



VarAC

HF Chat reinvented

EmComm features overview

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The screenshot displays the VarAC (V4.1.6) software interface. The top section shows settings for frequency (14.105.000) and call sign (4Z1AC/GRP). Below this is a 'VarAC Log' section with a table of events:

Time	Event
09:08:39	Changing frequency: QSY back
09:10:03	Debug mode disabled
09:10:03	FREQ Schedule enabled
09:10:04	Opening com port
09:08:36	PTT ON
09:08:37	PTT OFF
09:08:39	DISCONNECTED
09:08:39	BUSY OFF

The 'Last heard beacons' table shows:

Brnd	Time	Callign	BW	SNR
20m	08:47	I23XUJ	500	-19
20m	08:46	L41AEA	500	-18
20m	08:42	DL5BCA	500	-03
20m	08:42	PE1PUX	500	-04
20m	07:25	VPSNAM	500	-19
20m	07:08	MG0RUH	500	-15
20m	07:07	OM2ABC	500	-20
20m	07:03	H8SAVK	500	-13

The chat window shows a conversation with G4ROR. The interface also includes a 'Data stream' section, a 'Message' field, and various control buttons like 'CONNECT MODEM', 'DISCONNECT MODEM', 'TUNE', 'SEND BEACONS', and 'SEND MAIL'.



VarAC

Emergency Communication Mode





Emergency communications with VarAC

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





EmComm Key features

Broadcast: a one-to-many messaging system

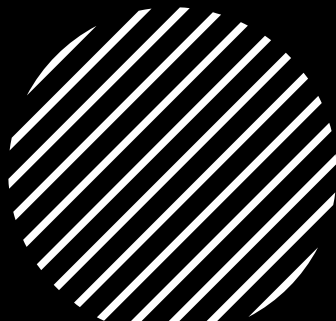
Beacons: keeping track of EmComm stations

