

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

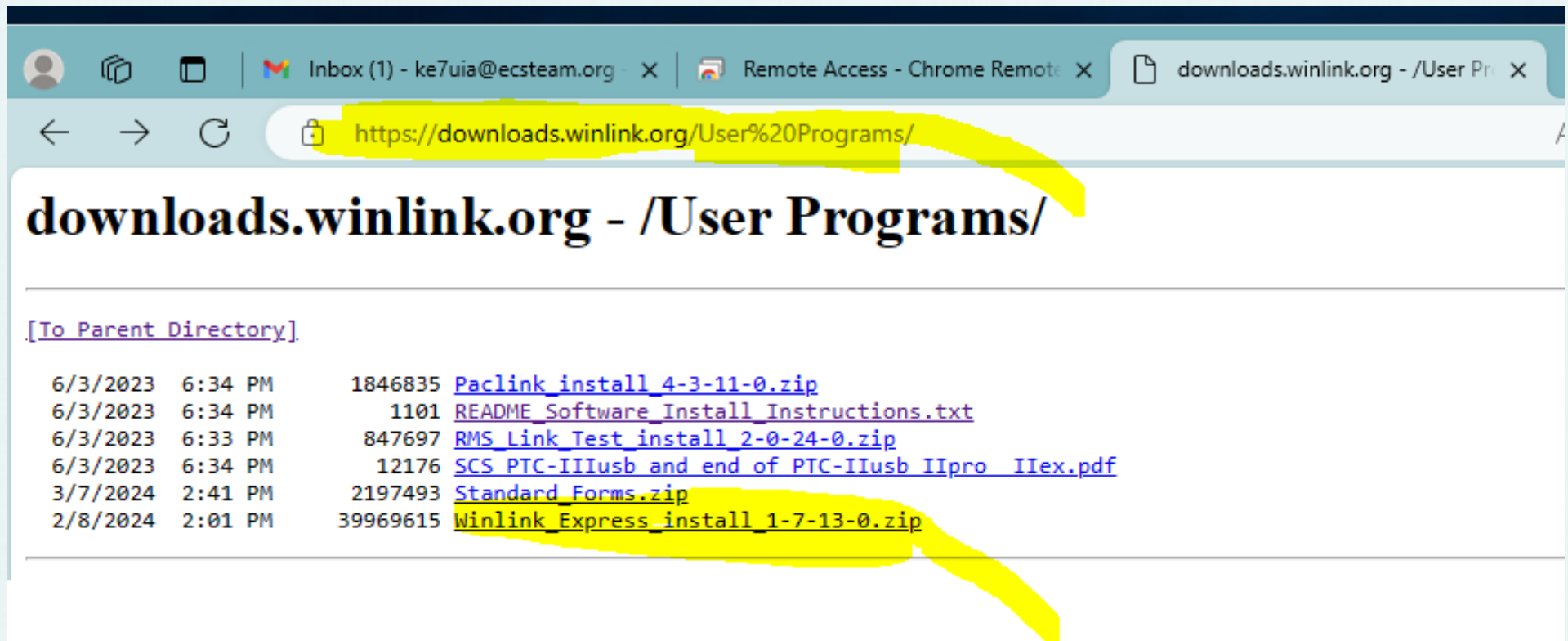


Installation

- 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

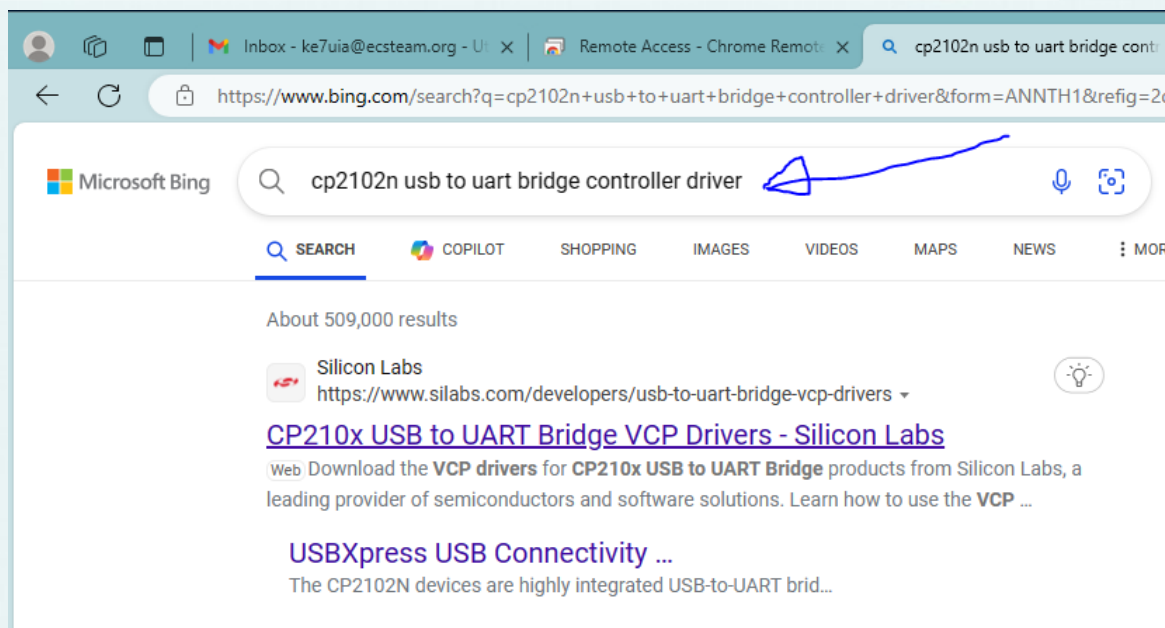
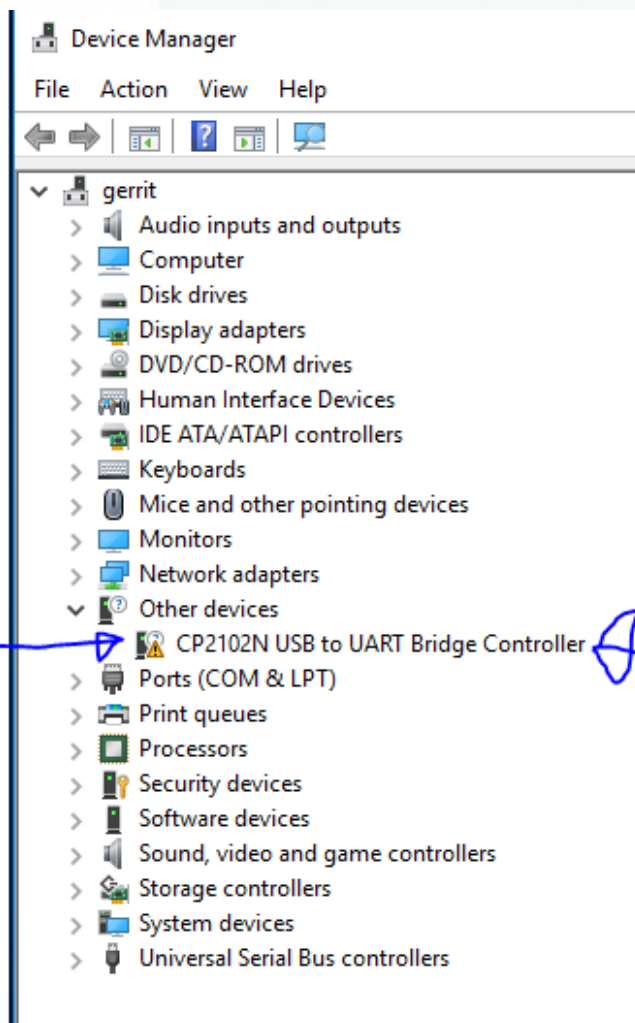


