



PORTABLE EMAIL/MESSAGING WITH WINLINK

WITH YOUR HT – BELIEVE IT OR NOT

SEAPAC 2018

SCOTT GREEN – K7JSG

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ABOUT ME – SCOTT GREEN - K7JSG

- Licensed in 2013
- Enjoy everything about the hobby
- Like to Contest
- Involved in Emergency Communications. LDS Stake Emergency Communication Specialist and NEMCo RACES Leadership Team
- Working on doing things more portable and working with FT8

GOALS FOR PORTABLE EMAIL/MESSAGING

- Portable Email and messaging for Emergency Communications
- Needed to be lightweight and easy to use
- No commercial power; Only battery and solar panels
- Inexpensive as possible so almost anyone could afford it
- Work with most Handheld Radios
- Use existing equipment when possible – I had Yaesu FT-60R and Signalink

WHAT THIS PRESENTATION WILL NOT COVER

- Setting up and using a TNC device
- Covering other communication protocols like Pactor, etc
- In basic use of Winlink

OUTLINE OF PRESENTATION

- What is Winlink
- Using Packet and Peer-to-Peer for communication protocols
- Basic use of Winlink to send emails and messages
- Cost for portable email operation
- What software to download
- Sound card installation
- How to install the software and setup

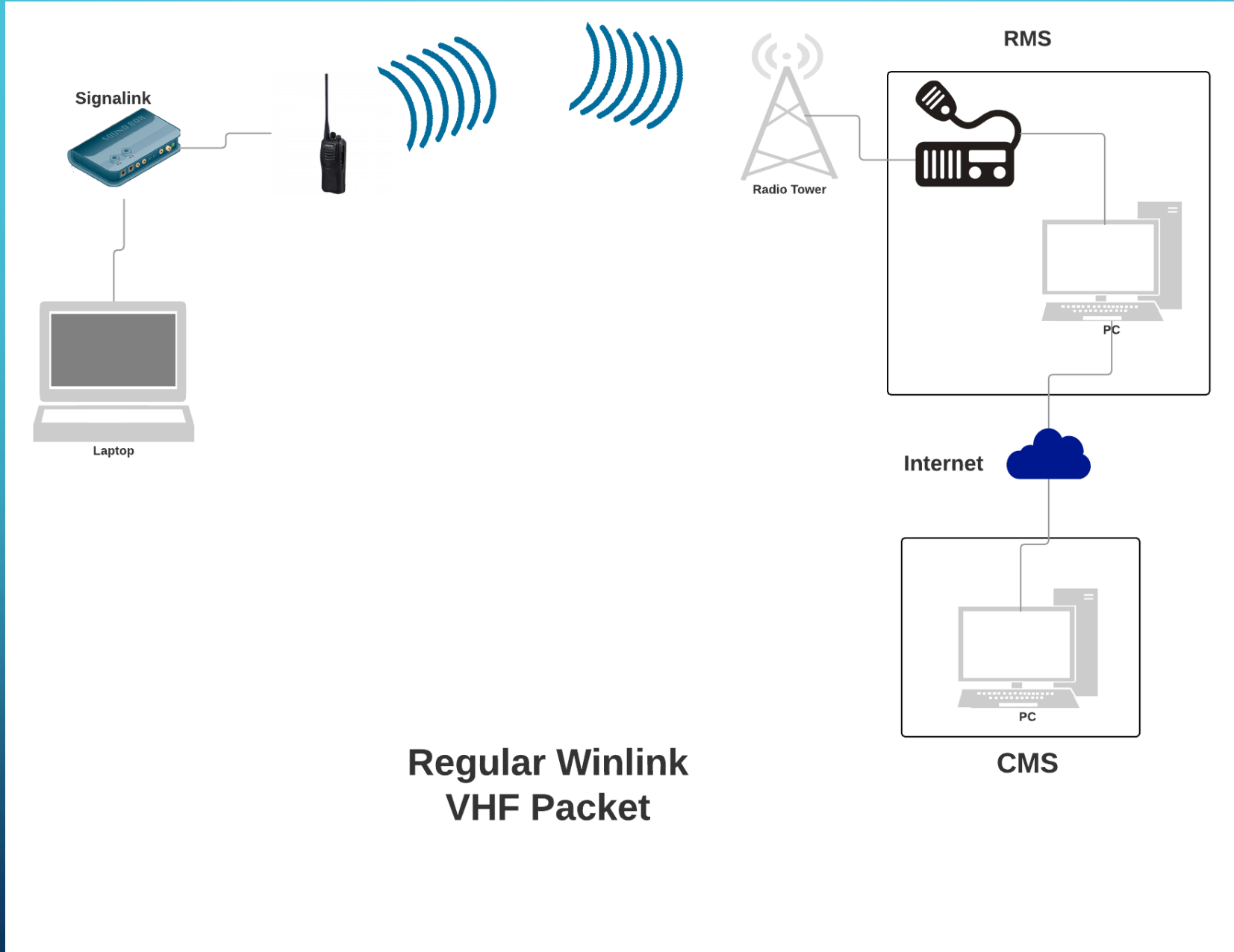
WHAT IS WINLINK

- Worldwide system for sending e-mail via radio.
- Provides e-mail from almost anywhere in the world.
- Entirely supported and operated by amateur radio volunteers (Amateur Radio Safety Foundation, Inc.).
- Winlink Express software is the preferred client application.
- Adopted for contingency communication by many government agencies.
- Send messages Peer-to-Peer

WINLINK FOR PORTABLE EMCOMM

- Send Damage Assessments to EOC
- Be hub for CERT teams for sending assessments and messages
- Be hub for a neighborhood to pass and receive information
- Can use Packet or Peer-to-Peer for sending messages

