

Remotehams.com at W4NC

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W4NC Remotehams.com

The screenshot displays the W4NC Remote Station software interface. The main window features a central digital display showing the frequency 14,200.000 kHz and 7,168.000 kHz. Above the display, it indicates a Total On Time (TOT) of 180 seconds and a signal strength of 52. The interface is divided into several control panels:

- Left Panel:** Includes a frequency display (20M), a number pad, and various mode and filter settings.
- Top Left:** Controls for Mode (USB), AGC (Slow), Tx Mtr (PWR), Filter (FL1), and CW Method (Normal).
- Right Panel:** Contains buttons for M-Tune, TX, A/B, A > B, Test, Pre, ATT, NR, NB, and Notch.
- Bottom Center:** Features a large rotary knob for frequency tuning, with sliders for Filter Width (2.45 kHz), FC Shift (1 kHz), CW Speed (24 WPM), and RF Gain (250).
- Bottom Left:** A chat window with messages: [k2lxx / 2019-06-26 08:42:15 -04:00] May I tune the remote?, [System / 2019-06-26 15:28:59 -04:00] Welcome to the W4NC Remote Station.
- Bottom Right:** A macros panel with buttons for CQ, TU, 9M, CALL, FS, F6, F7, and F8.

Control OP: k2lxx

What is Remotehams.com (RH)

- Free software to allow remote control of a ham station
 - RCForb Server runs on a computer at FARC
 - RCForb Client runs on your device to access the station
- Access from Windows or Android (not ios)
- Can operate on Voice, CW, Digital
 - We will focus on SSB tonight
- Not affiliated with the pay service “Ham Radio Remote”

When would I use Remotehams

- You don't have an HF rig
- You are traveling or are away from your radio (including mobile)
- Your station is down for repair
- You can't work a station from your own rig
- You just want to try something different

Initial W4NC Configuration (July, 2019)

- One Elecraft K3 transceiver
- 80-10 meter folded dipole
- Future additions may include:
 - Antenna switching
 - Tri-bander
 - Multiple transceivers
 - VHF/UHF
 - Linear amplifiers

What do You need?

- A Windows computer (desktop or laptop) or
- An Android phone or tablet
- Free RCForb client software*
- Microphone, speakers or headphones
 - Can use the mic and speakers in most laptops
- Authorization from the club
- A remotehams.com account – Use your call sign as user id
- *There are both free and \$10 versions of the Android software and we haven't seen any difference

Initial Screen

Search for stations

Station Description

Radio	City	State	Country
K3	Maring...	CA	United St...
FT-900	Brevard	NC	United St...
FT-1000...	Lynchb...	VA	United St...
K3	Winta...	NC	United St...
FLEX-6500	Baskin...	ND	United St...
TS-590	Rio Ra...	NM	USA
3c-7300	Berming...	AL	United St...
3c-7300	3ondal...	AL	United St...
3c-7100	Phoenia...	AZ	United St...
3c-7100	Phoenia...	AZ	United St...
FT-991A	New B...	Berlie...	United St...
TS-2000	Atwater	CA	United St...
FT-991	Morga...	CA	United St...
FT857	Salinas	CA	United St...
IC-2720H	Salinas	CA	United St...
K3	Salinas	CA	United St...
IC-7100	San Jose	CA	United St...
TS-570	Santa ...	CA	United St...
FT-847	Saratoga	CA	United St...
TS-2000	Vande...	CA	United St...
TS-450	Ventura	CA	United St...
IC-7600	Volcano	CA	United St...
K3	San Jose	Califo...	United St...
FLEX-6300	Castle ...	Emwa...	United St...

