

Winlink Introductions

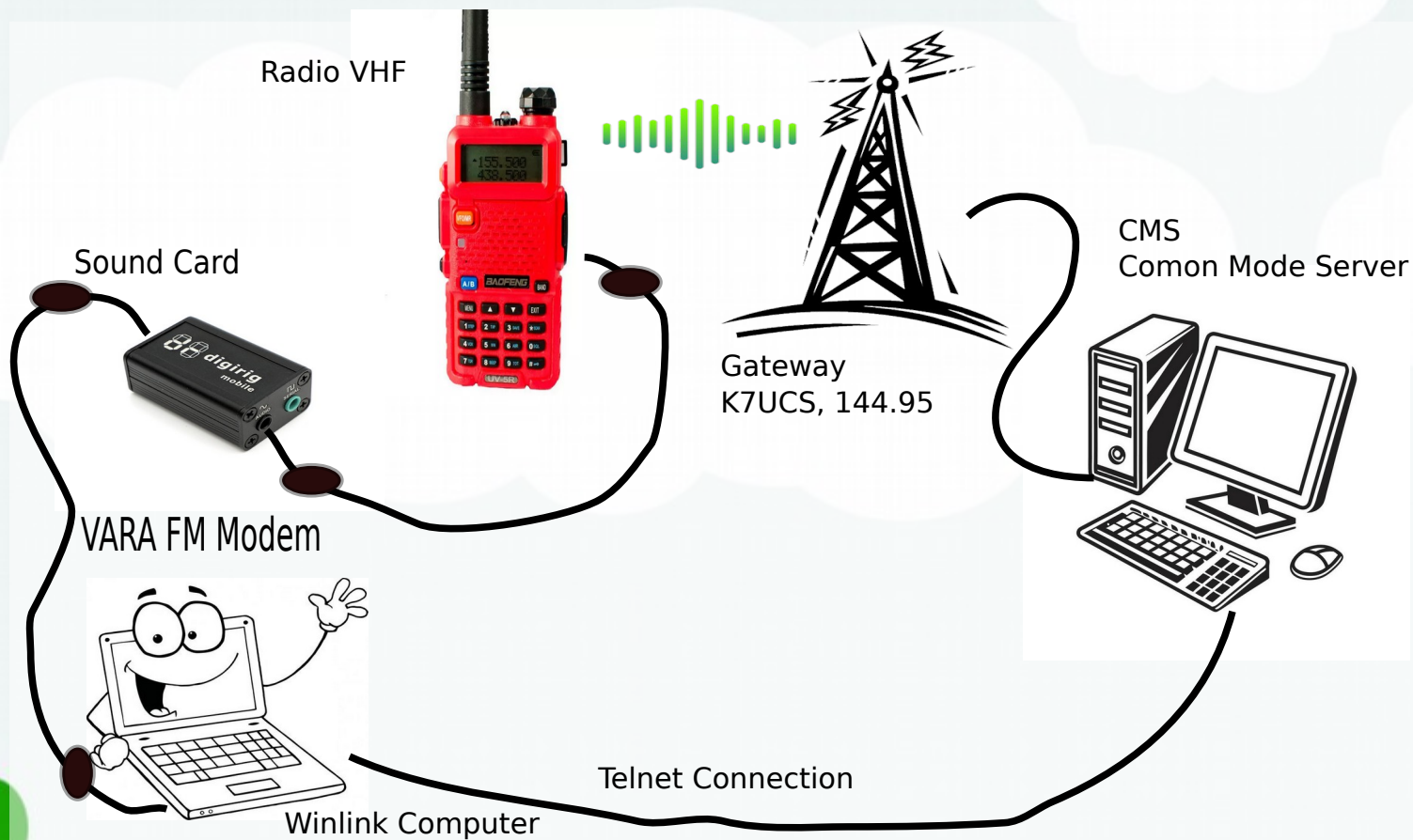


Winlink Is

- Communications system for License Hams
- Able to send and receive email over radio
- Particularly useful in Emergencies
- Users can use various methods
 - Telnet
 - UHF/VHF, HF



System Setup



Most items can be purchased on Amazon.

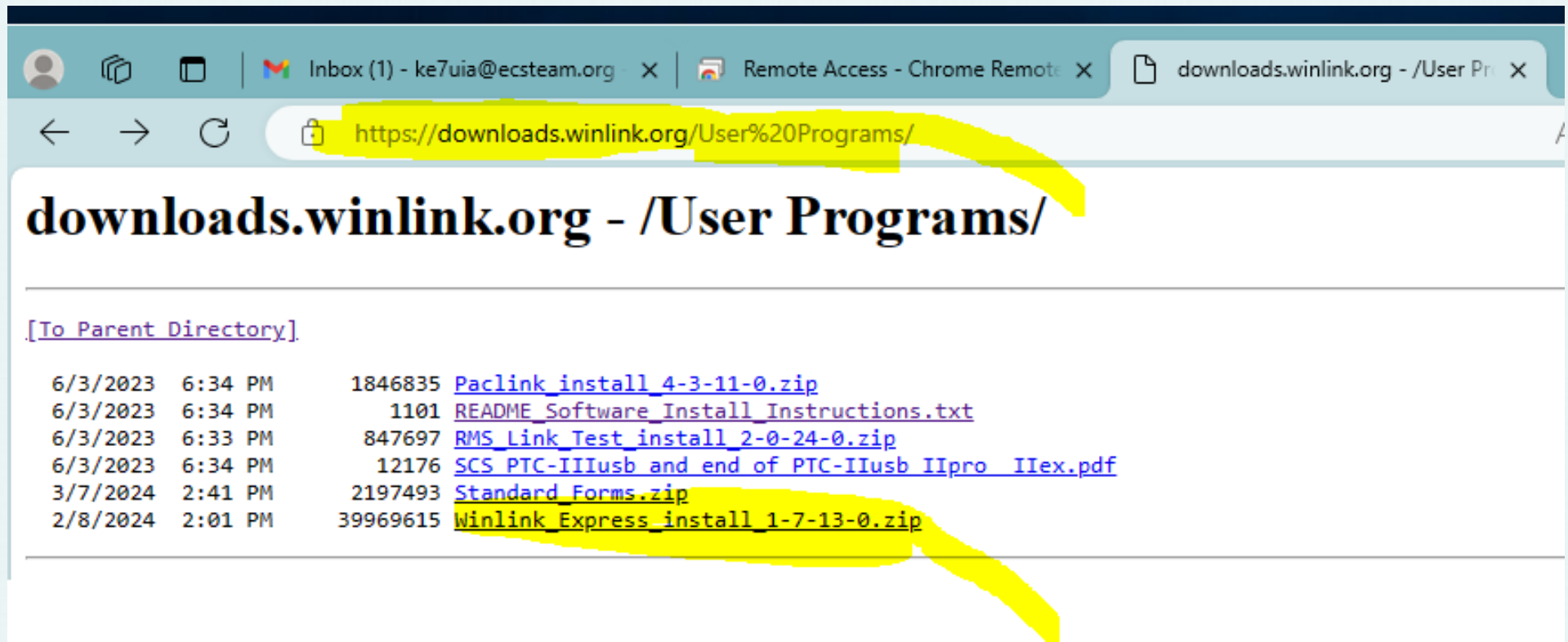
- Cables
- Digirig – sound cards

Installation

- Go to downloads.winlink.org
- Perform a regular install on your system
- Obtain winlink account email address
- Fill out Setup Screen
 - Call sign
 - Password
 - Locator number, etc