WINLINK REGULAR PACKET – USING HT

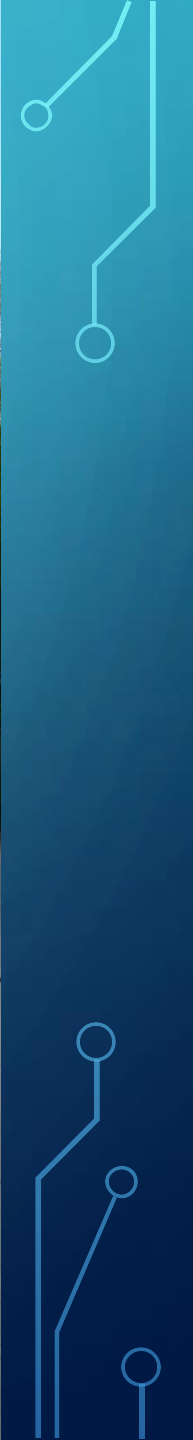


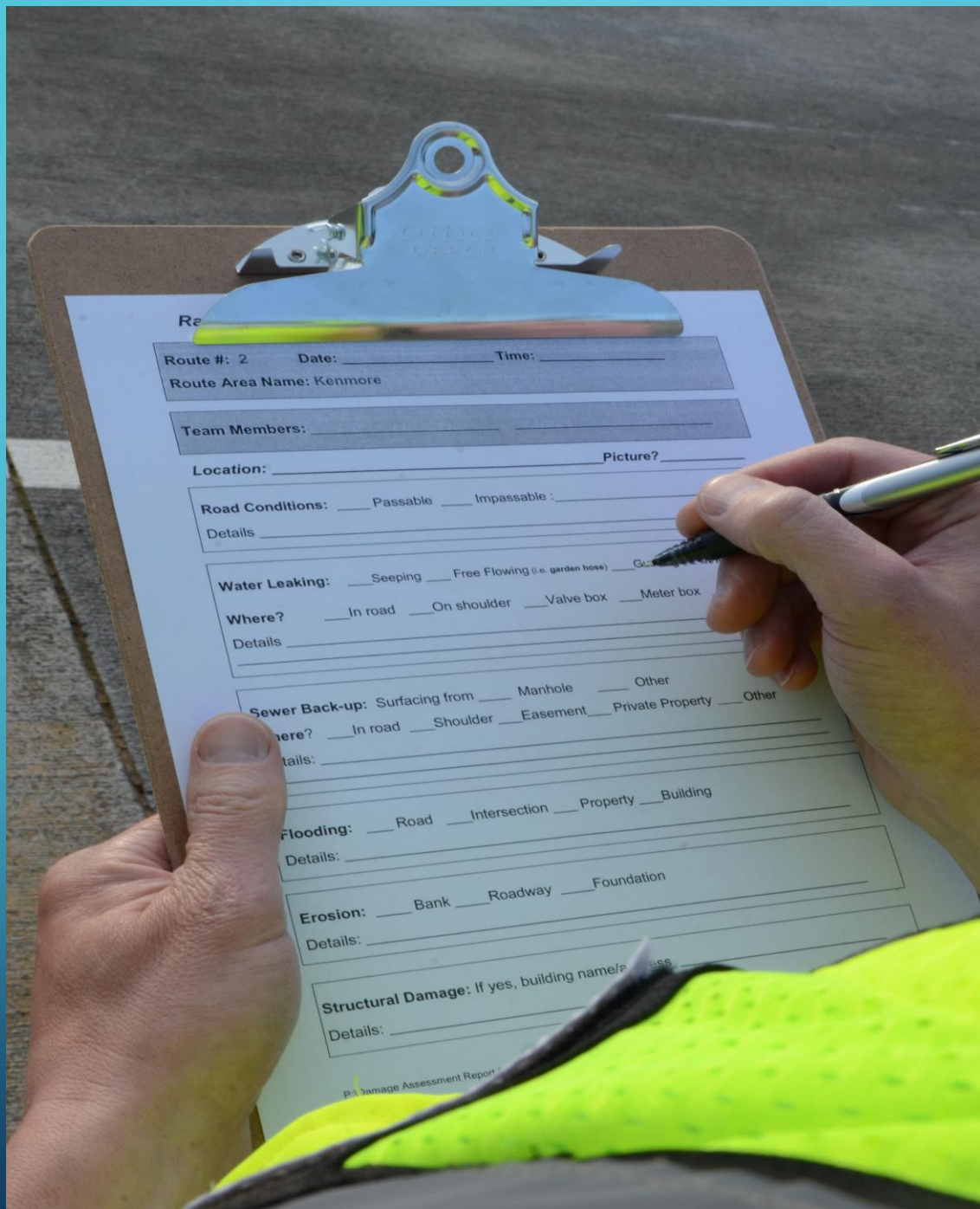
WINLINK HT PACKET PEER-TO-PEER

Scott Green | February 26, 2018



Winlink Peer-To-Peer HT VHF Packet





Report

Route #: 2 Date: _____ Time: _____

Route Area Name: Kenmore

Team Members: _____

Location: _____ Picture? _____

Road Conditions: Passable Impassable : _____

Details _____

Water Leaking: Seeping Free Flowing (i.e. garden hose) Gushing

Where? In road On shoulder Valve box Meter box

Details _____

Sewer Back-up: Surfacing from Manhole Other

Where? In road Shoulder Easement Private Property Other

Details: _____

Flooding: Road Intersection Property Building

Details: _____

Erosion: Bank Roadway Foundation

Details: _____

Structural Damage: If yes, building name/ # _____

Details: _____

TIME FOR FIRST WINLINK MESSAGE

The screenshot displays the Winlink Express 1.5.11.0 - K7JSG application window. The main window title is "Winlink Express 1.5.11.0 - K7JSG". The menu bar includes "K7JSG", "Settings", "Message", "Attachments", "Move To: Saved Items", "Delete", "Open Session: Packet Winlink", "Logs", and "Help". A toolbar below the menu bar contains various icons, with the first icon (a document) circled in blue. Below the toolbar, a status bar reads "No active session.".

Overlaid on the main window is a smaller dialog box titled "Enter a new message". The dialog box has a menu bar with "Close", "Select Template", "ICS 213 Initial", "ICS 213 Send-Reply", "ARRL Radio Gram", "Attachments", "Post to Outbox", "Spell Check", and "Save in Drafts". The "From:" field is set to "K7JSG". The "Send as:" dropdown is set to "Winlink Message". There is an unchecked checkbox for "Request read receipt" and a "Set Defaults" button. The "To:" field contains "JON_RUMSEY:KB7UUE:". The "Cc:", "Subject:", and "Attach:" fields are empty.

WINLINK MESSAGE WINDOW

- Just like a normal email message window
- Clicking To: will bring up list of contacts to choose from. You can also enter a callsign or enter a valid email address
- You can add attachments – I would not send large sized attachments since you are sending at 1200 baud. It could take a while with a large attachment
- You can send the message as a Winlink Message or a Peer-to-Peer Message
- Even has spell check :)
- When done and ready to send click "Post to Outbox"

FIRST NEED TO SELECT CHANNEL

Packet Winlink Session

Exit Settings Switch to Peer-to-Peer Session **Channel Selection** 200 Baud Start Stop

Connection type: Direct

Connection script:

Time to next Autoconnect:

*** Starting WL2K packet sessi
*** Initializing KISS over TCP H
*** Initialization complete
*** Ready

Packet Channel Selector

Exit Select Channel Update Table Via Internet Update Table Via Radio

Stations found within 160 kilometers of your grid square.