Obtain email address

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



Install Drivers

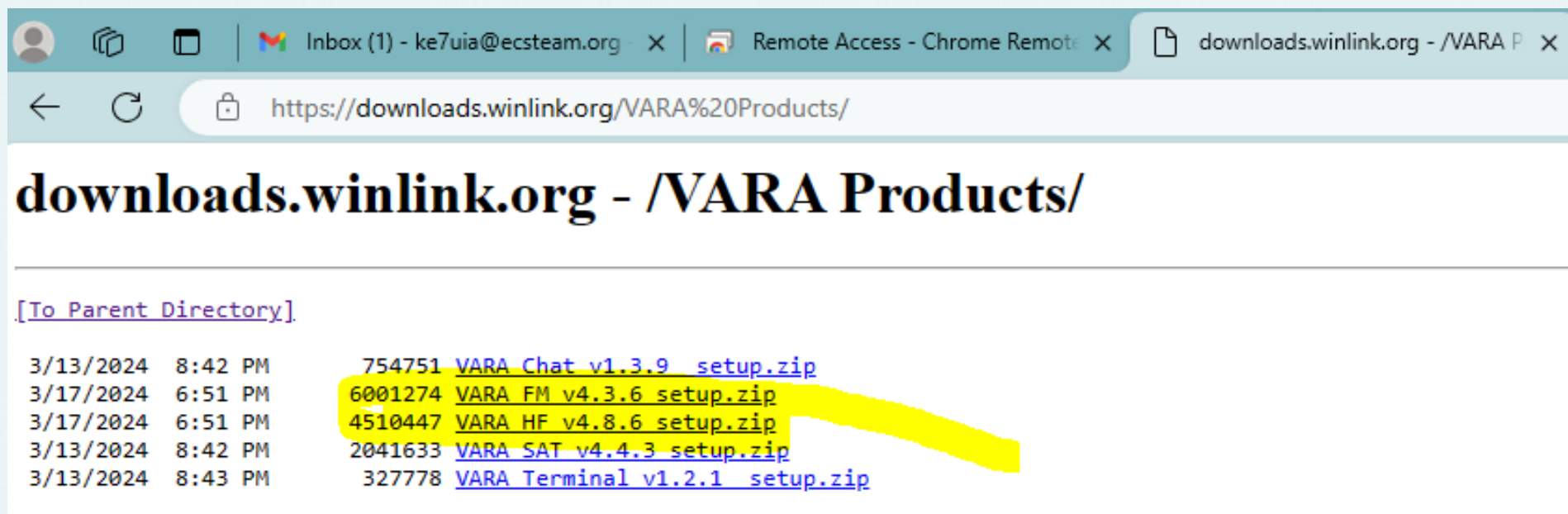


Com Ports

- > 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

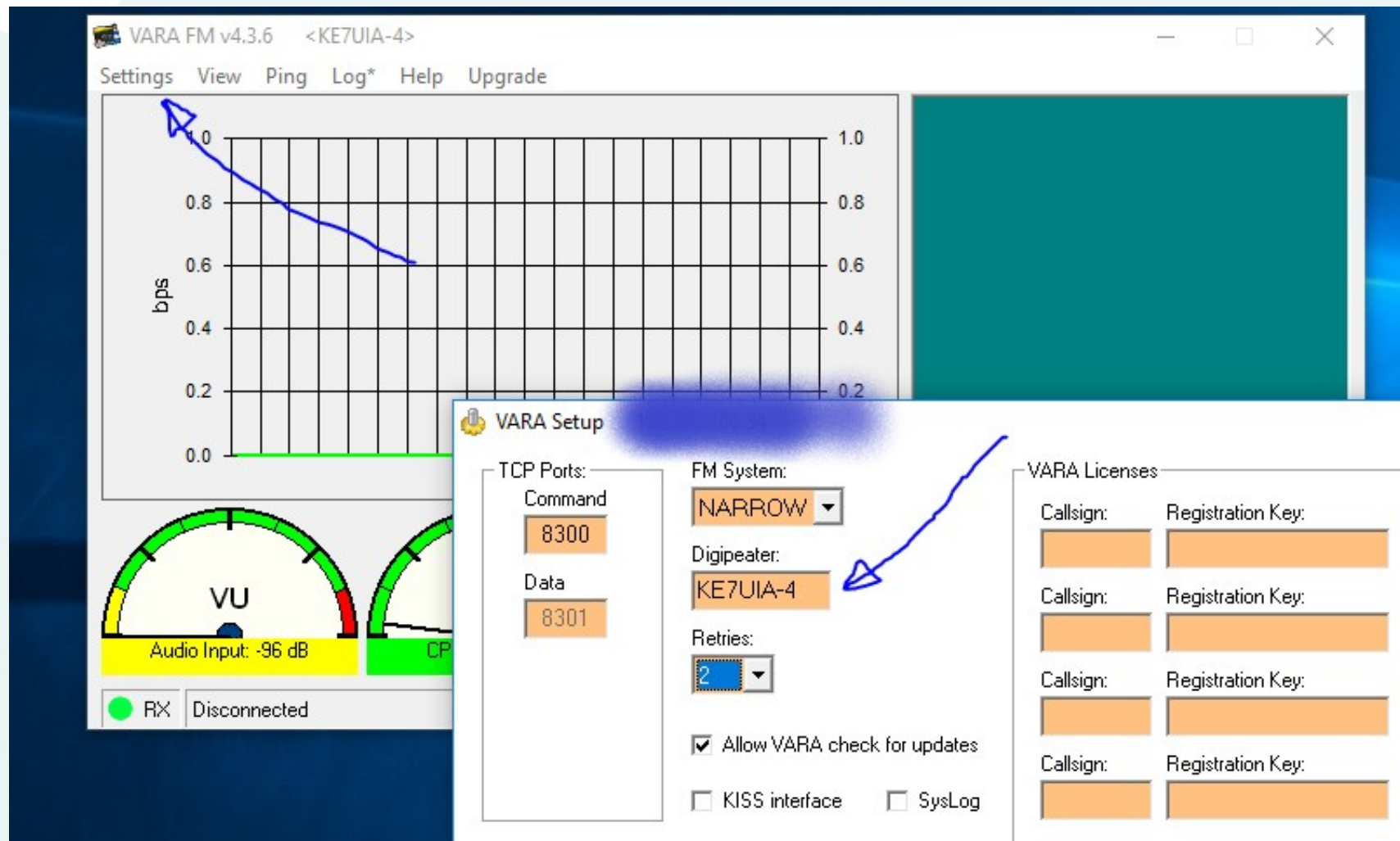


The screenshot shows a web browser window with the address bar displaying <https://downloads.winlink.org/VARA%20Products/>. The page title is "downloads.winlink.org - /VARA Products/". Below the title, there is a link "[To Parent Directory]". A list of files is displayed, with the file "6001274 VARA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

