



VarAC: The ultimate EmComm data platform for the amateur radio operator

designed for individuals and EmComm teams that need to exchange data over HF/VHF/UHF no matter where they are

When everything fails, VarAC delivers

At a glance

VarAC for EmComm: Reliable data communication over HF/VHF/UHF for critical situations and remote operations, ensuring connectivity when other systems fail.

Key metrics

VarAC designed to deliver fast and reliable data exchange.



60,000 users

Widely used by hams and EmComm teams



QRP by design

Efficient power use, long-lasting operation.



100+

transceivers supported from top-tier brands



Up to
25,210 Bps

Incredibly fast, with narrow bandwidth



-22dB Noise

Penetrating the harshest noise floor levels

CHALLENGES

Reliable communication is crucial when traditional networks fail, such as in remote areas, at sea, or in the air. Crises, harsh environments, limited power, and the complexity of deploying traditional systems further complicate the issue. Overcoming the challenges of long-distance radio communication is essential to ensure dependable connectivity.

SOLUTIONS

VarAC provides a grid-independent communication platform using HF/VHF/UHF frequencies, ensuring connectivity when networks fail. Designed for harsh environments, it operates efficiently with low power and simple setup. With fast data transfer, guaranteed delivery, VarAC ensures reliable, easy-to-deploy communication.



EmComm mode



Internet gateway



Real-time chat

BENEFITS

1

Reliable, resilient and lightning fast

Leveraging an ARQ radio data technique for guaranteed data delivery with adaptive speed that easily adjusts to radio propagation, ensuring reliable transmission even through noise — all while using simple rigs and low power.

2

Feature-rich for modern communication

VarAC is revolutionizing communication by going beyond just text. It's about sharing files, images, emails, sounds, and more. It supports all data types, providing a comprehensive solution for real-time, rich communication.

3

Emergency communication (EmComm) mode

VarAC is crafted as the ultimate EmComm platform. It supports GPS data, team communication, digipeating, check-ins, EmComm message templates, and more — ensuring your team stays focused on the crisis at hand.



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www.varac-hamradio.com/emcomm