Callsign	Frequency (MHz)	Baud	Grid Square	Group	Distance (mi)	Bearing (Degrees)
K7QOG-10	223.560	1200	CN87UU	PUBLIC	007	326
KF7QHQ-10	144.910	1200	CN87XS	PUBLIC	008	090
W7AUX-10	145.050	1200	CN87TS	PUBLIC	008	270
N7CFO-11	223.480	1200	CN87WO	PUBLIC	012	162
KE7ARH-10	145.950	1200	CN87VO	PUBLIC	012	180
N7CFO-10	145.690	1200	CN87WO	PUBLIC	012	162
WA7DEM-11	440.875	1200	CN87VW	PUBLIC	012	000
W7EFR-12	145.630	1200	CN87XO	PUBLIC	014	146
W7MIR-10	145.030	1200	CN87VN	PUBLIC	014	180
W7MIR-11	430.825	1200	CN87VN	PUBLIC	014	180
K7JMM-10	223.420	1200	CN87RR	PUBLIC	016	260
W7EFR-14	145.630	1200	CN87XN	PUBLIC	017	151
W7EFR-10	144.950	1200	CN87XN	PUBLIC	017	151
AC7MD-10	440.750	9600	CN87RN	PUBLIC	021	227
AC7MD-10	145.630	1200	CN87RN	PUBLIC	021	227
AC7MD-10	223.580	1200	CN87RN	PUBLIC	021	227
NK7N-10	145.010	1200	CN87XL	PUBLIC	022	158

WINLINK CHANNEL SELECTION

- First time you open this window there will be no entries
- Click "Update Table via Internet". Computer needs to be connected to Internet
- Once Table is loaded select the desired channel by double clicking or click the channel and then click "Select Channel"
- This will close the window and populate the Packet Winlink Session window with the Selected Channel
- Make sure your radio is set to the same frequency as the Selected Channel

NOW TIME TO SEND THE WINLINK MESSAGE

The screenshot displays the Winlink Express 1.5.11.0 interface. The main window is titled "Winlink Express 1.5.11.0 - K7JSG". The menu bar includes "K7JSG", "Settings", "Message", "Attachments", "Move To: Saved Items", "Delete", "Open Session: Packet Winlink", "Logs", and "Help". The "Open Session:" button is circled in blue. Below the menu bar is a toolbar with various icons. A secondary window titled "Packet Winlink Session" is open, showing a "Start" button circled in blue. The session settings include "Exit", "Settings", "Switch to Peer-to-Peer Session", "Channel Selection", and "1200 Baud". The connection type is set to "Direct" and the channel is "W7AUX-10". The connection script is empty, and the "Time to next Autoconnect" is "Disabled". The session log shows the following text: "Starting WL2K packet session...", "Initializing KISS over TCP Host 127.0.0.1 Port 8100", "Initialization complete", and "Ready". The status bar at the bottom of the window displays the text: "NEMCO RACES ran an on-air exercise testing simplex communications during the regular".

SOUNDMODEM TRAFFIC DISPLAY

SoundModem by UZ7HO - Ver 0.97b - [AFSK AX.25 1200bd]

Settings View Clear monitor Calibration About

A: AFSK AX.25 1200bd 1700 DCD threshold Hold pointers

```
1:Fm WA7VE-10 To K7JSG <RR R F R6> [20:55:07R] [+++]
1:Fm WA7VE-10 To K7JSG <I C R6 S4 Pid=F0 Len=5> [20:55:12R] [+++]
FS Y

1:Fm K7JSG To WA7VE-10 <I C R5 S6 Pid=F0 Len=128> [20:55:12T]
*/^WL2K Email message from Hi-Tide motel0úv@fiözmglBpy»K|w 3áíá°y ,kYípi!%:|oéÔ·µ´öy#-i`oIT||+iöNS_10%éÄ
E:i0

1:Fm K7JSG To WA7VE-10 <I C R5 S7 Pid=F0 Len=128> [20:55:12T]
j0|bBöaÄ#
Íú9P ün%äX|jÄYí|mfou0«(çF~qú@F&O|| Eú|%yY -wQÈyÉ5í1'119(E|j|Oc-j|'C|83 n|Ç`ê#2%_0-an4xø4?ª Ö|`|ñlè

1:Fm K7JSG To WA7VE-10 <I C R5 S0 Pid=F0 Len=85> [20:55:13T]
ÓóKp|Piä^ ózhu/±GMÿÖá'óÉ.\ QÄrú)$8Y«|±fAùMai Äy@à-0|âjP:çää#_NéKi?

1:Fm WA7VE-10 To K7JSG <RR R F R1> [20:55:17R] [+++]
1:Fm WA7VE-10 To K7JSG <I C R1 S5 Pid=F0 Len=3> [20:55:19R] [+++]
FF

1:Fm K7JSG To WA7VE-10 <I C R6 S1 Pid=F0 Len=3> [20:55:19T]
FQ

1:Fm WA7VE-10 To K7JSG <RR C P R1> [20:55:23R] [+++]
1:Fm K7JSG To WA7VE-10 <RR R F R6> [20:55:24T]
1:Fm K7JSG To WA7VE-10 <RR C P R6> [20:55:28T]
1:Fm WA7VE-10 To K7JSG <RR R F R1> [20:55:30R] [+++]
1:Fm K7JSG To WA7VE-10 <I C R6 S1 Pid=F0 Len=3> [20:55:31T]
FQ

1:Fm WA7VE-10 To K7JSG <RR R F R2> [20:55:34R] [+++]
1:Fm K7JSG To WA7VE-10 <DISC C P> [20:55:36T]
1:Fm WA7VE-10 To K7JSG <UA R F> [20:55:38R] [+++]
```

WINLINK EMAIL RECEIVED

//WL2K Email message from Hi-Tide motel



K7JSG@winlink.org

Today, 8:56 PM

You 



 Reply | 

This is a Winlink email message using my Ft-60R Handheld from my room facing the ocean on the 2nd floor on June 1, 2018.

This is a test message showing that you can do Winlink email with your HT.

Scott - K7JSG

WINLINK PEER-TO-PEER RADIO ONLY

- Only two stations can communicate with each other
- Direct communications by radio only. No Internet
- 100% Error Free Transmission

SENDING PEER-TO-PEER MESSAGE

The screenshot displays the Winlink Express 1.5.11.0 interface. The main window is titled "Packet Peer-to-Peer Session (K7JSG)". The menu bar includes "Exit", "Settings", "Switch to Winlink Session", "Channel Selection", "1200 Baud", "Start", and "Stop". The "Connection type" is set to "Direct" and the call sign "KB7UUE" is entered in the "Via" field. The "Connection script" dropdown is set to "Remove script". The status bar indicates "Time to next Autoconnect = Disabled".

