



E-mail with or without the Internet



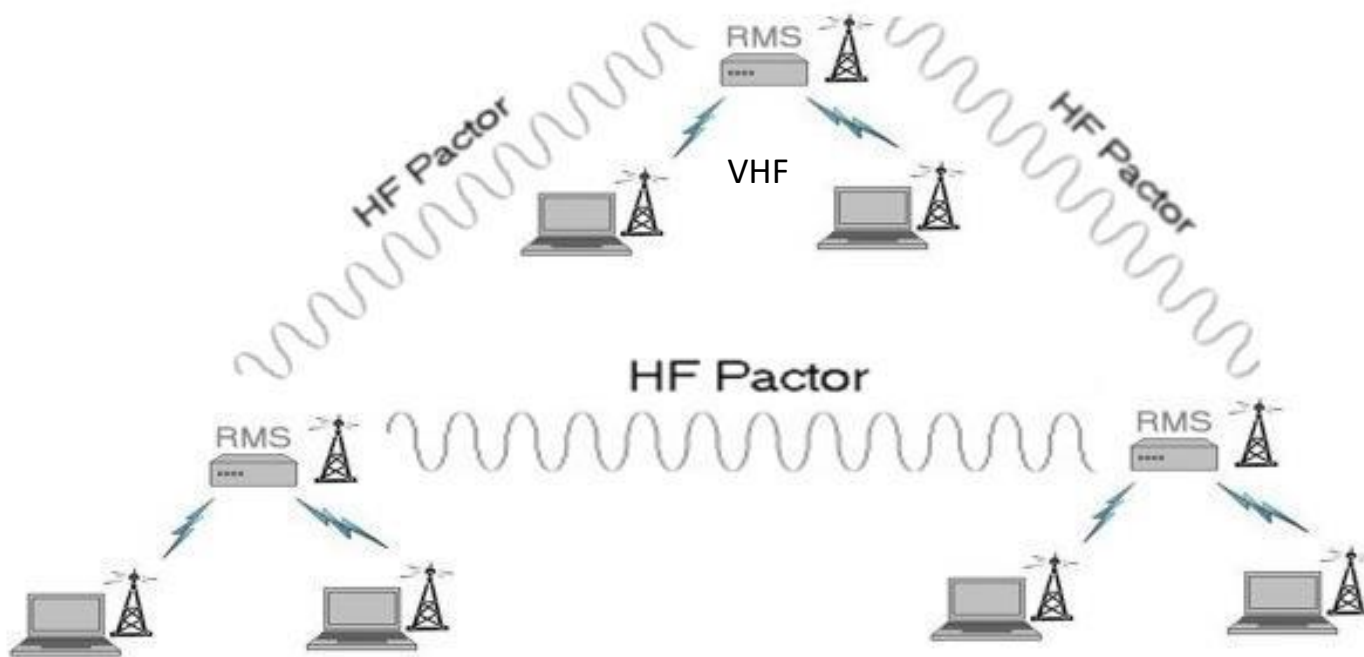
## E-mail with or without the Internet

- Worldwide system for sending e-mail via radio
- Provides e-mail from almost anywhere in the world.
- Provides vital support for 10,000+ sailors
- Adopted for contingency communication by many government agencies
- Used by infrastructure-critical NGOs such as International & American Red Cross, Southern Baptist Disaster Relief, DHS Tiered AT&T Disaster Response & Recovery, FedEx, Bridgestone Emergency Response Team, etc.





# E-mail with or without the Internet





# What Winlink offers for EmComm

- **Flexibility**
  - Internet-only (Telnet) direct connections to Winlink.
  - Radio link bridge to Internet e-mail
  - Radio-only store and forward messaging
  - Peer-to-peer connections between radio end-users
  - Various levels of security including message encryption
  - 100% accurate transmissions
  - Interoperability: Connect different types of systems
- **Bridge different radio capabilities (VHF/UHF/HF)**
  - Bridge protocols: Pactor, Winmor, Packet
  - Seamless integration with Internet e-mail
- **Geographical dispersion and redundancy for reliability**



## Handy with Sound Card Interface

- Signalink External Soundcard Interface
- External Signalink soundcard costs about \$100 and works well for all digital modes.
- Connect to computer via USB and radio data port.
- Required for VARA modes.





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Winlink Express 1.7.9.0 - WB5L/W

WB5L Settings Message Attachments Move To: Saved Items Delete Open Session: Telnet Winlink Logs Help

In Telnet Winlink session.