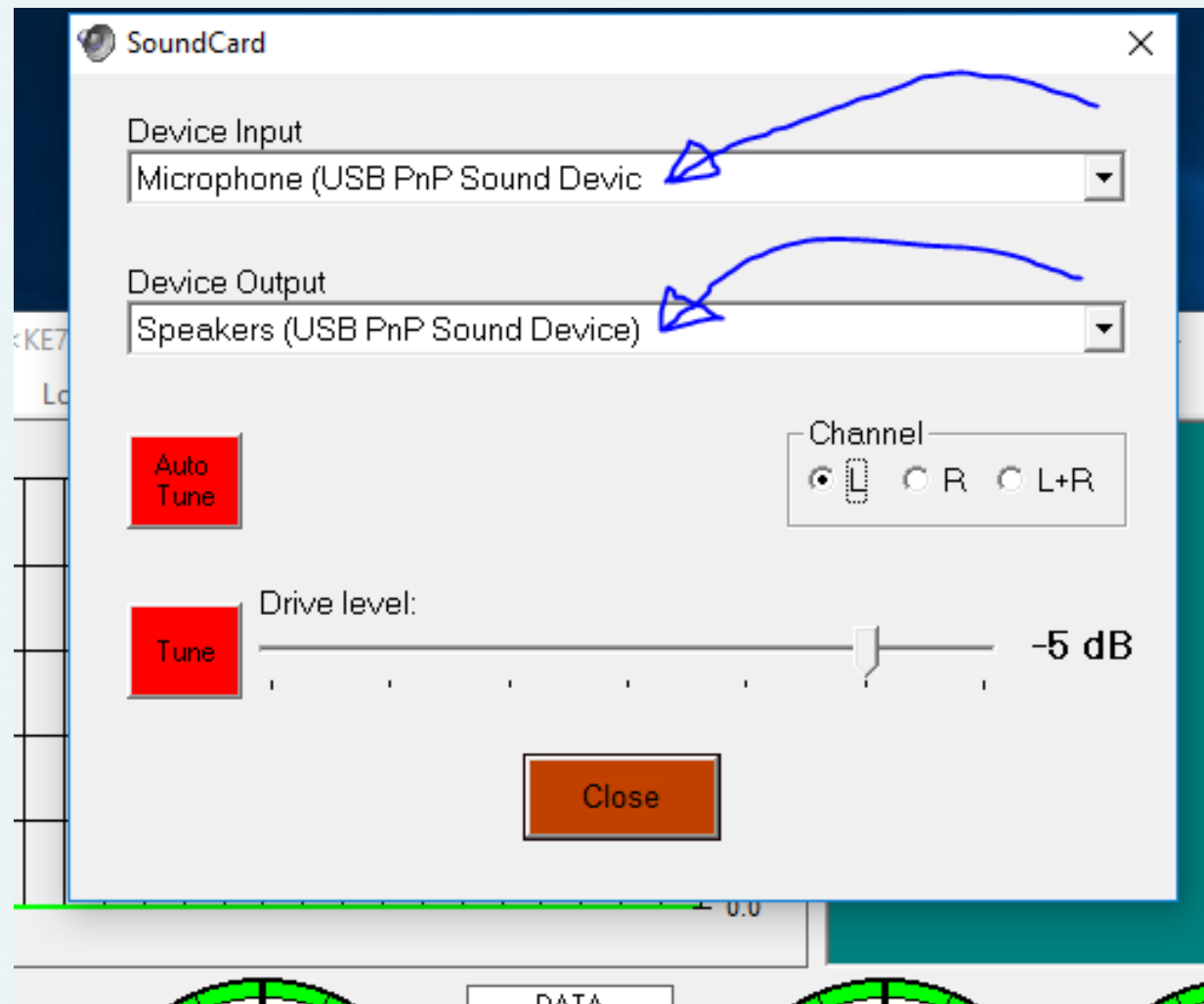
Date	Time	File Name
3/13/2024	8:42 PM	754751 VARA Chat v1.3.9 setup.zip
3/17/2024	6:51 PM	6001274 VARA FM v4.3.6 setup.zip
3/17/2024	6:51 PM	4510447 VARA HF v4.8.6 setup.zip
3/13/2024	8:42 PM	2041633 VARA SAT v4.4.3 setup.zip
3/13/2024	8:43 PM	327778 VARA Terminal v1.2.1 setup.zip



