

N1MM Walkthrough 2020

Getting Started

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June 8, 2020*

N1MM Quick Start Guide with 2020 FD rules incorporated

-N1MM has a lot of bells and whistles. I don't know them all and even if I did, most of them are beyond the objectives of this presentation.

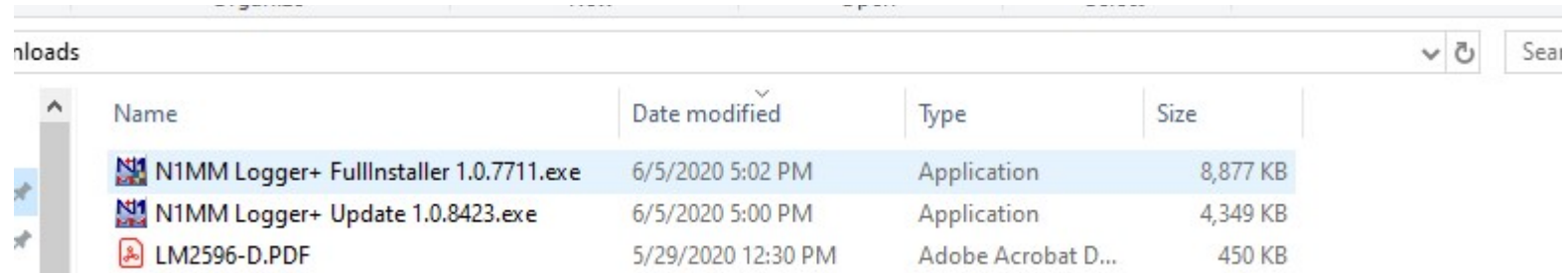
-This primer should provide enough information to get you off the ground with N1MM.

-Practice logging a few fictional QSOs. Try some band changes and mode changes. Edit and delete some log entries. Log a duplicate QSO and observe what happens. At the end of this tutorial you should be able to do all of these.

-Once you get comfortable with the basic operations, you can move around the menus and explore more advanced features.

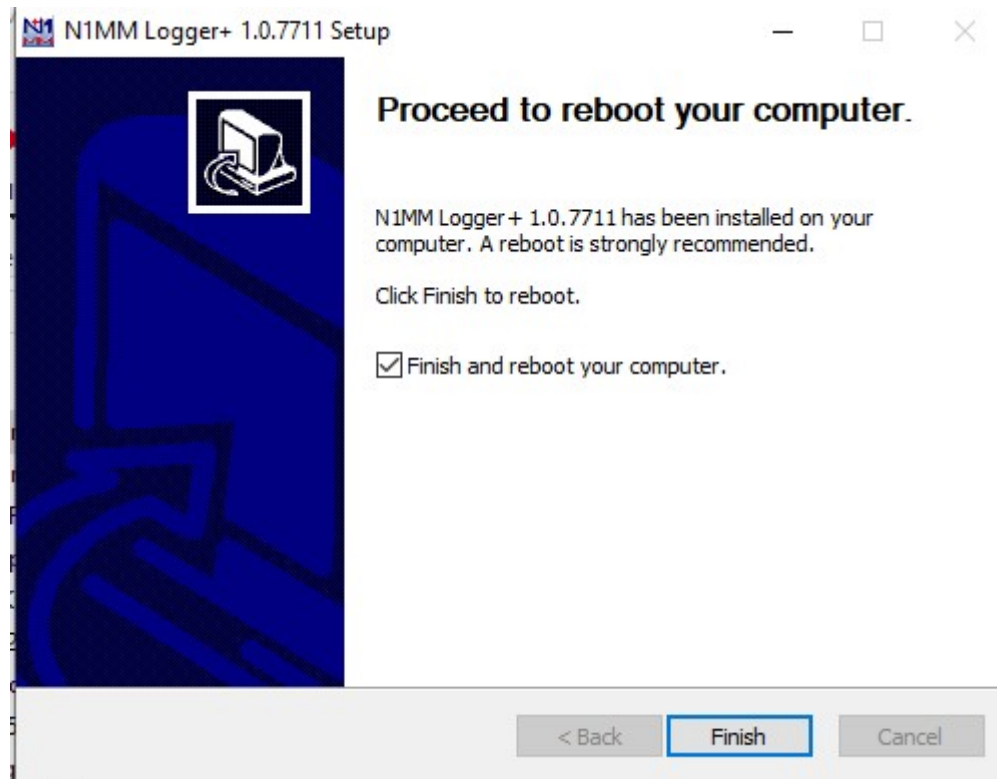
Start by downloading the latest Full Installer 1.0.7711 as well as the latest update, Update 1.0.8423, from the N1MM web site.

