SignaLink Box Model #: ZTT-SLUSBRJ4

Setup Guide

- <u>https://winlink.org/sites/default/files/RMSE_FORMS/vara_fm_for_winlink_with_signalink_on_windows_v4_0.pdf</u>

Radio Connections:

- SignaLink SPKR > Radio SP1 (Center Speaker Jack)
- SignaLink RADIO > Radio microphone jack (RJ45 port)
- SignaLink USB Cable Computer USB Port (Windows)
- Squelch fully open

SignaLink Settings:

- TX 9 PM Position (3rd Notch)
- RX 9 PM Position (3rd Notch)
- DLY 7:30 PM Position (Halfway between 1st and 2nd notches)

Windows Settings

- Active Playback Device
 - Speaker Icon > Speakers (High Definition Audio Device)

Sound Control Panel

Sound > Playback

Sound > Recording

Sound X	Sound X
Playback Recording Sounds Communications	Playback Recording Sounds Communications
Select a playback device below to modify its settings:	Select a recording device below to modify its settings:
Speakers High Definition Audio Device Default Device	High Definition Audio Device Ready
SignaLink TX USB AUDIO CODEC Default Communications Device	SignaLink RX USB AUDIO CODEC Ready
CABLE Input VB-Audio Virtual Cable Ready	CABLE Output VB-Audio Virtual Cable Default Device
Configure Set Default 💌 Properties	Configure Set Default 🔻 Properties
OK Cancel Apply	OK Cancel Apply

SignaLink TX Properties

SignaLink TX Properties	X SignaLink TX Properties X
General Levels Enhancements Advanced Spatial sound	Convert Levels Enhancements Advanced Control cound
	central control Elinancements Advanced Spatial sound
SignaLink TX	Speakers 100 Balance
Change Icon	
Controller Information	
USB AUDIO CODEC Properties	
(Generic USB Audio)	
Jack Information	
No Jack Information Available	
Device usage: Use this device (enable)	×
OK Cancel Appl	V OK Carcel Apply
Signal ink TY Properties	X
	SignaLink TX Properties
General Levels Enhancements Advanced Spatial sound	General Levels Enhancements Advanced Spatial sound
Select the enhancements to apply for your current speaker configuration. Changes may not take effect until the next time you star	t Default Format
playback.	Select the sample rate and bit depth to be used when running in
Disable all enhancements	shared mode.
Bass Boost Virtual Surround	16 bit, 48000 Hz (DVD Quality)
Room Correction	
	Exclusive Mode
Enhancement Properties	Allow applications to take exclusive control of this device
Description:	Give exclusive mode applications priority
Provider:	
Status: Settings	
Restore Defaults Preview	•
	Restore Defaults
OK Cancel App	ly OK Cancel Apply
	×
SignaLink TX Properties	~
General Levels Enhancements	Advanced Spatial sound
Spatial sound format	
Select the Spatial sound form	at you want to apply.
Off	· · · · · · · · · · · · · · · · · · ·

SignaLink RX Properties

Signal ink BX Properties	➢ SignaLink RX Properties	×
	General Listen Levels Advanced	
Line	SignaLink RX Change Icon	
	Controller Information USB AUDIO CODEC (Generic USB Audio)	
	Jack Information No Jack Information Available	
	Device usage: Use this device (enable) ~	/
OK Cancel Apply	OK Cancel Apply	
General Listen Levels Advanced	Signallink RX Properties	~
You can listen to a portable music player or other device through this SignaLink RX jack.	Default Format Select the sample rate and bit depth to be used when running in shared mode.	
🧼 🔿 🐧	2 channel, 16 bit, 44100 Hz (CD Quality) V	
 Listen to this device Playback through this device: Default Playback Device Power Management Continue running when on battery power Disable automatically to save power 	Exclusive Mode	
OK Cancel Apply	Restore Defaults OK Cancel Apply	

Sound > Communications

) Sound	X Sound S
Playback Recording Sounds Communications	Playback Recording Sounds Communications
A sound theme is a set of sounds applied to events in Windows and programs. You can select an existing scheme or save one you have modified.	Windows can automatically adjust the volume of different sounds when you are using your PC to place or receive telephone calls.
Sound Scheme: No Sounds	When Windows detects communications activity:
To change sounds, click a program event in the following list and then select a sound to apply. You can save the changes as a new sound scheme. Program Events:	 Mute all other sounds Reduce the volume of other sounds by 80%
Windows Asterisk Calendar Reminder Close Program Critical Battery Alarm Critical Stop	 Reduce the volume of other sounds by 50% Do nothing
Default Beep V Play Windows Startup sound Sounds:	
(None)	
OK Cancel Apply	OK Cancel Apply

VARA FM > VU Meter

Sound > Sounds

Adjust SignaLink RX dial until the VU meter needle is at the center or just left of it.



Winlink for VARA FM

Open Winlink Express Select 'VARA FM Winlink' Open Session

Settings > VARA TNC Setup

😴 Vara FM Setup 🦰 🗕		×
		1
Virtual TNC host address/name: 127.0.0.1]
Virtual TNC Command Port: 8300 🖨 Data Port: 8	301	
VARA FM Modem location: C:\VARA FM\VaraFM.exe]
Automatically launch Vara FM TNC when session is	opened	
Automatic Calling		
Autoconnect time: Disabled 🗸		
Automatically call when there are pending outgoing mess	sages	
Update Cancel		

VARA FM Setup

Settings > VARA Setup

VARA License Callsign: Callsign: Callsign:	s Registration Key: Registration Key: Benicitation Key:
Callsign: Callsign:	Registration Key:
Callsign:	Begistration Key
Callsign:	Registration Key:
	to PC input from PC output
t for 9600 I	⊃acket operation,
	Callsign:

with a special soundcard interface (6 kHz BW) connected to rear panel: RA-Board, Signalink "Black" transforms, Modified Signalink (red audio transforms removed), homebrew interface (a simple direct cable)...

* In other case, you must select VARA FM NARROW



Settings > Soundcard

SoundCard	×
Device Input SignaLink RX (USB AUDIO_CODEC)	•
Device Output SignaLink TX (USB AUDIO_CODEC)	•
Tune Drive level:	Auto Tune Ping

Settings > PTT

PTT				
PTT Via-				
O CAT	О СОМ	C RA-Boar	d 💿 V0;	×
General Le	vels Enhancem	ents Advanced	Spatial sou	und
Speakers				
			100	With States and



Winlink > Open Session

🗱 Vara FM Winlink Session - KG4LNA	νſl	_	×
Exit Settings Switch to Peer-to-Peer Channel Selection Start Connection: Direct • KX4MAT-10 via	Stop Abort Freq.: 147.955 Range: Bearing: 349		
Favorites:	Select Add to favorites Remove from favorites		
In: 0/0 Out: 0/0 BPM: 0/0 Disconnected Time to next Autoconnect	= Disabled		
*** Launching VARA FM TNC: C:\VARA FM\VaraFM.exe *** Successfully connected to VARA FM TNC. *** Ready			^

Tune Radio to 147.955 (MAIN Band)