Download.winlink.com



downloads.winlink.org - /User Programs/

[\[To Parent Directory\]](#)

6/3/2023	6:34 PM	1846835	Paclink_install_4-3-11-0.zip
6/3/2023	6:34 PM	1101	README_Software_Install_Instructions.txt
6/3/2023	6:33 PM	847697	RMS_Link_Test_install_2-0-24-0.zip
6/3/2023	6:34 PM	12176	SCS_PTC-IIIusb_and_end_of_PTC-IIusb_IIpro_IIex.pdf
3/7/2024	2:41 PM	2197493	Standard_Forms.zip
2/8/2024	2:01 PM	39969615	Winlink_Express_install_1-7-13-0.zip



Setup screen

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

My Grid Square:

Winlink Express registration key:

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
☐ Automatically install field-test (beta) versions of Winlink Express
☐ Automatically install updates without prompting

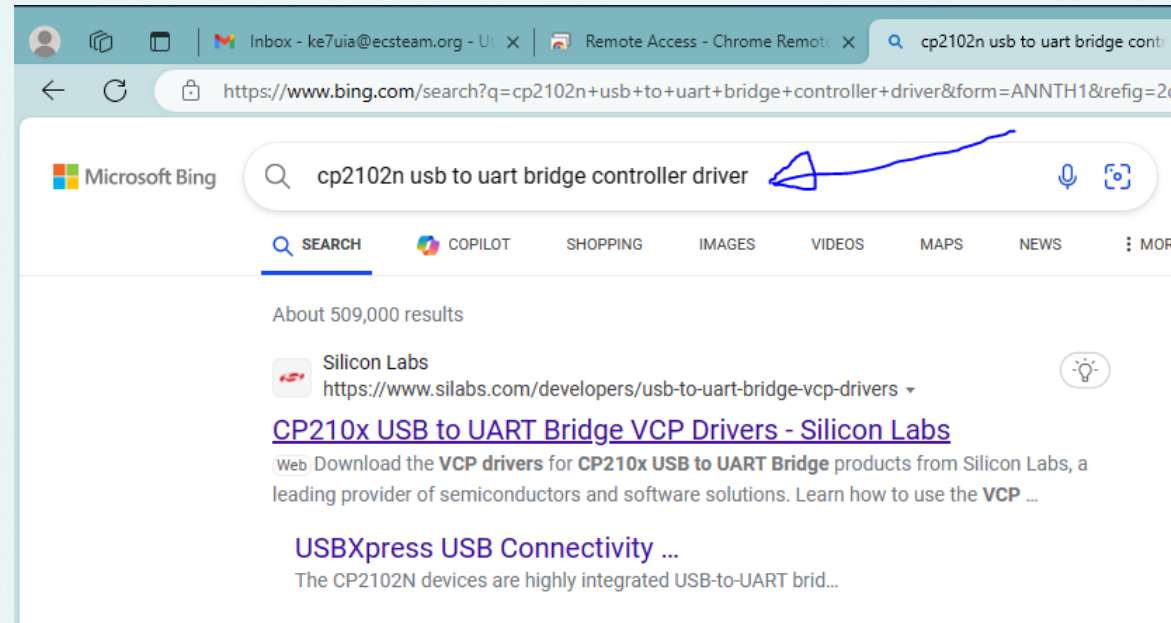
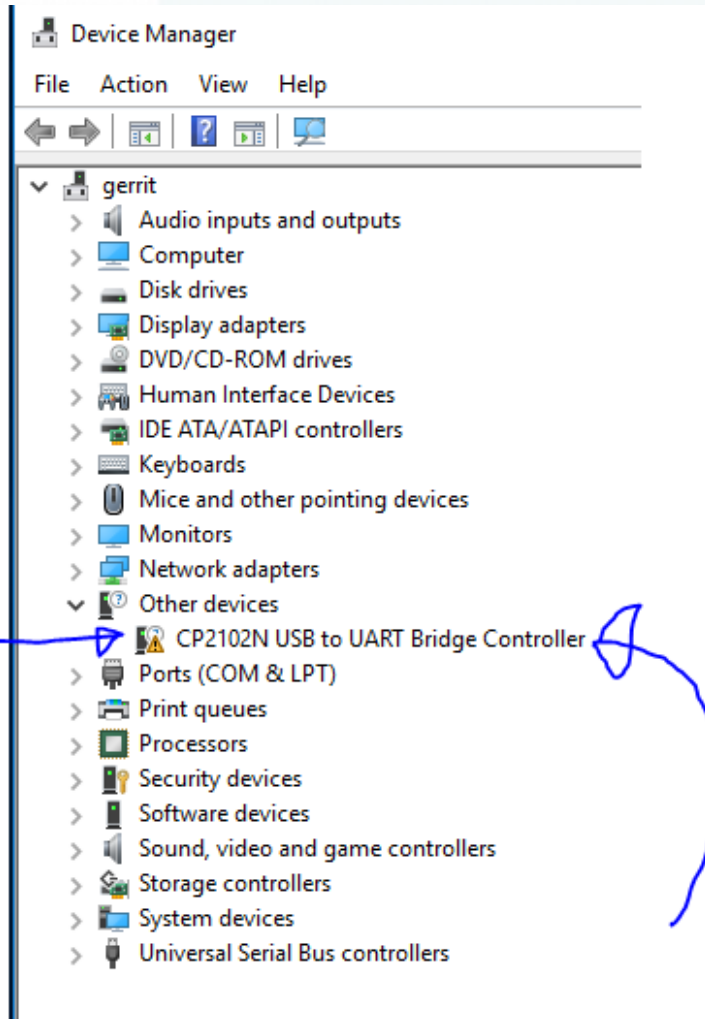


Obtain email address

- Read instructions on winlink.org
- Youtube.com is your friend
- Your winlink email address is just your call sign
- Example = ie. ke7uia