We'll be installing the full install first, then reboot, then we'll install the update, which incorporates the 2020 FD rule changes.

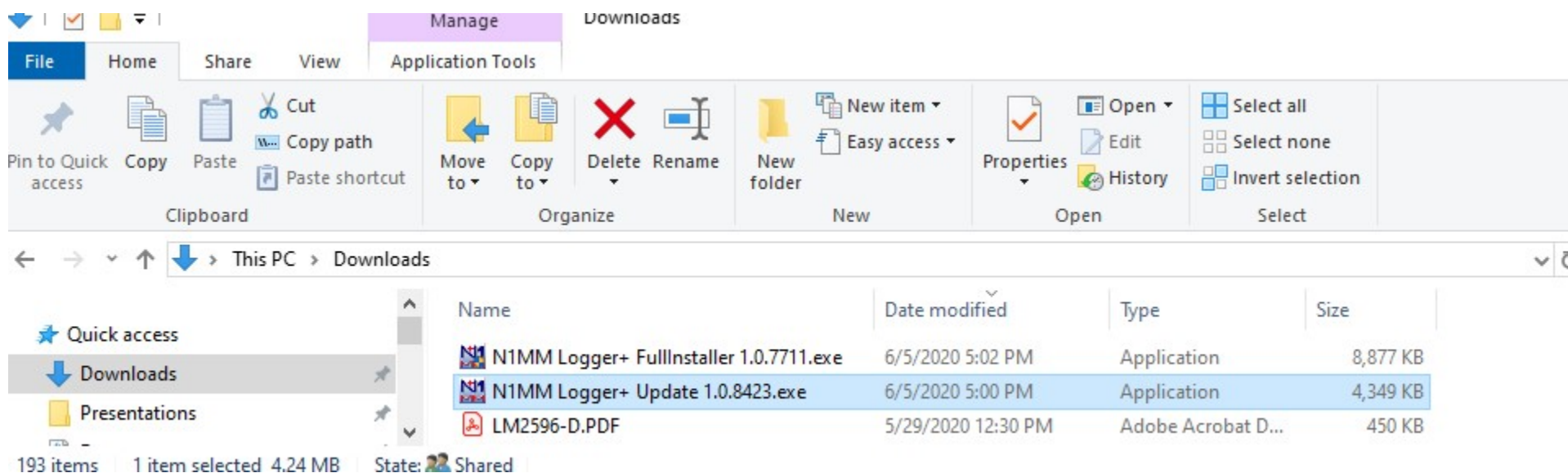


Name	Date modified	Type	Size
N1MM Logger+ FullInstaller 1.0.7711.exe	6/5/2020 5:02 PM	Application	8,877 KB
N1MM Logger+ Update 1.0.8423.exe	6/5/2020 5:00 PM	Application	4,349 KB
LM2596-D.PDF	5/29/2020 12:30 PM	Adobe Acrobat D...	450 KB

Install the latest full install using the Full Installer. Bear in mind that the full installation will require a reboot when it's complete.

