Winlink Workshop

VARA FM P2P Setup

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Winlink Settings:

- Open "Winlink Express"
- o Click "Settings"
- Select "Winlink Express Setup"
- Make sure the following fields are filled out
 - My Callsign
 - My Password
 - Password Recover E-mail
 - My Grid Square

My Callsign: K3	BVLR	My Password: (Case sensitive)	•••••
Callsign suffix (optional):	(Used for	country code)	Change password
Password recovery e-ma	ail: k3vlr1@gmail.c	om	
(Non-Winlink e-mail add	ress where lost pass	word will be sent wh	en requested)
Remove Callsign	Request pa	ssword be sent to red	covery e-mail
Remove Callsign	Request pa	ssword be sent to rea	covery e-mail
Remove Callsign	Request pa	Add Entry Remove Entry	covery e-mail

- Click "Update" to save
- To switch from Telnet to VARA FM P2P
 - On the main Winlink Express window find "Open Session" on the top right.
 - Click the drop down menu next to "Open Session"
 - Select "VARA FM P2P"
 - Click "Open Session"
 Winlink Express 1.7.19.0 K3VLR
 - K3VLR Settings Message Attachments Move To: Saved Items Delete Open Session: Vara FM P2P

✓ Logs

• VARA FM will launch

VARA FM Settings:

- Click "Settings"
- Click "VARA Setup"
- Set "Command" to "8300"
- Set "FM System" to "Narrow"
- Set "Retries" to "6"
- Click "Close"

CP Ports:	FM System:	VARA Licens	es
Command	NARROW -	Callsign:	Registration Key:
8300	Digipeater:	K3VLR	Andrew and a state of the state
Data		Callsign:	Registration Key:
0001	Retries:		
	6 💌	Callsign:	Registration Key:
	Allow VARA check for updates		
		Callsign:	Registration Key:

VARA FM PTT:

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- Click "Settings"
- Click "PTT"
- Select "RA-Board"
- Click "Close"

PTT 🗃



VARA FM Sound Card (For the Digirig device):

- Click "Settings"
- Click "Sound Card"
- Under "Device Input" select "Microphone (USB Audio Device)"
- Under "Device Output" select "Speakers (USB Audio Device)"
- Under "PTT" select "RA-Board-1"
- Under "Channel" select "L"

PTT
 RA-Board-1
-3
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Radio settings for your HT:

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- Enter the simplex frequency of 145.030 MHz
- o Set Radio to "Wide"
- \circ Set squelch to "Zero"
- o Set power level to "Low" (Since we will all be in the same room)
- Adjust volume on radio so "Audio Input" is in the green:



Team up with a partner and test your setup:

- From VARA FM Click "Settings"
- o Click "Sound Card"
- o Click "Auto Tune"
- Under "Calibrate with" enter your partners callsign
- o Click button to the right to start transmitting

Calibrate	with:
KJ3X	÷

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Drive Level Calibration



- Once it is done you will receive a Calibration Report
- O Review settings and Click "Close"
- Please Note: If your HT power level is set to high the test may not work. Set your power level to low and have some distance between the two radios.

A good troubleshooting tool is to monitor the audio from your HT on the computer speakers. This is not needed if everything is working:

- o Go to Control Panel.
- Double click on "Sound"
- Click the "Recording" Tab
- Select "Microphone (USB Audio Device)"
- o Click "Properties"
- Click the "Listen" tab
- o Check the box "Listen to this device"
- Click "OK"

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o Click "OK" again

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For this setup I am using a Dell laptop running Windows 11 and a Kenwood TH-D72 handheld radio. I also purchased the items listed below:

- Digirig Lite: <u>https://digirig.net/product/digirig-lite/</u>
- Digirig cable for Baofeng/Kenwood/Wouxon HT: https://digirig.net/product/baofeng-cables/
- VARA FM: <u>https://rosmodem.wordpress.com/</u>
- You can use the free version of VARA FM if you are using P2P. In order to use the digipeater function you must have the paid version. I emailed the author, and he confirmed that a single VARA license can be used for VARA FM and VARA HF. You can also use the license on your desktop and your laptop computers.