



ROANOKE VALLEY AMATEUR RADIO CLUB

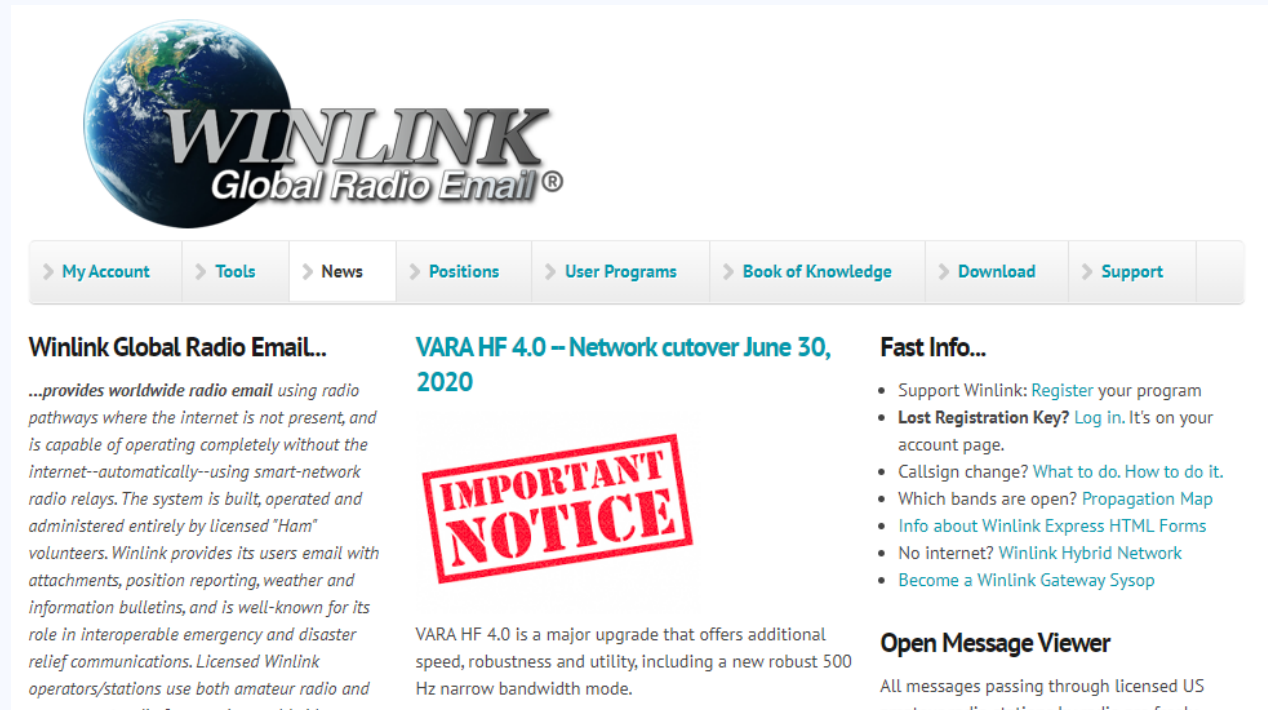
# WINLINK BASICS

<https://winlink.org/>

Download >

User Programs >

Winlink\_Express\_install\_xxx.zip



The screenshot shows the Winlink website homepage. At the top is the Winlink logo, which features a globe and the text "WINLINK Global Radio Email®". Below the logo is a navigation menu with the following items: My Account, Tools, News, Positions, User Programs, Book of Knowledge, Download, and Support. The main content area is divided into three columns. The left column is titled "Winlink Global Radio Email..." and contains a paragraph of text describing the service. The middle column is titled "VARA HF 4.0 – Network cutover June 30, 2020" and features a red "IMPORTANT NOTICE" stamp. The right column is titled "Fast Info..." and contains a list of links for support, registration, and other information. Below the "Fast Info..." section is a section titled "Open Message Viewer" with a brief description.