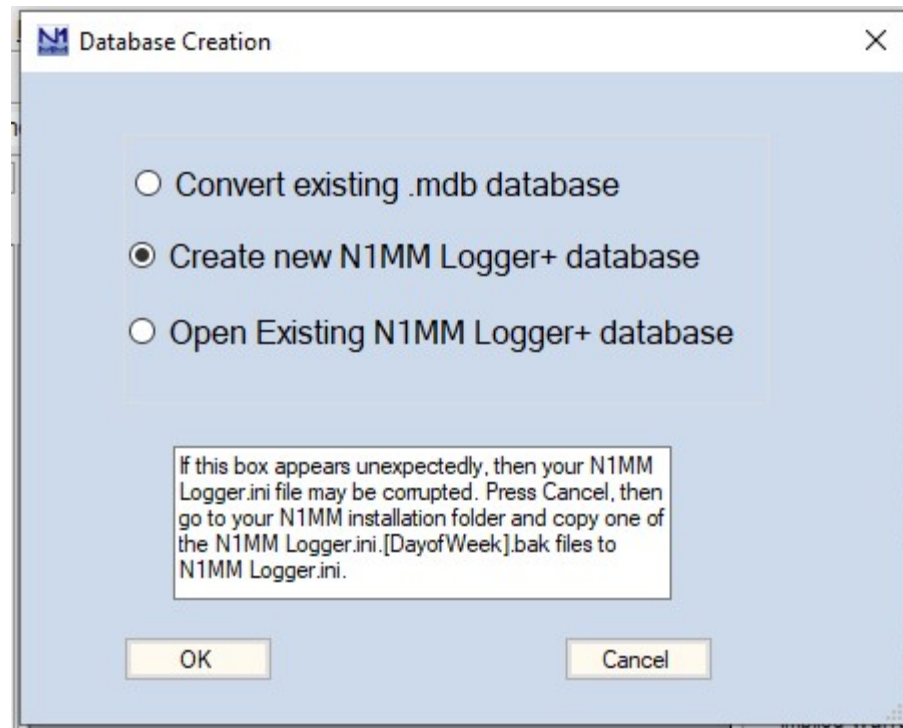


Once the install and reboot are done, you have to install the update which includes this year's FD rule changes.

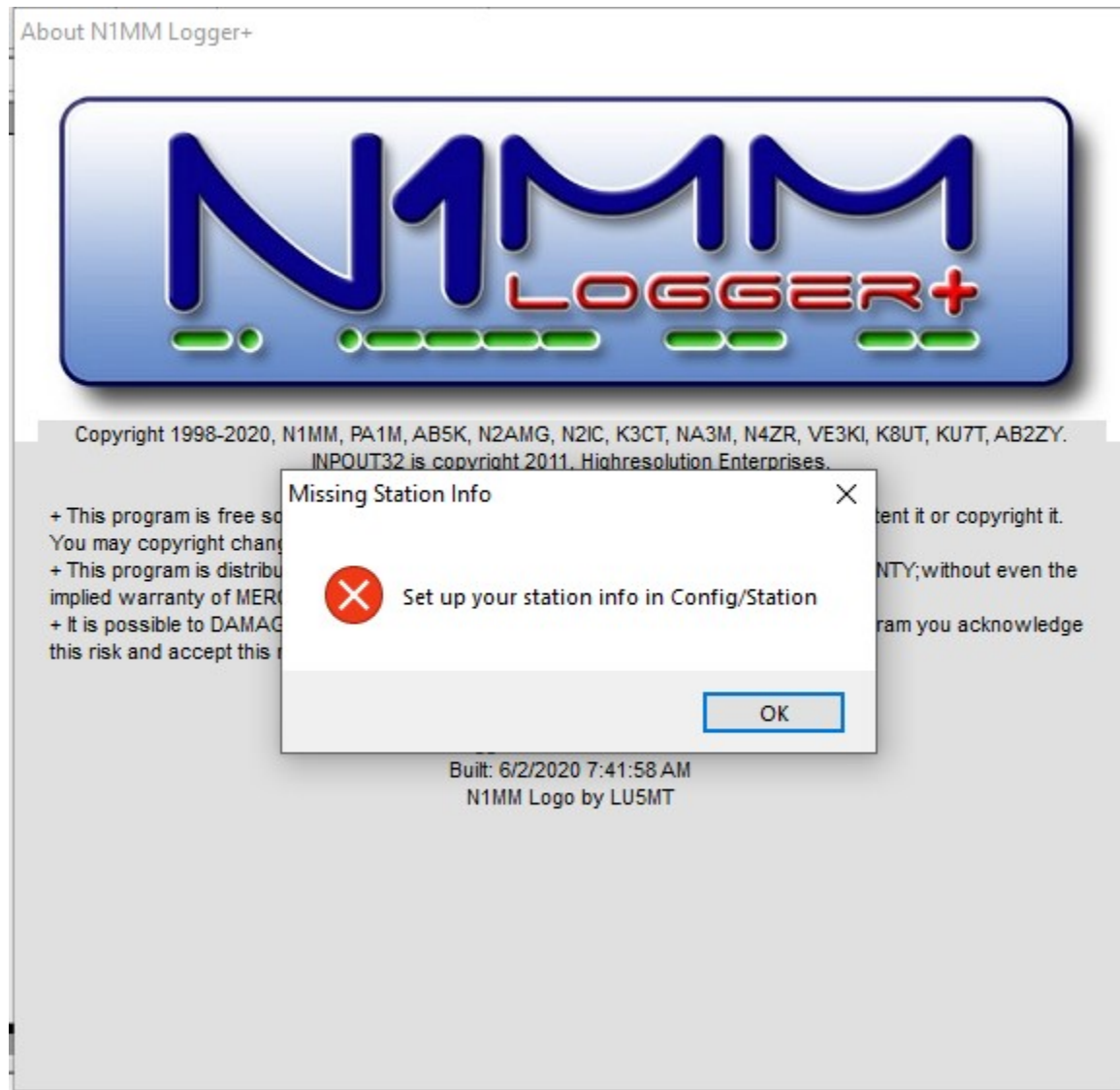


No reboot required for the update.

