



Meshtastic

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What is Meshtastic?

The screenshot shows the Meshtastic website with a dark header and a bright green main content area. The header includes a logo, navigation links for Blog, Docs, and Downloads, and a search bar. The main title 'MESHTASTIC' is displayed in large, bold, black letters. Below it, a subtitle describes the project as an open source, off-grid, decentralized mesh network. At the bottom, three buttons invite users to Learn More, Get Started, or Donate.

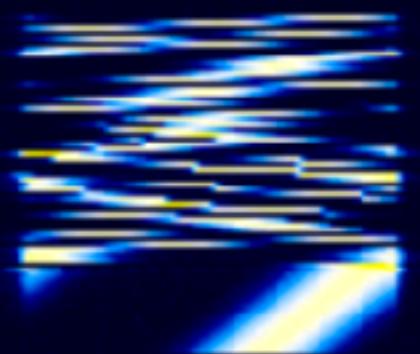
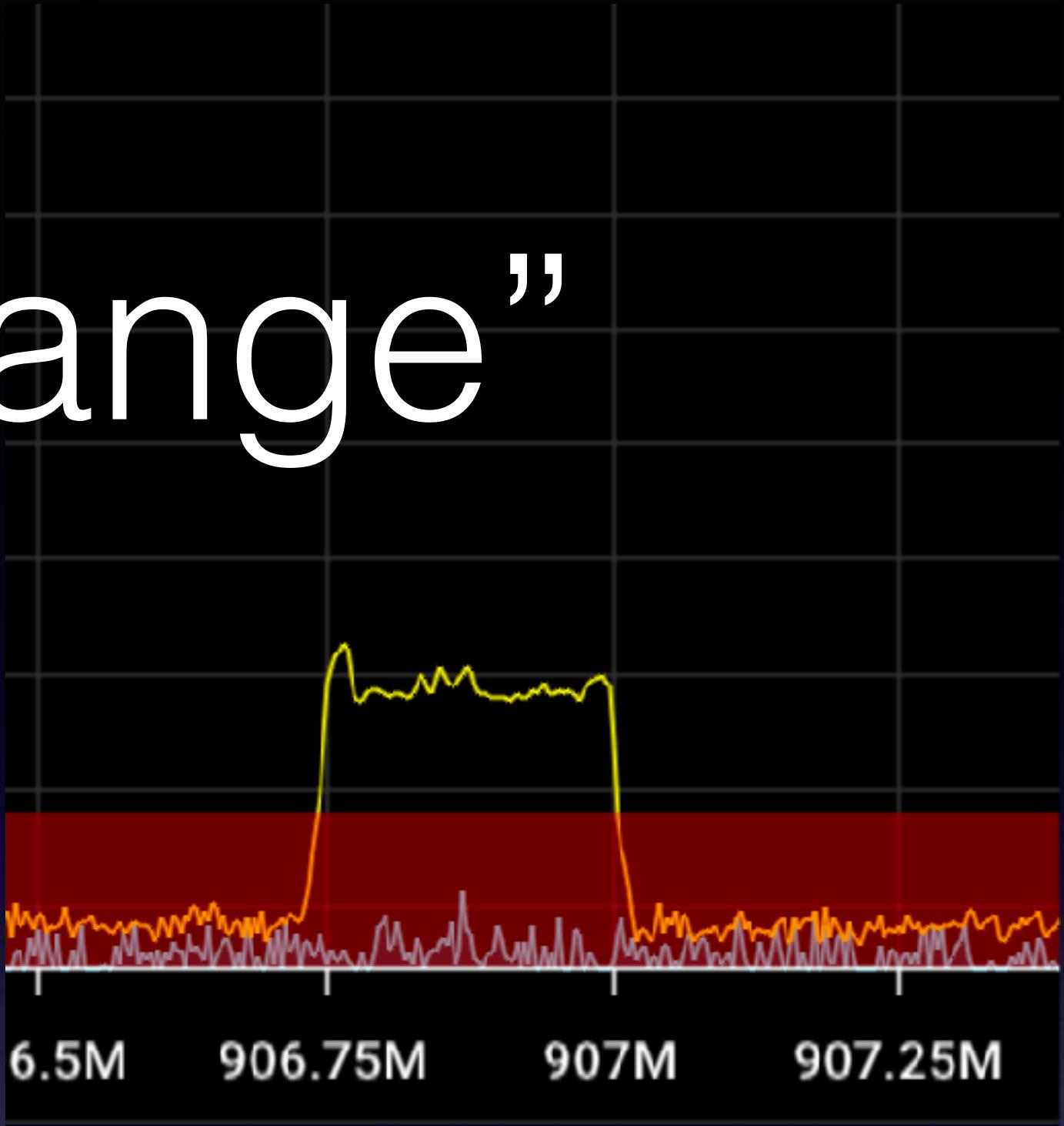
MESHTASTIC

An open source, off-grid, decentralized, mesh network built to run on affordable, low-power devices

Learn More Get Started Donate

LoRa - “Long Range”

- CSS - Chirp Spread Spectrum
- Default BW is 250 kHz













12:31

100



Bluetooth

Connected Radio



mini5gold

BLE Name: m5g_e0b4

Firmware Version: 2.5.20

Subscribed

50%



Messages



Bluetooth



Nodes



Mesh Map



Settings

m5g

12:32

100



Settings

CONFIGURE

Node

(i) BLE: mini5gold >

RADIO CONFIGURATION



LoRa



Channels



Security

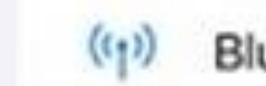


Share QR Code

DEVICE CONFIGURATION



User



Bluetooth



Device



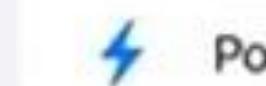
Display



Network

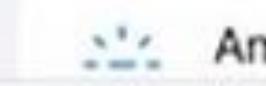


Position



Power

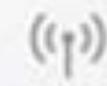
MODULE CONFIGURATION



Ambient Lighting



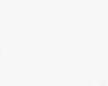
Messages



Bluetooth



Nodes



Mesh Map



Settings

12:31 12:31

100% 100%

m5g m5g

Nodes (154)

Find a node

Node	Status	Last Seen	Role	Away	Logs
m5g	Bluetooth Connected	3/7/2025, 12:31	Client Mute	55%	
RR M	Client	2/14/2025, 17:56	Client	20 miles away -67°	
j5n	Router	3/7/2025, 12:31	Router	1.3 miles away -171°	Signal Good
Lobo Station #1	Client	3/7/2025, 12:31	Client	14 miles away -122°	
ECHO 1	Client Mute	3/7/2025, 12:31	Client Mute		

Messages Bluetooth Nodes Mesh Map Settings



12:31

100%

< Messages

Channels

0

Primary Channel

Yesterday >

1

Alerts

02/05/25 >

1 EAS WX ALERT: Dense Fog Advisory issued
Feb 5 at 12:13PM CST until Feb 5 at 2:00PM CST b...

Messages



Bluetooth



Nodes



Mesh Map



Settings

12:31

100%

< Messages

Contacts (151)

Q Find a contact

j5n

jax5new Irme.sh

Yesterday >

JM58

JM5800

03/03/25 >

Hello

Tortuga Island

Tortuga Island

03/03/25 >

ping

NOMADIC

NOMADIC

>

ping

s5g

station5gold

>

Ping

Land Ho!

Land Ho!

>

ping

darb

darb

>

Testing

Fcs1

FocusedOne

>



Messages



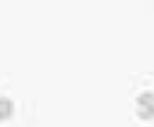
Bluetooth



Nodes



Mesh Map



Settings

Device Setup - Flashing

- Buy/build node
 - <https://meshtastic.org/docs/hardware/devices/>
- Flash firmware
 - Use Chrome - <https://flasher.meshtastic.org/>
 - Check USB serial drivers on Windows with ESP32 devices
 - ESP32 web client must be specifically selected

Device Setup - Tips

- No power without antenna
- Use defaults first, customize later
- Set long and short names. Leave channels alone at first
- Set region and enable transmit
- Don't use licensed mode
- Terminology can be confusing. "Channel", etc.
- Start with defaults
- Network and Bluetooth can't be enabled together

Device Setup - Remote Management

- Consider how to maintain remote nodes
- Setting management over RF using admin keys
- Firmware upgrades
 - USB/serial is the best
 - Not possible over network or LoRa
 - Bluetooth possible, but risky

Links / Contact

- <https://meshtastic.org>
- <https://lrme.sh>
- Discord - Instructions on lrme.sh
- Facebook - Meshtastic Users in Arkansas
- Email - AE5AU and N5QM good on QRZ