



SafecomLink



WHEN EVERYTHING FAILS,
SAFECOMLINK DELIVERS

V 1 . 3



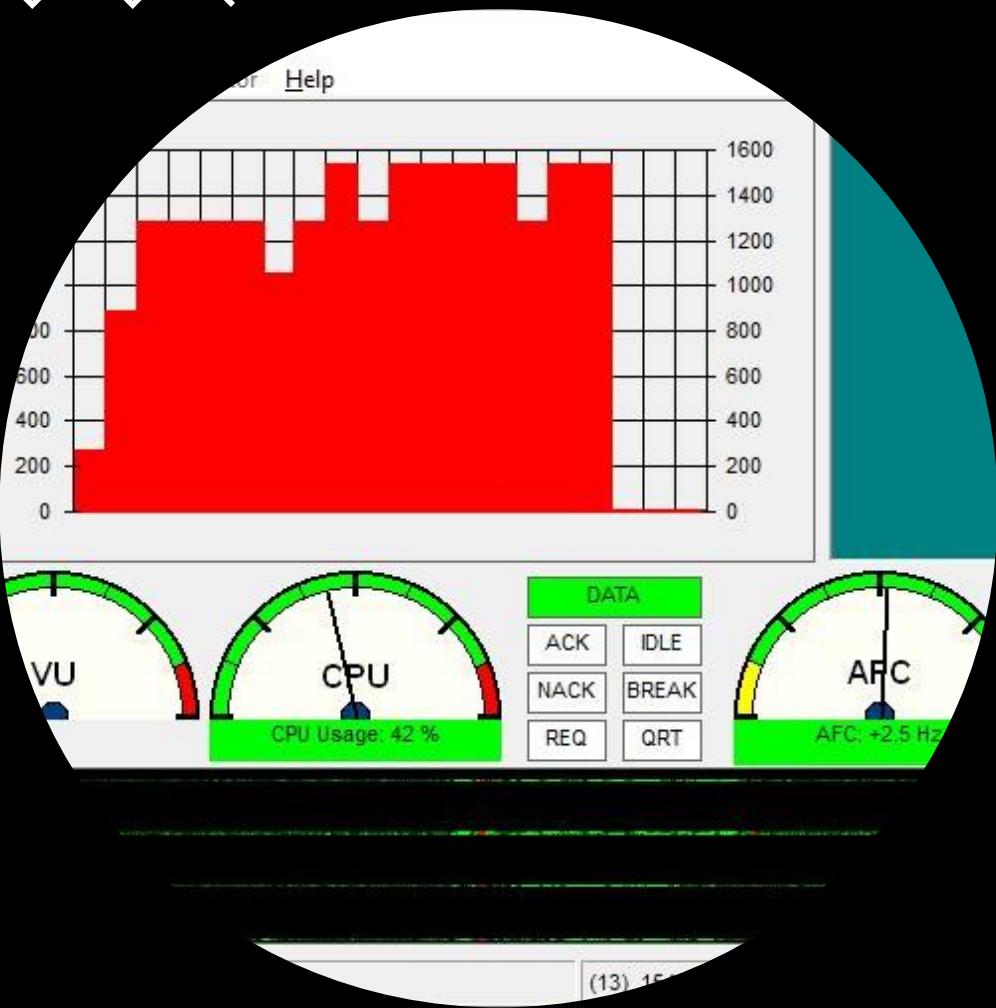


About SafecomLink

SafecomLink offers robust radio communication software, equipped with a diverse range of features tailored to support both routine daily operations and emergency communication requirements.



The VARA protocol



SafecomLink utilizes the advanced VARA protocol, renowned for its exceptional capabilities in delivering high-speed, error-free data transfer across HF/VHF/UHF frequencies.

The protocol exhibits resilience against challenging signal-to-noise ratios and ensures optimal performance even at low transmission power levels.

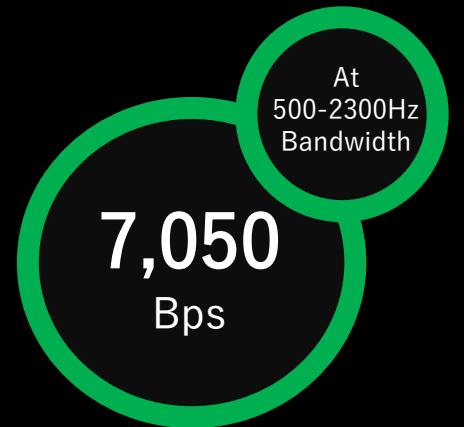


● SafecomLink performance

Unmatched performance within the industry



Well-received even
in harsh conditions
and low power



HF / Satellite
Top speed

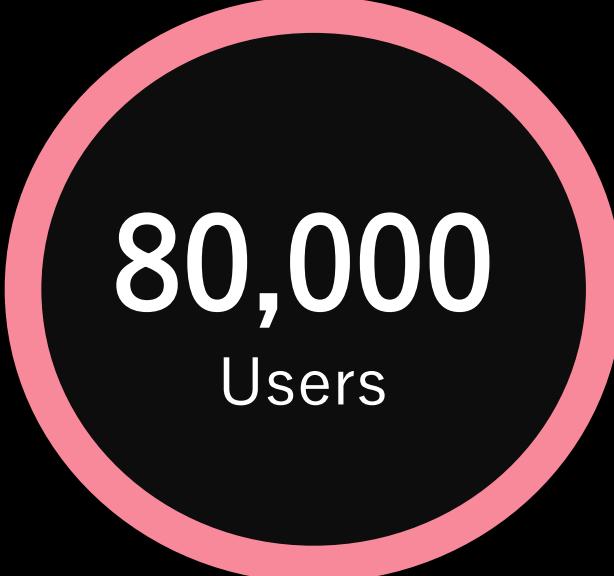


VHF/UHF
Top speed



● SafecomLink user base

SafecomLink stands as the premier emergency communication platform worldwide.



80,000
Users

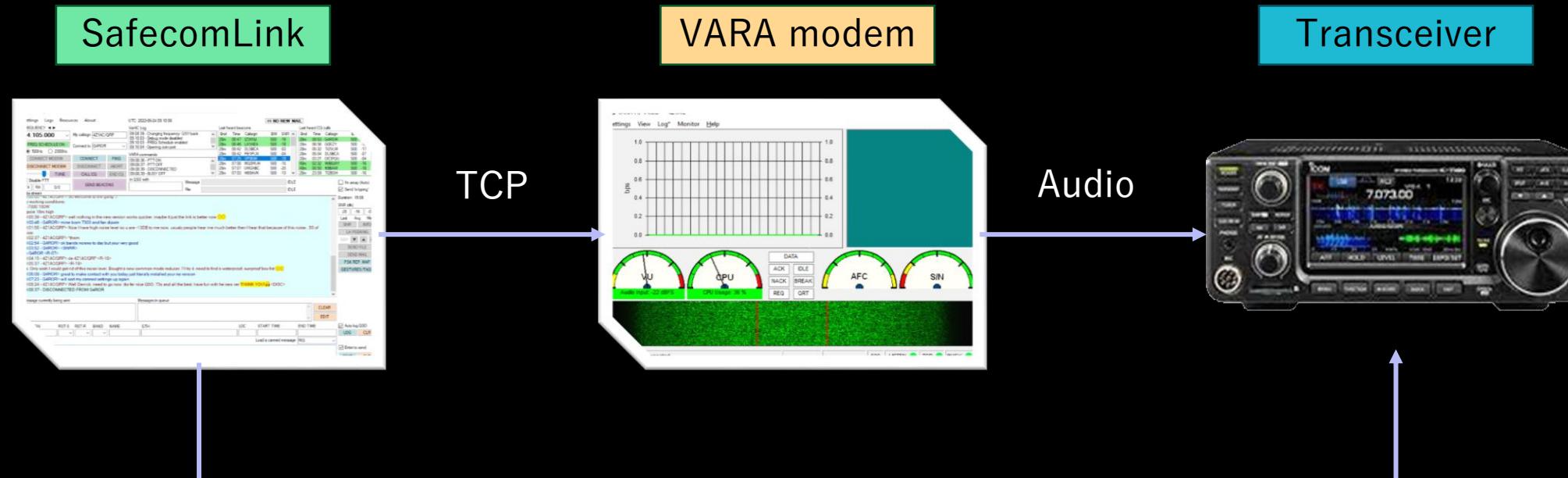
Widely used In over 100 countries by:

- Emergency communication agencies
- Crisis management agencies
- Amateur radio operators



SafecomLink Architecture

Simple and easily maintainable architectural design



PTT & Frequency control via CAT control



SafecomLink Transceiver Control

SafecomLink performs all necessary tasks to activate your transceiver. It supports multiple transceiver models and popular "bridge" software.