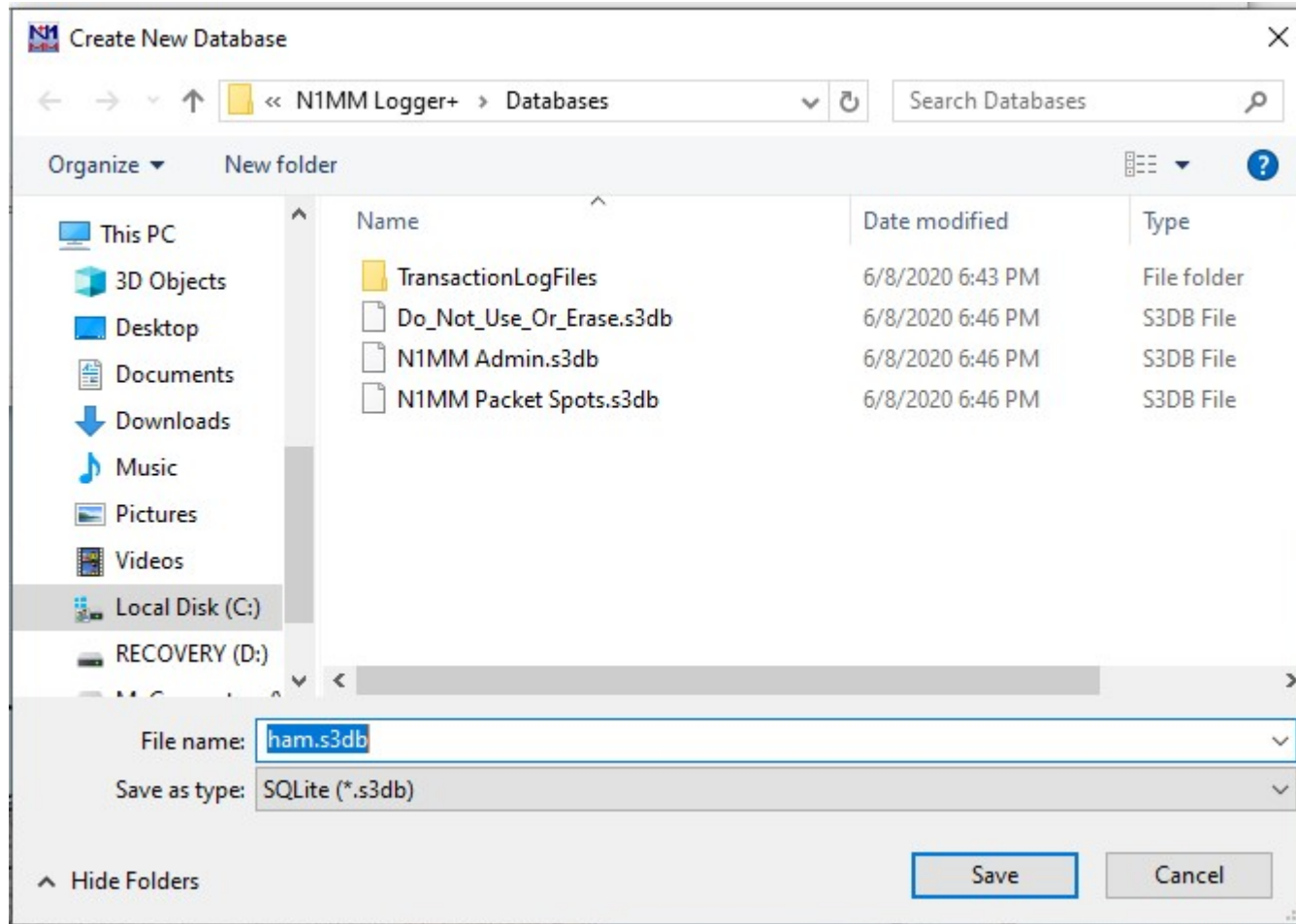
For a new install you will get this screen the first time you run N1MM. We're going to create a new N1MM logger+ database.



We'll worry about fixing the "Missing Station Info" in a few slides from now.