System Folders	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
Inbox (0 unread)	2023/09/07 17:07	VZ5B4G5YC5CQ	1904	NA0D	NA0D	WB5L...	Re:NW Arkansas Winlink Gateways
Read Items (1)	2023/09/07 03:11	R2MRFOVIQUJ1	269	N5PZ	N5PZ	WB5L	Great job on the NET!
Outbox (0)	2023/08/29 20:07	472IN9XWLF0I	701	NA0D	NA0D	WB5L...	NW Arkansas Winlink Gateways
Sent Items (2)	2023/08/23 12:20	YGKRYEDA0RI7	916	N5PZ	N5PZ	WB5L	N5PZ VARA FM & Packet Winlink Gateways
Saved Items (0)	2022/05/31 20:39	51BXKOVXX3GC	428	KB5LZK	KB5LZK	WB5L	ACK: WX Report 32 Kirkcolom Drive, Bell...

Message ID: VZ5B4G5YC5CQ  
 Date: 2023/09/07 17:07  
 From: NA0D  
 To: WB5L; K5SAW  
 Source: NA0D  
 Downloaded-from: Telnet:cms.winlink.org  
 Location: 35.854167N, 94.125000W (GRID SQUARE)  
 Subject: Re:NW Arkansas Winlink Gateways

Hi, Glenn and thanks! I uiderstand about the sites; we're all holding our breath to make sure that everything stays Okay.

So between the three of us, hopefully the NWA is now VHF covered and we can get more involved to be able to send data. Next is HF haha.

We'll be finally heading to Mountain Home probably by October but I will head over here and there and visit for things. Have a lot of Emcomm to do still and that job hasn't changed.

I would like to attend the Winlink training session for BVRC and will most likely be there. Winlink has become something that really dirives me, so I really hope we can set up (at least in our Northwest Division) something special..I'd love to come and will be there. Let me know when they get you all on the schedule.

We are in very good hands in NWA. I really appreciate you both and of course anything I can do to help please ask.

73 and thanks again!

Chris, NA0D

Telnet Winlink Session

Exit Settings Start Stop Time to next Autoconnect = Disabled

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CMS>
:FW: WB5L
:RMS Express-1.7.9.0-B2FHMs
:PR: 74625800
:WLZK DE WB5L/W (EM26TK)
:FF
:PM: WB5L R2MRFOVIQUJ1 258 N5PZ@winlink.org Great job on the NET!
:PM: WB5L VZ5B4G5YC5CQ 1876 NA0D@winlink.org Re:NW Arkansas Winlink Gateways
:FC EM R2MRFOVIQUJ1 307 258 0
:FC EM VZ5B4G5YC5CQ 3358 1876 0
F> 99
FS YY
*** Receiving R2MRFOVIQUJ1
*** R2MRFOVIQUJ1 - 265/239 bytes received
*** Bytes: 290, Time: 00:00, bytes/minute: 25898
*** Receiving VZ5B4G5YC5CQ
*** VZ5B4G5YC5CQ - 3316/1850 bytes received
*** Bytes: 1930, Time: 00:00, bytes/minute: 1235589
:FF
:FQ
*** --- End of session with WLZK at 2023/09/07 21:42:52 ---
*** Messages sent: 0, Total bytes sent: 0, Time: 00:02, bytes/minute: 0
*** Messages Received: 2, Total bytes received: 2220, Total session time: 00:02, bytes/minute: 45523
*** Disconnected at 2023/09/07 21:42:52
  
```



# General Questions about Winlink

How do you suggest that I learn about Winlink; and solve setup and operating problems that arise?

1. View an excellent series of video lessons about Winlink on YouTube. Rick Frost (K4REF) is the producer.

Start with this video: <https://www.youtube.com/watch?v=qGhUfW8pjY8>

2. Use the most recent version of software to access the Winlink system (Winlink Express , AirMail, Paclink, Pactor, VARA, etc.). Read the Installation, Operation, and Help instructions for the software.

3. Read the installation and operation instructions for your radio and modem equipment.

4. Read (or Search; using "Find") the remainder of this list of FAQs'.

5. Review the "Book of Knowledge" in the Winlink web page: <https://www.winlink.org>

6. Search the messages in the Winlink user discussion groups.

7. See the Catalog ... WL2K Help. It has many Tips you perhaps did not know.

8. Use an internet search engine to find relevant information on the web.

9. Ask other people for Help.