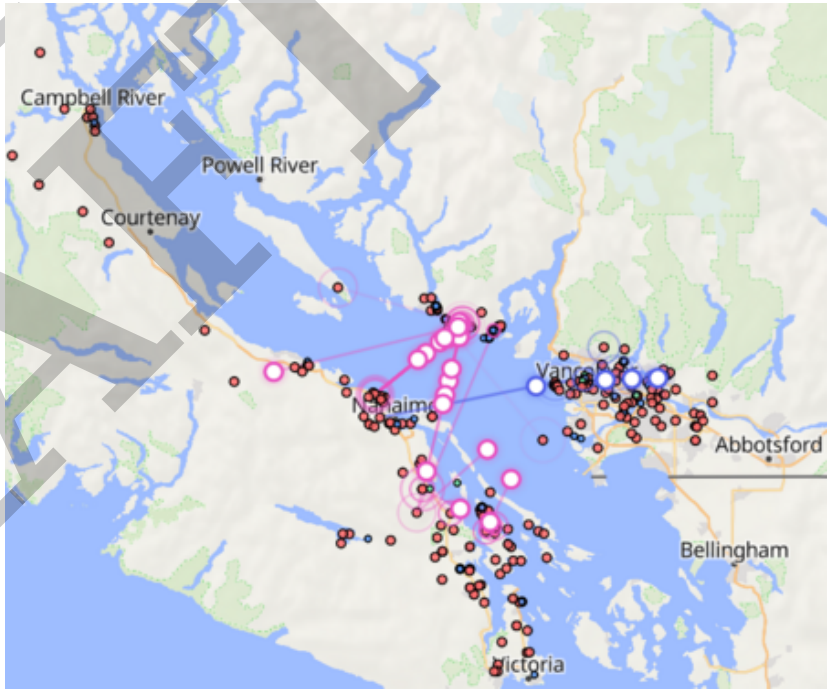
MeshCore Presentation

What it is

MeshCore is an open-source system designed to send text messages without the cellular or internet infrastructure.

It uses your phone (or a computer) paired via BlueTooth (or USB) to a device that transmits on unlicensed ISM frequency bands (909MHz) to enable decentralized, multi-hop wireless messaging using LoRa (Long Range) radio technology.

Use cases include emergency and disaster communications, or simply outdoor and remote activities outside of cellular range.



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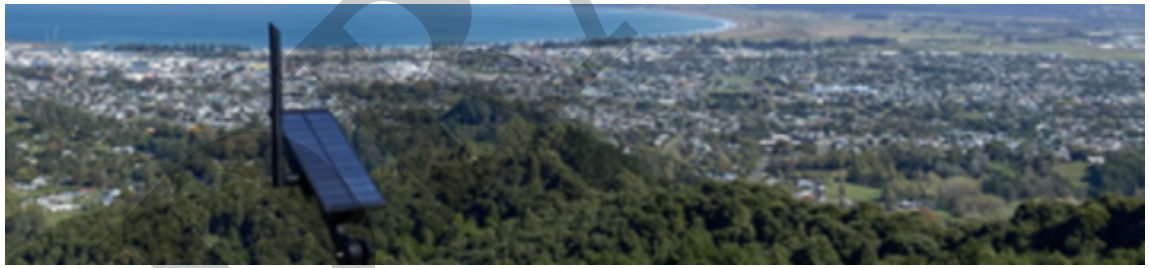
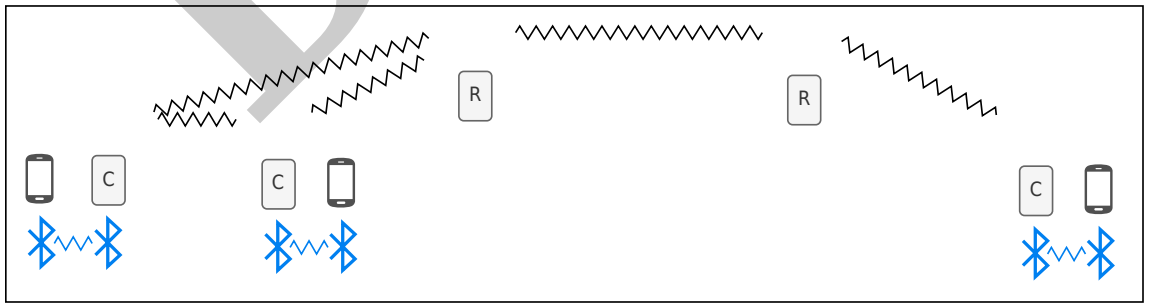
How it Works

The way it works is:

- Each person has a small *companion* device C paired to their cellphone via Bluetooth.
- Via their *companion* devices, each person can send and receive private or public text messages without the cellular network. And unlike ham radio, there is no need for a special license.
- The signal can travel directly between *companion* devices if they are close enough, or via a series of *repeaters* R to extend coverage.





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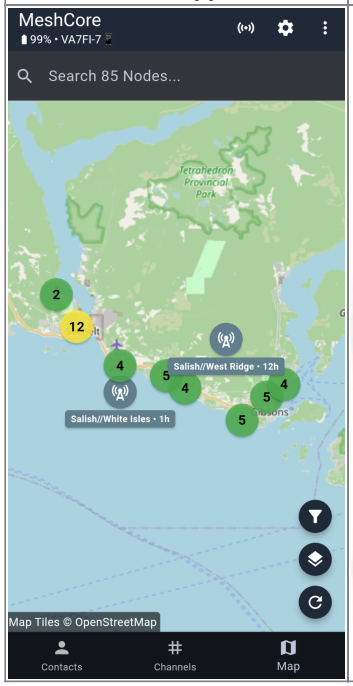
What You Need

- A mobile phone or a computer with the MeshCore app installed
- A companion device like the Wio Tracker L1 Pro (~$70) or the SenseCAP Card Tracker T1000-E (~$60)
- A repeater device like the SenseCAP Solar Node P1 (~$130) with antenna upgrade (~$50) to serve multiple companions within a radius of about half a kilometre.

The app	Two companions	A repeater
		

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What You Can Do

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How We Can Help

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Community Links

Add your email to our Sunshine Coast MeshCore Mailing group:

https://framagroupes.org/sympa/info/sunshinecoastmeshcore

Download our MeshCore Guide (temporarily on Google Drive until our website is back online):

https://drive.google.com/drive/folders/166F7DYyJF0hGQ_RZtUrEVJr3qFwPtmiM

If you already have MeshCore, join our Private Sunshine Coast channel:

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