

# Meshtastic



<b>Name</b>	Meshtastic
<b>Description</b>	Meshtastic is a project that enables you to use inexpensive LoRa radios as a long range off-grid communication platform in areas without existing or reliable communications infrastructure. This project is 100% community driven and open source.
<b>Status</b>	Running
<b>Contact</b>	<a href="#">orimpe virii</a>
<b>Participants</b>	<a href="#">orimpe virii</a> <a href="#">xbr</a>
<b>Repository</b>	

## How it works

Here I document experiences and channel information about the nodes we use in Luxembourg.

### Meshtastic

Meshtastic utilizes LoRa, a long-range radio protocol, which is widely accessible in most regions without the need for additional licenses or certifications, unlike ham radio operations.

These radios are designed to rebroadcast messages they receive, forming a mesh network. This setup ensures that every group member, including those at the furthest distance, can receive messages.

Additionally, Meshtastic radios can be paired with a single phone, allowing friends and family to send messages directly to your specific radio. It's important to note that each device is capable of supporting a connection from only one user at a time.

### Meshtastic C3I Channel

This is our intern Meshtastic Channel.

<https://meshtastic.org/e/#CgMSAQEKkXlguT-4he7sSztgR8vNdjNHqL2aa1PeTQCI7IcUknvF7dlaB0MzTG1lc2gSCggBOANAA0gBUBs>



## Custom Ringtones

There are a few devices out there that support the use of RTTTL ringtones.

- SEED T1000E
- LilyGo T-Deck

Most any node with a buzzer should support custom ringtone configuration as well, but your mileage may vary. [more information here](#)

## Notes

- Meshcore Projekt Sait <https://meshcore.co.uk>
- Meshtastic gudd erklärt vun Meshhessen <https://meshhessen.de/>
- Meshcore gudd erklärt <https://meshcore-de.net/>
- Reticulum als Multitalent <https://reticulum.network/>
- OTA Updates <https://meshtastic.org/docs/getting-started/flashing-firmware/nrf52/ota/>
- Mesh Bot for Network Testing and BBS Activities [meshing-around](#)
- e [meshmonitor](#)

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