The default name, ham.s3db, will do fine. Click Save from here.



At this point you will get a prompt to fill in your station information. Next slide is an example with my 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

KC2KY's Station 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:

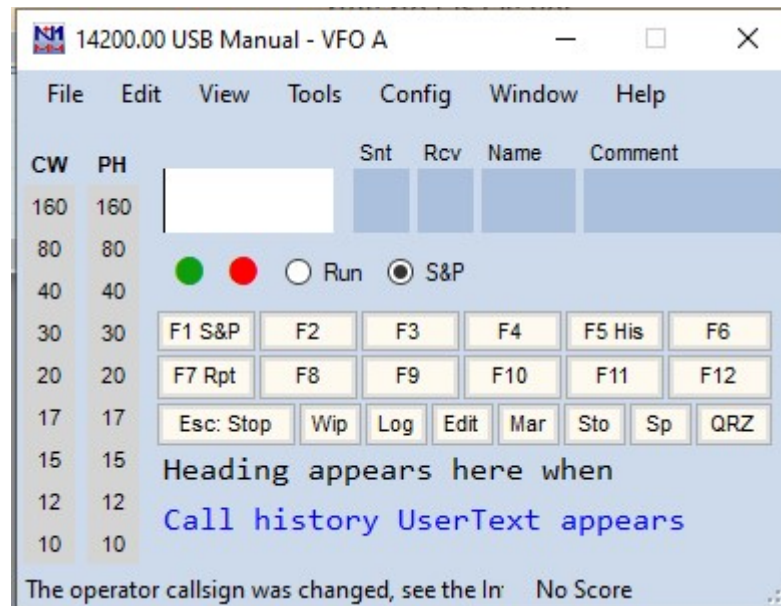
N1MM is smart enough to automatically fill in your lat and lon from your grid square (assuming you know your grid square)