Install Drivers

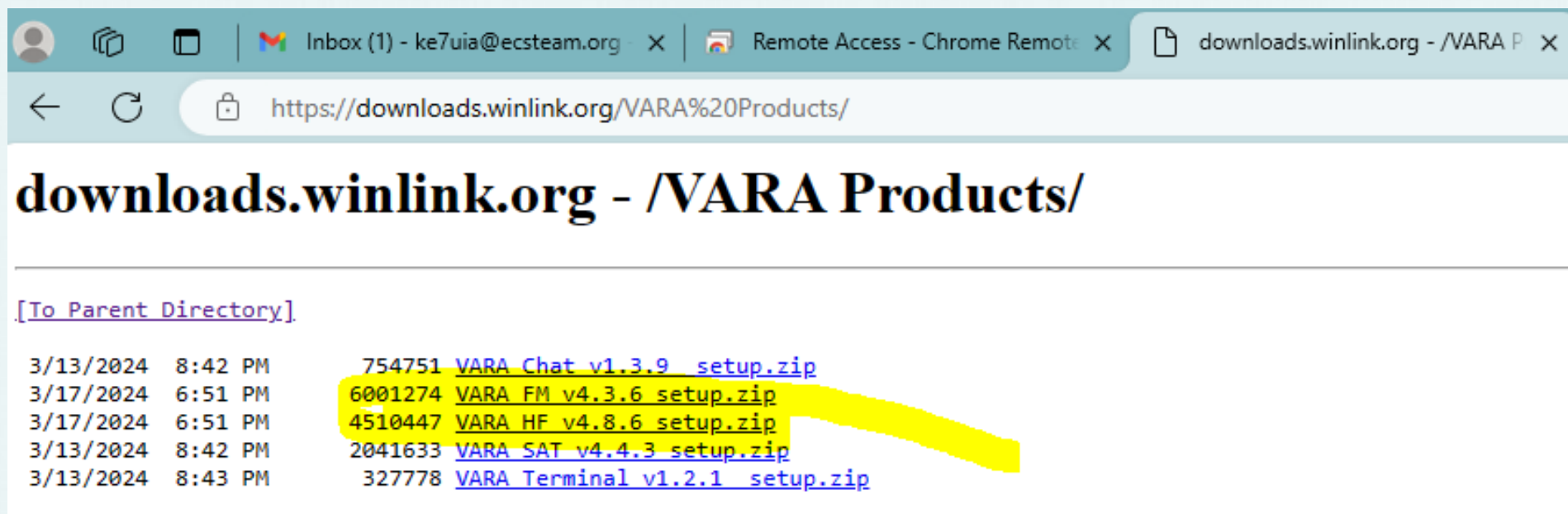


Com Ports

- > Monitors
- > Network adapters
- ▼ Ports (COM & LPT)
 - Communications Port (COM1)
 - Intel(R) Active Management Technology - SOL (COM3)
 - Silicon Labs CP210x USB to UART Bridge (COM4)
- > Print queues
- > Processors
- > Security devices
- > Software devices
- ▼ Sound, video and game controllers
 - High Definition Audio Device
 - Realtek High Definition Audio
 - USB PnP Sound Device
- > Storage controllers
- > System devices
- > Universal Serial Bus controllers



Download VARA FM

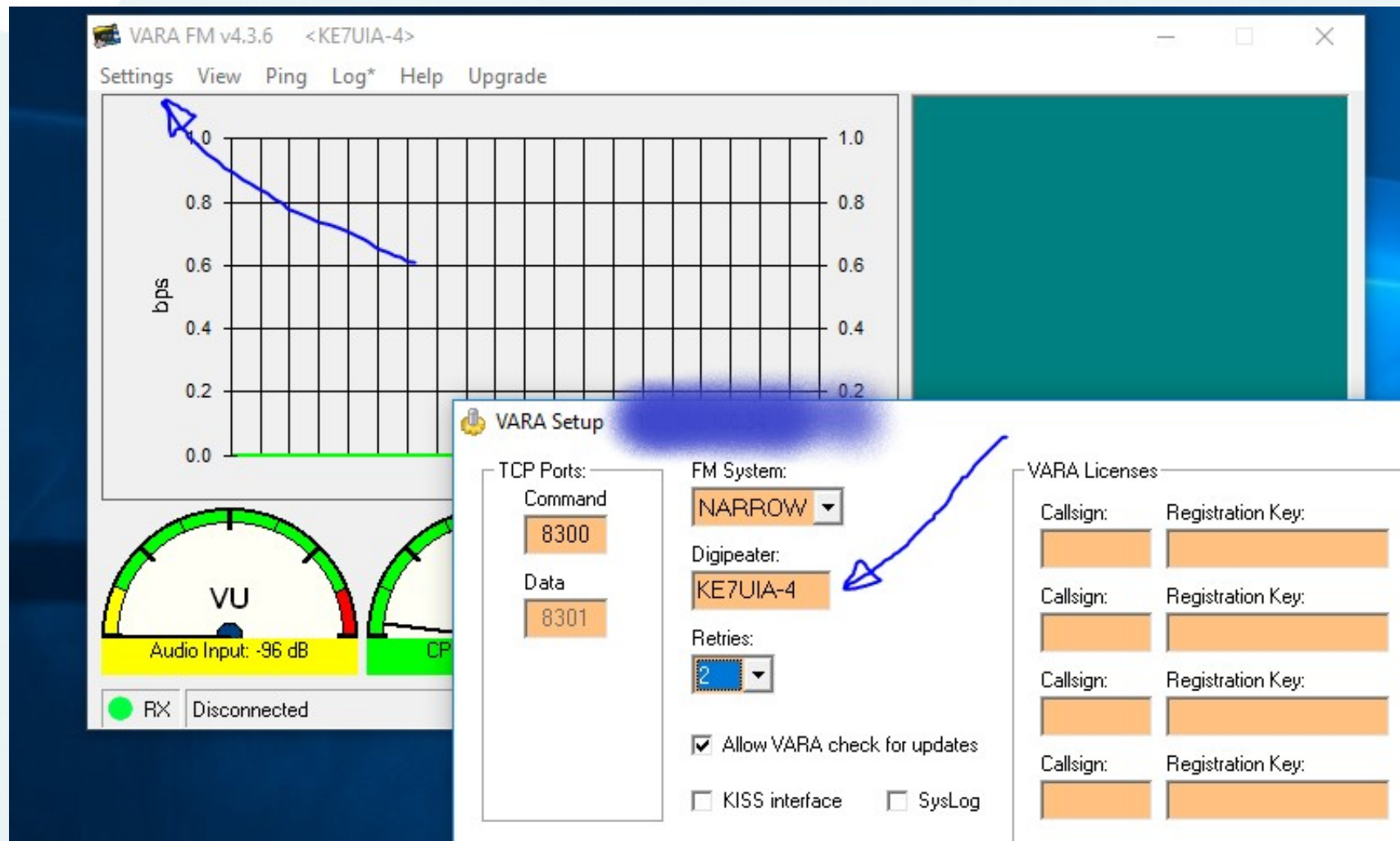


The screenshot shows a web browser window with the address bar displaying `https://downloads.winlink.org/VARA%20Products/`. The page title is **downloads.winlink.org - /VARA Products/**. Below the title, there is a link [\[To Parent Directory\]](#). A list of files is displayed, with the file `6001274 VARA FM v4.3.6 setup.zip` highlighted in yellow. The list includes the following entries:

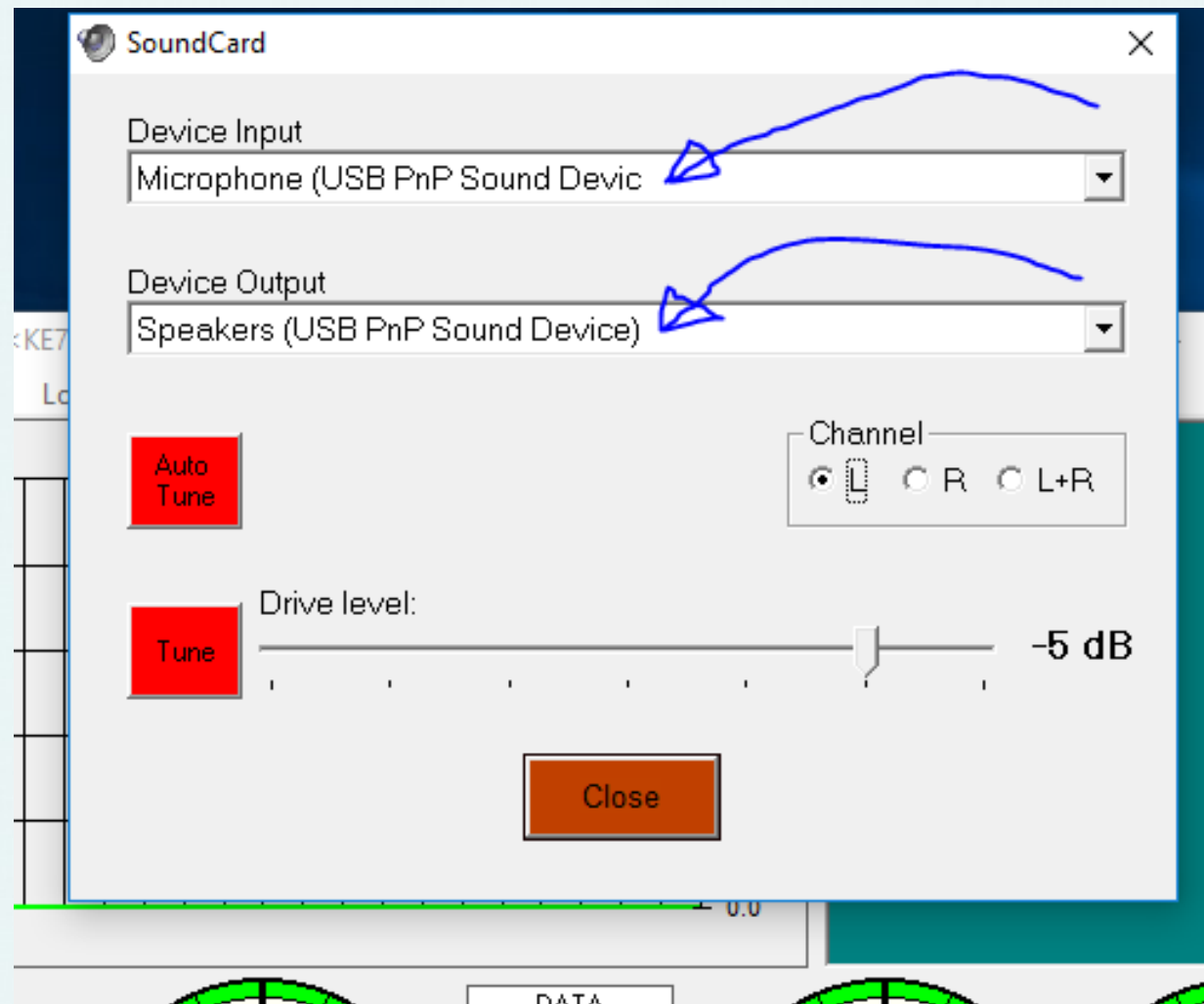
Date	Time	File Name
3/13/2024	8:42 PM	754751 VARA Chat v1.3.9 setup.zip
3/17/2024	6:51 PM	6001274 VARA FM v4.3.6 setup.zip
3/17/2024	6:51 PM	4510447 VARA HF v4.8.6 setup.zip
3/13/2024	8:42 PM	2041633 VARA SAT v4.4.3 setup.zip
3/13/2024	8:43 PM	327778 VARA Terminal v1.2.1 setup.zip



