Remotely Controlled Station

Topic: How to use the Richmond Amateur Radio Club's remotely controlled station for HF, VHF, & UHF operations

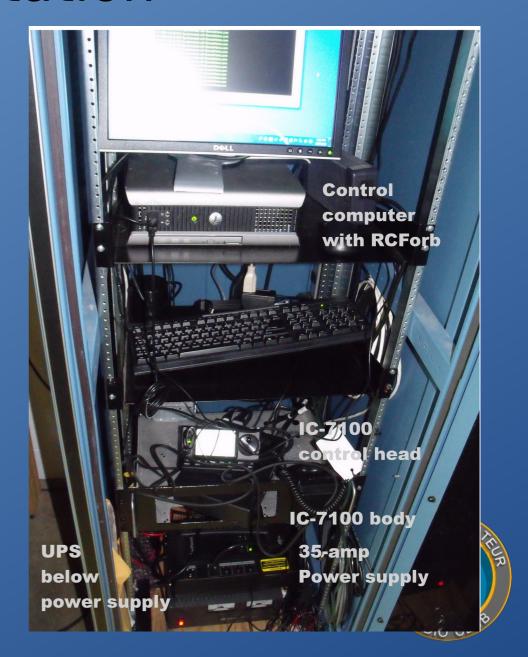
Presenter: Bruce MacAlister, W4BRU





The station

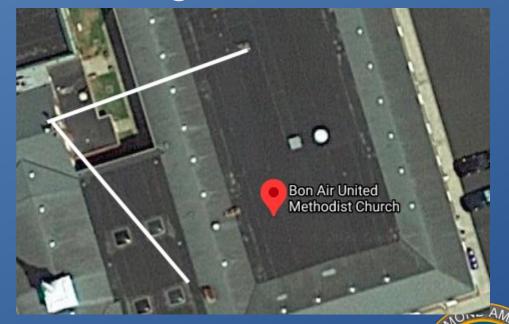
The station is in a locked cabinet within a locked closet at Bon Air United Methodist Church



The antennas



Vertical VHF-UHF and 94-foot HF longwire



The specs

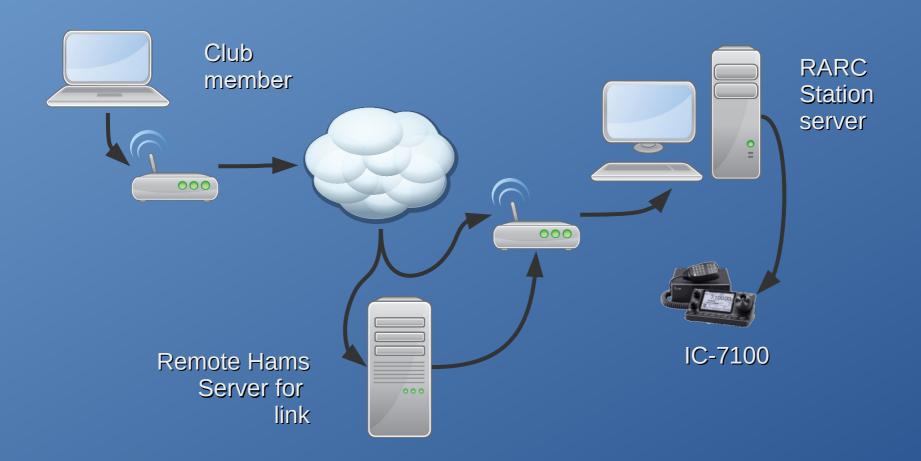
- Icom-7100 transceiver
- HF+6M, VHF, & UHF
- 100w SSB, 40w AM,50w VHF, 35w UHF
- Icom AH-4 remote
 long-wire tuner
- Windows 7 PC with RemoteHams server