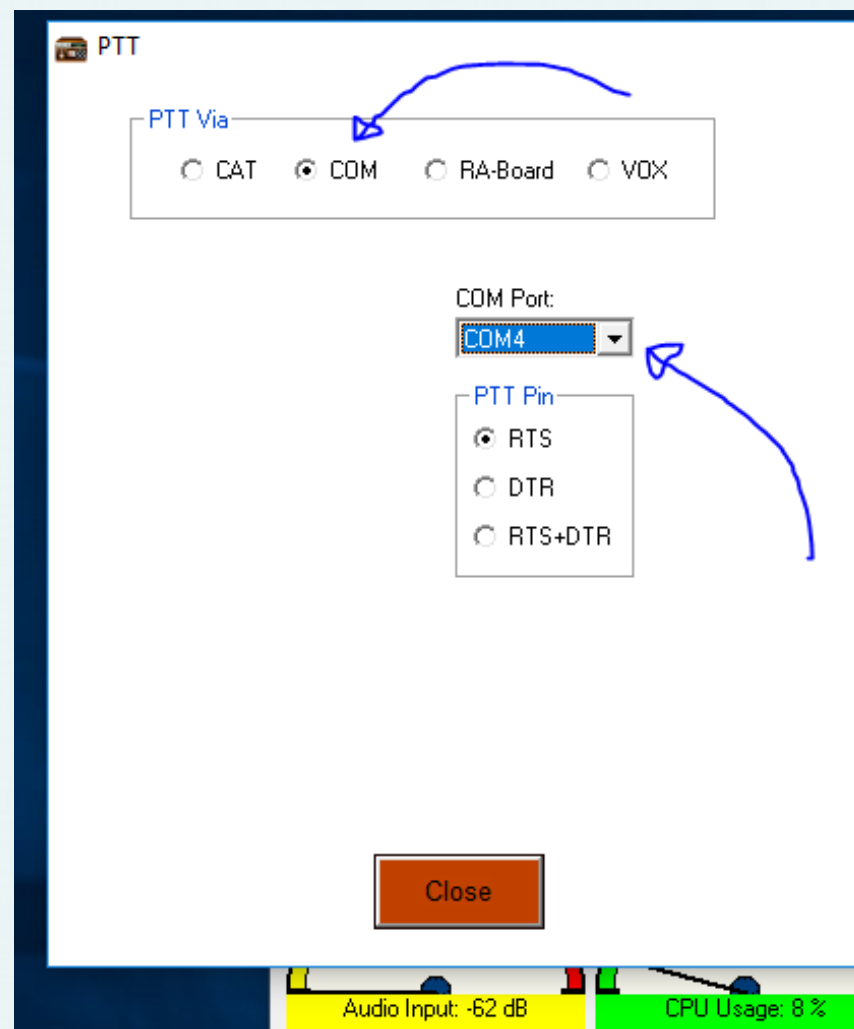
VARA Settings



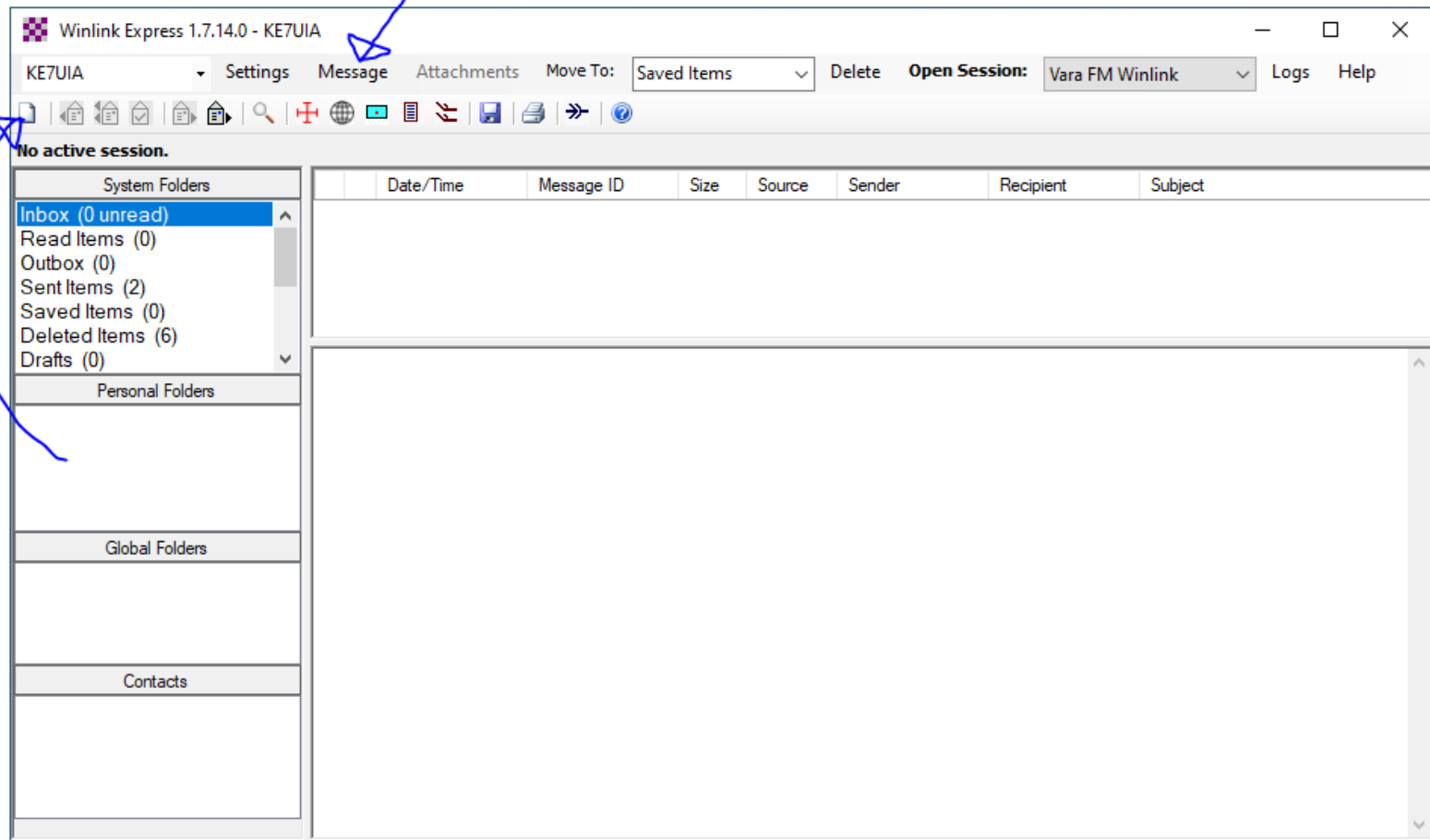
VARA – Sound Card