The log window shows the following sequence of events:

- *** Calling KB7UUE
- *** Forced disconnect
- *** Ready
- *** Disconnecting due to timeout
- *** Ready

The contact list on the left side of the window includes:

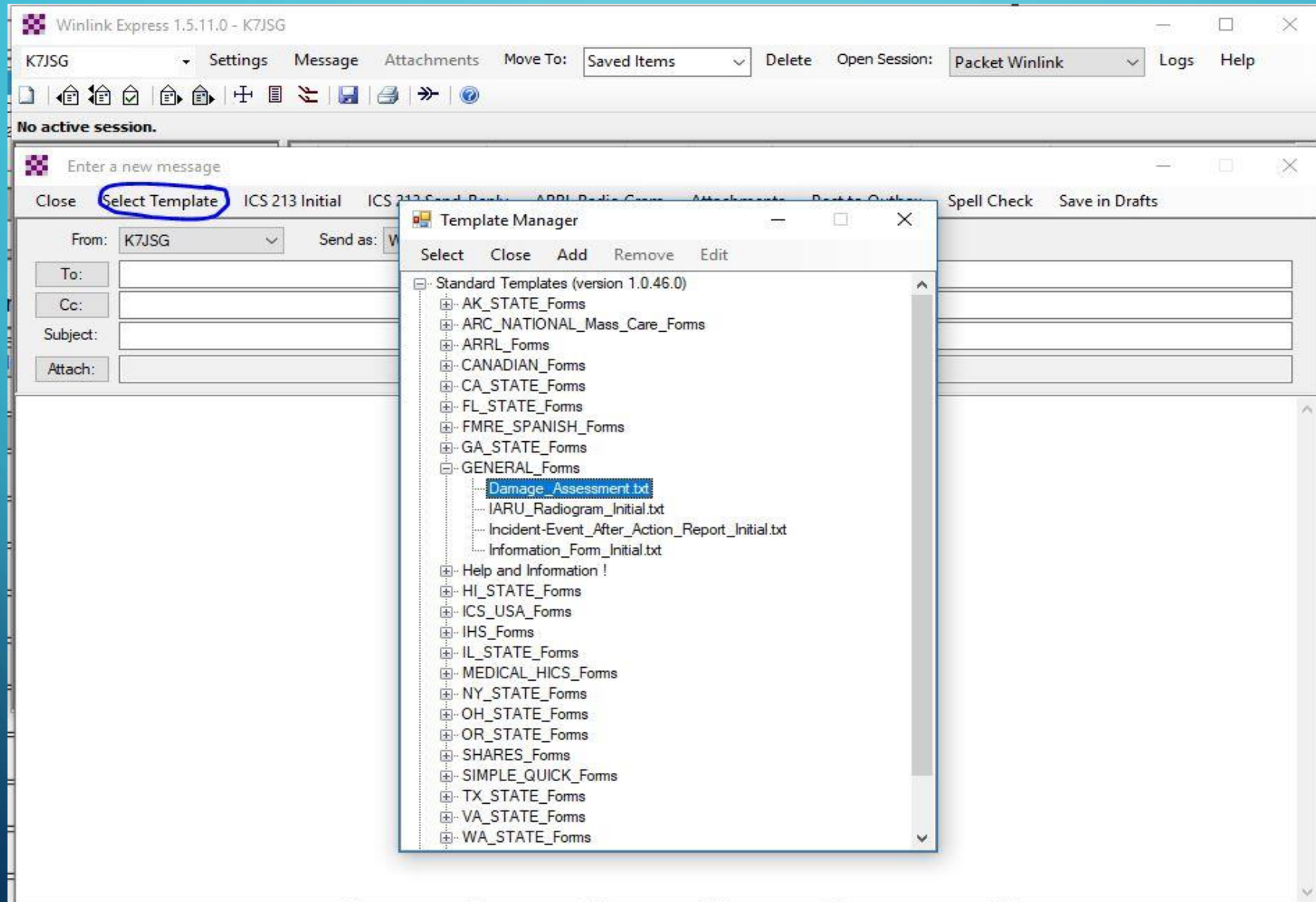
- BROIN
- JAMES
- JOHN_K
- JON_RU
- TROY

The bottom status bar shows the text: "NEMCo RACES ran an on-air exercise testing simplex communications during the regular".

PEER-TO-PEER MESSAGE INSTRUCTIONS

- Select "Packet P2P" from drop down next to Open Session
- Click "Open Session"
- Enter the callsign of the person you wish to message. The person who you want to contact needs to have Winlink running and an open Packet P2P session
- Make sure both radios are set to the same frequency and the frequency is not in use. Needs to be between 144.90 - 145.10 or 145.50 - 145.80
- Click "Start"

USING WINLINK TEMPLATES



WINLINK TEMPLATE IN WEB BROWSER

file:///C:/Ham/Winlink%20Express/K7JSG/Temp/Damage_Assessment_Initial.html

then ☆, and drag to the Favorites Bar folder. Or import from another browser. Import favorites

Initial Damage Assessment / Windshield Survey Ver 6

Jurisdiction Mission or Incident #

Exercise REAL EVENT Event Tornado/Winds
Hurricane
Flood Selected Other? Describe

Survey Area Survey Team

Date of the Event Date of this Survey

[Click For More Info](#)

	Affected 10 %	Minor 25 %	Major 50 %	Totaled 100 %	\$ Loss
CATEGORY	#	#	#	#	\$ Estimate
HOUSES	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
APARTMENT COMPLEX	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
MOBILE HOMES	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
RESIDENTIAL HIGH RISE BUILDING	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
COMMERCIAL HIGH RISE BUILDING	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PUBLIC BUILDINGS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SMALL BUSINESS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
FACTORIES / INDUSTRIAL COMPLEX	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ROADS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
BRIDGES	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ELECTRICAL DISTRIBUTION	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
SCHOOLS	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

WINLINK TEMPLATE DETAILS IN MESSAGE

The screenshot displays the Winlink Express 1.5.11.0 interface. The main window is titled "Winlink Express 1.5.11.0 - K7JSG" and shows a message composition screen. The "Enter a new message" dialog is open, with the following details:

- From:** K7JSG
- Send as:** Winlink Message
- Request read receipt
- Subject:** Damage Assessment-Exercise-Kenmore-Downtown Kenmore
- Attach:** RMS_Express_Form_Damage_Assessment_Viewer.xml

The message body contains the following text:

Survey Date: 2018-02-20
Survey Area: Downtown Kenmore

Jurisdiction: Kenmore
Mission/Incident #: Major One
Event Type: ---
Event Date: 2018-02-19

Survey Team: Team 1

SURVEY REPORT - CATEGORIES

HOUSES - Counts
Affected:
Minor:
Major:
Totalled:
Costs:

APARTMENT COMPLEX - Counts
Affected:
Minor:
Major:

WINLINK TEMPLATES

- Large number of included templates
 - By State
 - ICS Templates
 - General Templates
- Templates are automatically updated on your computer when updates are available
- If want a new template need to work with Winlink team to create it and add to list of templates
- Sending and receiving stations need to have the same template to be able to read messages in web browser

HARDWARE FOR PORTABLE WINLINK

- Kenwood, Yaesu or Baofeng Handheld
- Smaller portable HF rigs like Yaesu FT-857 or FT-817/8 for HF Winmor and VHF Packet

PORTABLE EMAIL FOR AROUND \$330 - HARDWARE

- BTECH UV-5X3 (Tri-Bander) - \$60 Amazon
- Antenna Upgrade - \$18 Amazon
- Signalink SL-USB-HTW - \$115 HRO
- NuVison Windows Tablet - \$77 Amazon
- NuVision Keyboard - \$26 Amazon
- Wireless Mouse - \$12 Amazon
- 4 Port USB Hub - \$10 Amazon
- 32 GB Mirco SDHC - \$13
- Total \$330

PORTABLE EMAIL UPGRADE FOR AROUND \$500

- Yaesu FT-70R - \$180 HRO
- Antenna Upgrade - \$25 HRO
- Signalink SL-USB-HTY - \$115 HRO
- Acer One 10 - \$150 Best Buy
- Wireless Mouse - \$12 Amazon
- 4 Port USB Hub - \$10 Amazon
- 32 GB Mirco SDHC - \$13
- Total \$500

FIRST THINGS FIRST

- Winlink only works on Windows XP through Windows 10
- Your computer needs to have .NET 3.5 installed on it

To setup the Modem software you first need to configure your Signalink and then plug it into your computer so that your sound card is recognized by the software.

- Open Signalink and make wiring configuration for your radio or install plug and play jumper board
- Make sure Signalink is turned off
- Use a USB B cable to connect the Signalink to a USB port on your computer
- Wait for the sound card drivers to install
- Verify that the Signalink is installed by looking at the Device Manager under Sound and seeing USB Audio CODEC
- Plug radio cable from Signalink into your radio
- Turn on Signalink

SIGNALINK TX/RX/DLY SETTINGS

You need to set your audio and delay settings on your Signalink for everything to work correctly.

- TX – set from 4-6 ticks
- RX – set from 5-8 ticks
- DLY – turn off
- Windows sound levels – set to 100

SOFTWARE FOR PORTABLE WINLINK

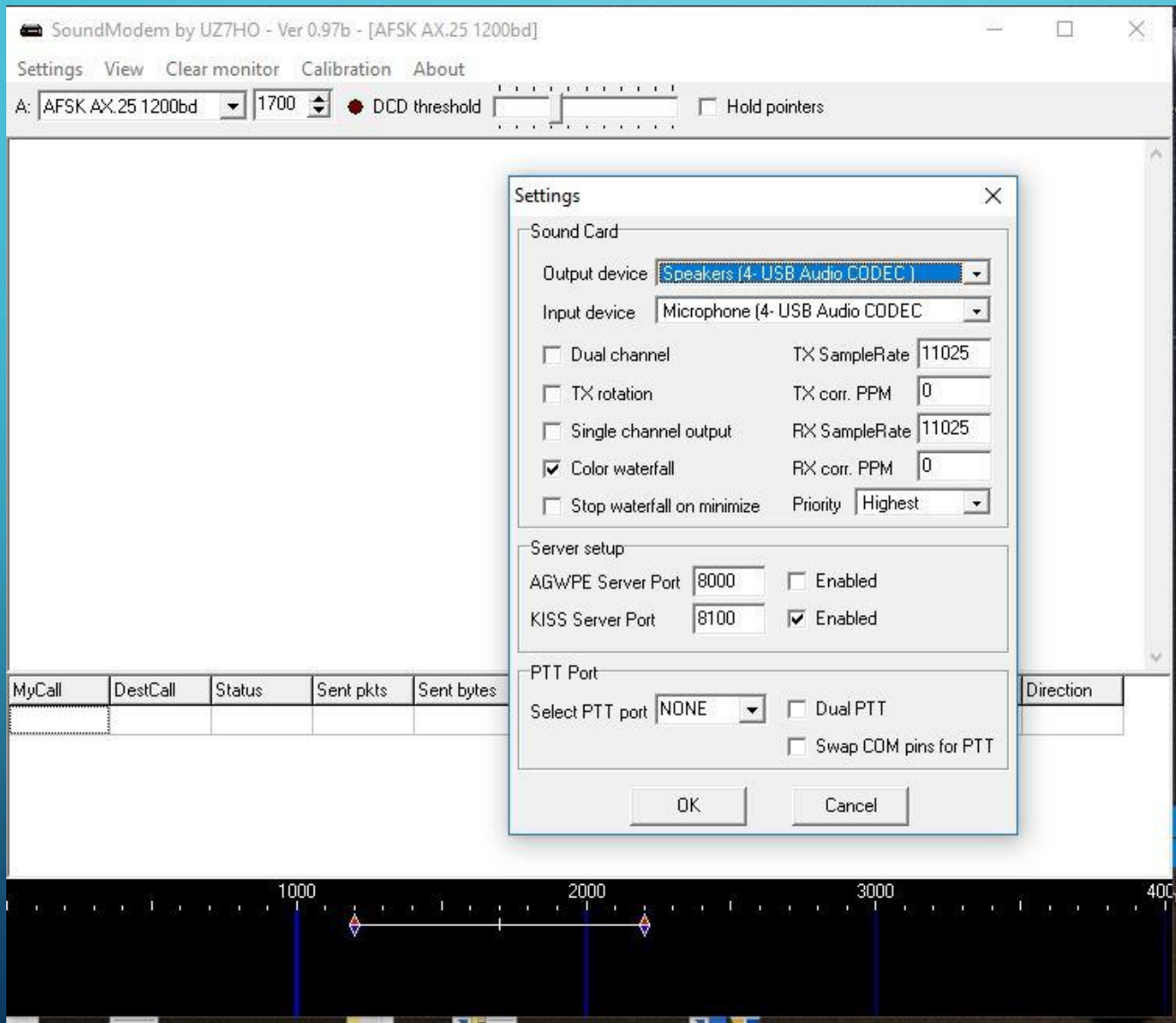
- Sound Modem by UZ7HO
 - <http://uz7.ho.ua/packetradio.htm>
 - Get version .97b
- Winlink Software Download
 - <https://winlink.org/WinlinkExpress>