The connection





Limitations by license class

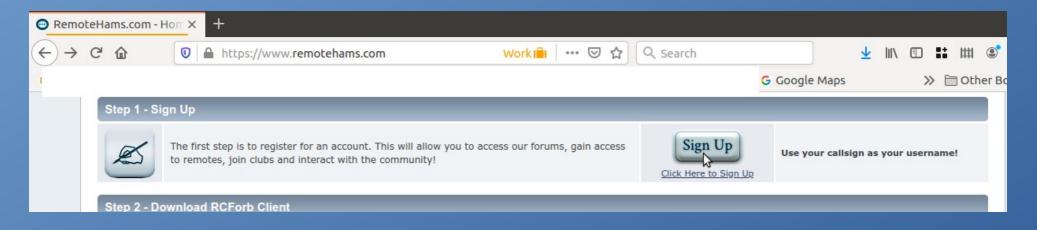
- Call sign needs to be your Remote Hams ID
- Frequencies permitted based on license class
- Administrator or user



Demonstration



Signing up for remote software

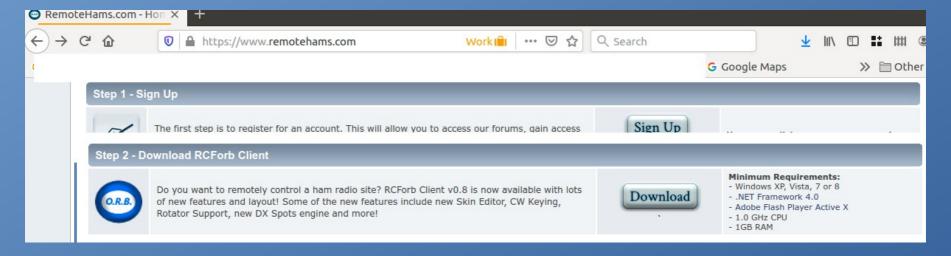


Call sign needs to be your user name
A few days delay as they you check out
Call sign on your login is sent to RARC server
RARC server looks you up:

- 1. Makes sure you are a club member
 - 2. Limits to allowed frequencies



Getting the software



This is the Windows choice; XP, 7, 10
Needs Windows Net, will download it
Documentation has instructions if needed
http://beta.remotehams.com/orb/RCForb_Client
Manual.pdf

Android & other options

RCForb Client for Android Beta

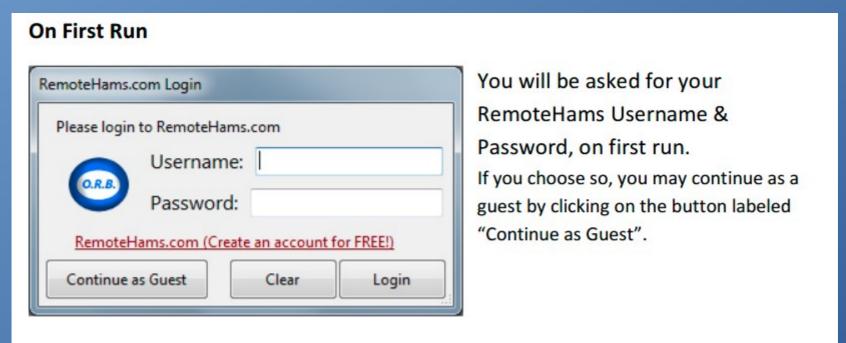


You may now enjoy tuning your favorite remote around using only your Android based device! Supports receive and transmit along with all your favorite radio controls. Features a built-in DX Spot client to make DX hunting a breeze.

- Use Google Play to download it onto your Android tablet or phone
- Cannot use Apple iPhone
- Should work in Windows mode in OSX
- Does not work in WINE under Linux but still trying