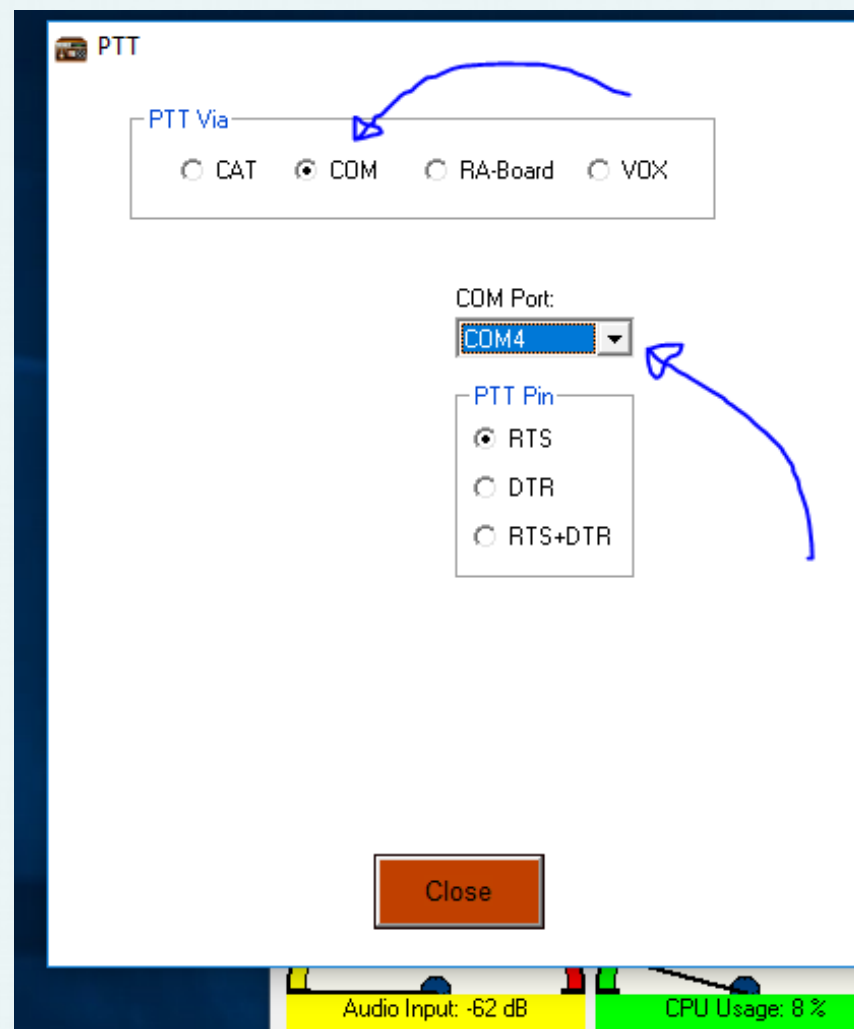
VARA Settings



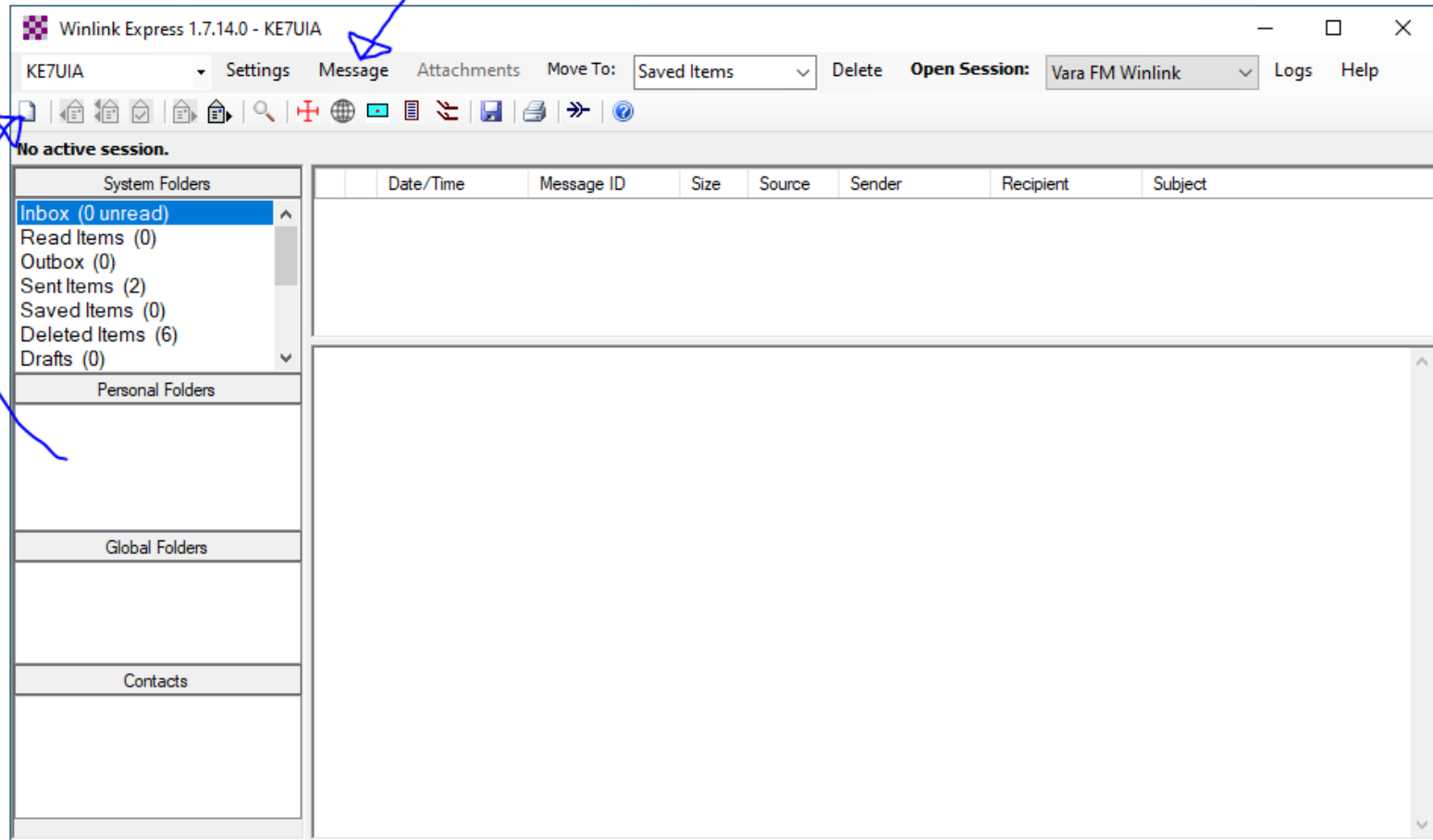
VARA – Sound Card



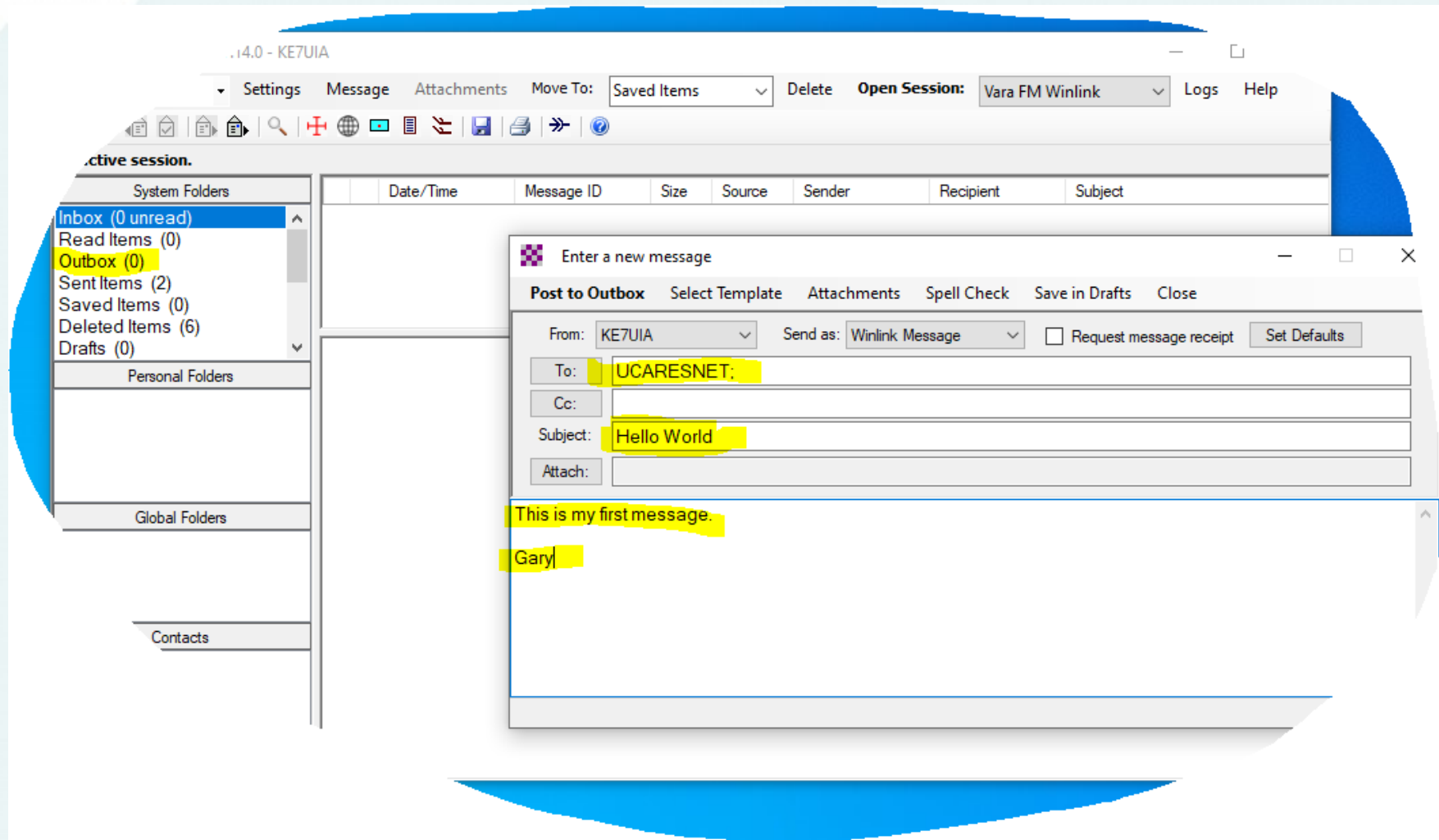
VARA – PTT Port



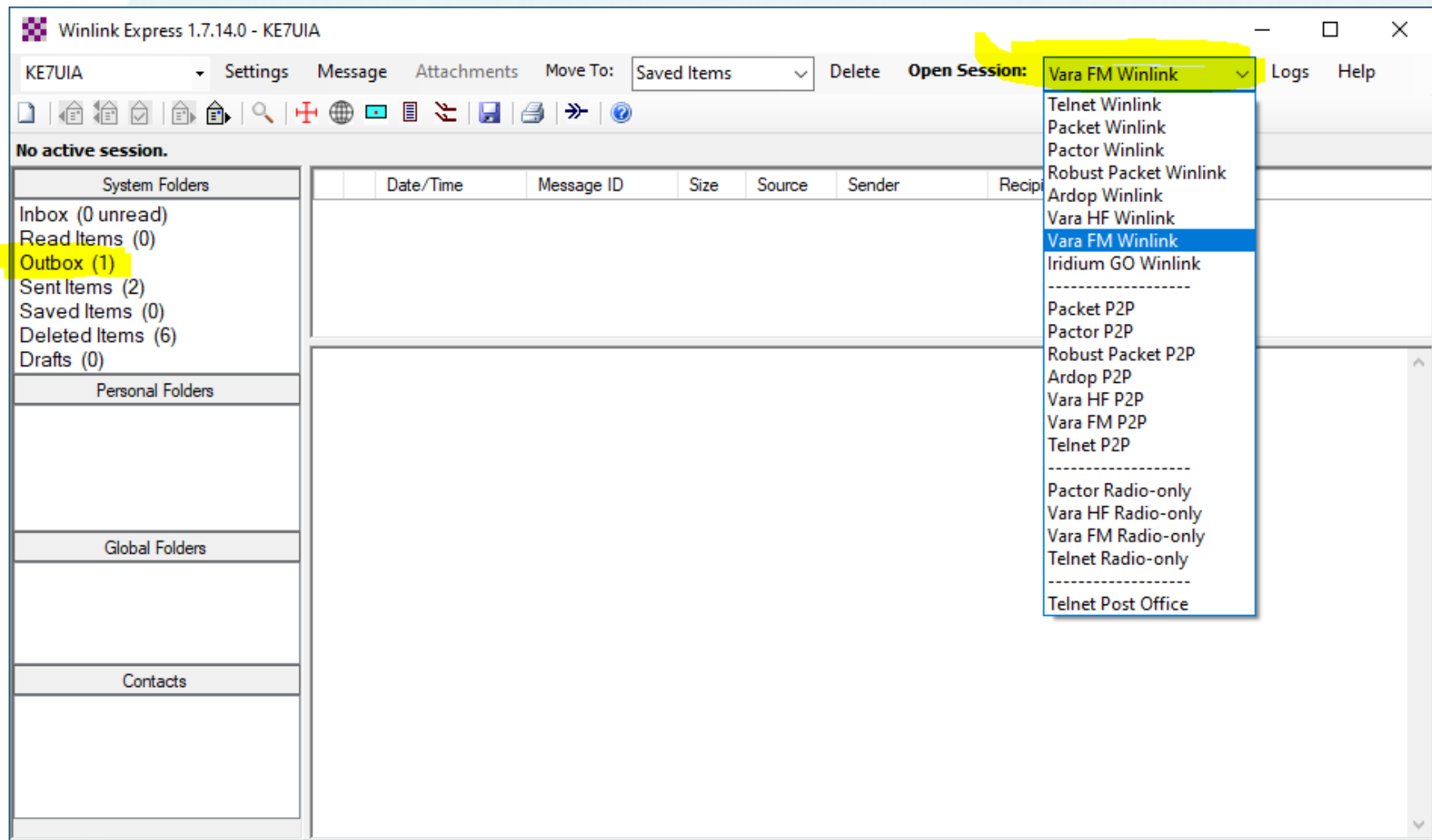
Create Message



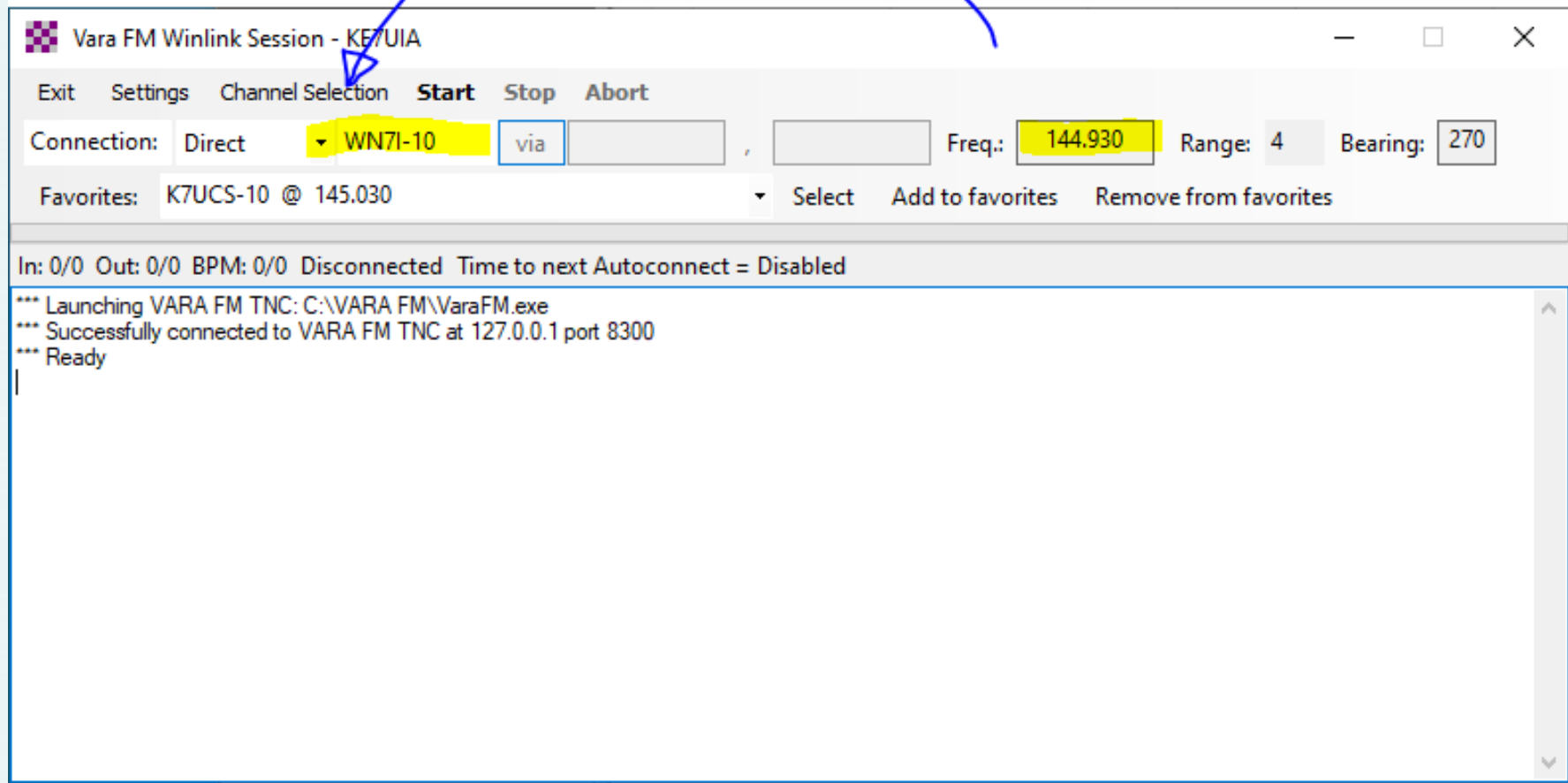
Create Message 2



Select Session Type



Select Channel



Select Channel 2

Channel Selection

ect ▼ WN7I-

JCS-10 @ 145.030

