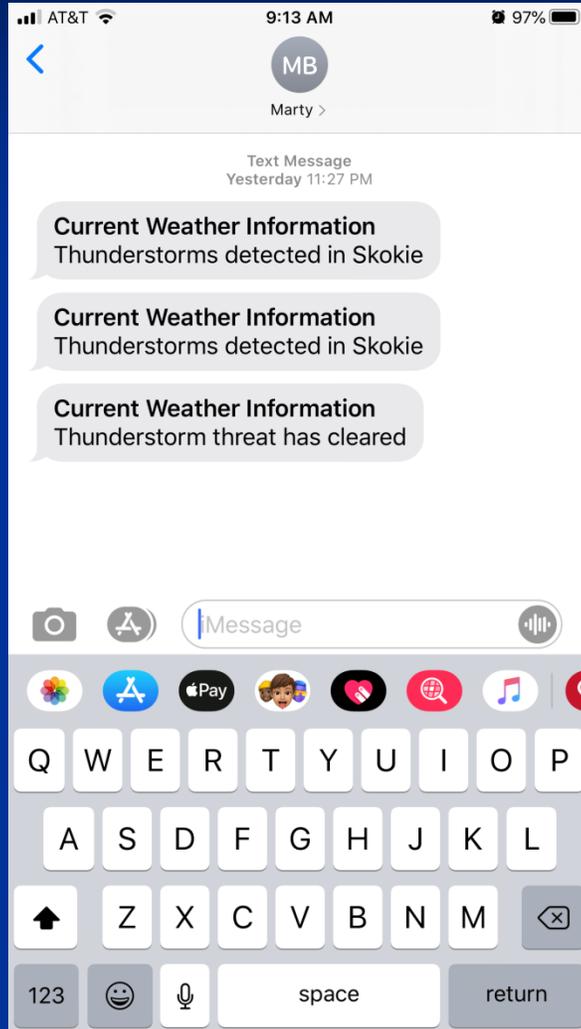
The Radio Interface



The Pi Interface



It Works!



Questions & Answers

?

?

?

?

?

?

?