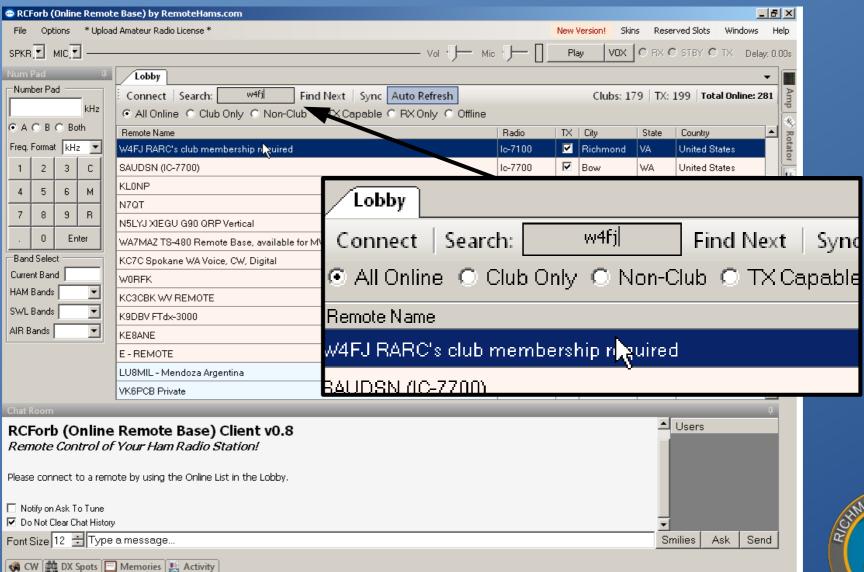
Logging on to the station



- Use call sign as Username
- Option to store it on your computer for regular use



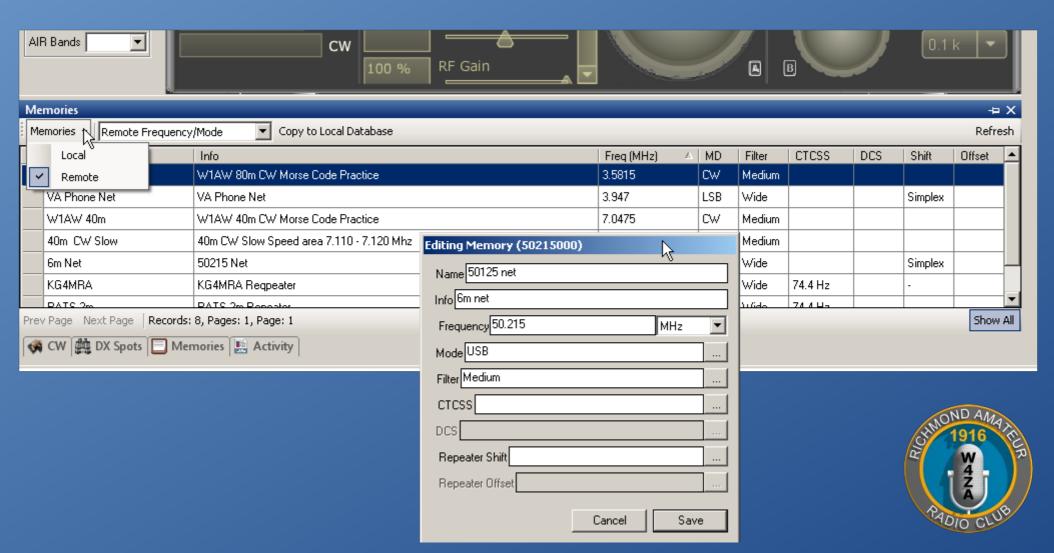
Enter RARC station W4FJ





Picking a band & a frequency

From Memories



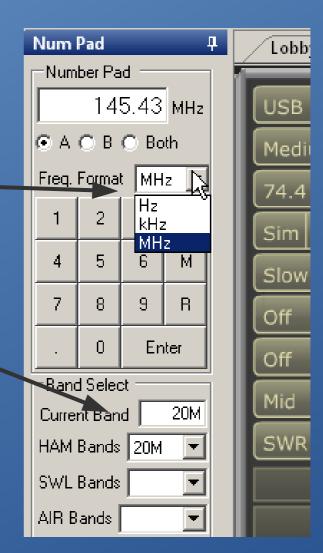
Picking a band & a frequency

With buttons

1. Pick hKz or mHz, key in frequency

OR

2. Pick the band and use the knob to tune to frequency





Check sliders

- The prior user may have set power low for digital, etc.
- Scroll down to see all
- Set them to what you need for your mode and frequency





Tuning options

 Click the tiny up or down arrows Click the big knob with the mouse and use the mouse wheel to tune up







