## How to Use RemoteHams on K2AA

SJRA Remote Station Details:

Location: Deer Park Fire Station in Cherry Hill, NJ

39.884382 / 39° 53' 3" N Longitude: -74.9460115 / 74° 56' 45" W

Grid: FM29mv

Transceiver: Yaesu FT-991A

Antennas: MyAntennas EndFed covering 80 - 10 meters and Diamond X50 Vertical for 2 meters and 70 cm bands. Antennas are at approx. 30'

(The screen shots that appear in this tutorial were taken some months ago when the station was under testing at W2JAZ so they will not show K2AA)

Please follow the steps below to get started on your K2AA RemoteHams experience. You must operate within your own license class privileges or your K2AA privileges will be suspended. (Big Brother is watching <sup>©</sup>) When using SSB identify yourself with your own call "operating from K2AA remote station." For CW operation identify first with your call sign/remote or callsign/2 if you are operating from outside the 2 call area. If you wish to use the remote station you will need to be added to the approved list since our club station is reserved for use only by SJRA members. Send your request to me at rjlawn@gmail.com. I will authorize your use ASAP and let you know when I have done so.

**Step 1** – Use your Internet browser to open <u>http://www.remotehams.com</u> and follow the steps on the home page starting with signing up.

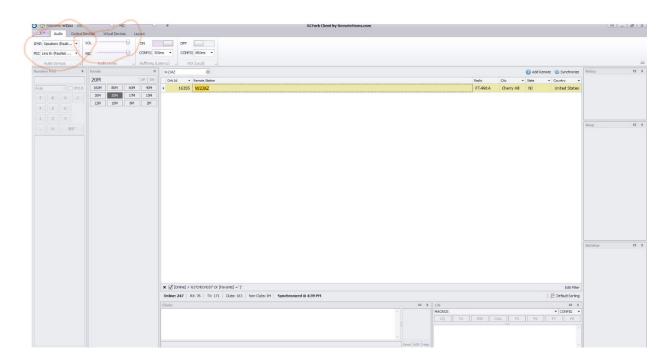
- a. Create a user name your call sign
- b. Create a **password** of your choice and don't forget to save it in a safe place for the future

**Step 2** – Download the most recent Public Alpha Alpha version of the RCForb Client software and install it on your computer. <u>https://www.remotehams.com/forums/index.php/topic,1997.0.html</u> Read the tutorials provided.

**Step 3** – Open the RCForb Client software and you will see the screen below. The "lobby" shows a long scrolling list of call signs identifying RemoteHams stations around the world.