**WINLINK**  
Global Radio Email®

> [My Account](#) > [Tools](#) > [News](#) > [Positions](#) > [User Programs](#) > [Book of Knowledge](#) > [Download](#) > [Support](#)

**Winlink Global Radio Email...**  
*...provides worldwide radio email using radio pathways where the internet is not present, and is capable of operating completely without the internet--automatically--using smart-network radio relays. The system is built, operated and administered entirely by licensed "Ham" volunteers. Winlink provides its users email with attachments, position reporting, weather and information bulletins, and is well-known for its role in interoperable emergency and disaster relief communications. Licensed Winlink operators/stations use both amateur radio and computer radio for message and data.*

**VARA HF 4.0 – Network cutover June 30, 2020**

**IMPORTANT NOTICE**

VARA HF 4.0 is a major upgrade that offers additional speed, robustness and utility, including a new robust 500 Hz narrow bandwidth mode.

**Fast Info...**

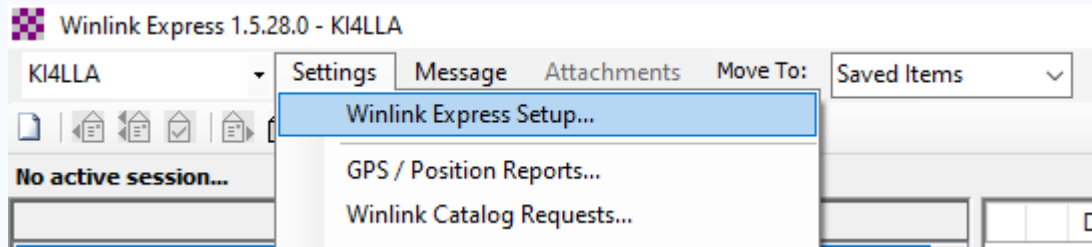
- Support Winlink: [Register](#) your program
- **Lost Registration Key?** [Log in](#). It's on your account page.
- Callsign change? [What to do. How to do it.](#)
- Which bands are open? [Propagation Map](#)
- [Info about Winlink Express HTML Forms](#)
- No internet? [Winlink Hybrid Network](#)
- [Become a Winlink Gateway Sysop](#)

**Open Message Viewer**

All messages passing through licensed US amateur radio stations by radio are freely

# WINLINK BASICS

After installation, create a WinLink account using your callsign.



Need a Password Recovery Email address (remember this)


Maidenhead Grid Square (this is used later)

[https://www.levinecentral.com/ham/grid\\_square.php](https://www.levinecentral.com/ham/grid_square.php)

Fill in Optional Demographics Information if desired

Tactical Address – Optional (used for ARES activations/exercises)

# WINLINK BASICS

 Winlink Express Properties ✕

**Call Signs**

My Callsign:  My Password:   
(Case sensitive)  Show password

Callsign suffix (optional):  (Used for country code)

Password recovery e-mail:   
(Non-Winlink e-mail address where lost password will be sent when requested)

**Auxiliary Callsigns and Tactical Addresses**

ROANOKE-EC2   
 ROARC-EOC

My Grid Square:

**Contact Information (Optional)**

Name:

Street address 1:

Street address 2:

City:

State/Province:

Country:

Postal code:

Web Site URL (optional):

