

UZ7HO SoundModem Installation

This procedure applies to use of the Signalink USB for VHF Packet. It assumes that the Signalink USB has been set up correctly as shown in the Signalink operation and instruction manual. Particularly with respect to the Windows system sound settings.

Go to <http://uz7.ho.ua/packetradio.htm> and download the file soundmodem84.zip.

The 84 refers to the version number. It may be higher in the future.

There are some other files you can download, but that one is the only one you need to run the program.

Unzip the file and copy the soundmodem.exe to a convenient folder. There is no installation required.

Run the .exe file. You may get a message from your Anti-Virus program. Ignore it.

On the SoundModem screen, click Settings/Devices.

Select USB Audio CODEC for both Output and Input devices.

Check - TX rotation

Check - Single channel output

Check - Color waterfall. This can use a lot of computer resources, so you may not want to check this. It will depend upon your computer's CPU.

Check - Stop waterfall on minimize.

Check - Enabled for KISS Server Port. Do not check AGWPE Server Port.

PTT Port should be NONE. Make sure neither box is checked.

Click OK

Click – Settings/Modems

Check – Default settings

Check – KISS Optimization

Check – non-AX25 filter

Under Modem type ch: A

Set Mode to VHF AX25 1200 bd.

Click OK

Leave the SoundModem running, and start RMS Express. SoundModem can be minimized if you don't care about the waterfall.

Set to Packet WL2K

Click – Open Session:

Click – Setup

Set Packet TNC Type: to KISS

Set Packet TNC Model: to ACKMODE

Set Serial Port: to TCP

Under TNC Parameters, select 1200 Baud.

Check – Enable IPoll (Bottom of screen)

At this point you should be able to click Start and connect with a gateway.

The normal sequence will be to plug in the Signalink USB and turn it on. Then start the SoundModem and leave it running. Start RMS Express last and use it like you normally would. With RMS Express set up like this, you can switch back and forth between VHF Packet and Winmor without any changes, and not need a TNC for either one.

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