



Blackout Comms Settings



Device

Device-level settings, relating to UI, time, etc.

- Firmware Version** Firmware & encryption version
- Sound Enabled** Play sound for new messages
- Backlight Level** Screen backlight brightness
- Firmware License** Device license type
- Clear Messages** Delete stored messages
- Message History** Whether to store messages to SD / Flash
- Screen Timeout** Time until screen powers off
- Daylight Savings** Whether to adjust for DST
 - Time Zone** Device time zone
 - Device ID** Unique hardware ID
 - Uptime** Minutes since reboot
- Device Time** Current time - only root can change
- Factory Reset** Clear device storage & keys

Mesh

Settings relating to how this device performs meshing

- Clear Cache** Delete all cached mesh packets
- Mesh Syncing** Whether meshing is enabled
- Mesh Reset** Clears mesh packets & ratings
- Remote Control** Allow/disallow other devices to issue
- Auto-Broadcast** Whether to broadcast time regularly,
 - Time** helping nearby devices startup faster

Security

Settings relating to trust and security

- SD** If enabled, your SD card can be moved to
- Locked/Portable** a different comm at any time, or whether the SD card should be locked to this device
- Change Password** Set a new password on this device - the password can never be retrieved!
- Time Lock** Keep time only using RTC (ignore GPS)
- Truststore Lock** Whether to recognize or ignore new devices on this cluster
- Key Forwarding** Whether to forward and/or trust other forwarded public keys from trusted devices
- Ignore Expiry** Whether to receive expired messages

LoRa

Settings relating to trust and security

- LoRa Enabled** Whether to enable LoRa, can only be disabled if MQTT or UDP is enabled

Channel

Channels allow you to communicate via encrypted broadcasts + channel hopping, given a shared set of passwords

- Change Channel** Change to a different configured open channel
- New Channel** Configure a new open channel
- Receive Channel** Receive config from another device that is broadcasting channel config
- Delete Channel** Remove channel config from device

Cluster

A Settings related to the private cluster

- Nicknames** Whether to view nicknames, where set
- Ping Log** Display last 5 pings on home screen
- Broadcast Time** Immediately broadcast time to help a nearby device startup
- Broadcast Identity** Immediately broadcast public key
- Your Address** Device's cluster-assigned address
- Change Cluster** Switch device to a different cluster, if another is configured
- Join Cluster** Connect with a root device to join its cluster
- Onboard Device** Securely add a new device to this cluster, *only root can do this*
- Add Anon Link** Add an anonymous link that can receive/display/rebroadcast
- Create Cluster** Create & become root of a new cluster
- Delete Cluster** Delete a cluster configuration
- Receive Date/Time** Reset this device's using a nearby device

Location

Whether to use GNSS/GPS, and related settings

- GNSS Type** Onboard GNSS module and/or RTC
- Location Sharing** Whether or not to share location
- Clear Locations** Delete all device locations
- Altware Map** Whether location QR shows google maps link or Altware Live Map (experimental)
- Tracking Mode** Triple ping frequency to cause more frequent location sharing
- Location Log** Log all device locations to serial / UART
- Publish Locations** Share location with Altware, *experimental and disabled by default*
- Location Enabled** Enable/disable GNSS module
- Use GPS** Whether to accept GPS satellite data
- Use Glonass** Whether to accept Glonass data
- Use BeiDou** Whether to accept BeiDou data

Mesh Cloud

MQTT related settings - WiFi & MQTT service are required

Cloud Setup Setup MQTT server/authentication

MQTT Enabled Enable/disable MQTT (WiFi is required)

Prefer Cloud Route packets via MQTT when possible

WiFi

Connects on 2.4 GHz & can run in parallel with LoRa

Add Network Add up to 5 WiFi SSIDs / credentials

Delete Network Delete a stored WiFi SSID

Current Network Display currently-connected WiFi

Auto Reboot If MQTT is enabled connectivity is lost for more than a few minutes, should this device reboot automatically