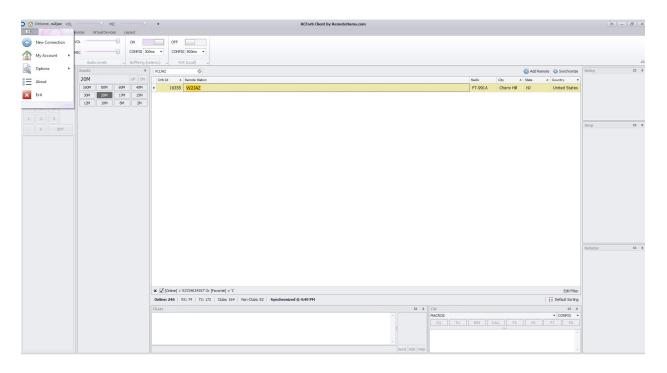
Audio Control D	evices Virtual Devices													
Speakers (Realt *	vol 🛛	ON	OFF											
Line In (Realtek 💌	MEC	CONFIG 300r	ns • CONFIG	800ms •										
Audo Devices 🔒	Audio Levels	Buffering (Lat	ency) " VO	(Loca) 4										
ber Pad 🛛 🕸	Bands # [Inter text to search p						🙆 Add Remote 🛭 🚯 Synchroniz				Relay			
	20M	UP DN	Orb Id 🔺	Remote Station			Radio	City +	State	▲ Country ▼				
VFO B	160M 80M 601		14476	14476 K5KNM			TS-590	Rio Rancho	NM USA	USA 🔒				
8 9 C	30M 2074 17		13486	K8EA-Irondale AL Icom 7300 80/40 dipole; 20-10m 3el yagi @ 60' 600w (NO DIGITAL!) ENGLISH O	NLY. See K8EA.com 1	or info	Ic-7300	Irondale (	AL	United States				
5 6	12M 10M 6M	1 214	9032	K7CQX 146.52 fm simplex in PHOENIX			Ic-7100 Pf	Phoenix	AZ	United States				
2 3			4109	W6RYO TS-870			TS-870	Alta Loma	CA	United States				
			9174	KGDKA			TS-2000	Atwater	CA	United States	Amp			
0 ENT			13226	N7YMM Satelite Remote Base			FT-991	Covina	CA	United States				
			8543	KIGRRN 2m			Icom	La Mesa	CA	United States				
			2398	N6D Club Radio Elecraft K3s www.n6ij.org			K3	Marina	CA	United States				
			16296	K6ARK IC7300 OCF 80m			Ic-7300	Ramona	CA	United States				
			46	WA6LIE's FT-857 VHF/UHF only			FT857	Salinas	CA	United States				
			9740	TEST2			Ic-7600	Salinas	CA	United States				
			10236	WA6LIE's Elecraft K3			К3	Salinas	CA	United States				
			15619	ILPIAVEMORMORAVA	FT857 Salinas CA United Stat					United States				
			11204	K68J DeLa TS-570 Santa Cruz CA Unite						United States				
			16242	ke7bex			TS-2000	Simi Valley	CA	United States				
			16605	WA6BAY - Cub Members Only W6AB - Satelite ARC - Members Only			Ic-7600	SOQUEL	CA	United States				
			9356				TS-2000	Vandenb	CA	United States				
			16081	K6PVR - Pleasant Valley Amateur Radio Club - Members Only			TS-450	Ventura	CA	United States				
			15333	WA6ATI			Ic-7100	Wahut	CA	United States	Rotator 🗖			
			12430	WOREK     WOREC UISTATION     Wore CLUISTATION     Software Cluis Springs Fla     Marking Life 2000/Expert 1.SK amp Ctrus Springs Fla				San Jose	Calfornia	United States				
			16682					Osprey	FI	United States				
			2280					Citrus Spr	FL.	United States				
			16578	16578 *** KF4LZA [IC-706] *** 80 - 17 Meters {USE TxD for transmit}				Coconut	FL.	United States +				
			x √ [Onine] > %3724034357 Or [Fevarite] = '1 Edit Filter											
			Online: 246 RX: 74 Dx: 172 Oubs: 164 Non-Oubs: 82 Synchronized @ 449 PM											
			Chats 🗖 a 🛛 CW				a a							
							MACROS + CONFIG +							
							SNN	CALL F5	F6	F7 F8				
					*	1								
					Send ASK Help									

**Step 4** – From the pull down menus found near the upper left corner and labeled **"Speaker"** and **"Microphone,"** select the devices you intend to use locally for these functions. A cheap USB headset is a good choice to use, but you can use the built in speaker and microphone in your laptop. I suggest initially setting the microphone slider to 30-40% of full scale.



**Step 5** - Use the pull down menu in the extreme upper left hand corner (under the house icon) to select **My Account** when you want to sign out, view your profile, etc. This drop down menu also allows you to **Disconnect** from a station you've connected to. (see image following Step 6)

**Step 6** – Type in **K2AA** in the text field just above the list of stations in the lobby of the home screen. This finds our station (see screen shot below). Double clink on K2AA to connect and bring up the radio interface. **Hint:** Once you have found K2AA, or any station you want to use, left click on it and then right click to add to your favorites. Once it's saved as a favorite it will always appear at the top of the list in the lobby every time you run the software.



## **Step 7** - The **Auto Tune** message reminds you to select the **ATU** and then **Tune button** whenever you first login and every time you significantly change frequencies on the HF bands. This is not necessary when operating VHF/UHF as the Diamond X50 has a very low SWR across the entire FM operating segments. The **ATU** button should always be highlighted indicating it is on!



**Step 8 – STOP!!!** Before going any further please familiarize yourself with the controls including the change band buttons located in the left panel, the CW Keyer and CW Memory & Macro setup panes (bottom right), Memories (bottom left) and so forth. Tune around by either using your mouse on the large tuning knob or by using your mouse and mouse wheel to select and move one of the frequency digits up or down.

It would be useful to download a free copy of the FT-991A manual from the Yaesu website to make yourself more acquainted with the radio's functions and abbreviations. The link to the Yaesu manuals -

https://www.yaesu.com/indexVS.cfm?cmd=DisplayProducts&ProdCatID=249&encProdID=490C 4A71118AD0F4E825E89D821B73BB&DivisionID=65&isArchived=0

**Step 9** – If you want to operate on the clubs repeaters or other local machines you may have to import the memory channels into you client software. Click on **Memories** in the extreme lower left corner to see if memory channels are present. If they are not present select **Sync Remote Memory** on the far right side of the ribbon selections at the bottom of the screen. You can also add new memory channels by selecting **+Add Memory** as shown in the following screen shot.