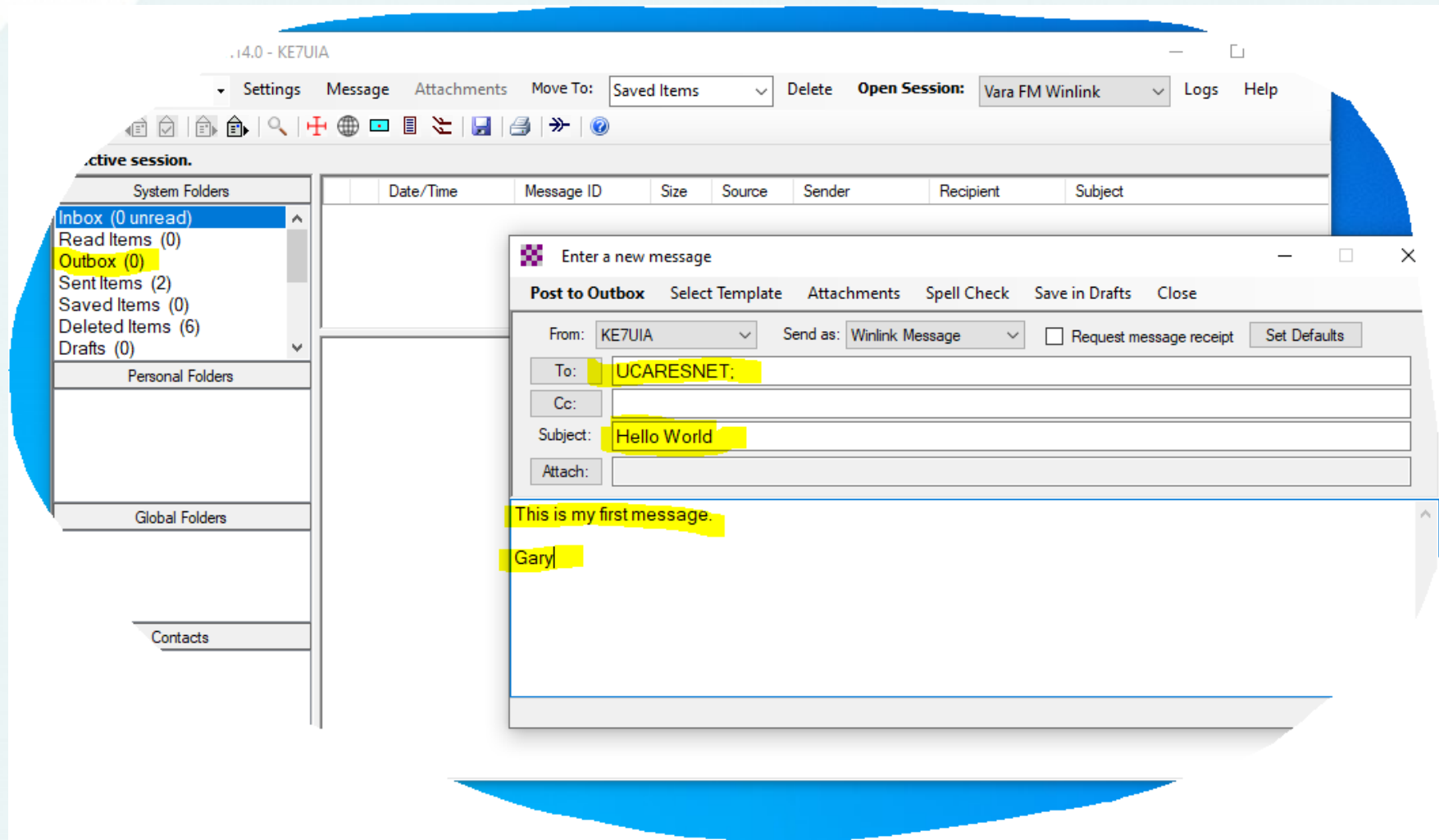
VARA – PTT Port



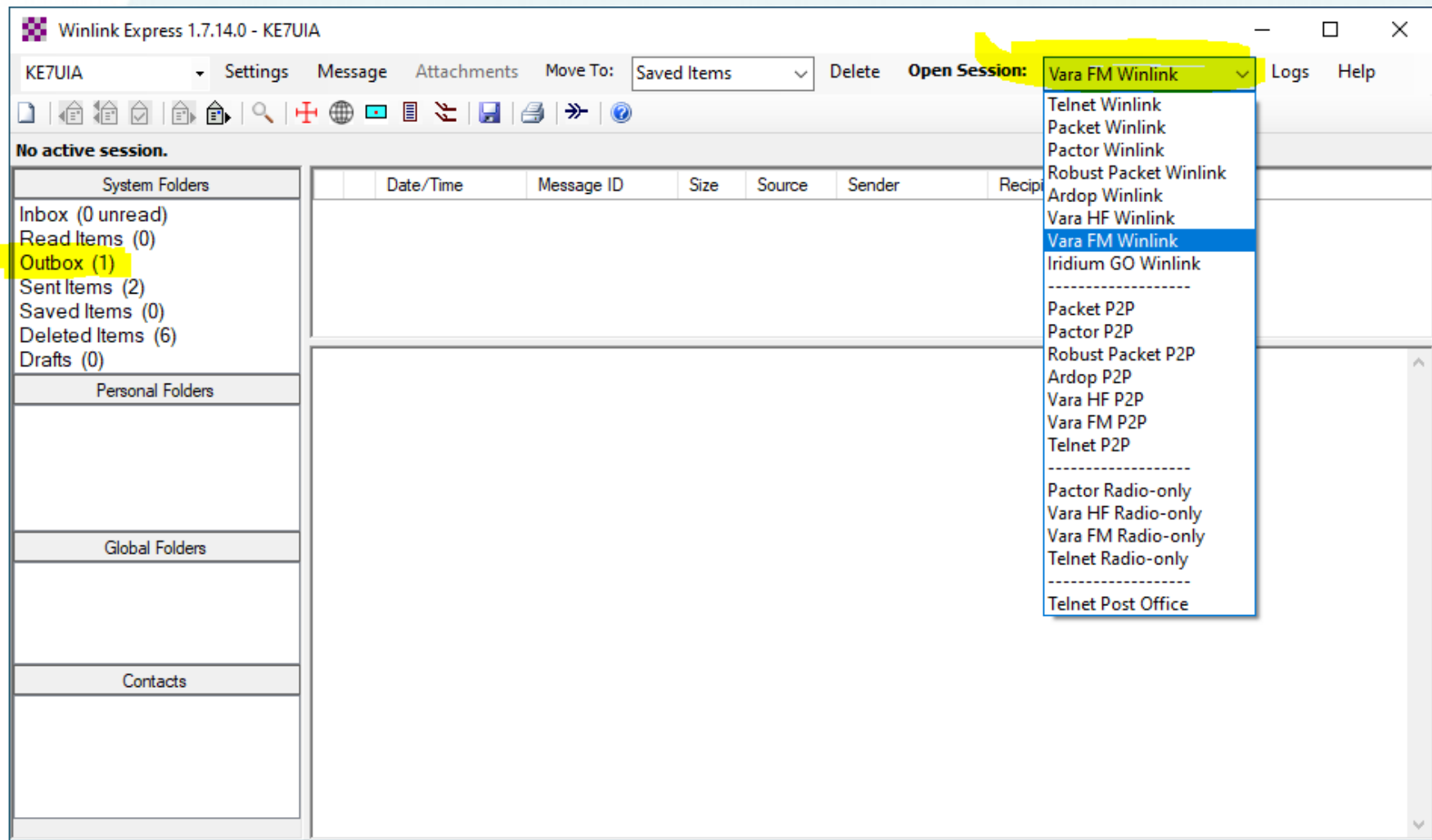
Create Message