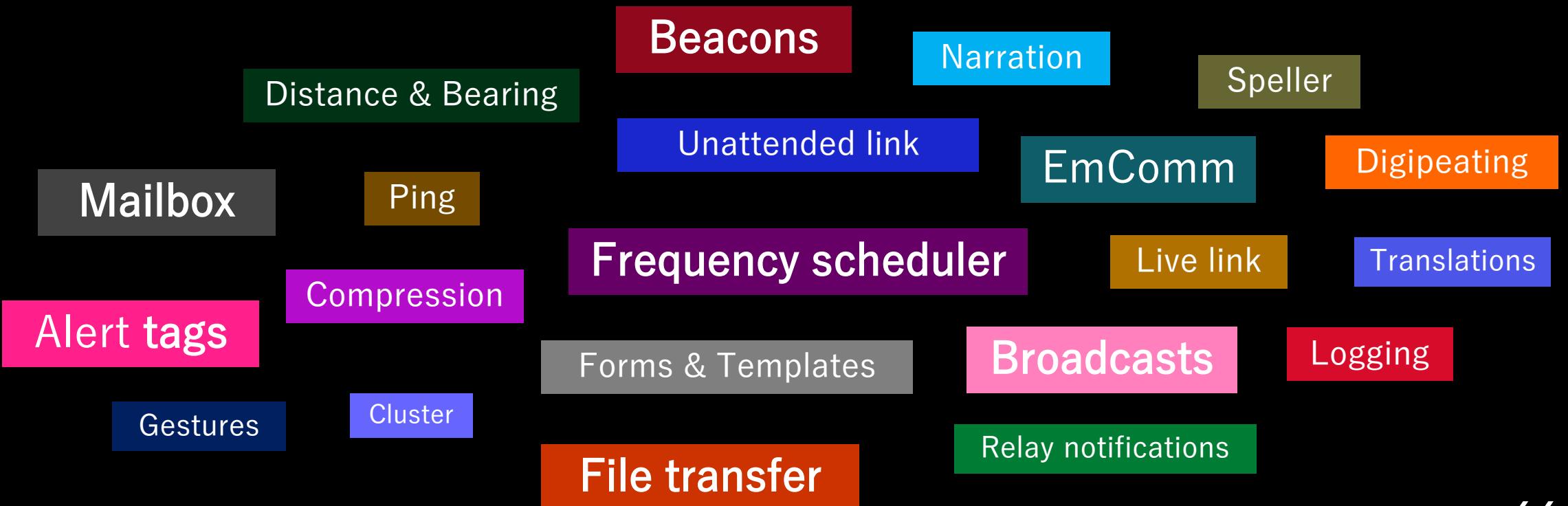
Supported Direct CAT control manufacturers:

- L3Harris
- Kenwood
- Icom
- Yaesu
- Elecraft
- Flexradio
- Apache labs
- Anytone
- Elad
- Tentec
- Xiegu
- SmartSDR
- QRP Labs
- Expert electronics
- Alinco
- And more...



● All-in-one solution

Everything you need, all in one place.





SafecomLink

Operational Mode





Daily Operations with SafecomLink

SafecomLink equips you with all the essentials to ensure prompt, reliable delivery of your messages, whether you're navigating the sea, traversing land, reaching remote regions, or soaring through the skies.



Daily operations features



Live Link – Connect and chat

Call-out – Request a Live Link

Email gateway – Send and receive internet Emails

AI Gateway – Use AI models through the radio

File server - Browsing and downloading files

Contact history – keeping track of every bit

VMail Box- Send & Receive mails

Automatic frequency change – for optimal link

File transfer – Including images

Profiles – Easy switch between different setups

Safelink Cluster – For cross-band operations

GPS integration - Reflect current location



Live Link

- IS TYPING indicator
- Multilingual
- Message queue
- Periodic Caller ID (to comply with local regulations)
- Emojis, tags, gestures & sounds
- Logging communication history
- Bidirectional SNR exchange
- Automatic logging
- Tracking SNR levels on a live graph

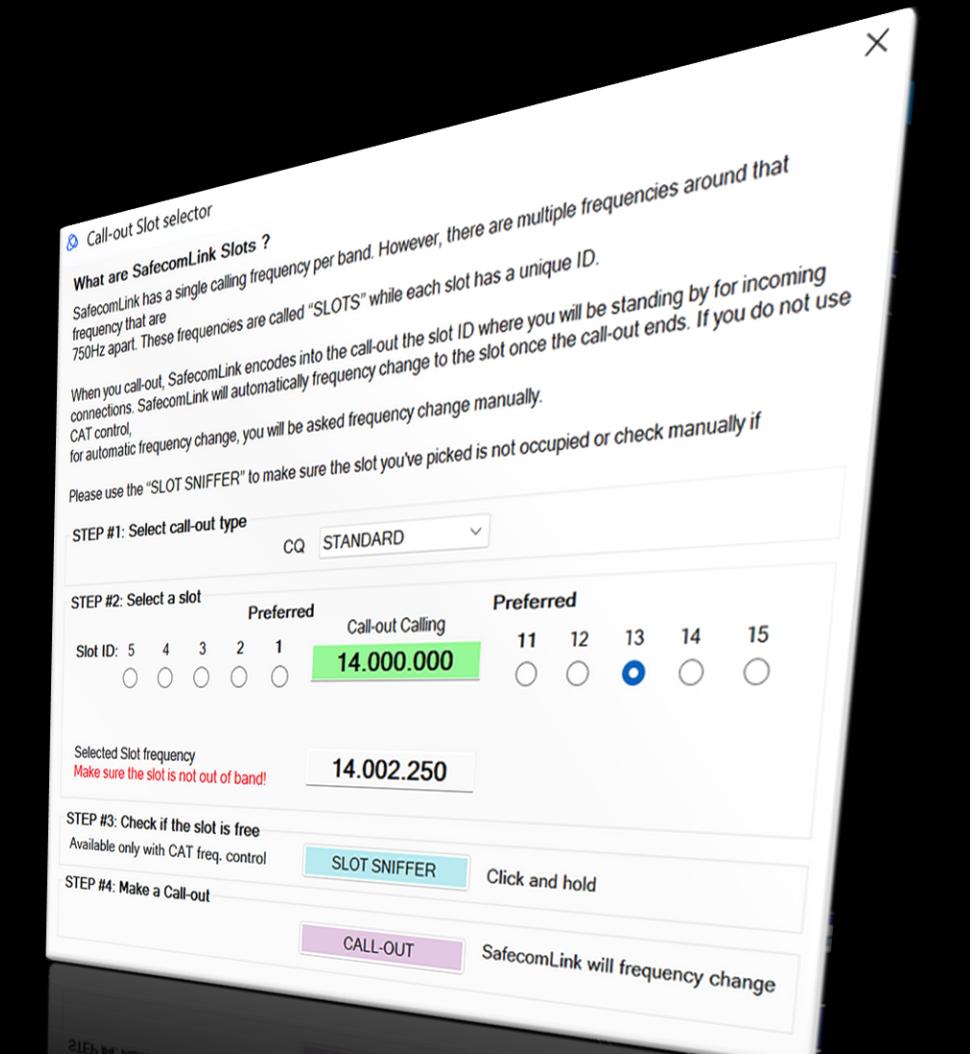
[Learn more](#)



Call-out

The Call-out feature is utilized to alert all receiving stations of your interest in initiating a Live Link.

- Customize the reason for your call-out to be included.
- Choose a destination frequency to accept the Live Link.
- Utilize the frequency sniffer to validate that the destination frequency is available.