BPM: 0/0 Disconnect

RA FM TNC: C:\VARA FM
onnected to VARA FM T

Select Channel Update Table Via Internet Update

Stations found within 185 miles of your grid square.

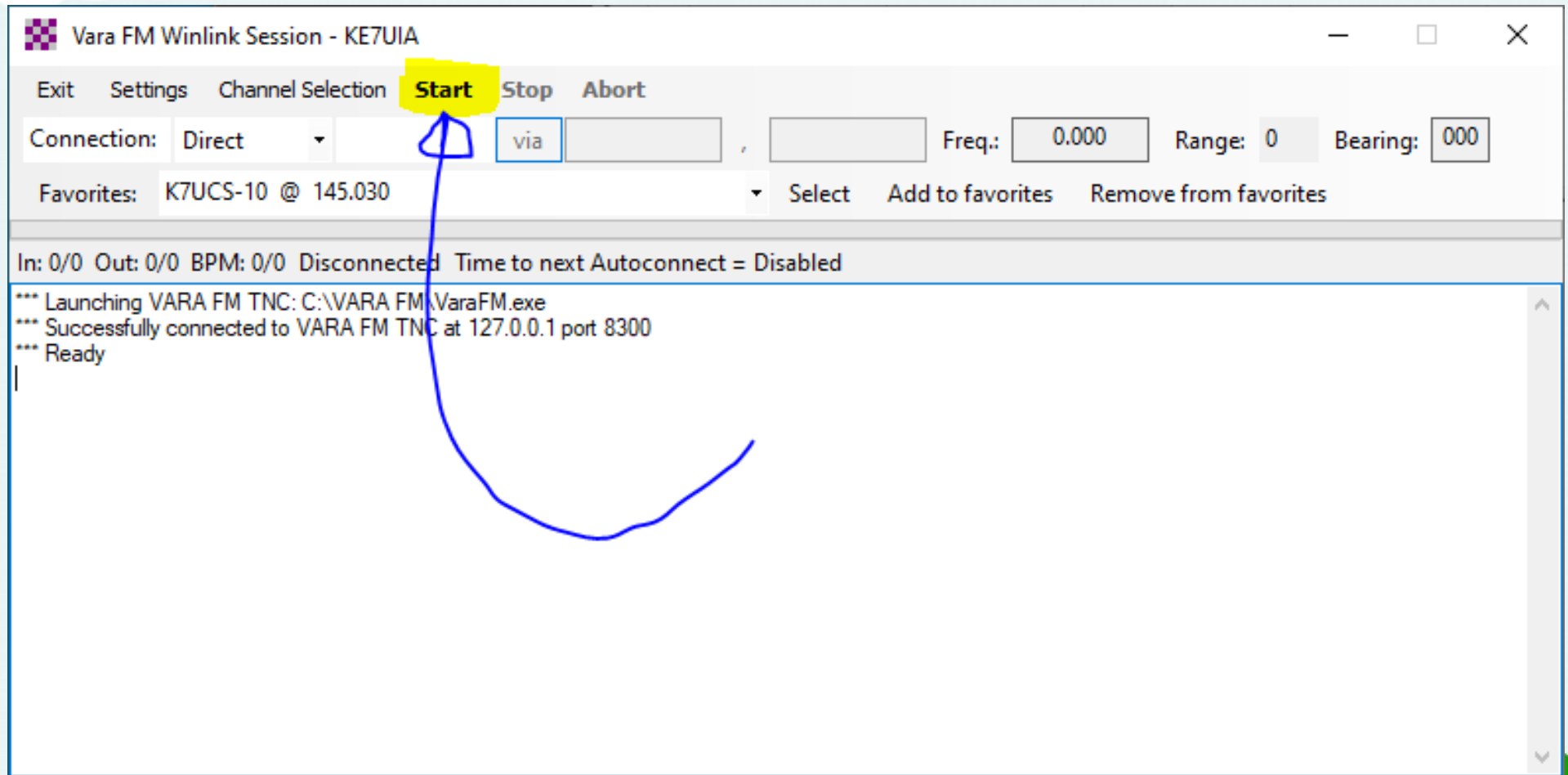
Callsign	Frequency (MHz)	Channel Width	Grid Square	Group	Distance (mi)	
WN7I-10	144.930	Wide	DN40CK	PUBLIC	004	2
WA7FFM-10	144.950	Wide	DN40DI	PUBLIC	006	180
KE7AU-10	144.950	Wide	DN40DH	PUBLIC	009	180
N7YUT-10	431.070	Wide	DN40BN	PUBLIC	012	313
K7DOD-10	145.050	Narrow	DN40BO	PUBLIC	014	321
K7UCS-10	145.030	Wide	DN40ED	PUBLIC	020	168
K7XRD-10	145.050	Wide	DN40BR	PUBLIC	022	336
K7DAV-10	431.450	Wide	DN40BX	PUBLIC	038	347
K7DAV-10	145.070	Wide	DN40BX	PUBLIC	038	347
NS7K-10	145.070	Narrow	DN31XC	PUBLIC	049	339
AC7II-10	145.050	Wide	DN41BN	PUBLIC		
KD7IIV-10	431.070	Wide	DN42BC	PUBLIC		
AG7MM-10	438.500	Wide	DN32EH	PUBLIC		