SOUND MODEM SOFTWARE SETUP

- Download the software zip file
- Open the Zip file and copy the .exe file to your desired location
 - The soundmodem.exe file is the actual application
 - Suggestion; create a folder called UZ7HO
 - Create Desktop Shortcut to UZ7HO to access easily
- Launch the application
 - If you get a security alert about Windows Firewall blocking features, uncheck the Public box and check the Private box and click “Allow Access”

SOUND MODEM SOFTWARE SETUP (CONTINUED)

Click on Settings and then Devices and you will see the following window:



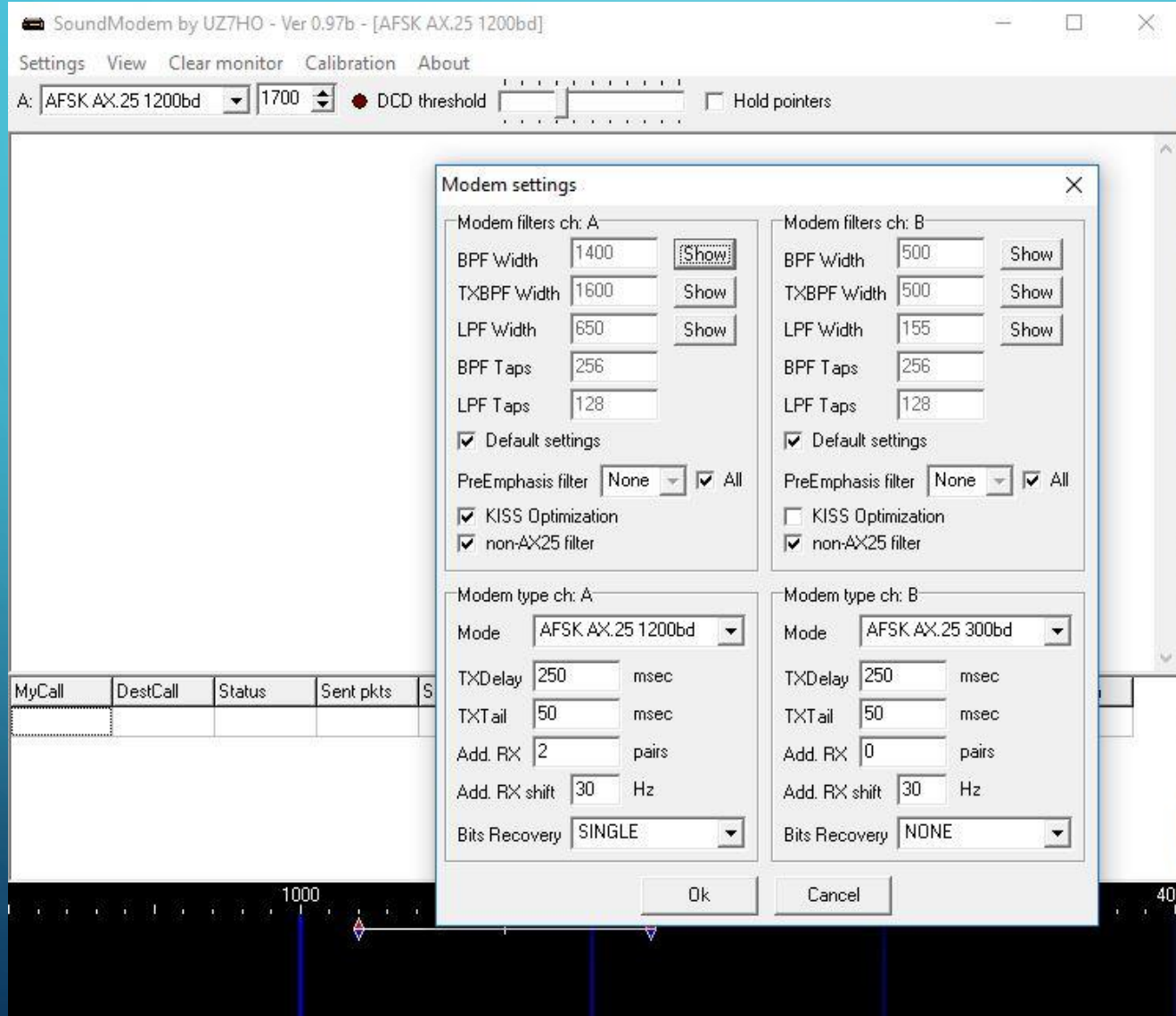
SOUND MODEM SOFTWARE SETUP (CONTINUED)

Device Settings:

- Output device select Speakers USB Audio Device
- Input device select Microphone USB Audio Device
- Check Color Waterfall
- Check KISS Server Port Enabled
- Set PPT Port to None
- Uncheck DualPTT
- Click Ok

SOUND MODEM SOFTWARE SETUP (CONTINUED)

Click the Settings menu and then Modem and the following window will display:



SOUND MODEM SOFTWARE SETUP (CONTINUED)

Modem Setup

Under Modem ch: A

- Check Default Settings
- Check KISS Optimization
- Click non-AX25
- For Mode select AFSK AX.25 1200bd
- No other changes needed
- Click Ok

Close and restart SoundModem to use changes

WINLINK SOFTWARE SETUP

- Need to download Winlink Express from <https://winlink.org/WinlinkExpress>
- Launch Software to Register and at a minimum complete the following information:
 - Callsign
 - Password
 - Recovery Email
 - Grid Square
- Use can use a Telnet Session to send your first message
- Connect with the system (send a message to your personal email) to create your account. *Do not use a password on your first connection.* Your radio email address is `YOURCALL@winlink.org`. A message containing your password will be sent to your account. Retrieve it with a second connection. Secure login will now be enforced by the CMS so, be sure to set your password in your client program.

WINLINK ACCOUNT/REGISTRATION WINDOW

Winlink Express Properties [X]

Call Signs

My Callsign: My Password: (Case sensitive)

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

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

Auxiliary Callsigns and Tactical Addresses

My Grid Square:

Winlink Express registration key:

Path to propagation forecast program:

Service Codes

(Use PUBLIC for ham call signs. Separate multiple service codes by spaces.)
If you change service codes, you must update the list of channels.

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):

Recalculate HF path quality if SFI changes more than:

Keep logs for weeks. Keep deleted messages for days.

