



Blackout Comms Channels

Blackout Comms provides the following two ways to group devices

Private Cluster

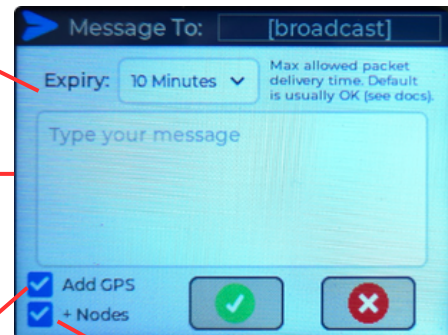
- Maximum privacy, security, and functionality
- Each device must be onboarded by root
- Signed delivery confirmation
- Direct messages & broadcasts
- Cluster-wide state, position tracking, and more
- 90 device limit (*with certain exceptions*)

Open Channels

- Unlimited number of devices
- A channel is created/joined by having a channel ID and series of passwords
- Encryption, digital sig, and frequency hopping
- Only broadcast messages are supported
- Location can be shared

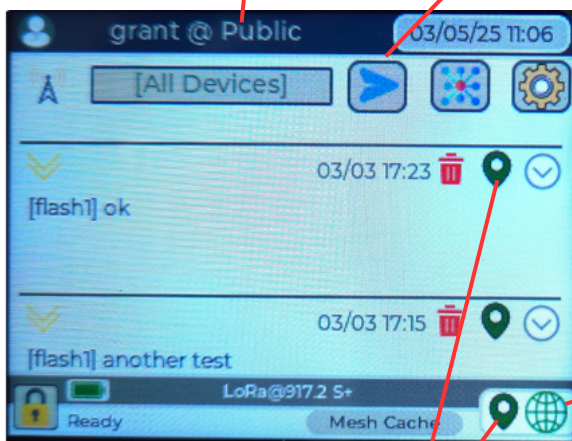
Max Expiration 2 Hours

Delivery attempts will continue until expiry



Current Channel

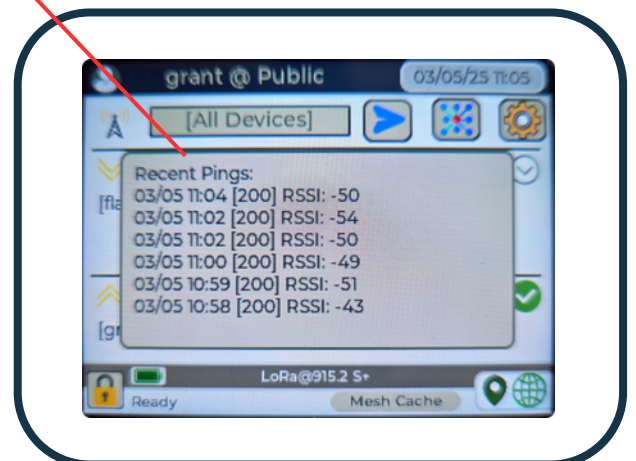
Broadcast a Message



Add your location to the message?

Should Links Display?

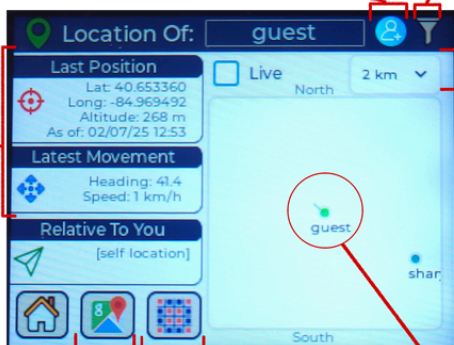
Green = You Have Neighbor(s)
Touch to view pings



Add other devices on the view
(only available on YOUR location)

Filter other devices from the view

Latest Position of device named at the top



Map Scale

Scannable QR Map Link

Map View
(currently shown)

Your Position and Course Over Ground
Walk for a moment to get your heading



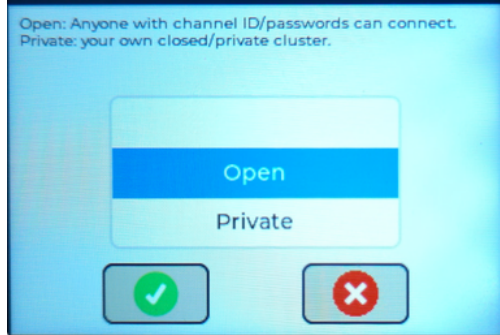
Setting Up a Channel

Communicators can have 2 channels configured. Links can only have one. **A channel is really just a unique alphanumeric Channel ID and a series of 4 passwords** which create an unpredictable frequency hopping schedule and encryption keys.

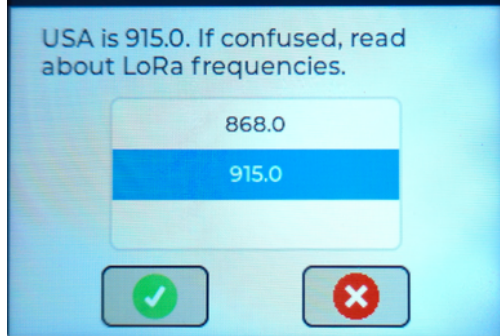
Connecting to any channel



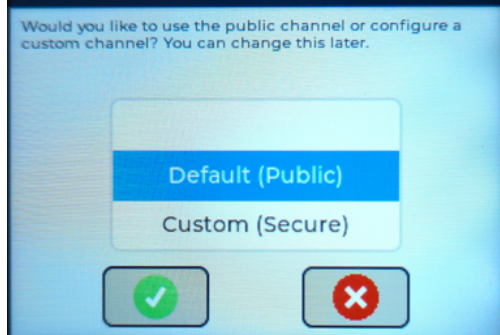
Open or Private



RF Zone



Custom or Default

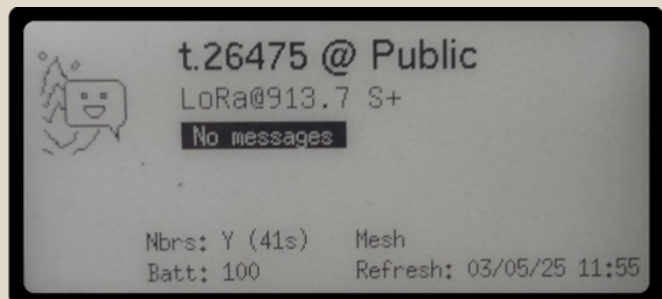


Switching Channels

Open settings and select the channel you want.



Links and Channels



Links can act as message caches, repeaters, and displays for channels. To add a link to your channel, you must push the channel config from a communicator.

Connecting a Link to a Channel

- Connect a communicator to the channel
- Install the **Anon** node firmware to the link. If not using SD card, select to erase the node when installing.
- If using an SD card, ensure the node's SD card is empty
- Power on the link - it should be waiting to receive channel info from a communicator.
- On a communicator, choose: Settings / Channels / Send Channel
- Allow a minute or two for the link to be fully configured.