

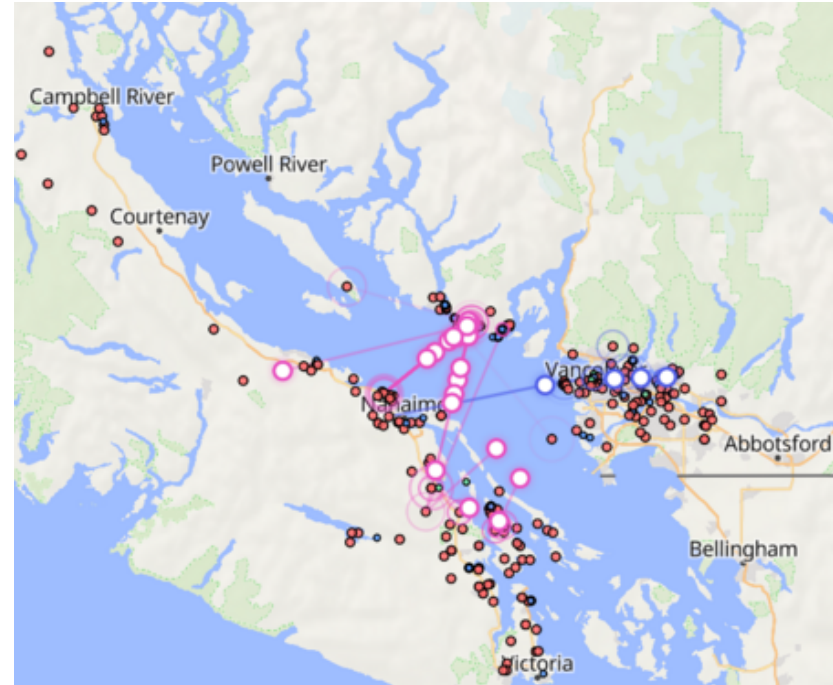
MeshCore Presentation

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.

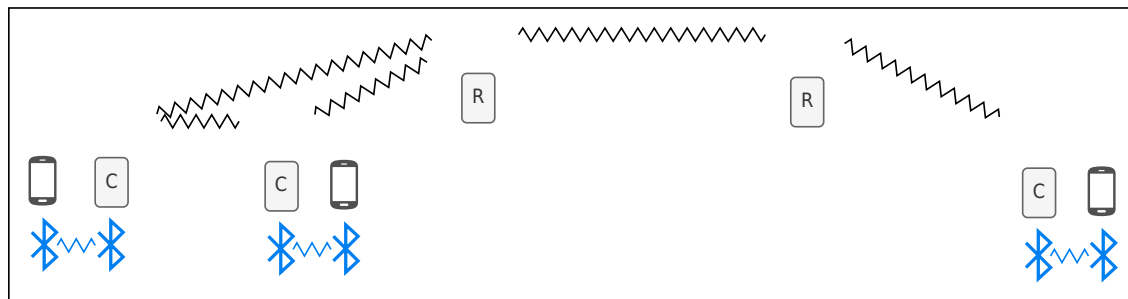
Use cases include emergency and disaster communications, or simply outdoor and remote activities outside of cellular range.



How it Works

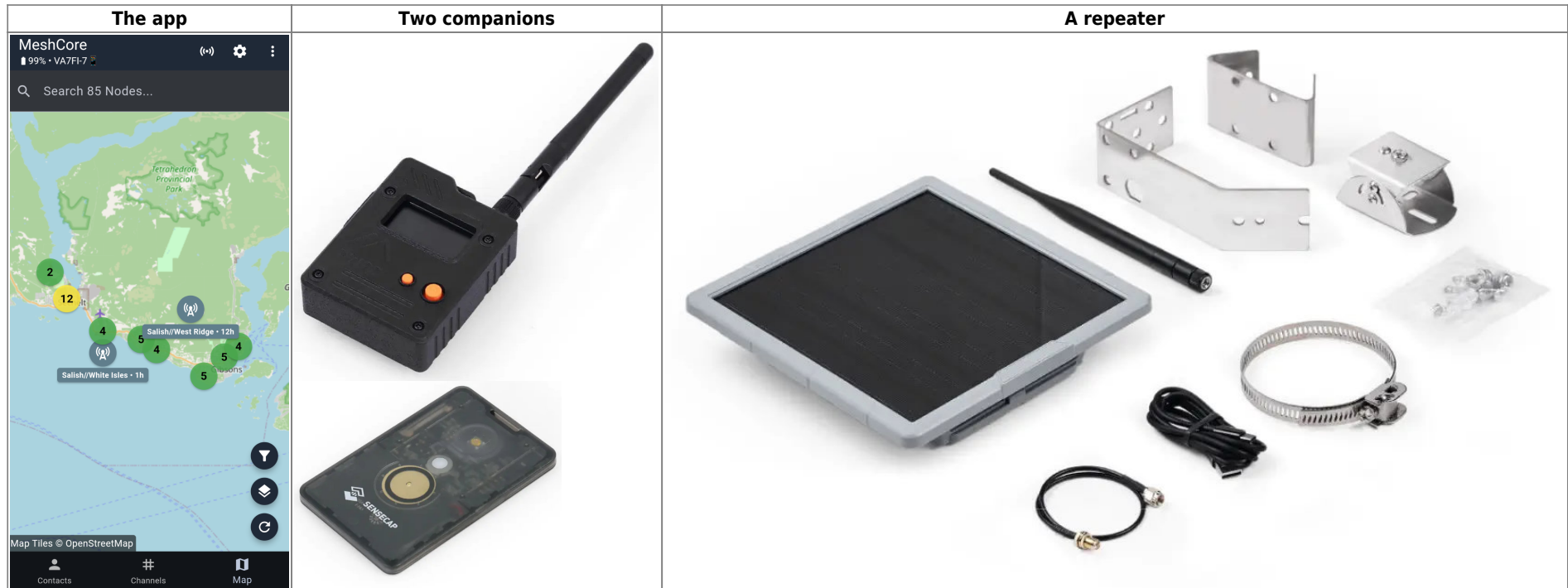
The way it works is:

- 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.



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.



What You Can Do

How We Can Help

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:

[11eb5edef134c5d8a517cc66fc1ae624](https://matrix.to/#/!1eb5edef134c5d8a517cc66fc1ae624:matrix.org)