The buttons 1

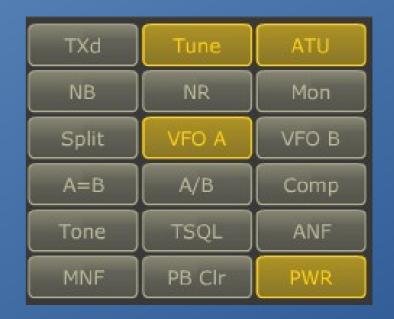
- 1. Make sure the sideband is correct
- 2. Set Filter to Medium for SSB
- 3. Pre Amp Off except....
- 4. Set Tx BW to Mid for SSB





The buttons 2

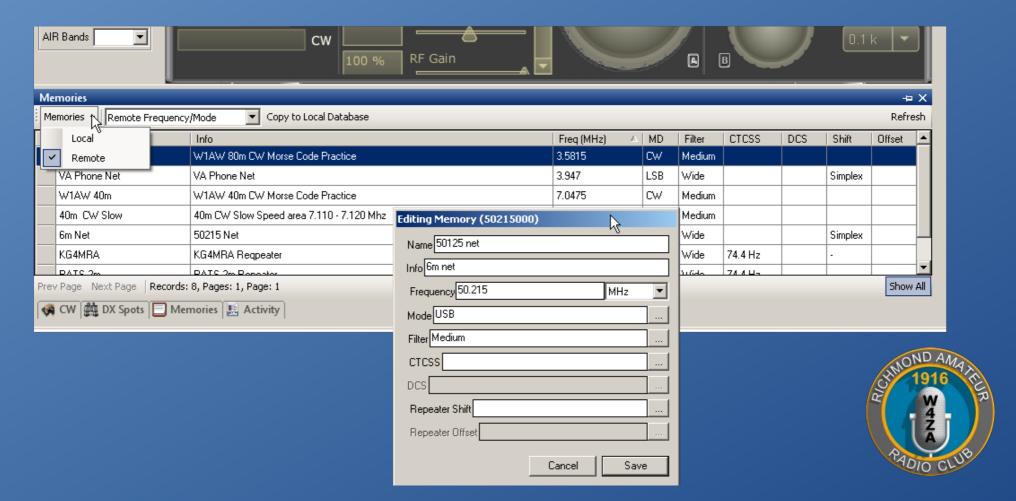
- 1. Tune <u>every time</u> you change frequency
- 2. Press TXd to transmit
- 3. Press TXd again to receive
- 4. Use filters NR, ANF, MNF, and NB as needed
- 5. Don't press PWR or you will be off the air!





The memories

You can pick from Remote or create and edit your own Local



Android option

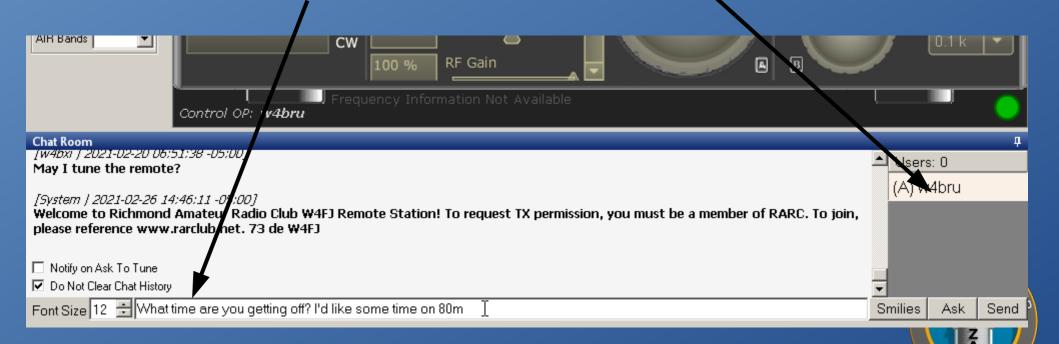






Too much demand

- See another logged on
- Listen to traffic
- Type message asking for time, etc.



Disconnecting





RARC administrators

- Send emails for malfunctions, etc
- Call if unable to connect
- Power failure in Bon
 Air is the most common
 cause of failure

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