

Introduction to Meshtastic Off-Grid Communications

PART 2

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ABOUT

HAVE MESHTASTIC NODES

BASIC NODE SETUP

BASIC NODE OPERATIONS

Housekeeping



MUTE your MICROPHONES



Save your QUESTIONS for AFTER the presentation (or use chat)



The presentation will be recorded

What



Meshtastic is an off-grid, open- source mesh network, utilizing inexpensive LoRa radios for license free, text based and telemetry communication.

Use Case



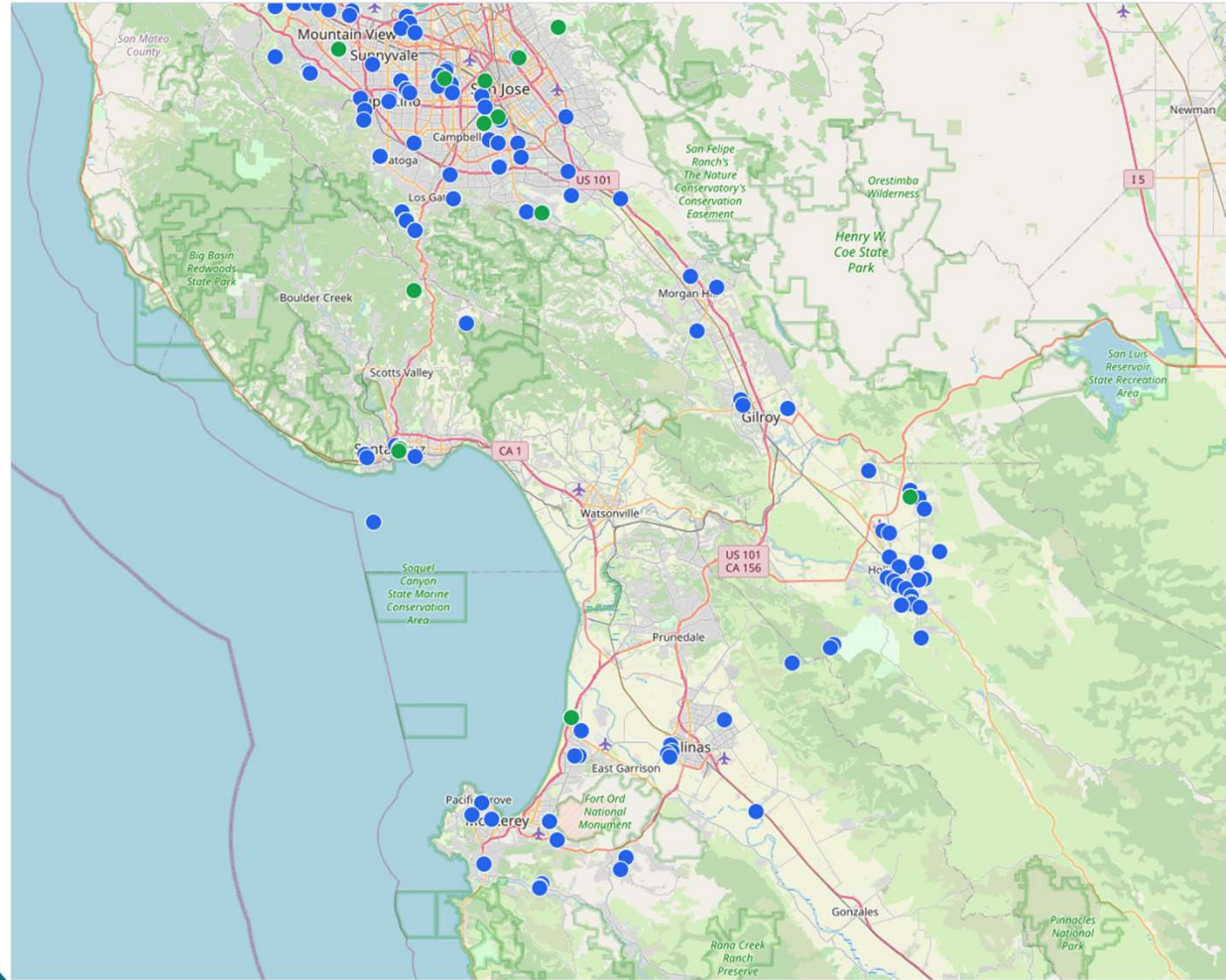
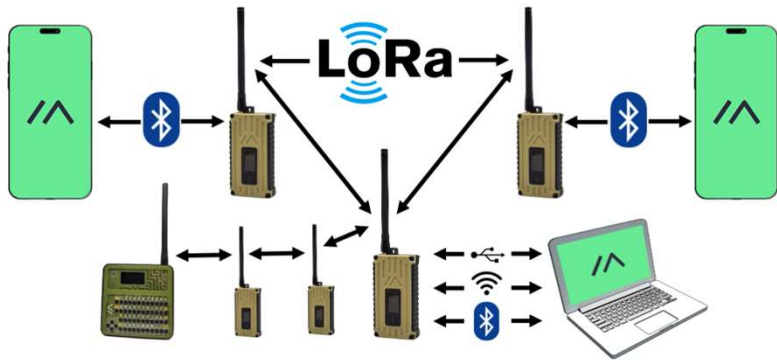
- Off-grid messaging when cell phone or internet goes down
- GPS location tracking
- Remote weather/telemetry
- Private encrypted communication

