

# ALACHUA COUNTY AMATEUR RADIO EMERGENCY COMMS

## IMPORTANT FACTS TO KNOW

### HF WINLINK CHANNEL SELECTION

HF WINLINK enjoys skywave ionospheric propagation and all its implications. Multiple modes, instead of just one, are available. For users with soundcards, most of the HF protocols are built into the base software. The most important with which to be familiar are:

- WINMOR
- ARDOP

These are free, and both use a simple soundcard interface to a single sideband radio on **UPPER sideband**. These suffice for most client users. Additional protocols, which either require external hardware or a cost for the software include PACTOR and VARA.

You should know **how to open a session of any desired type**, and **how to select a station and frequency to access**. You should also be very familiar with the closest stations, listed in the table below, but able to utilize any station from the propagation prediction table.

Station	Distance (miles)	Location
KX4Z	(local)	Newberry, FL
WD4SEN	50	Middleburg, FL
N4SER	165	Sarasota, FL
AK4SK	226	Freeport, FL
KI4WPI	275	Parkland, FL
WW4MSK	377	Mineral Bluff, GA

You must also know precisely how to set your TX GAIN or other settings to ensure that your transmissions are within the linear range of your transmitter, hence are not “clipping” / splattering --- as those kinds of problems will prevent you from making most connections.

You should know how to use the information in the Alachua County ICS-205 to connect to the KX4Z gateway by using the correct dial frequency. See line 5 of the ICS-205:

5					USB DIAL Frequencies 3594.0 7102.0 10140.0 14096.5	None	USB CENTER FREQ 3595.5 7103.5 10141.5 14098.0	None	D	HF WINLINK – Local
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