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

Digipeating: for extended reach

Forms: standardized emergency messages

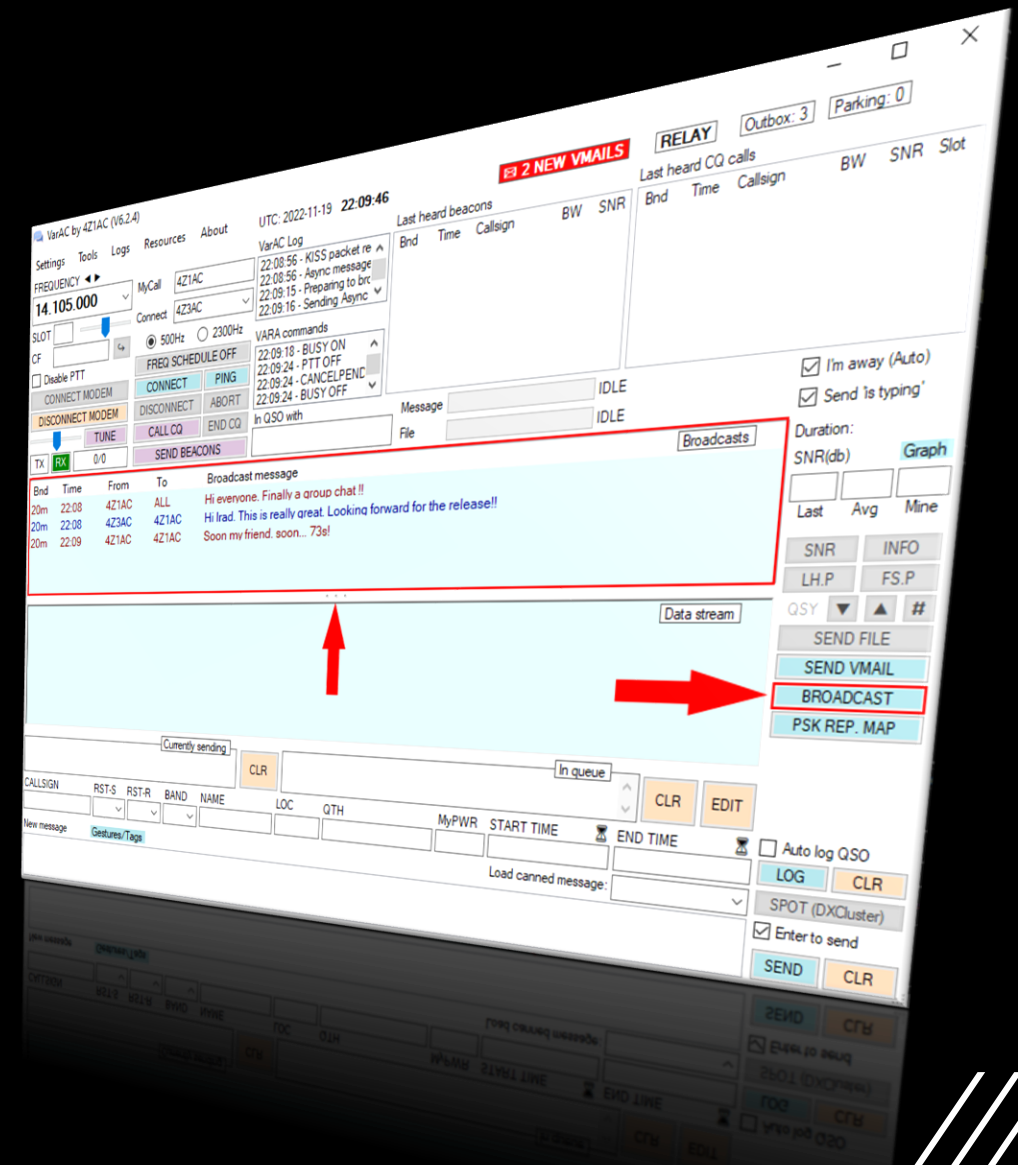
Frequency scheduler: optimal message delivery 24/7



Broadcasts

Broadcasts consist of asynchronous message packets:

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



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

The screenshot displays the VarAC software interface. At the top, it shows 'UTC: 2022-09-20 22:16:26'. Below this, there are several panels. On the left, a 'Last heard beacons' table lists stations with their Bandwidth (BW) and Signal-to-Noise Ratio (SNR). On the right, a 'Last heard CQ calls' table lists stations with their Bandwidth (BW), SNR, and Slot. Below these tables are various control panels, including a 'SEND BEACONS' button and a 'SEND VMAIL' button.

Bnd	Time	Callsign	BW	SNR
20m	22:13	W4RJG	500	-16
20m	22:13	K1DOW	500	-09
20m	22:08	SA7FKR	500	-17
20m	22:04	N2SCD	500	-21
20m	22:01	NC3Z	500	-05
20m	21:39	M0SUY	500	-22
20m	21:02	SM7DUZ	500	-16
20m	20:55	DB2LP	500	-16

Bnd	Time	Callsign	BW	SNR	Slot
20m	22:02	MW0KJN	500	-19	3
20m	21:06	CO2DC	500	-19	1
20m	20:50	DB2LP	500	-11	1
20m	20:47	DL5FCF	500	-17	1
20m	19:53	DL1ARS	500	-11	1
20m	19:15	EA4GDK	500	-11	1
20m	19:06	S51SG	500	-14	12
20m	18:56	LA7GM	500	-06	4