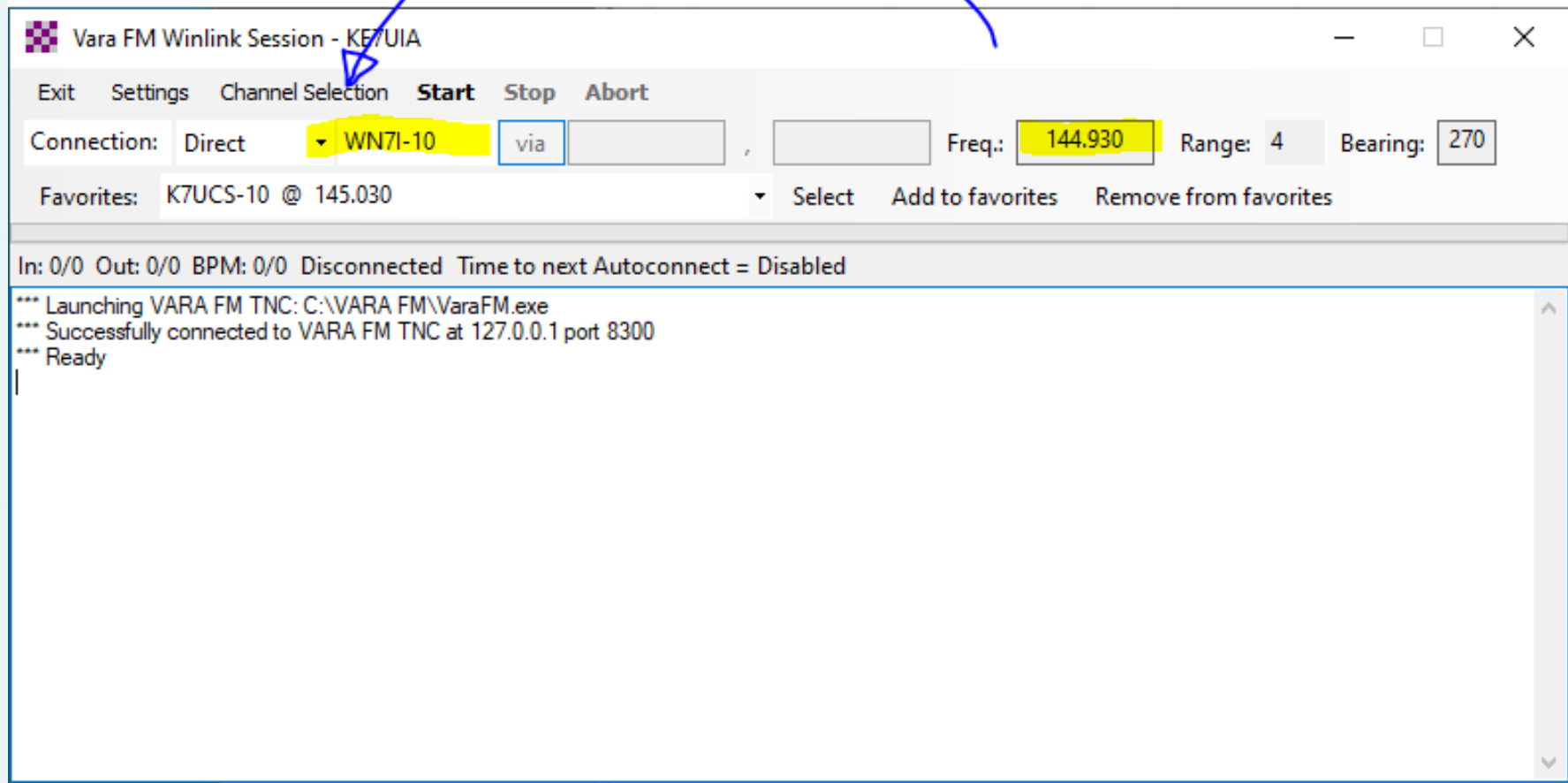
Create Message 2



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
connected to VARA FM TNC

Select Channel Update Table Via Internet Update

Stations found within 185 miles of your grid square.