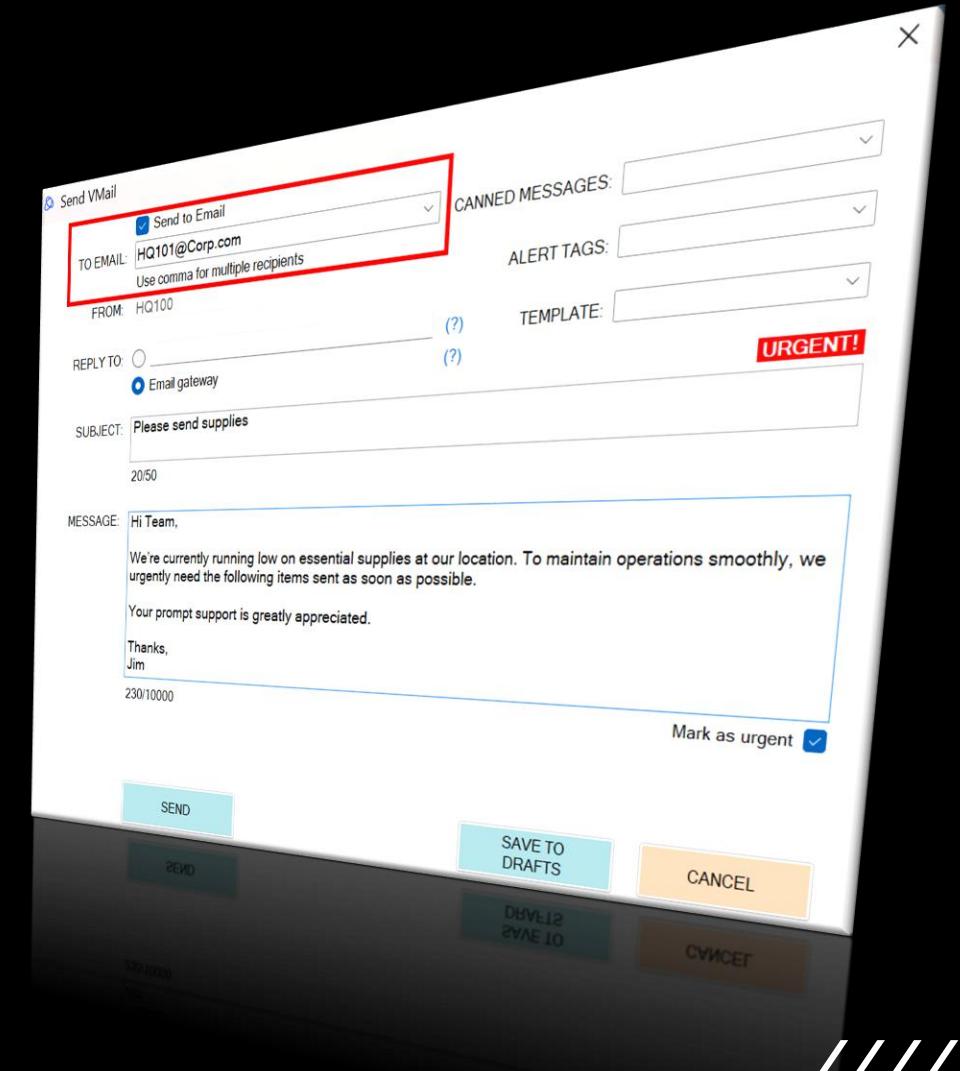
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Email gateway

Bridges radio and the internet, enabling reliable email communication when normal networks are down.

- Guaranteed Delivery: VMails are stored and automatically relayed when the station is reachable
- Receipt Confirmation: Positive delivery acknowledgment

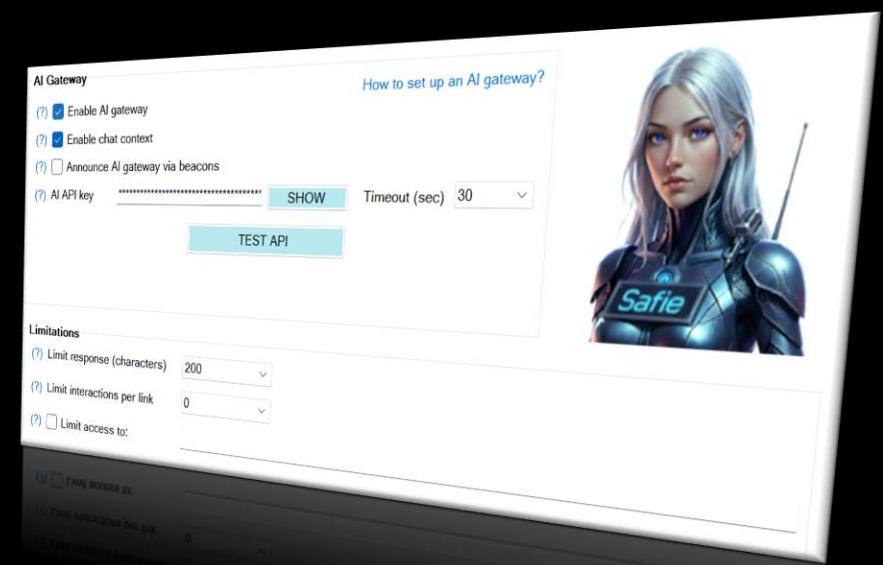
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AI gateway

Brings AI-powered knowledge to radio, delivering smart, low-bandwidth answers when the internet is unavailable.

- AI over Radio: Ask complex questions and receive concise, synthesized answers without web browsing
- Context-Aware Assistant: Safie tailors responses using station, location, and gear context
- Efficient & Controlled: Optimized for narrow bandwidth with operator-defined usage limits



[Learn more](#)

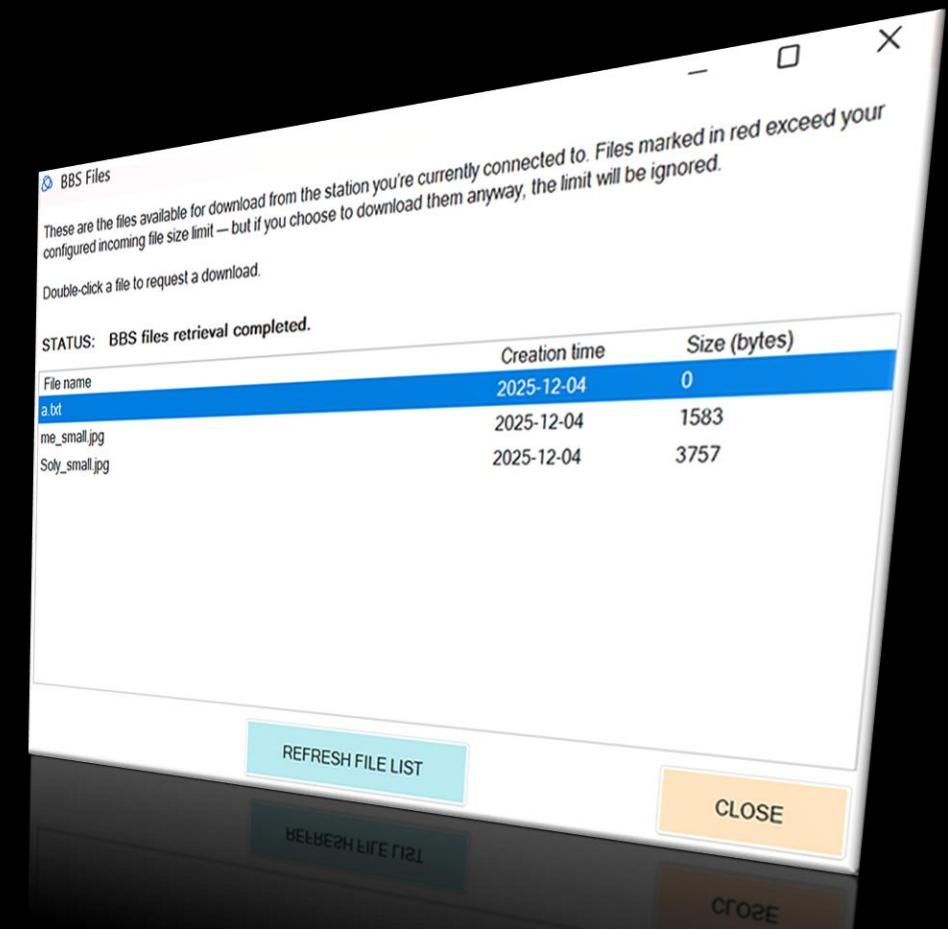


File server

Turns a SafecomLink node into an off-grid file server for real-time document and data sharing over radio.

- Shared Information Hub: Distribute documents, forms, images, and tools with no internet
- Live Browsing & Download: Connected stations see and fetch files instantly
- Any File, Direct Link: Supports all file types, transferred securely over radio

[Learn more](#)

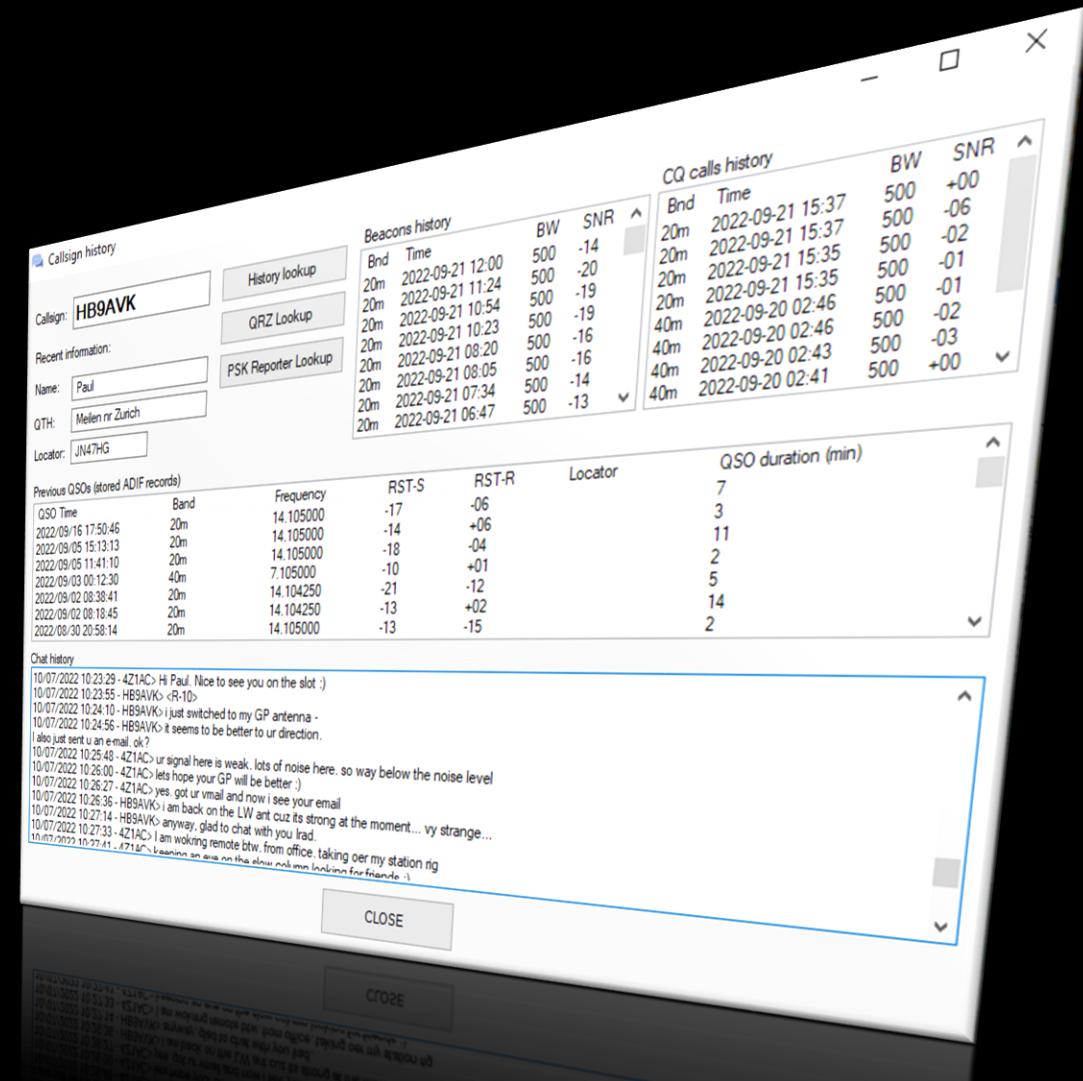


Links Logging

Manage all contact data, which includes:

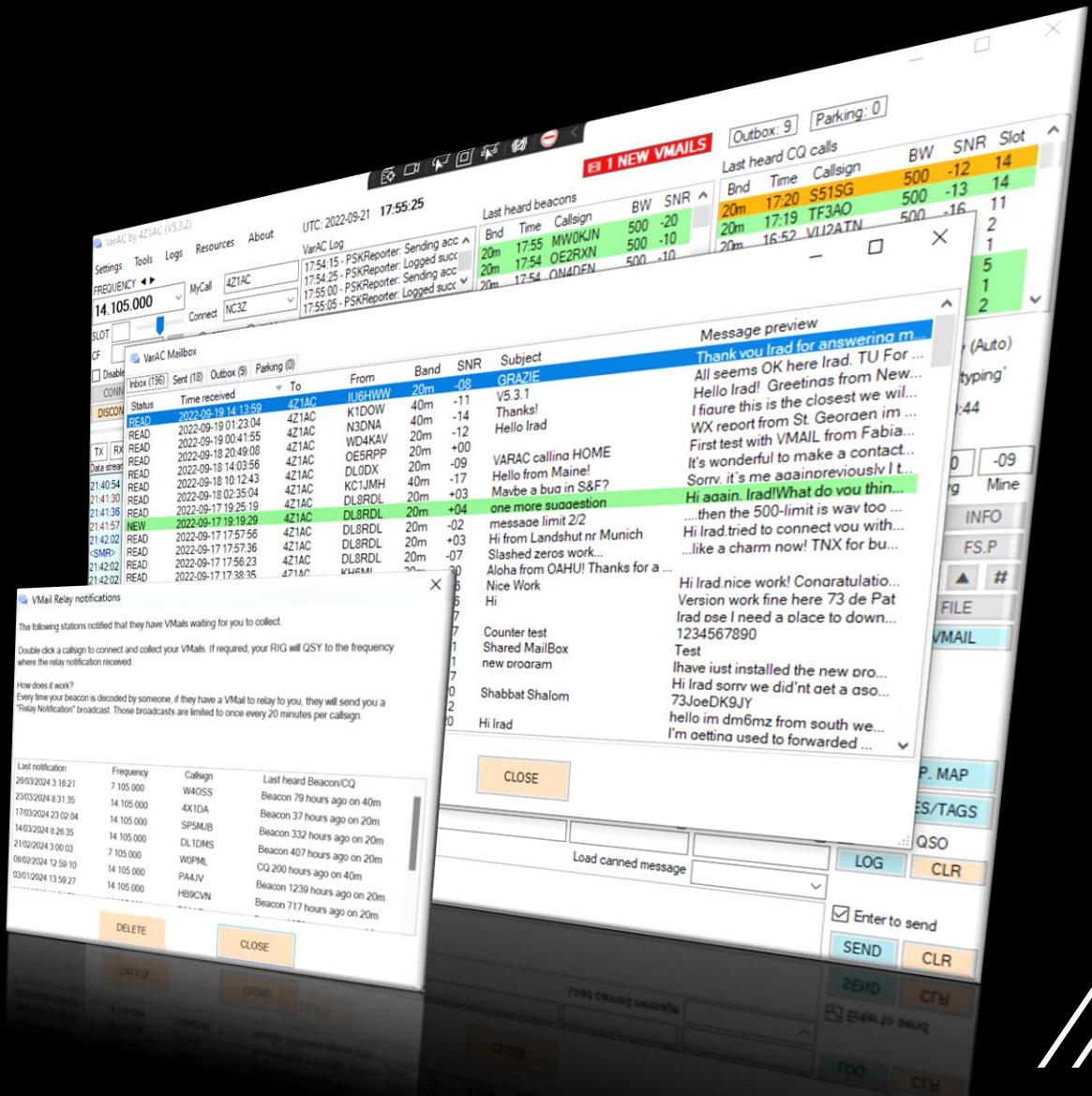
- Metadata from previous links
- Live link chat history
- Broadcasts
- Beacons and Call-outs

[Learn more](#)



VMailBox

- VMails left for unattended stations
- Relaying VMails to a third party through a mediator
- Relay notifications - receive alerts about pending VMail
- Queueing VMails for delayed delivery



[Learn more](#)

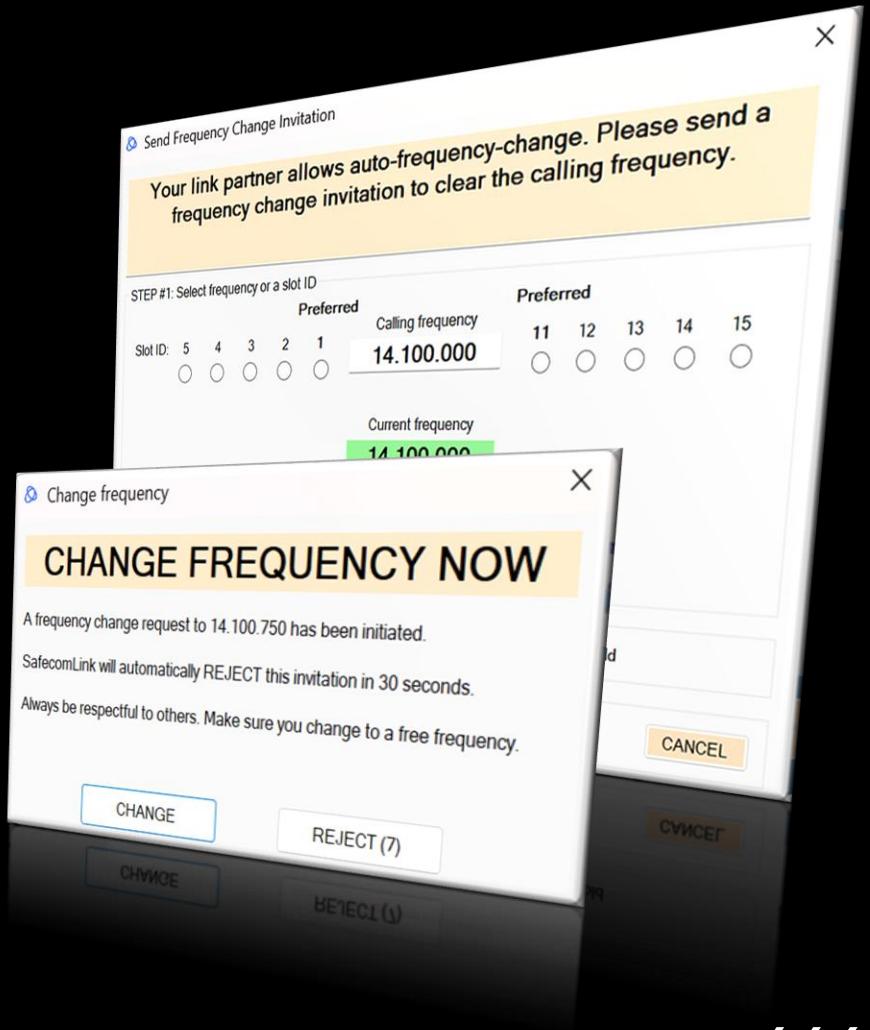
Automatic Frequency Change

- Smooth transition to another frequency during an ongoing link
- Clearing a shared calling frequency once a link is established
- Hop sniffer: ensuring the target frequency is available

Two types of hops:

- Quick hop - shifts up or down a slot (default is 750Hz)
- Freeform hop - allows selection of a frequency

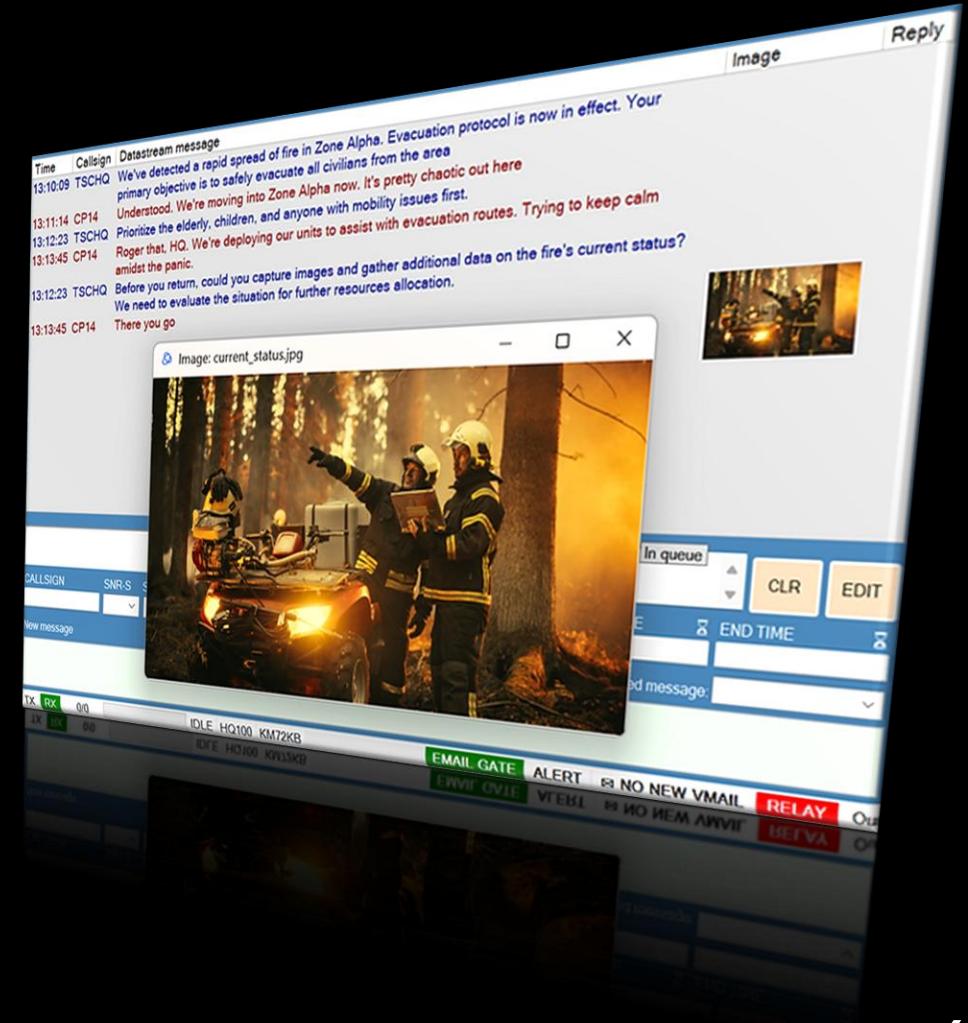
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● File / Image transfer

- Sending/receiving binary files of any type
- Displaying images (PNG/JPG/GIF) in the live-link stream
- Performing file compression
- Enforcing incoming file size limits

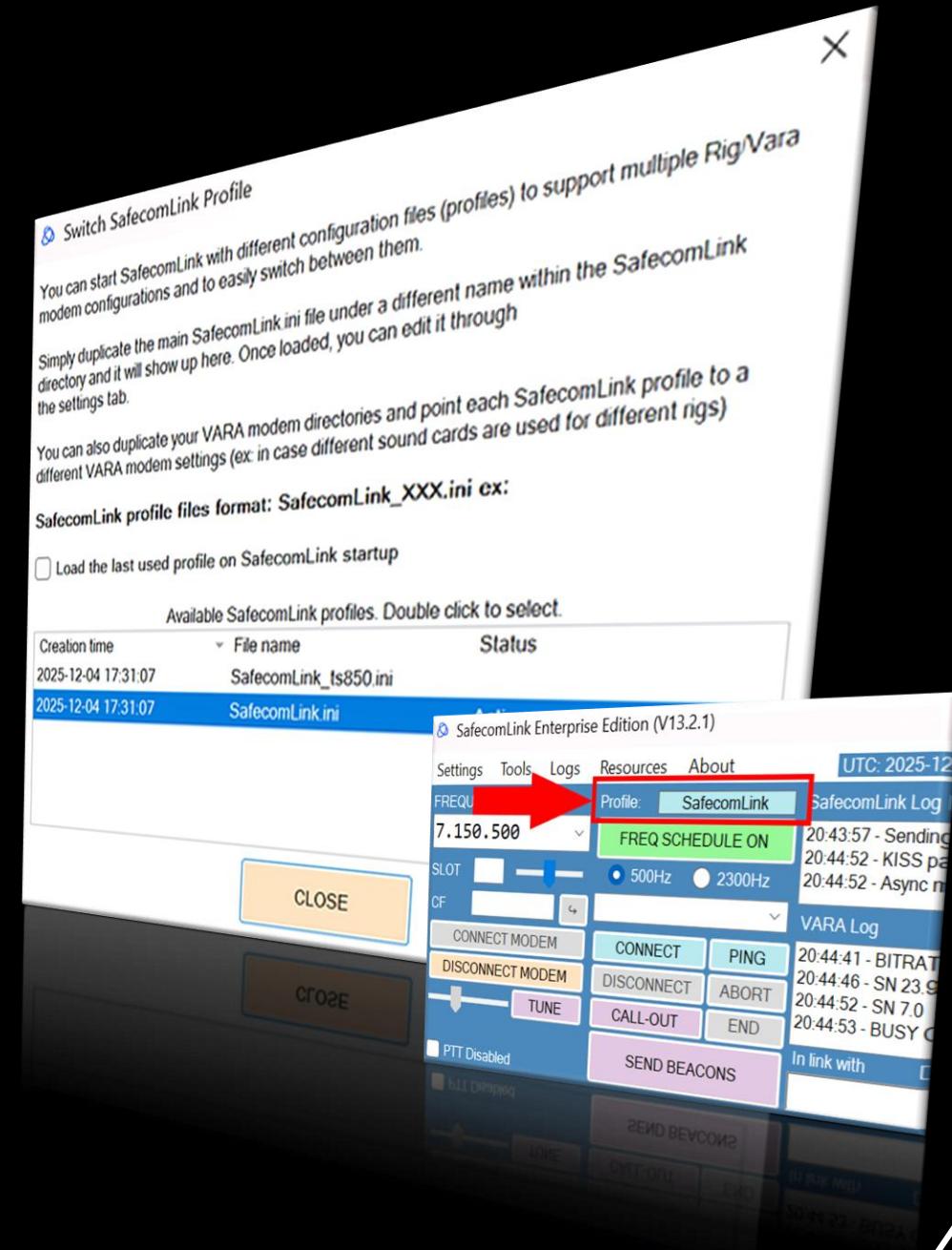
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Profiles

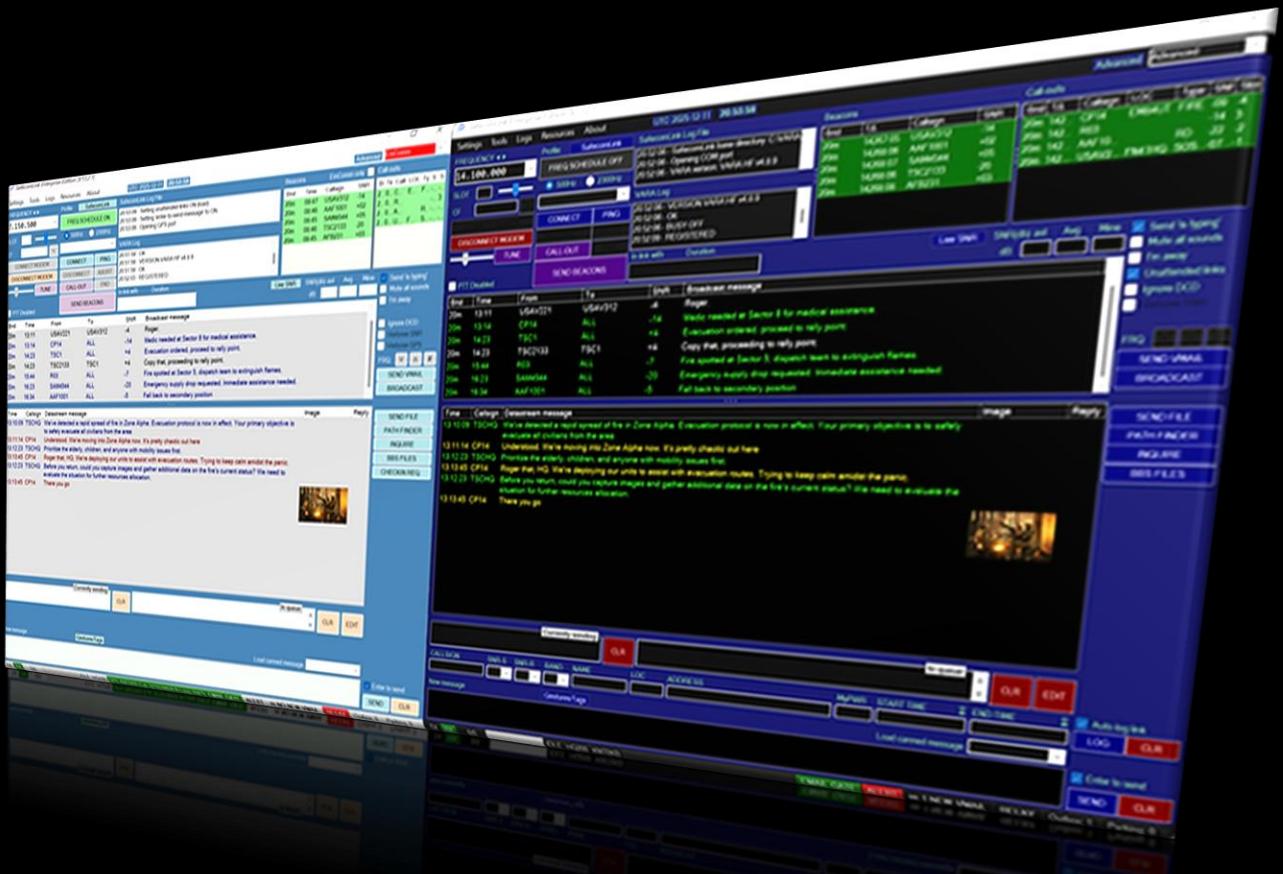
- Supporting multiple transceivers/setups
- Quickly switching between profiles

[Learn more](#)



SafecomLink Cluster

- Operate multiple profiles from a single installation.
- Manage multiple transceivers simultaneously.
- SafecomLink resources will be shared among all instances, including mailbox and alerts.
- Ideal for cross-band VMail relays.

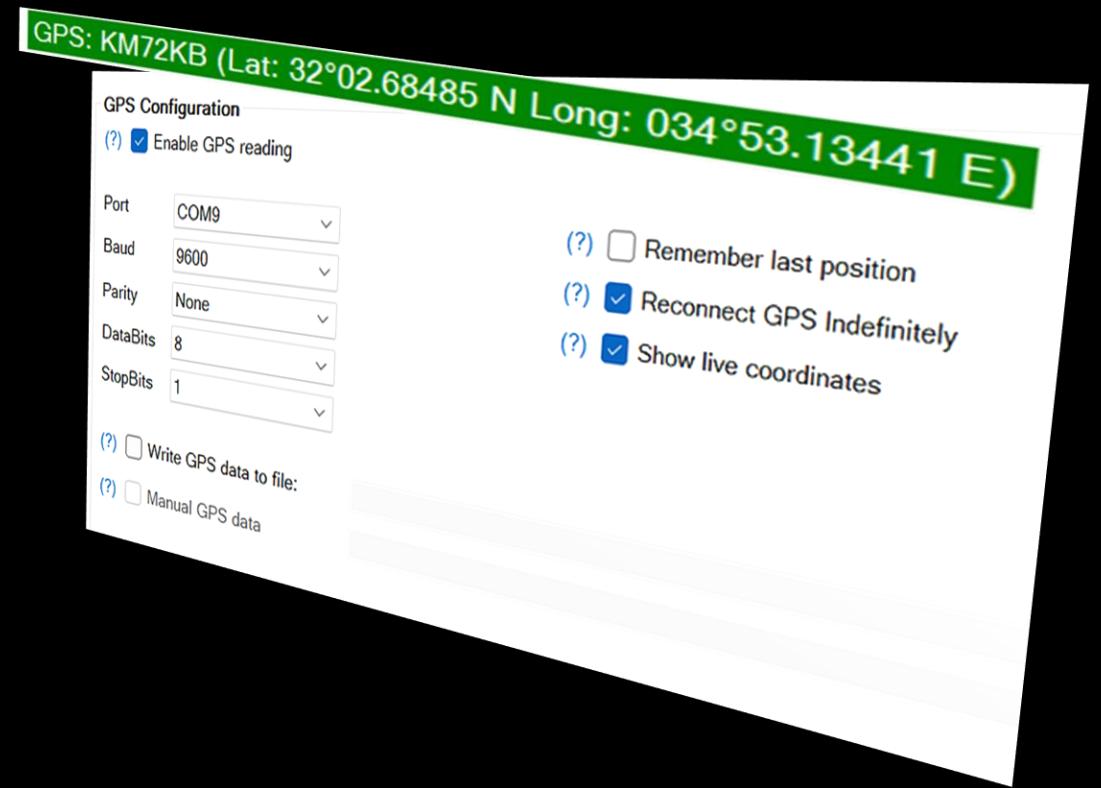


[Learn more](#)

● SafecomLink GPS integration

- Works with typical NMEA GPS devices
- Instantly fills in your Grid location
- Remembers your last position when starting up
- Shares location effortlessly with preset message tags

[Learn more](#)



● Additional features

- Listening mode (PTT disabled)
- Customization of appearance (font size and colors), including dark mode
- Blocking list
- Pings for link validation testing
- Away status (automatically toggled when unattended)
- Displaying link distance and bearing
- Speller (English only)
- Real-time narrations (messages, alerts, beacons, call-outs, broadcasts...)