RMS Express

A request *



Press Start

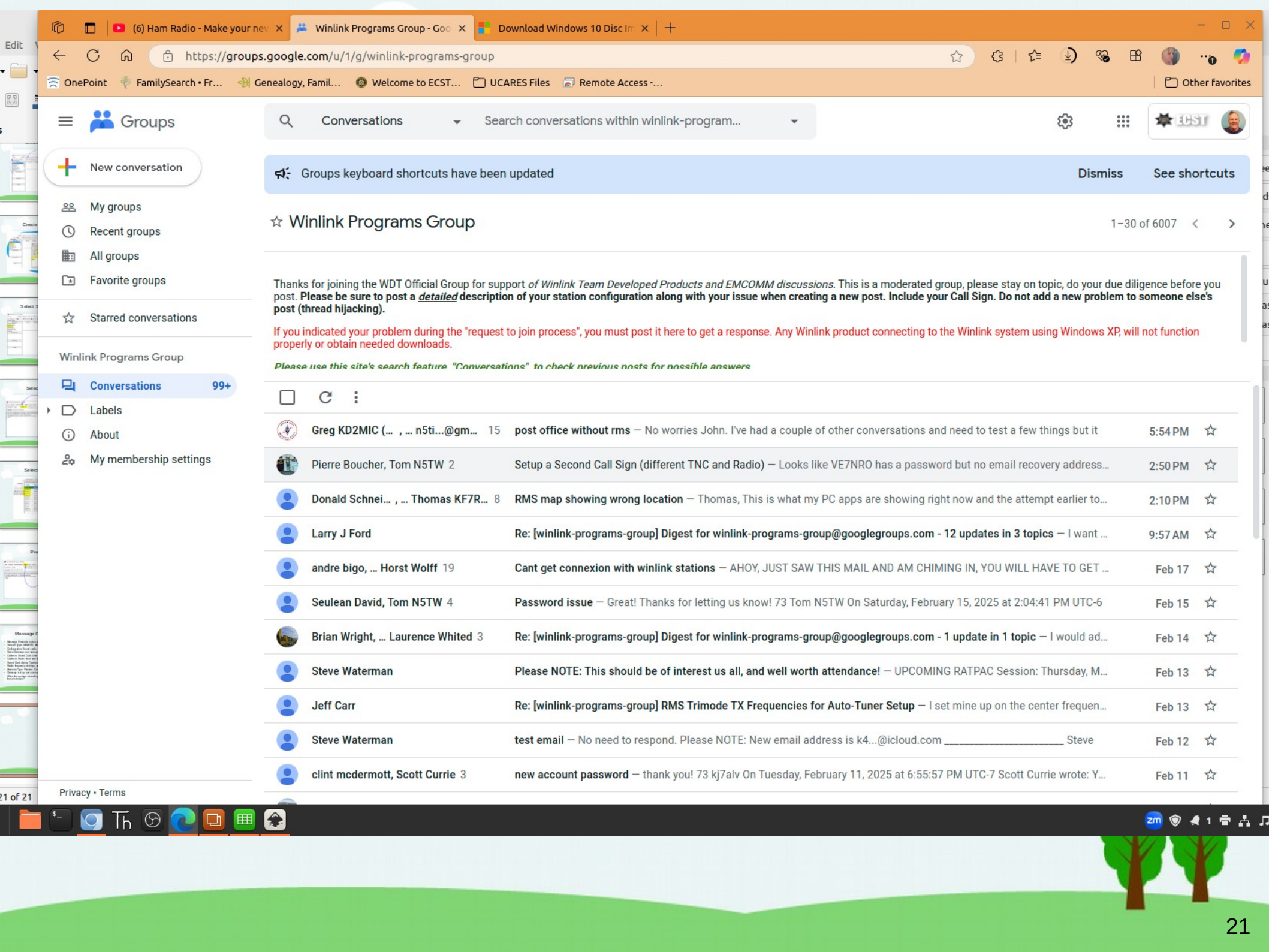


Message Path with VARA

- Message: Posted in outbox. Addressed correctly
- Session Type: VARA FM, VARA HF
- Configuration: Sound cards, PTT
- Select Gateway: one near you
- Cables to Sound Card: short and choked
- Cables to Radio: short and choked
- Sound Card: digirig, Tigertronics
- Radio: frequency, settings, power
- Antenna: Type, Position, Connections
- Gateway: is it up and running

When this method of sending winlink email is broken, which one of these is broken?





Winlink Info Locations

- <https://winlink.org/>
 - User Programs, Book of Knowledge, Support, Maps, My Account
- <https://github.com/ke7uia/Winlink>
- Linux installations
 - <https://github.com/km4ack/73Linux>
- <https://www.youtube.com/@WaveTalkers>



Questions:

