

Using N1MM Logger+ by W2HUV

The N1MM Logger+ application isn't a bad choice if you are looking for a logging program to use while remotely controlling the W2MMD HF station. You will be able to record all contacts in a single log or in a contest log as needed. That includes FT8 contacts. You may generate a Cabrillo file or export contacts to an ADIF file.

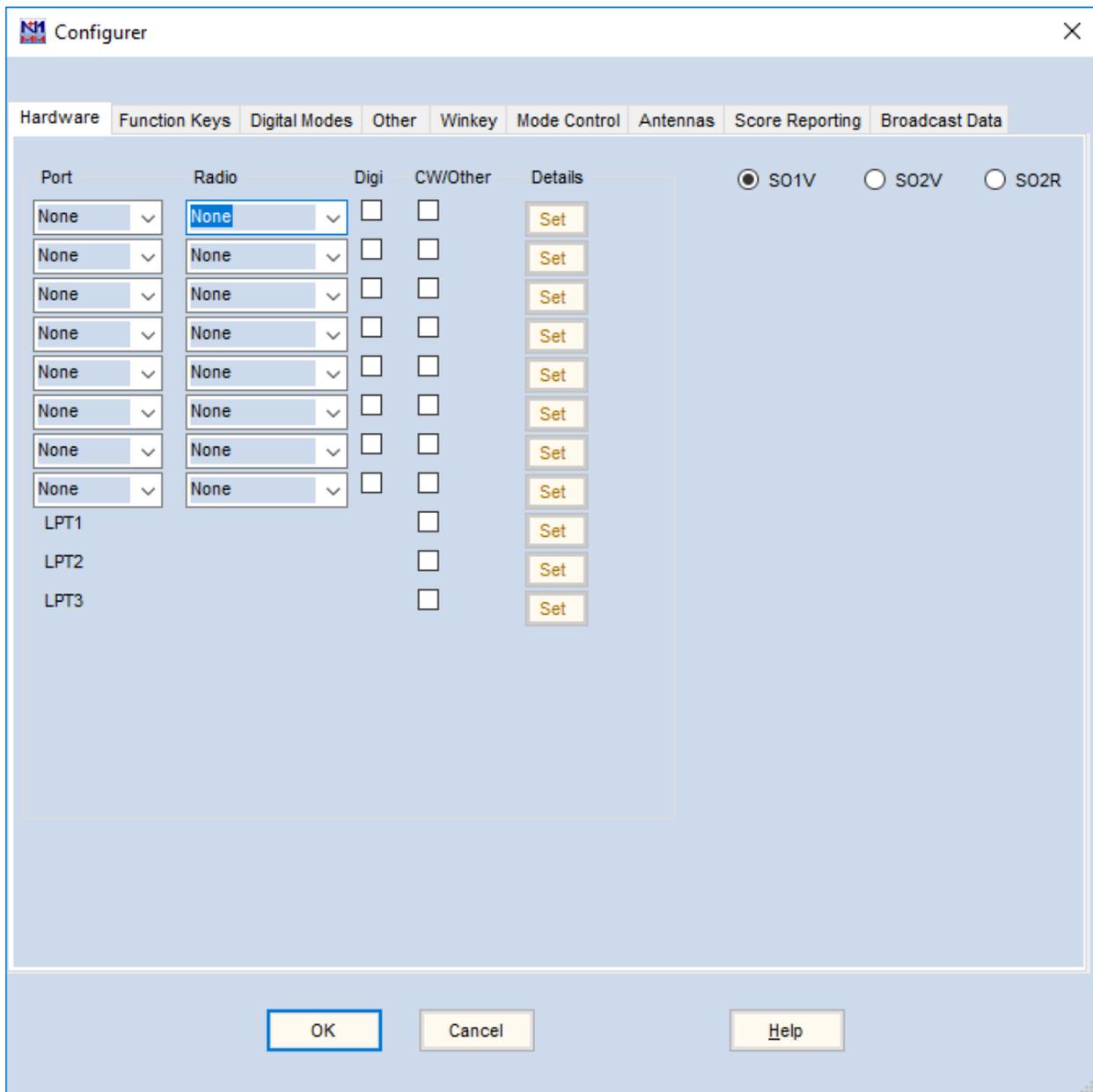
The information provided for the RCForb client interface may be helpful to you even if you plan to use another logging program.

If you don't already have N1MM Logger+ installed on your computer, go to the following link and follow the instructions:

<http://n1mm.hamdocs.com/tiki-index.php?page=Full+Install>

Interfacing N1MM Logger+ with the RCForb client

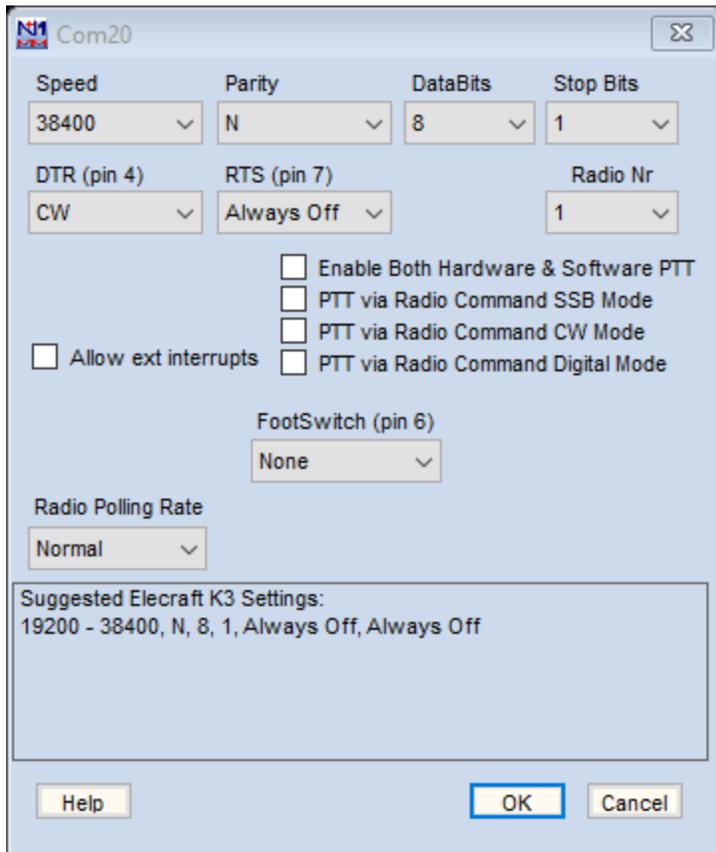
- 1) Open RCForb client.
- 2) Select the "Virtual Devices" tab and look at the "Virtual K3" option. If the option is greyed out, it will be necessary to reinstall the client, this time, checking the "Virtual Serial Port Support" option.
- 3) Turn on the "Virtual K3" option and select a COM port. COM20 is suggested because it is easy to remember and out of the way.
- 4) Connect to the remote radio.
- 5) Start N1MM Logger+.
- 6) Select "Config", "Configure Ports, Mode Control, Audio, Other..."
The following screen will appear:



7) Select the port selected in Step 3) for “Port” in the first line.

8) Select “Elecraft K3” for “Radio”.

9) Click the “Set” button under “Details”. The screen that follows will appear. Set the speed at 38400. Click the “DTR (pin 4)” down arrow and select CW. Click “OK” to save the changes.



10) Select the “Configurer” “Broadcast Data” tab, ensure that the WSJT and JTDX UDP connection is checked and click “OK” to save all “Configurer” changes.

Configuring normal log

- 1) Start N1MM Logger+ if not already running.
- 2) Select “File”, “New Database...”, name it W2MMD and save it. A new log will appear titled “General Logging – W2MMD.s3b”.
- 3) Select “Config”, “Change Your Station Data...”. The screen that follows will appear with whatever information you may have entered in the past in a different database. The author’s information appears in this case. The first five and last two lines are **your** information, not the station’s. Fill them in with your information. Duplicate the information in the remaining lines. Click “OK” to save the information.

Edit Station Information

Tip: You need to fill out this form or the program will not perform properly... Also, make sure your computer date and time are set to the LOCAL date and time zone for your location.

Call:

Name:

Address:

Address:

City: State: Zip:

Country:

Grid Square: CQ Zone: ITU Zone:

License: Latitude: Longitude:

Station TX/RX: Power:

Antenna: Ant. Height: a.s.l.:

ARRL Section:

Rover QTH:

Club:

Email address:

4) Select “File”, “Open Log in Database: W2MMD.s3db”. The screen that follows will appear. Note that the “Contest” selected is “DX”. This is the log that you should use when not participating in a contest. This is the log titled “General Logging – W2MMD.s3b”.

5) Duplicate the first five categories. Note that the mode listed is “SSB + CW”. This is required for the log to accept contacts for both modes. SSB includes the FT8 mode.

6) List your callsign as the operator, unless you plan to operate using the callsign W2MMD.

7) Take a look at the “Associated Files” tab. The default “CW Function Key” file should suffice if you plan to use N1MM Logger+ to automatically send CW in response to the function keys. The default “SSB Function Key” file will require a lot of work if you desire to send voice files in response to the function keys.

W2MMD.s3db

Select Existing Log

Contest	Start Date	Contest Description
DX	1900-01-01 00:00:00	General Logging
DELETEDQSO	1900-01-01 00:00:00	Deleted Qs

Contest Associated Files

Category

Show Setup

Show Rules

54 Contacts

Operator SINGLE-OP

Band ALL

Power LOW

Mode SSB+CW

Overlay N/A

Note - the program does not validate categories. Check the contest rules for valid categories.

State for Log Type QSOPARTY

Sent Exchange Omit RST. E.g. CQWW: 05 SS: A 56 EMA

Operators W2HUV

Update Ops from Log

Soapbox

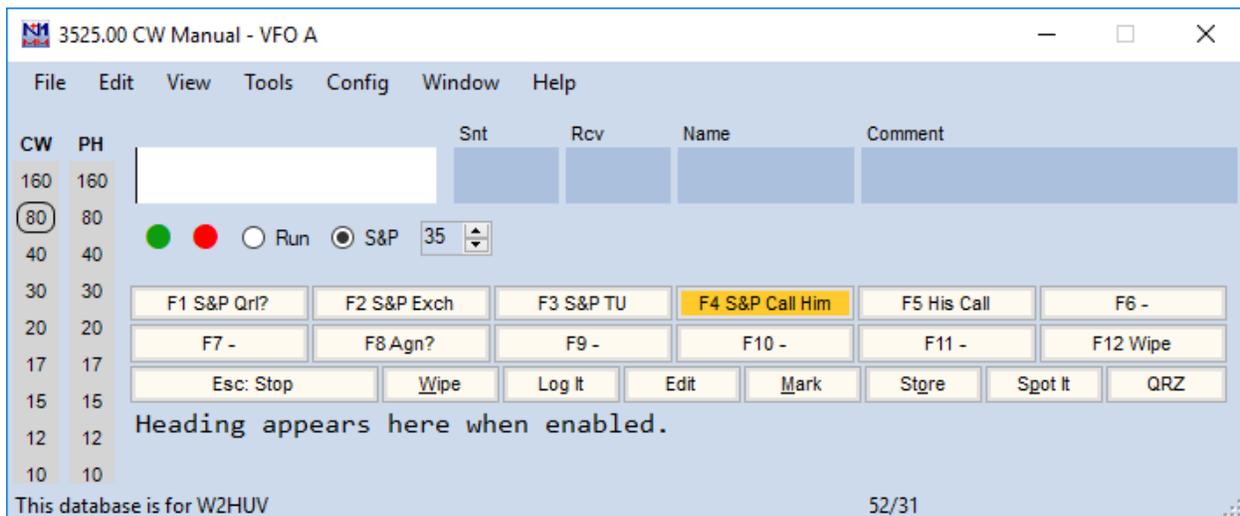
OK

Help

Using the log

CW and SSB:

You will need to manually fill in the blanks on the screen that follows in the CW and SSB modes and click "Log It" to save the QSO if you do not use the function keys to automatically send CW or voice files. N1MM Logger+ will complete the TS (timestamp), Freq, and Mode fields based on your computer's clock and the radio.



FT8:

- 1) Start WSJT-X and select the “Reporting” settings tab.
- 2) Check “Log automatically” under “Logging”.
- 3) Check “Enable logged contact ADIF broadcasts” under “N1MM Logger+ Broadcasts”.
- 4) Click “OK” to save the changes.
- 5) Start N1MM Logger+ if not already running.
- 6) Select “Config”, “Configure Ports, Mode Control, Audio, Other...”. Change the Elecraft K3 port to “None” and click the “OK” button to save the change. Don’t forget to change the port back to what it was before CW or SSB operation.

Please address all questions, comments and issues to w2huv@arrl.net.