Alert Center & Alert tags

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

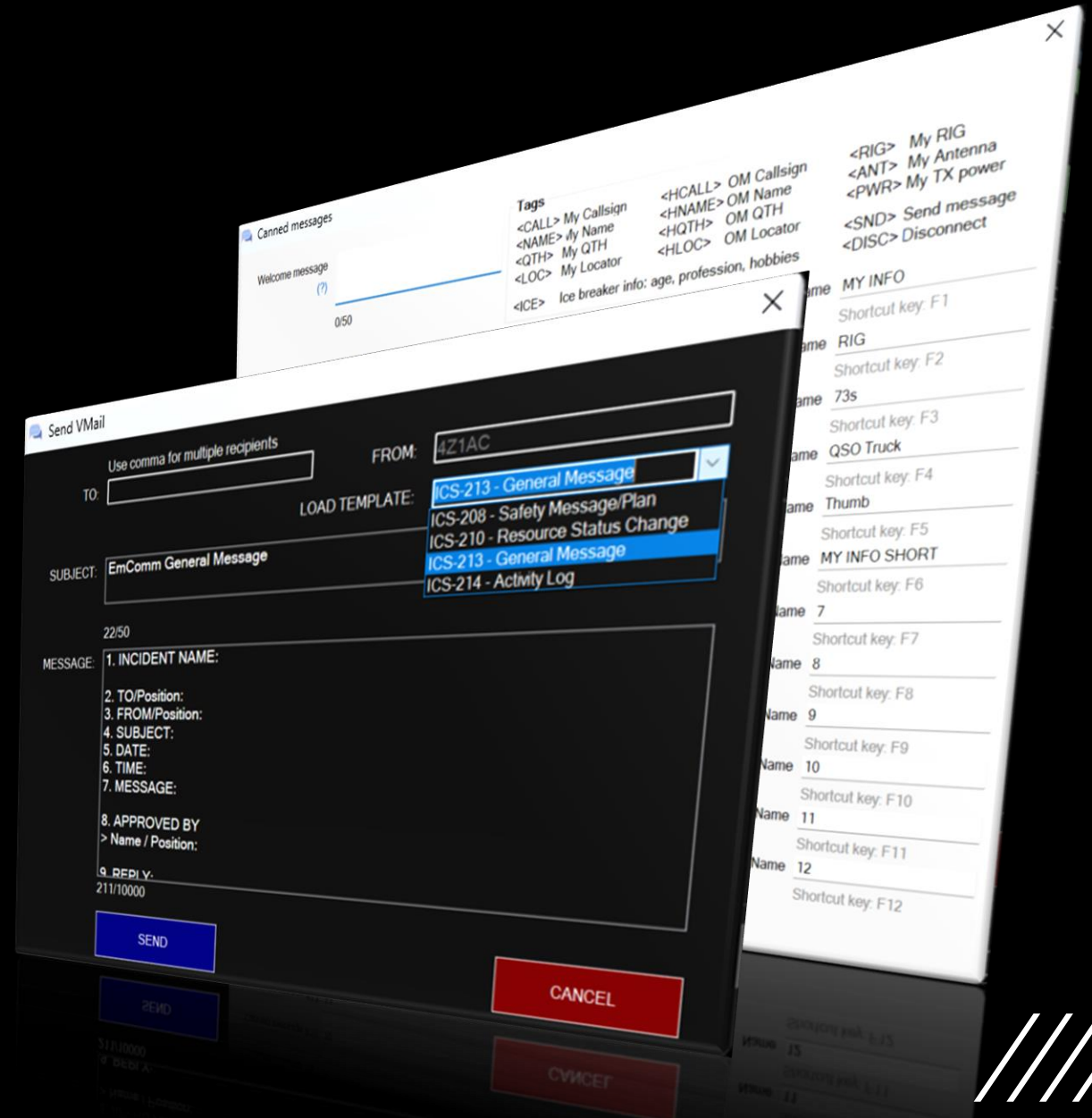
- Sent in one-to-one or one-to-many formats
- Customized tracking is available for Beacons, CQ, Broadcasts, and Chat
- Alert visualization can be customized
- Easily distribute the alert tag dictionary among EmComm group operators



Forms & Templates

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

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



● Frequency scheduler

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



Thank you
Q&A



<https://www.varac-hamradio.com/>