SafecomLink

Emergency Communication Mode





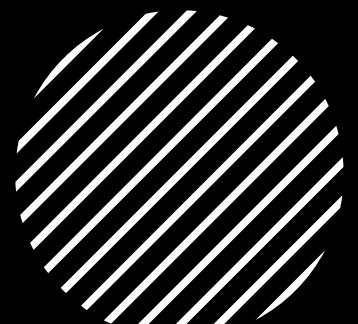
Emergency communications with SafecomLink

When confronted with a crisis, SafecomLink stands as the sole platform offering a complete and all-encompassing emergency communications solution.





EmComm Key features



Broadcast: a one-to-many messaging system

Beacons: keeping track of EmComm stations

Check-ins: See who is currently available

Alert tags: real-time alerts (with visual and sound)

Digipeating: for extended reach

Forms: standardized emergency messages

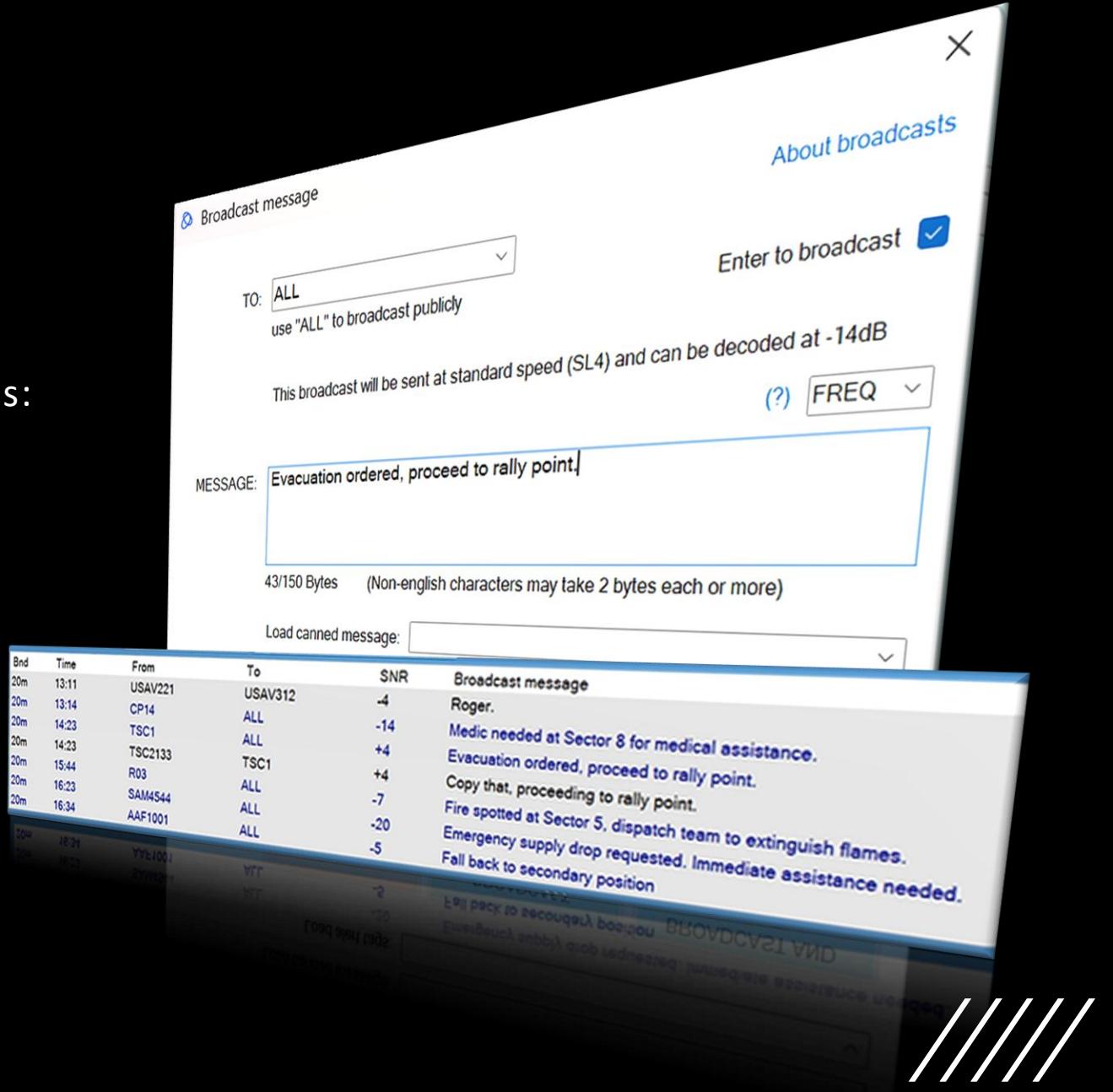
Frequency scheduler: optimal message delivery 24/7

Broadcasts

Broadcasts consist of asynchronous message packets:

- Sending alerts to multiple destinations at once
- Adapting speed levels for optimal delivery
- Utilizing predefined messages/alerts

[Learn more](#)



Beacons

Beacons are transmissions sent periodically at fixed intervals.

- They indicate your availability status to others
- See who else from your team is available
- Used to assess EmComm station propagation
- Beacon intervals can be customized

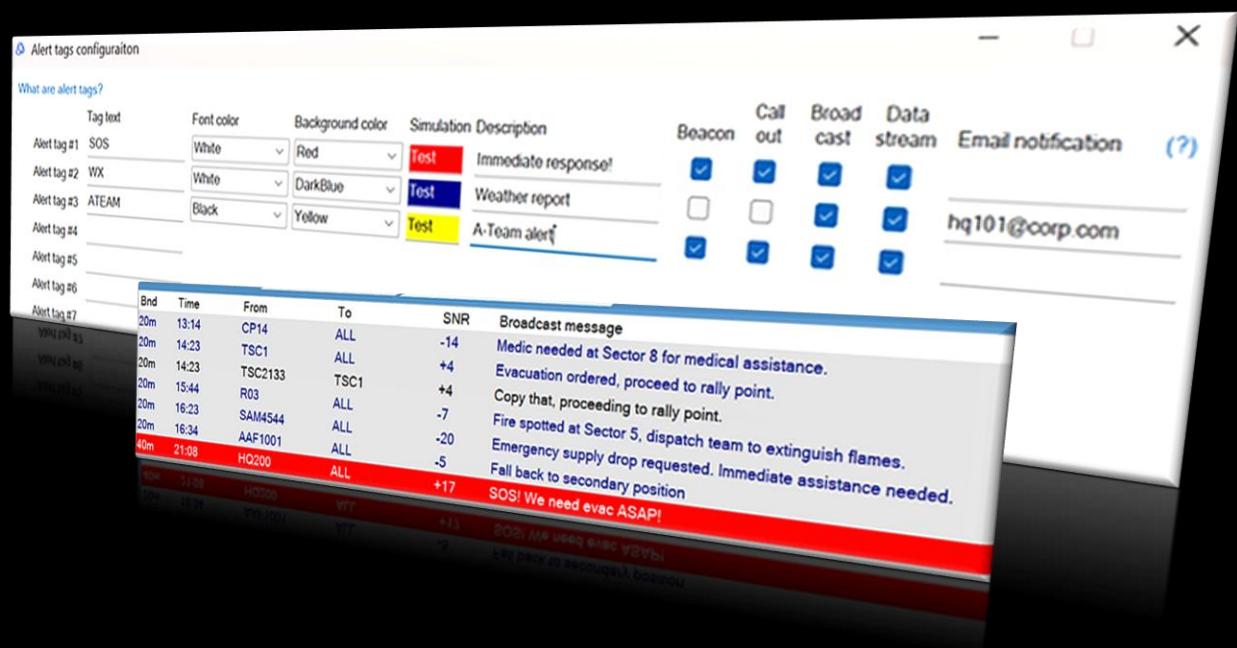
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● Alert Center & Alert tags

Alert tags are pre-defined strings that generate visual and sound alerts upon reception.

- Sent in one-to-one or one-to-many formats
- Customized tracking is available for Beacons, Call-outs, Broadcasts, and Chat
- Alert visualization can be customized
- Easily distribute the alert tag dictionary among EmComm group operators



Learn more

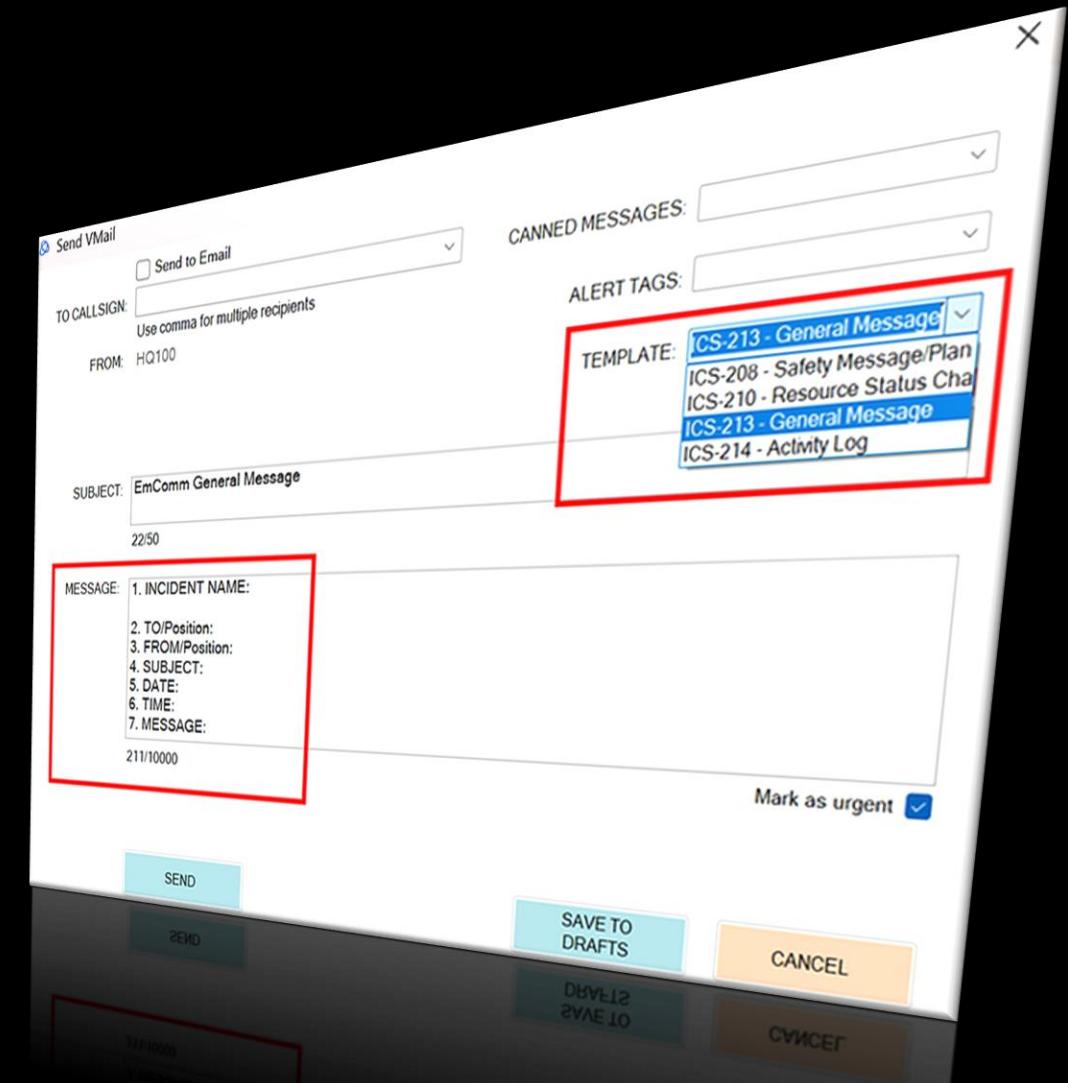


Forms & Templates

SafecomLink includes standard predefined EmComm message templates (ICS standard).

- Create your own templates.
- Send prewritten messages with keyboard shortcuts.

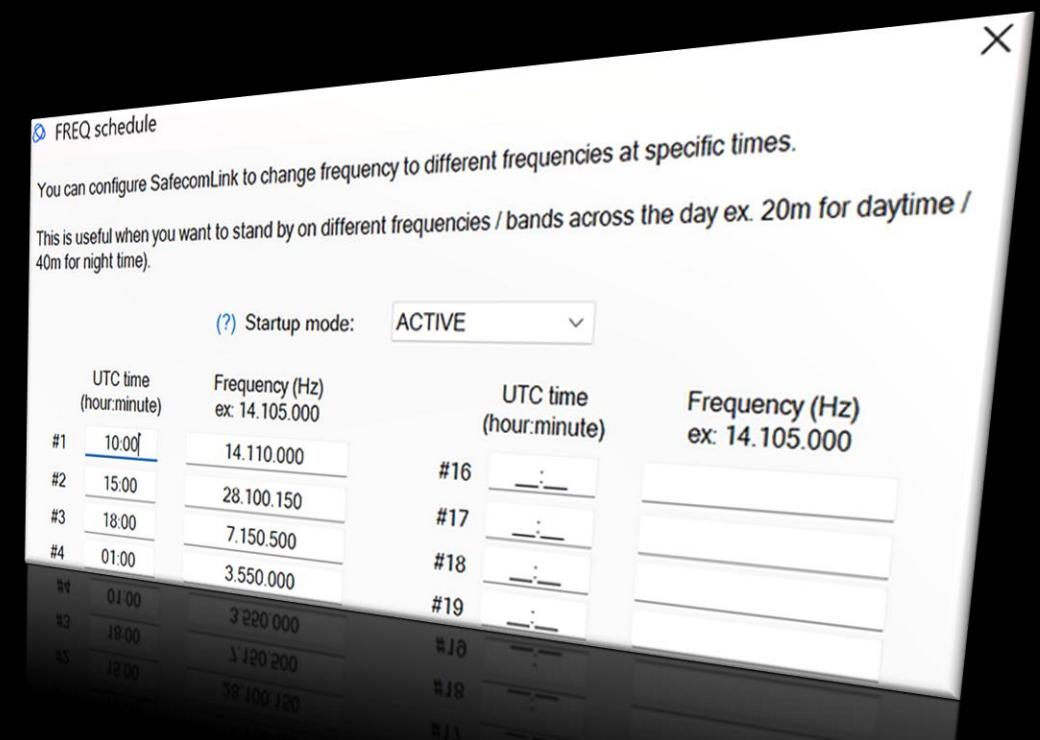
[Learn more](#)



Frequency scheduler

- Automatically switch frequencies or bands as needed.
- Maintain contact with your EmComm stations around the clock.
- Support up to 10 schedules.

[Learn more](#)



● Available packages

Standard	Professional	Enterprise
For individuals.	Small organizations	Large organizations, Armed forces & Emergency agencies.
<ul style="list-style-type: none">• Live Link (Real-time Chat)• Automatic frequency change• Beacons• Radio control (Direct Cat Only)• Logging• Receiving call-outs• Receiving Broadcasts• EmComm Mode• Ping• Multilingual & Speller• Narration• Duplicating• Unattended Links• UI Customization• Gestures• Free updates once a year	<p>Standard plus:</p> <ul style="list-style-type: none">• Sending Call-outs• Broadcast (Sending)• VMails (MailBox)• VMail relay notification• Frequency scheduler• File/Image transfer• Alert Center & Alert Tags• Radio control (Full)• Callsign tags• GPS integration	<p>Professional plus:</p> <ul style="list-style-type: none">• Message templates• Path finder• Image compression• Link performance analyzer• Setup profiles• External Loggers• Email gateway• AI gateway• BBS (File server)• Application launcher• Cluster





Thank you

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SAFECOMLINK DELIVERS