You will initially be asked to Request Access. If not granted within 24 hours, contact K2KXK

Basic Layout

Band/Frequency
(Need to "Pin")

Dropdowns

Buttons



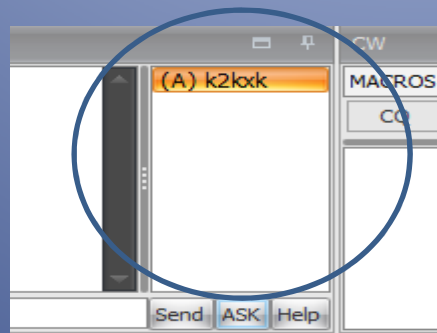
Sliders

Chat window

Active users - IMPORTANT

Basic Operations

- Make sure your input and output devices are connected before starting the program
- When first logging into W4NC;
 - Take note of who's using the rig and ask to tune



- If no one is using the system, press the M-Tune button and check SWR
 - If over 2.5 Do NOT transmit
- Use the Audio scope to set your mic gain

How to Tune Frequency

Direct Freq entry

Click above/below digit – scroll with mouse wheel

The screenshot displays the W4NC Remote Station software interface. On the left, a numeric keypad is circled in blue. The main control panel features several sections: a top-left section with mode and AGC settings; a central display showing a frequency of 14.200.000 MHz and a signal strength indicator; a right-side section with buttons for M-Tune, TX, A/B, A > B, Test, Pre, ATT, NR, NB, and Notch; a bottom-left section with decoder and CW settings; and a bottom-right section with sliders for Filter Width (2.45 kHz), FC Shift (1 kHz), CW Speed (24 WPM), and RF Gain (250). Two large knobs are circled in blue, with the text "Turn with mouse" overlaid. To the right of the knobs, two buttons labeled "0.1 k" are circled in blue, with the text "Tuning steps" overlaid. At the bottom, a chat window shows messages from [k2kxk] and [System], and a MACROS section is visible.

Some more areas of Interest

Menu

Gain controls

Audio Scope

The screenshot displays the W4NC remote station control interface. The interface is divided into several sections:

- Menu:** Located at the top left, it includes a browser address bar and a navigation menu with options like "Home", "Control", "Virtual Devices", and "Layout".
- Gain controls:** A central control panel with various settings: Mode (USB), AGC (Slow), Tx Mtr (PWR), Filter (FL1), CW Method (Normal), Filter Width (2.45 kHz), FC Shift (1 kHz), CW Speed (24 WPM), and RF Gain (250).
- Audio Scope:** A yellow display area showing a signal waveform and frequency information: "TOT: 180 seconds", "14.200.000", and "7.168.000".
- CW Macros:** A panel on the right side with buttons for "M-Tune", "TX", "A/B", "A > B", "Test", "Pre", "ATT", "NR", "NB", and "Notch".
- Decoder and CW DATA:** A section at the bottom left for decoding and CW data.
- Chat:** A chat window at the bottom left showing messages from [k2kxk] and [System].
- Buttons:** A row of buttons at the bottom right labeled "CQ", "TU", "S/N", "CALL", "P5", "P6", "P7", and "P8".

Annotations with blue circles highlight the Menu, Gain controls, Audio Scope, and CW Macros sections.

Operations Standards and Etiquette

- You must be a FARC member In Good Standing
- You must operate within the privileges of your license
- You must use your own call sign
 - At least once in the QSO, mention that you are operating via the W4NC Remote
- You should have a basic understanding of the Elecraft K3 operations. If needed, download the manual

Operations Standards and Etiquette (continued)

- Be aware that you are sharing the station
 - Any number of members can be using the station at the same time. You can communicate with other users as well as over the air at the same time
- Use the Menu to Disconnect when you are done using the station
- If you have questions, please e-mail me at k2kxk@arri.net

Important Links

- Sign up for an account
 - <https://www.remotehams.com/>
- Download Windows Client
 - <http://download.remotehams.com/>
 - Download this version: [RCForbClientSetup v0.9.246.exe](#)
- Download Android client
 - <http://Bit.ly/2L6VFuV>
- Getting started guide
 - http://beta.remotehams.com/orb/RemoteHams_Getting_Started_K3_20151123.pdf
 - Not latest version but good information
- Elecraft K3 manual
 - http://www.w4nc.com/files/E740107_K3_man_D10.pdf

Questions (and Answers)