- Display list of pending incoming messages prior to download
- Warn about connections to stations holding messages
- Allow diagnostic information to be sent to the Winlink Development Team
- Automatically install field-test (beta) versions of Winlink Express

GET THINGS GOING - START SEQUENCE

- Launch SoundModem software before running Winlink
- For Packet Operation be sure “AFSK AX.25 1200bd” is selected in SoundModem software
- Launch Winlink

WINLINK START PAGE

When you first start Winlink after you have registered this is what you will see:

The screenshot shows the Winlink Express 1.5.11.0 interface. The window title is "Winlink Express 1.5.11.0 - K7JSG". The menu bar includes "K7JSG", "Settings", "Message", "Attachments", "Move To: Saved Items", "Delete", "Open Session: Packet Winlink", "Logs", and "Help". The toolbar contains various icons for file operations and session management.

The main area is divided into three sections:

- System Folders:** A list of folders including "Inbox (0 unread)", "Read Items (0)", "Outbox (0)", "Sent Items (26)", "Saved Items (0)", "Deleted Items (1)", and "Drafts (0)".
- Personal Folders:** Currently empty.
- Global Folders:** Currently empty.
- Contacts:** A list of contacts including "BROIN", "JAMES_HUNTER", "JOHN_KEITH", "JON_RUMSEY", and "TROY".

The message list table is as follows:

Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
2018/02/13 02:06	DBHY30IDJ4Z4	635	K7RMZ	K7RMZ	K7JGM	//WL2K Northshore Net Report 2018-02-11
2018/01/25 22:13	C8IYHXDWYRLH	536	K7RMZ	K7RMZ	K7JGM	//WL2K Northshore Net Report 2018-02-11
2018/01/25 22:13	A3R41IKW3WSS	534	K7RMZ	K7RMZ	K7JGM	//WL2K Northshore Net Report 2018-02-11
2017/11/27 03:22	ZZCJRM6HS7QF	538	K7RMZ	K7RMZ	K7JGM	//WL2K Northshore Net Report 2018-02-11
2017/11/20 03:35	S7ENFST20FXO	711	K7RMZ	K7RMZ	K7JGM	//WL2K Northshore Net Report 2018-02-11

The selected message details are:

Message ID: DBHY30IDJ4Z4
Date: 2018/02/13 02:06
From: K7RMZ
To: K7JGM
Cc: N7UK; K7SEK; KD7WNV; K7JSG; clunak@northshorefire.com; K7JMM; KG7DTP
Source: K7RMZ
Downloaded-from: Telnet:cms.Winlink.org
Subject: //WL2K Northshore Net Report 2018-02-11

The message content includes:

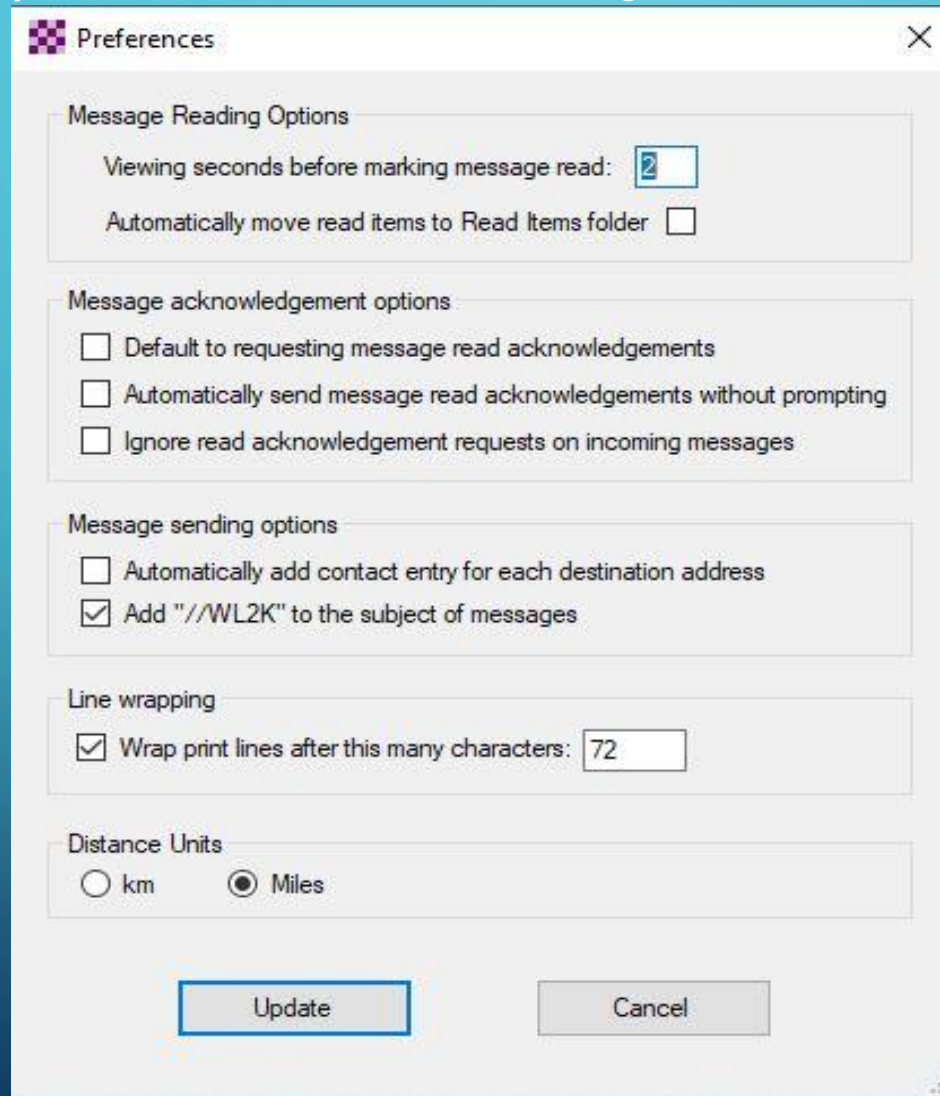
The Northshore Emergency Management Coalition RACES net meets every Sunday at 1900hrs local time on the 443.7250 repeater. RACES meetings are held every 1st Wednesday of each month at the Northshore Fire District Station 51 in Kenmore, WA. Visitors are welcome.