Be       Note State State         He       Note State State         He       Note State State         State State State       Sectures         State State State       Note         State       Note	Welcome, w2jaz. VOL MIC M		W2JAZ						8 - 8
Image: Second	e Bue - Rodo Sie Ochuit - Retore - tonde - Rodo Sie Ochuit - Retore - dectoro theme - Rodo Dedury Sim - Layout - s 200 - 200 - 200 - 200 - 200	Say: 0.295							Relay
Auto	12M 10M 6M 2M								
Image: Second			decentration of the second sec	. E 13. '		A> <b< td=""><td>A&gt;B</td><td>B&gt;A</td><td>kmp</td></b<>	A>B	B>A	kmp
Wide       Filter       IX-RRIIN       IX-SLB       HIGH SUR       BK-IN       Stop       Spot         INT       To ne       IX-RRIIN       IX-SLB       HIGH SUR       BK-IN       Stop       Spot         MINE       C.V       IX-RRIIN       IX-SLB       HIGH SUR       BK-IN       Stop       Spot         MINE       C.V       IX-RRIIN       IX-SLB       HIGH SUR       MARE       IX-RRIIN       Tx-spot       IX-RRIIN       IX-SLB       IX-RRIIN	0 Bit					DNR	NB	ANF	
IX-RRIN IX-SLØ HIGH SLR         BK-IN Stop Spot         Mint Repeater Shift         Proc         O It is the shift         Proc			6	. 998 . <b>'</b>		MNF	Lck	Test	
Mint Repeater Shift         ALC T X Meter       Proc         Msg 1 T DVS Msg       Proc         O Hz       APF Freq         O Kow       O Kow         No       O Kow         No       Model			TX-MRIN TX-SUB HIGH SUR			BK-IN	Stop	Spot	
Image: regression of the sector of the se				a	<u> </u>	M-Tune	Txw	V/M	
Partie based-         Partie		ALC TX Meter Msg 1 DVS Msg	2400 Hz Fltr Width Proc 0 Hz APF Freq CW Speed					0.1 K 💌	Rotator
Home         frequency         A Mode         A FRer         Shith         Offset         TEN         DBN           2 (ZAA - PA         125229 Mtcl (PM         Mous         \$1.5         \$1.5         \$1.6						P 0	Al Soth Lo	al Remote Add N	ienory 🚯 Sync Remote I
2         IAAACRIM         145.29 MHz C4M         Mnus           1         10202+c4m         Mnus         Mnus           6         WSP4L         145.82 MHz PM         Mnus         31.842           3         CQUK         146.855 MHz PM         Mnus         13.842		Frequency		A Filter	Shift		TEN		
1 N22H-e4fm         145.37 MHz (*M         Mous           6 W3HL         145.82 MHz (M         Mous         121.842           3 GOUK         145.855 MHz (M         Mous         121.842							91.5		
6 W3HL 146.82 MHz PM Mnu 131.8 Hz 3 K2UK 146.865 MHz PM Mnu 131.8 Hz									
3 K2UK 146.865 MHz PM Mnus 131.8 Hz							101.011-		
							101-01-2		

**Step 10** - To transmit on voice in either SSB, FM or C4FM modes use the **TXd** button on the radio control screen. This button acts like a PTT control turning the transmitter on or off. The CW mode activates the keyboard keyer. (I'm working on a way that we might be able to use a WinKeyer with your own key to send cw the traditional way.)The **Config** drop down menu allows you to set the speed and other parameters and the **Macros** drop down menu allows you to set your own macros such as rig, QTH, Name etc. You'll notice that several standard macros such as **CQ TU, 5nn,** and **Call** are preprogrammed.

## IF YOU PUT THE RADIO IN SPLIT MODE (Tx-s) MAKE SURE YOU DISENGAGE SPLIT BEFORE DISCONNECTING from the station!

## **Digital Modes Operation**

There are ways to use the digital modes including WSJT-X and FlDigi by integrating either Ham Radio Deluxe, N1MM+ or DX Labs Commander so stay tuned for another tutorial o using the remote station on digital modes.

For the time being there is no need to reserve time on the remote station. You will immediately see if someone else is using the station once you logon. Through the software you can remotely ask the person if you have permission to transmit. If we begin to have too many conflicts we will develop a sign up system, for example Field Day.