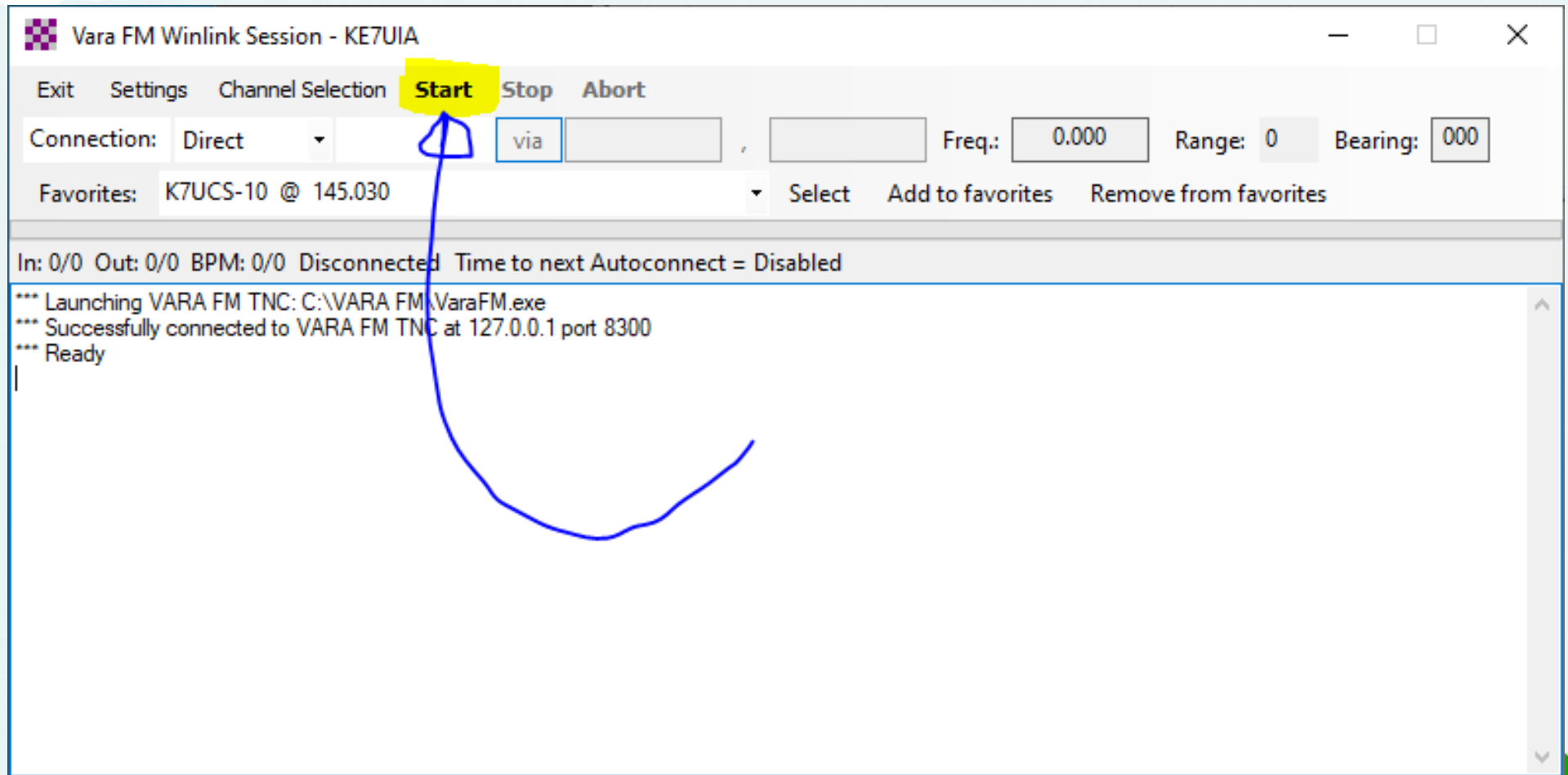
Callsign	Frequency (MHz)	Channel Width	Grid Square	Group	Distance (mi)	
WN7I-10	144.930	Wide	DN40CK	PUBLIC	004	2
WA7FFM-10	144.950	Wide	DN40DI	PUBLIC	006	180
KE7AU-10	144.950	Wide	DN40DH	PUBLIC	009	180
N7YUT-10	431.070	Wide	DN40BN	PUBLIC	012	313
K7DOD-10	145.050	Narrow	DN40BO	PUBLIC	014	321
K7UCS-10	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 sending winlink email with VARA, does not work, which one of these is broken?



Questions/Comments





Thank you