Statistics for the week ending 2018-02-11
Member checkins - 19
Visitor checkins - 2
Items of Traffic - 2

NEMCo RACES ran an on-air exercise testing simplex communications during the regular

CONFIGURING WINLINK

After launching Winlink you need to click on the Settings menu then choose Preferences and you will see the following window:



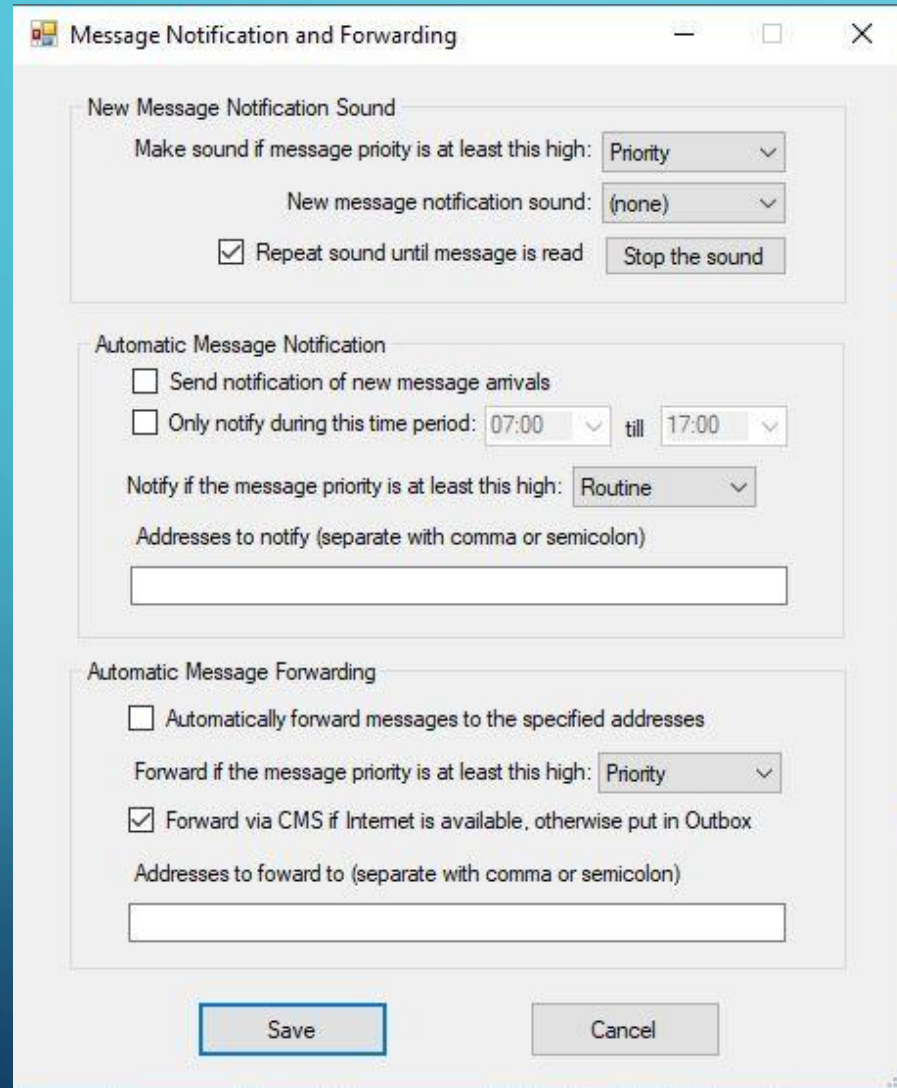
The screenshot shows the 'Preferences' dialog box with the following settings:

- Message Reading Options**
 - Viewing seconds before marking message read:
 - Automatically move read items to Read Items folder
- Message acknowledgement options**
 - Default to requesting message read acknowledgements
 - Automatically send message read acknowledgements without prompting
 - Ignore read acknowledgement requests on incoming messages
- Message sending options**
 - Automatically add contact entry for each destination address
 - Add "//WL2K" to the subject of messages
- Line wrapping**
 - Wrap print lines after this many characters:
- Distance Units**
 - km
 - Miles

Buttons: Update, Cancel

CONFIGURE MESSAGE NOTIFICATION

Click the Settings menu again and choose Message Notification and Forwarding



The screenshot shows a window titled "Message Notification and Forwarding" with three main sections:

- New Message Notification Sound:**
 - Make sound if message priority is at least this high: Priority
 - New message notification sound: (none)
 - Repeat sound until message is read
 - Stop the sound
- Automatic Message Notification:**
 - Send notification of new message arrivals
 - Only notify during this time period: 07:00 till 17:00
 - Notify if the message priority is at least this high: Routine
 - Addresses to notify (separate with comma or semicolon)
- Automatic Message Forwarding:**
 - Automatically forward messages to the specified addresses
 - Forward if the message priority is at least this high: Priority
 - Forward via CMS if Internet is available, otherwise put in Outbox
 - Addresses to forward to (separate with comma or semicolon)

At the bottom of the window are "Save" and "Cancel" buttons.

CONFIGURE PACKET/P2P

Winlink Express 1.5.11.0 - K7JSG

K7JSG Settings Message Attachments Move To: Saved Items Delete **Open Session:** Packet Winlink Logs Help

Packet Winlink/P2P Setup

TNC Connection

Packet TNC Type: KISS

Packet TNC Model: NORMAL

AutoConnect Time: Disabled

Serial Port: TCP

TCP Host/Port: 127.0.0.1 8100

If Auto Connect is enabled, open session when Winlink Express is started

TNC Parameters

1200 Baud 9600 Baud

TX Delay (Milliseconds): 400 300

Maximum Packet Length: 128 255

Maximum Frames: 4 7

Frack: 2 2

Persistence: 160 224

Slot time: 30 20

Maximum Retries: 5 5

Disable Xmt Level Adjust Transmit Level: 100 100

Enable IPoll

Update Cancel

Packet Winlink Session

Exit Settings Switch to P

Connection type: Direct

Connection script:

Time to next Autoconnect = Dis

*** Starting WL2K packet session...
*** Initializing KISS over TCP Host 1
*** Initialization complete
*** Ready

Inbox

Read I

Outbox

Sent Ite

Saved

Delete

Drafts

BROIN

JAMES

JOHN_K

JON_RU

TROY

during the regular

SETTINGS ON PACKET/P2P WINDOW

Since you are using Winlink you need to make the following settings:

- Packet TNC Type: KISS which matches what you set in UZ7HO
- Serial Port: TCP
- TCP Host/Port: 127.0.0.1 8100 – matches the KISS port in UZ7HO
- Choose 1200 Baud
- Check Enable IPoll

CONCLUSION

- Winlink continues to grow in popularity and being used more in EmComm
- Winlink application is actively updated and supported
- Easy to install and use
- Email messaging works similar to other email systems
- Supports various radio transfer modes
- Supports both hardware and software modems
- Can be used out in the field with Handheld Radios or Portable Radios