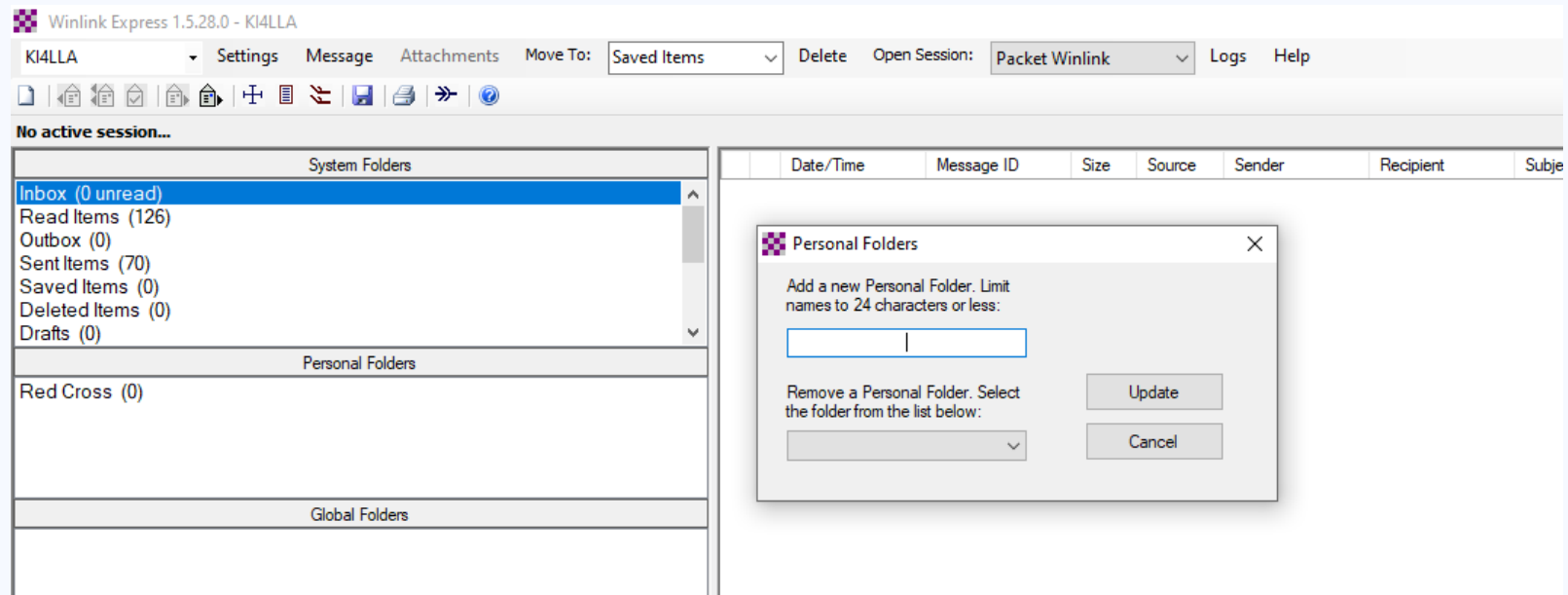
Phone number:

Non-Winlink e-mail:

Additional information (optional):

# WINLINK BASICS

Folder Structure – Add Folders as needed to keep organized



# WINLINK BASICS

Inbox and Folder Management – Keep your messages organized

The screenshot shows the Winlink Express 1.5.28.0 - KI4LLA interface. The top menu bar includes 'KI4LLA', 'Settings', 'Message', 'Attachments', 'Move To:', 'Delete', 'Open Session: Telnet Winlink', 'Logs', and 'Help'. A toolbar with various icons is located below the menu. The main window displays 'No active session.' and a list of 'System Folders' on the left. A context menu is open over the 'Saved Items' folder, listing options: 'Inbox', 'Read Items', 'Outbox', 'Sent Items', 'Saved Items', 'Deleted Items', 'Drafts', and 'Red Cross'. The main pane shows a table of messages with columns for Date/Time, Message ID, Size, Source, and Sender.

Date/Time	Message ID	Size	Source	Sender
2020/05/22 18:56	8WIBQML2PEYQ	2830	KF5VO	KF5VO
2020/05/21 18:59	T3LSBNX8C6BS	1889	KW6GB	KW6GB
2020/05/21 13:54	RKF0LZ17GGHG	1222	KW6GB	KW6GB

# WINLINK BASICS

Controlling SPAM – White List Management

Send message to [SYSTEM@winlink.org](mailto:SYSTEM@winlink.org) with Subject WHITELIST

LIST

ACCEPT

REJECT

DELETE

Enter a new message

Close Select Template Attachments **Post to Outbox** Spell Check Save in Drafts

From: KI4LLA Send as: Winlink Message  Request read receipt Set Defaults

To: SYSTEM;

Cc:

Subject: WHITELIST

Attach:

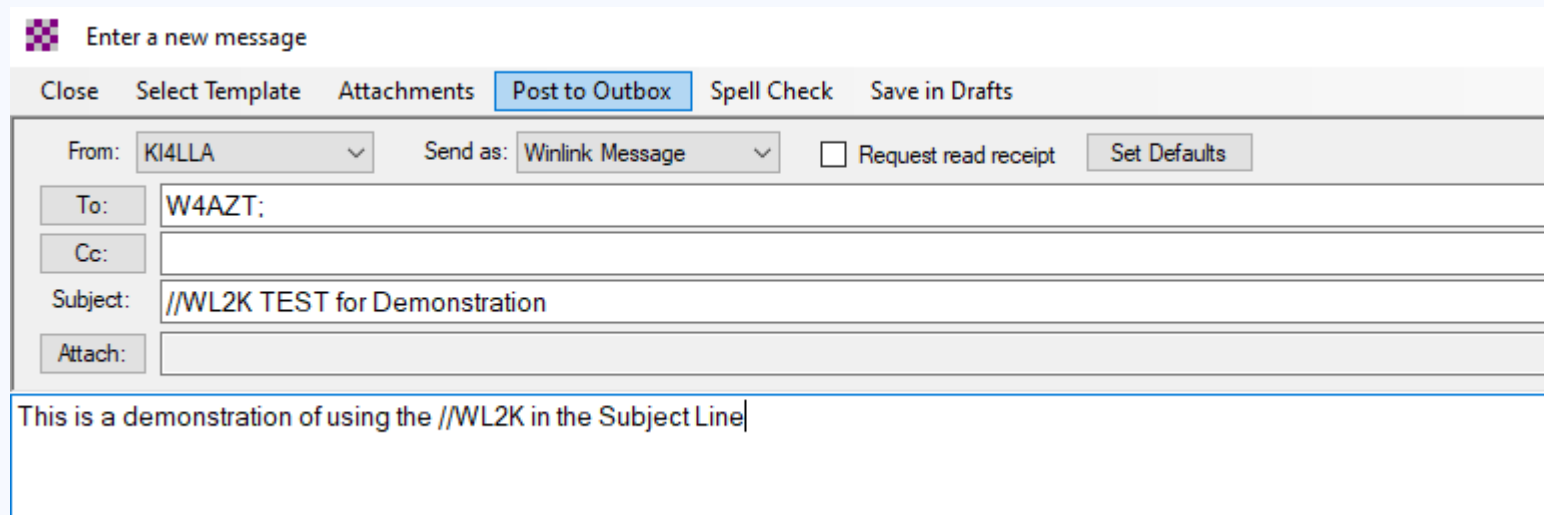
ACCEPT: redcross.org  
ACCEPT: arrl.net

Or go to <https://winlink.org/user> > My Whitelist

# WINLINK BASICS

Any e-mail address you send to will be automatically added to your White List - they can reply to your WinLink address.

White List Bypass – add //WL2K to Subject line, will go to the WinLink recipient



Enter a new message

Close Select Template Attachments **Post to Outbox** Spell Check Save in Drafts

From: KI4LLA Send as: Winlink Message  Request read receipt Set Defaults

To: W4AZT;

Cc:

Subject: //WL2K TEST for Demonstration

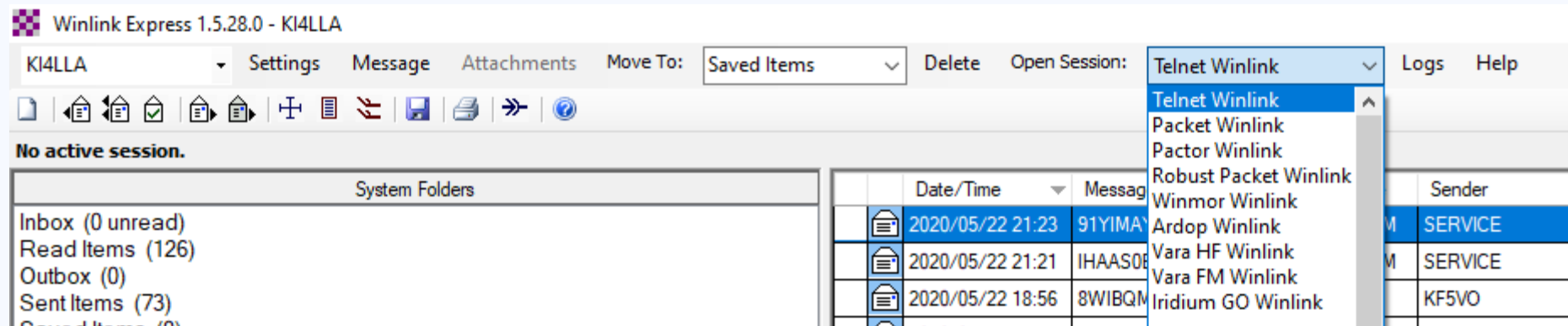
Attach:

This is a demonstration of using the //WL2K in the Subject Line



# WINLINK BASICS

Open Session – Choose which method to use to Send/Receive Messages



Use Telnet Winlink for practice – no radio needed!

Packet Winlink is VHF Packet through a local RMS Gateway

Winmore Winlink is HF skywave through a remote RMS Gateway

# WINLINK BASICS

## Packet WinLink

1) Hardware TNC – Kantronics KPC 3+ or other model

2) Software TNC – Soundmodem v1.05  
<http://uz7.ho.ua/packetradio.htm>

The image shows a screenshot of a website and a software interface. The website is titled "Welcome to the personal page UZ7HO" and features a navigation menu with links for Home, Contesting, Guestbook, Log search, and Packet-Radio. The main content area is titled "The software Packet-Radio TNC" and describes the development of a software dual-port Packet-Radio TNC that uses a soundcard as a modem and supports the AX.25 protocol. It lists supported modes and decoders under two categories: Soundmodem and High-Speed Soundmodem. The Soundmodem section lists AFSK 300, 600, 1200, 2400 bps; (D)BPSK 300, 600, 1200, 2400 bps; (D)QPSK 2400, 3600, 4800 bps; and (D)8PSK 4800 bps. The High-Speed Soundmodem section lists G3RUH 4800, 9600, 19200 bps; Manchester 1200, 2400, 3600, 7200 bps; HAPN 4800 bps; and GOMX-1/3, Mobitex-NX (BeeSAT-2/4), AAUSAT-4, LilacSat-2 decoders. Below the website content is a screenshot of the Soundmodem software interface, which includes a settings window with fields for Ch A (1700), Ch B (2200), and DCD threshold, and a status window showing the current connection details: "1 To KAQMDS To ID Via K4BIZ K9USD (J) F/C P4-F0 L em=7S (M4 45 44R) KAQMDS/A/E1 NODE ka0mos 9 BBS ka0mos NETROM ka0mos 7 chat ka0mos 4 NS Canada".

Solar-Terrestrial Data  
18 Apr 2020 1539 GMT  
SFI: 69 SN: 0  
R-Index: 7  
K-Index: 1  
X-Ray: n/a  
304h: 90.8 @ SEM

Calculated Conditions  
Band Day Night  
80m-40m: Fair Good  
30m-20m: Poor Poor  
17m-15m: Poor Poor  
12m-10m: Poor Poor  
Signal Noise: 80-81

Click to Install Solar  
Data on your web site  
<http://www.hamradio.com>  
Copyright Paid & Herman 2010

rttycontesting.com  
UR4

Home Contesting Guestbook Log search Packet-Radio

### The software Packet-Radio TNC

I am developing a software dual-port Packet-Radio TNC that uses a soundcard as a modem and supports AX.25 protocol. It has been tested on Windows XP, Vista, 7, 8, 10 and has proved stable in operation. The Soundmodem has two TCP/IP interfaces to link with client application: AGW PE and (X)KISS. In case of AGW PE interface, this modem is a direct replacement of original AGW Packet Engine and emulates AGW PE API. The Soundmodem may be used to build EMCOMM, APRS, BBS, Node station, for satellites etc. It supports such modes:

Soundmodem	High-Speed Soundmodem
<ul style="list-style-type: none"><li>• AFSK 300, 600, 1200, 2400 bps</li><li>• (D)BPSK 300, 600, 1200, 2400 bps</li><li>• (D)QPSK 2400, 3600, 4800 bps</li><li>• (D)8PSK 4800 bps</li></ul>	<ul style="list-style-type: none"><li>• G3RUH 4800, 9600, 19200 bps</li><li>• Manchester 1200, 2400, 3600, 7200 bps</li><li>• HAPN 4800 bps</li><li>• GOMX-1/3, Mobitex-NX (BeeSAT-2/4), AAUSAT-4, LilacSat-2 decoders</li></ul>

UZ7HO SoundModem

Settings Show Clear monitor About

Ch A [1700] Ch B [2200] DCD threshold [ ] Hold pointers [ ]

1 To KAQMDS To ID Via K4BIZ K9USD (J) F/C P4-F0 L em=7S (M4 45 44R)  
KAQMDS/A/E1 NODE ka0mos 9 BBS ka0mos NETROM ka0mos 7 chat ka0mos 4 NS Canada

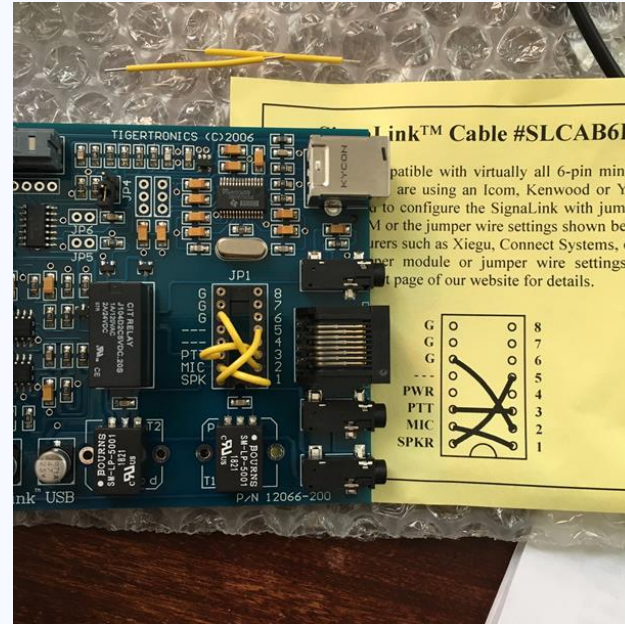
# WINLINK BASICS

## Radio Setup - TNC



# WINLINK BASICS

## Radio Setup - Signalink



# WINLINK BASICS

Learn More about WinLink Express on YouTube

The image shows a YouTube search results page for the query "san diego ARES WinLink". The search bar at the top contains the text "san diego ARES WinLink" and a magnifying glass icon. On the left side, there is a navigation menu with the following items: Home, Trending, Subscriptions, Library, History, Your videos, Purchases (with a count of 121), and Watch later. The main content area features a video player for "San Diego ARES - Winlink series of short clips". The video player shows a thumbnail of the WinLink website with a "PLAY ALL" button. Below the video player, the title "San Diego ARES - Winlink series of short clips" is displayed, along with the statistics "25 videos • 14,513 views • Last updated on Mar 28, 2020". To the right of the video player is a list of video thumbnails and titles:

- 1 0.0a How to download and install Winlink Express San Diego ARES (0:58)
- 2 0.0b How to test your Winlink email account San Diego ARES (3:20)
- 3 0.1 How to create a personal folder in Winlink Express San Diego ARES (0:40)
- 4 0.2 How to turn off automatic move read messages

# WINLINK BASICS

## Advanced Topics

- 1) HF Winmor and other modulation schemes
- 2) Using Tactical Addresses
- 3) Message Templates – Red Cross, ICS, other agencies
- 4) ICS-309 Communication Log

## **Questions / Discussion**