Benefits

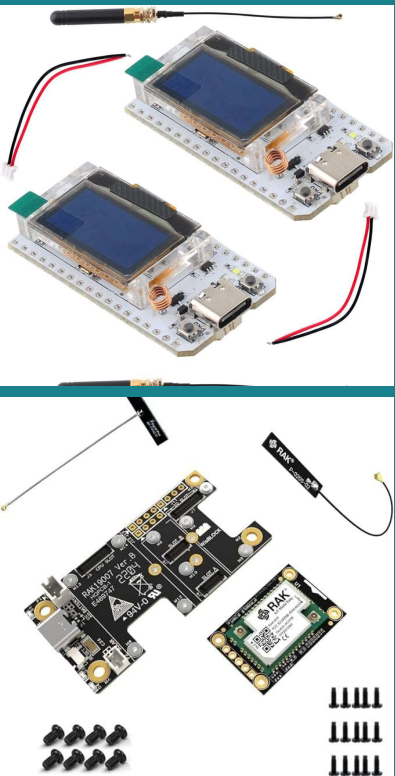


- License Free
- Low Cost
- Low Power
- Long Range
- Private

MESH Network



BASIC SETUP



1. USB Data Cable

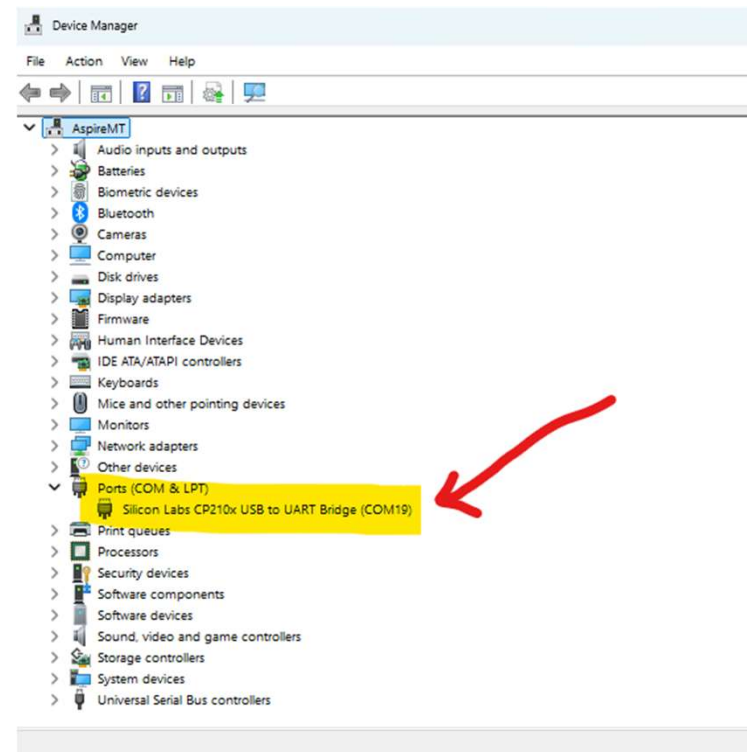
2. Flash Firmware

3. Set Up Device for Use

USB DATA CABLE

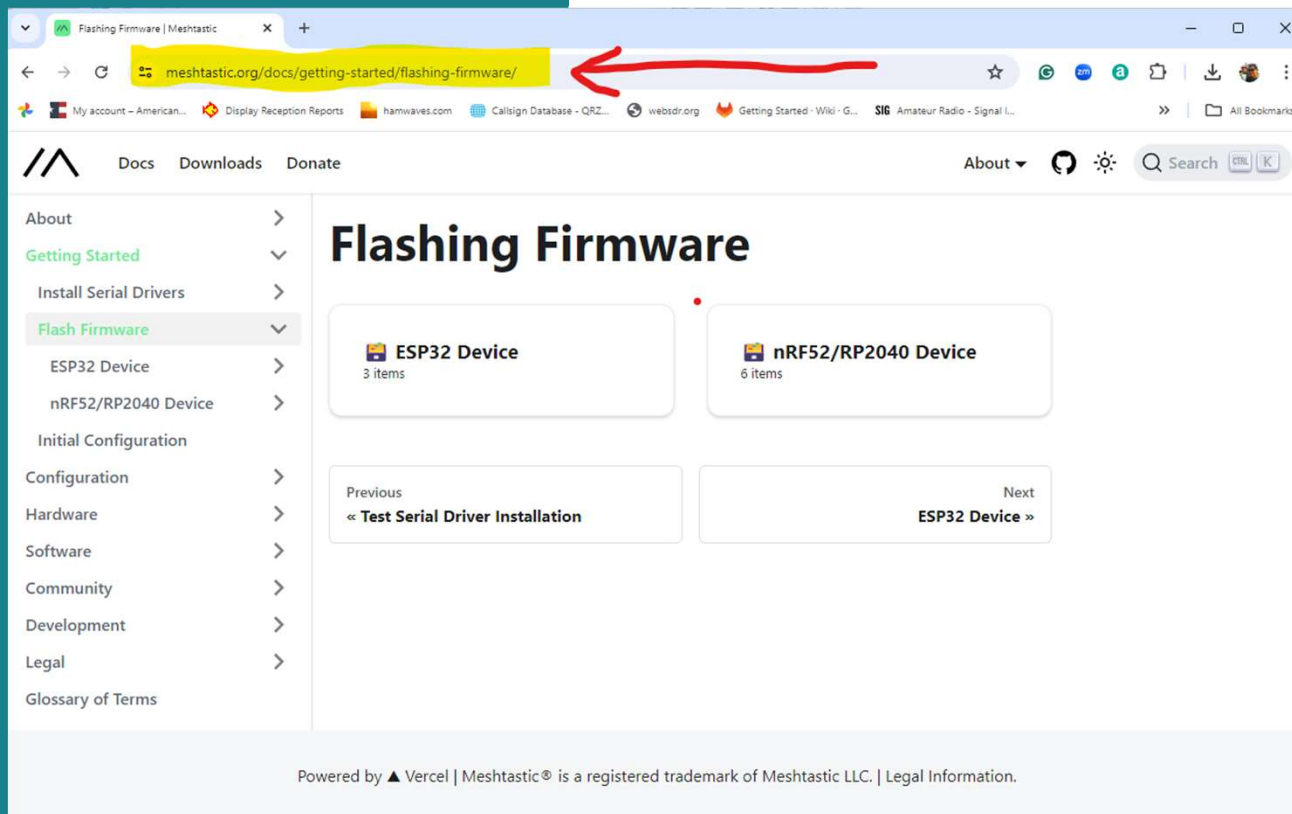


- Need a data cable and not just a charging cable!
- Com Port will show up in Device Manager if it is a Data Cable



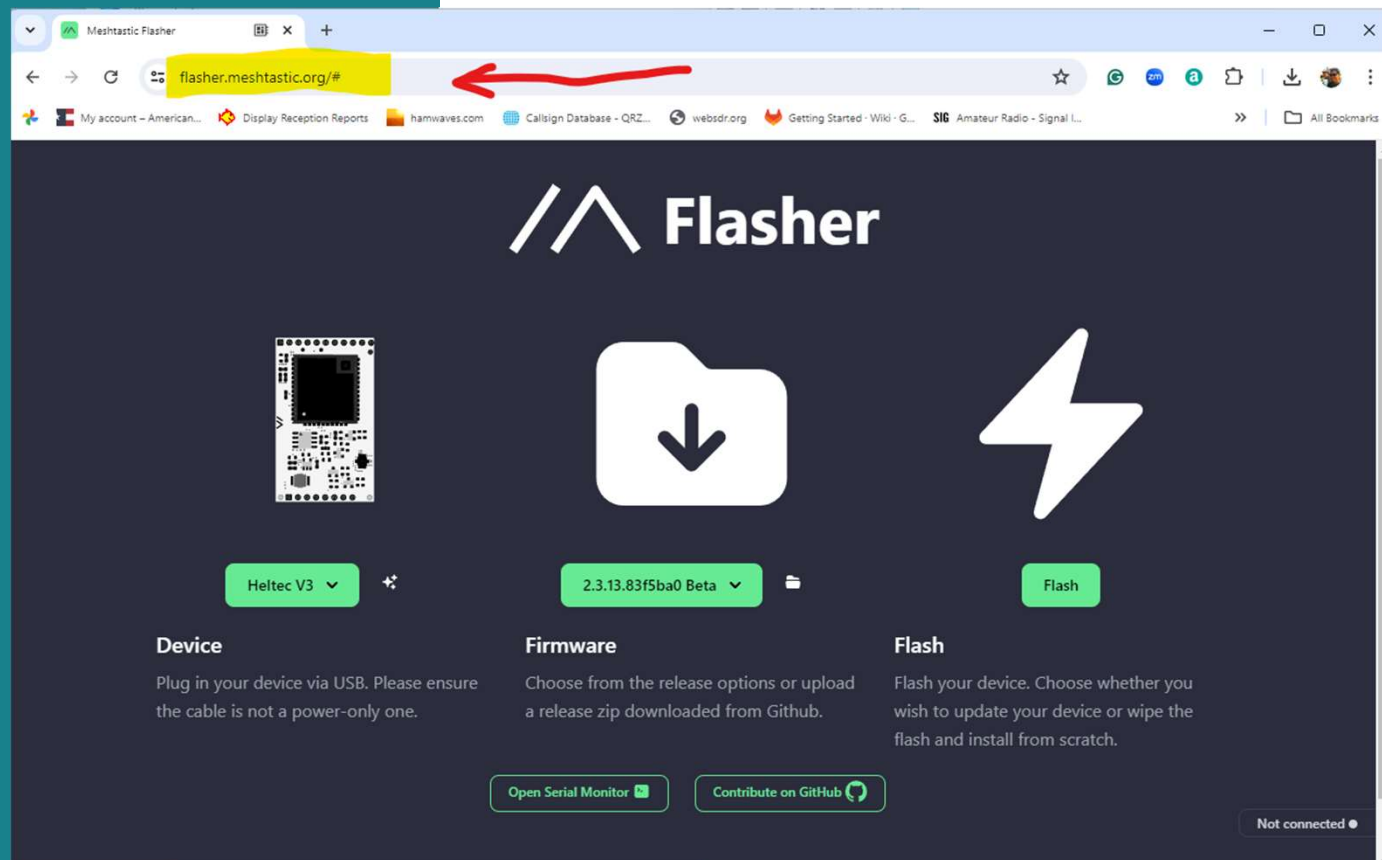
Flash Firmware

- Instructions on Flashing Firmware



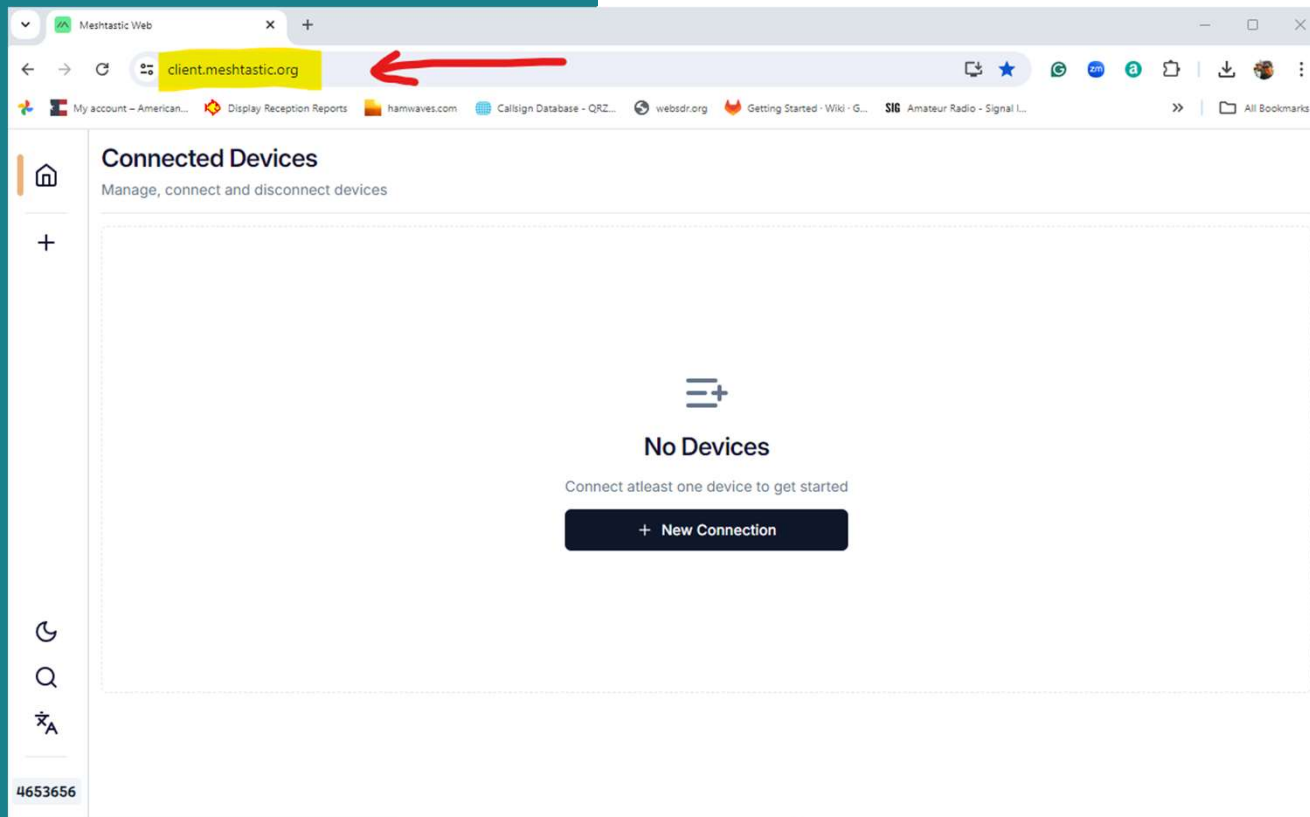
Flash Firmware

- Use Chrome Browser



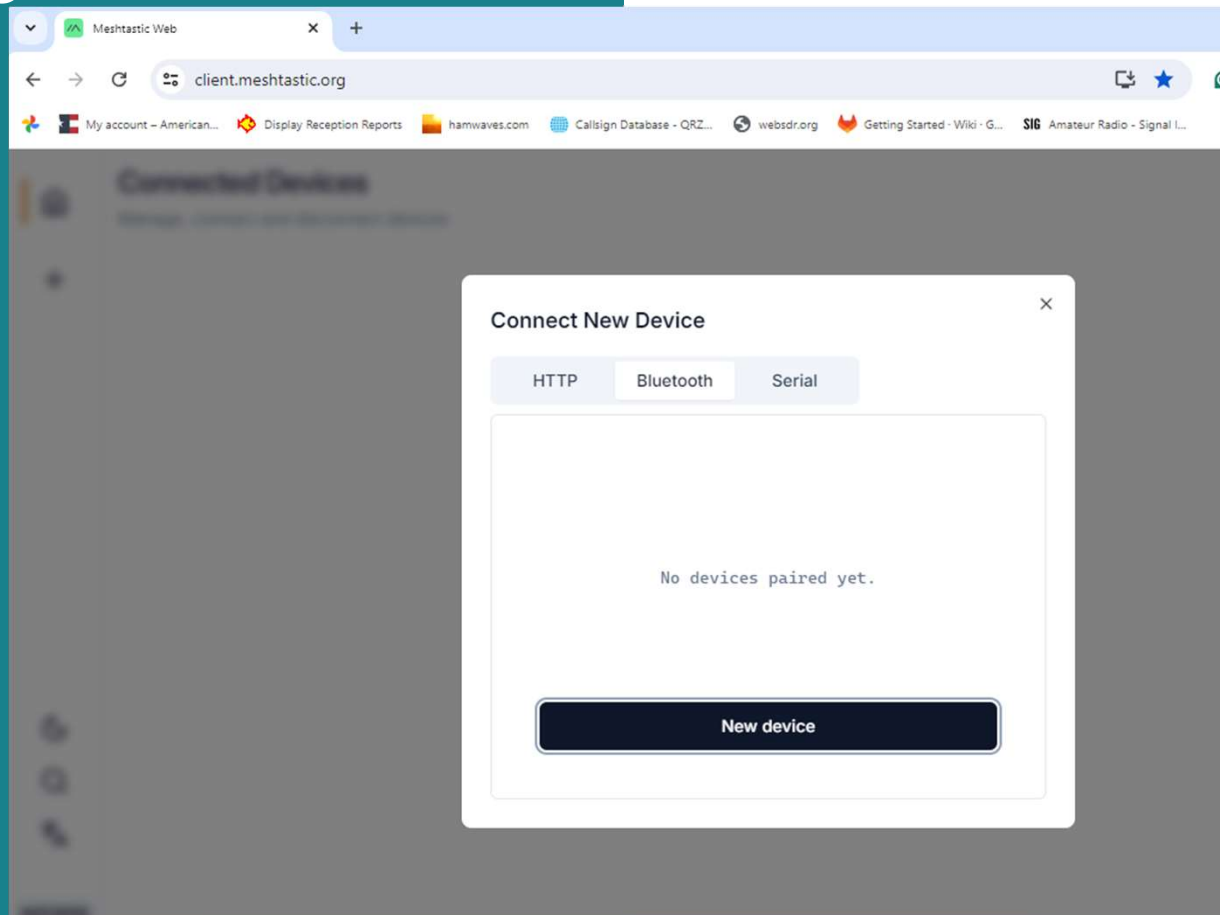
Setup Device for Use

- Use the web client to connect via USB



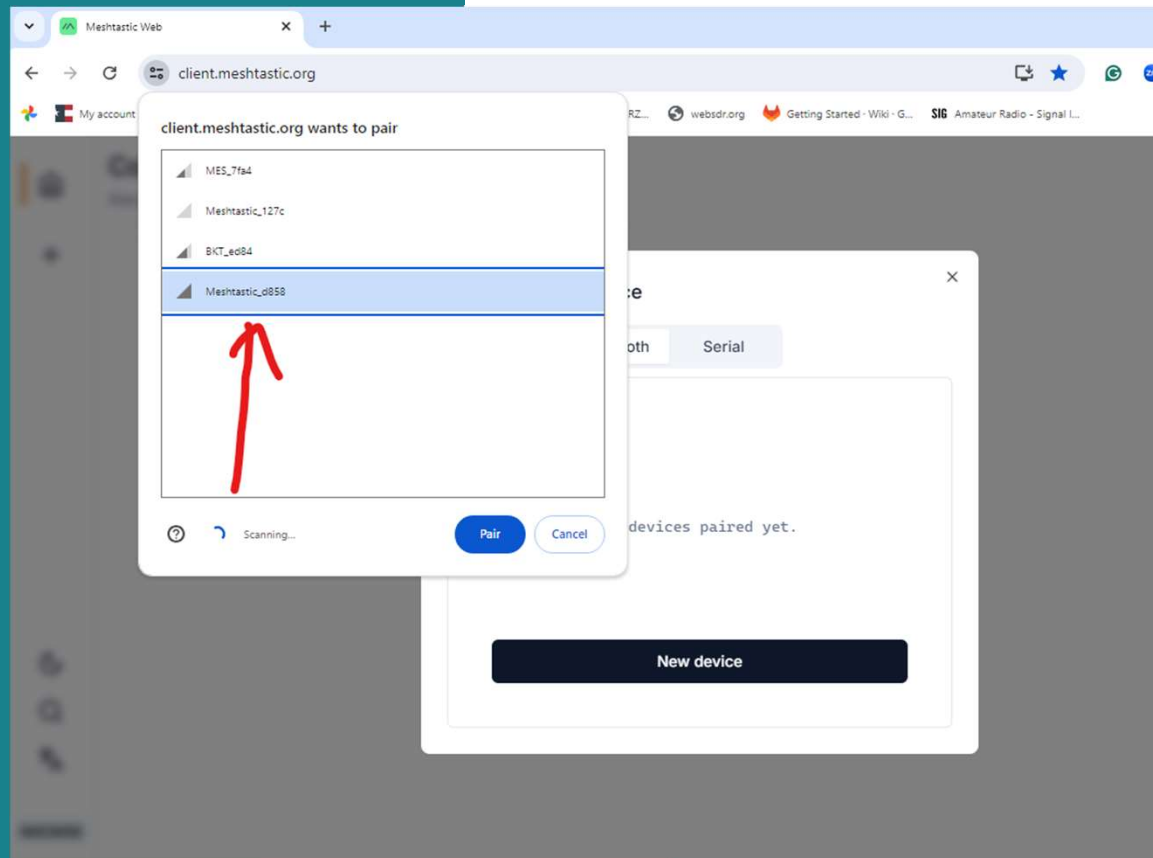
Setup Device for Use

- Use Bluetooth or Serial to Connect



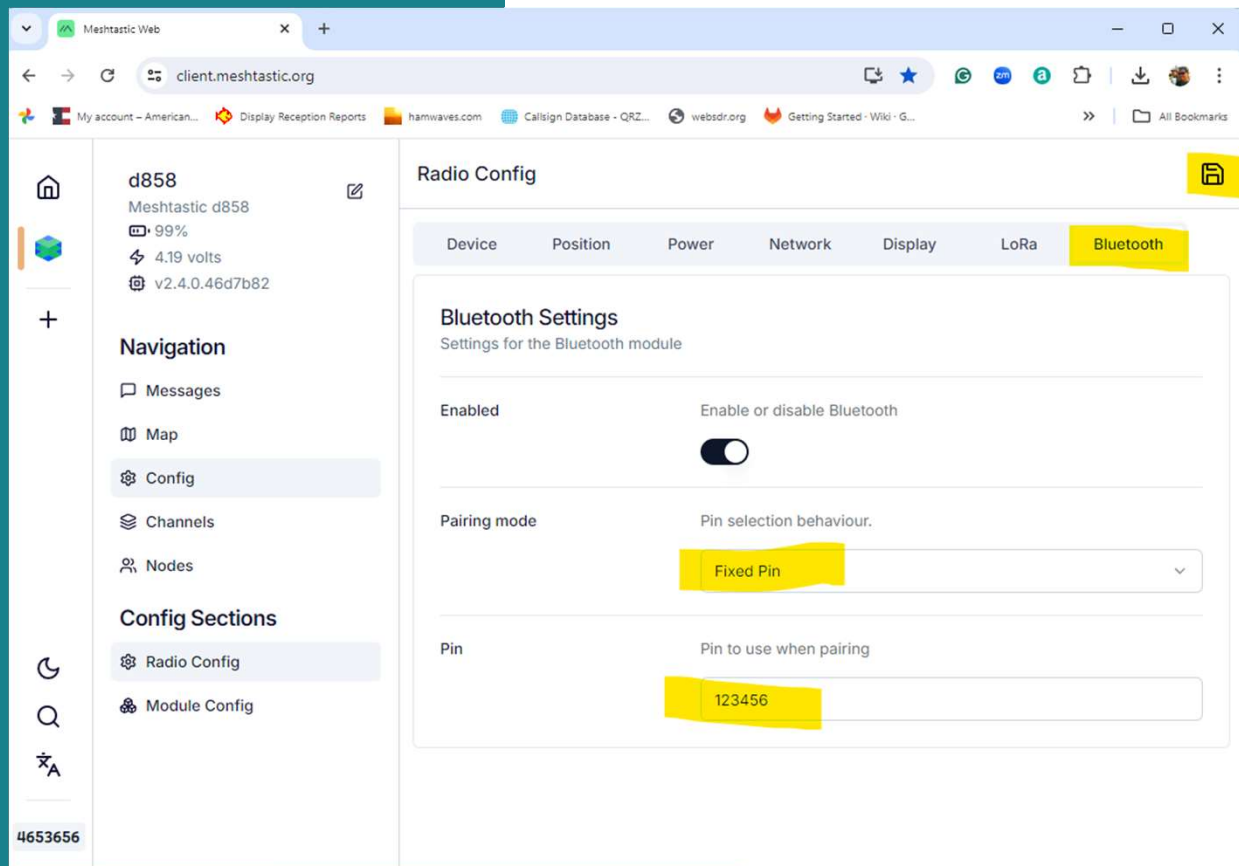
Setup Device for Use

- Use the web client to connect via USB



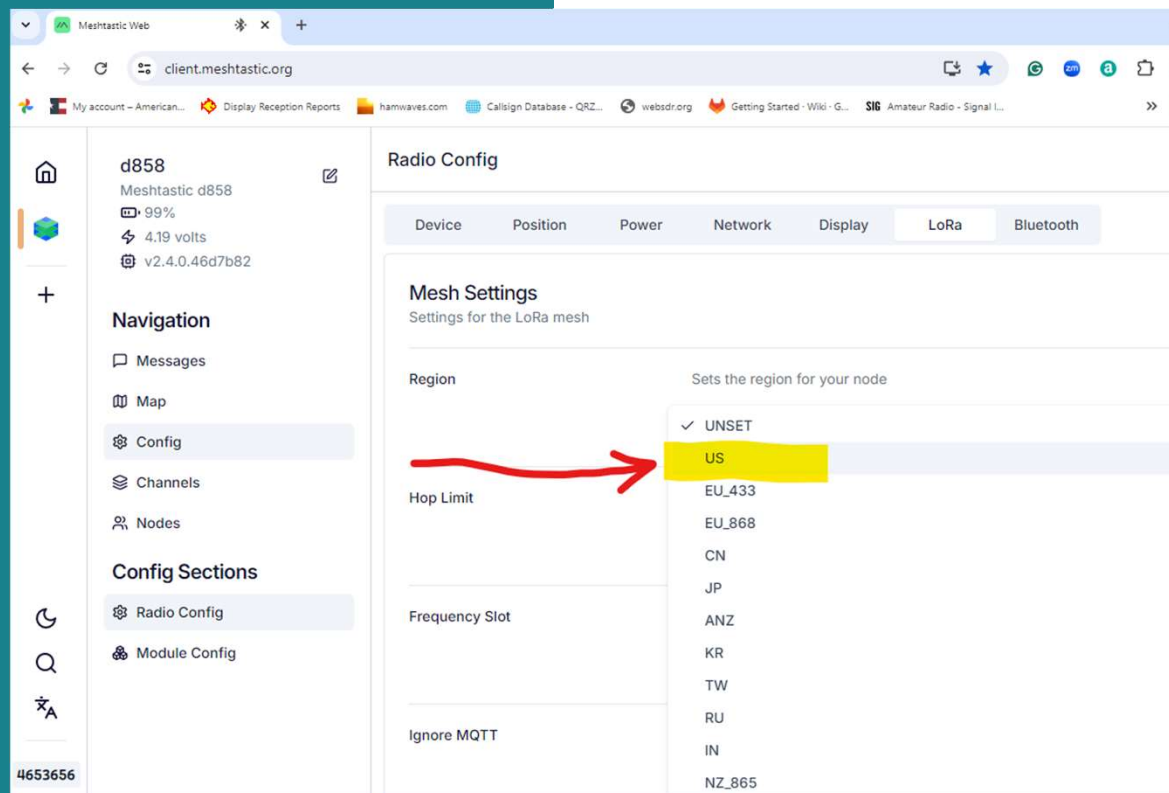
Setup Device for Use

- Set Bluetooth

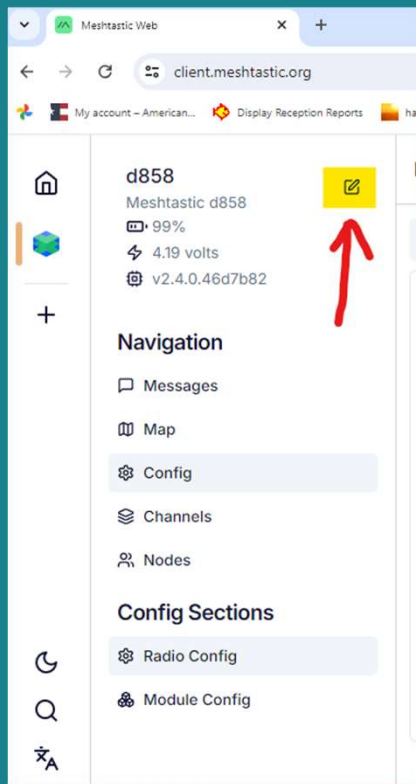


Setup Device for Use

- Set US Region



Setup Device for Use



- Set Node Name

Change Device Name

The Device will restart once the config is saved.

Long Name

Short Name

Save

Setup Device for Use

- Default Settings are BEST and WORKS!
- Avoid the temptation to change settings.



BASIC OPERATION

1. MAP
2. NODES
3. CHANNELS
4. MESSAGING
5. TELEMETRY

QUESTIONS?



Email KK6MES@gmail.com for
pertinent links and BOMs.



Thank you