Radio Central ARC and Order of Boiled Owls of NY

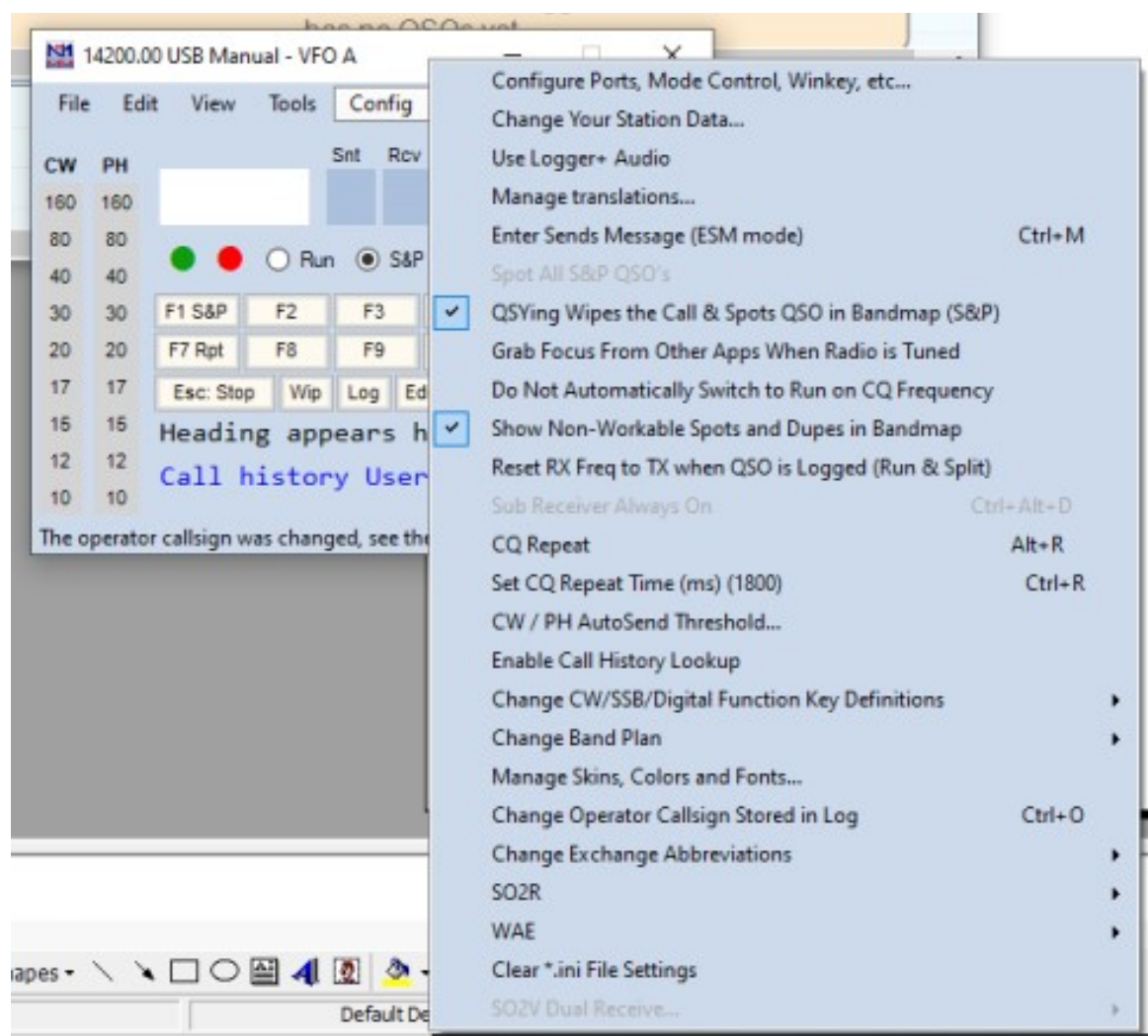


[Club name must match everyone else's *Exactly* or your score won't get contributed to the club score!]

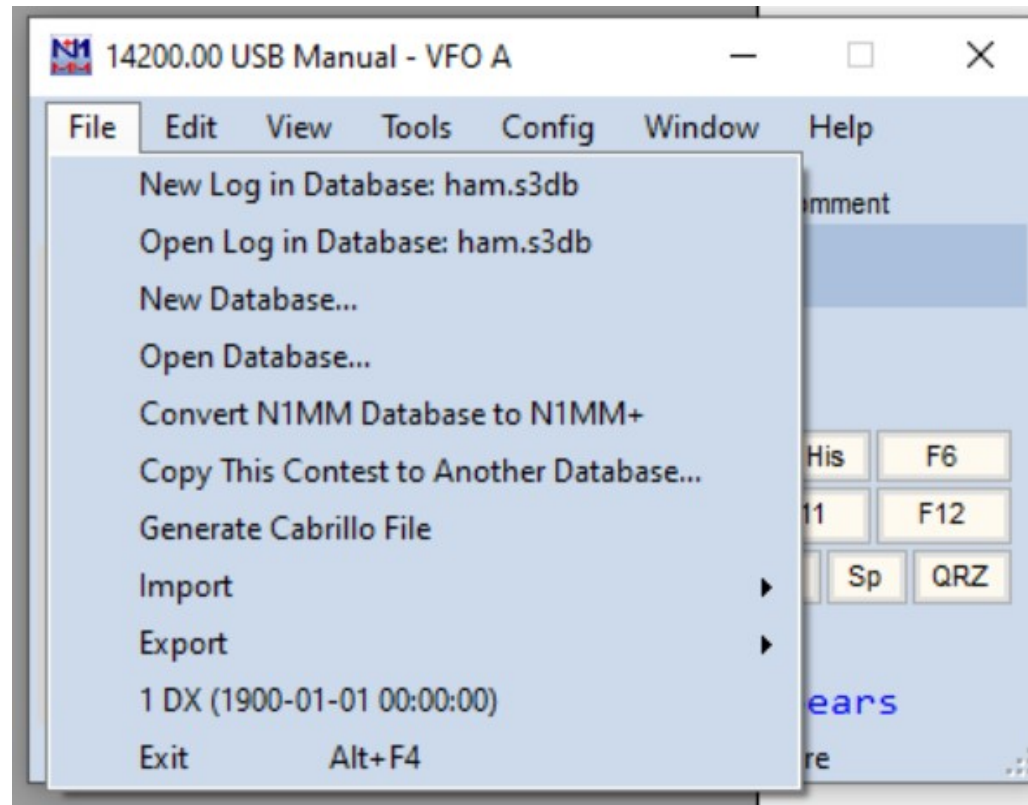
Here is the main logging window. It is not set up for FD yet. We'll take care of that in a few slides.



If you made a mistake in your station data and want to fix it, this will get you back to the Station Data screen:
Config => Change Your Station Data...



Now to set up for Field Day:
File => New Log In Database: ham.s3db



This screen pops up. Change Log Type to FD...

ham.s3db

New log For: General Logging

Log Type ▼

Start Date

Use Up/Down cursor keys to see long description above.

Total number of contacts in database 0

Contest

Category

Operator ▼

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

Power ▼

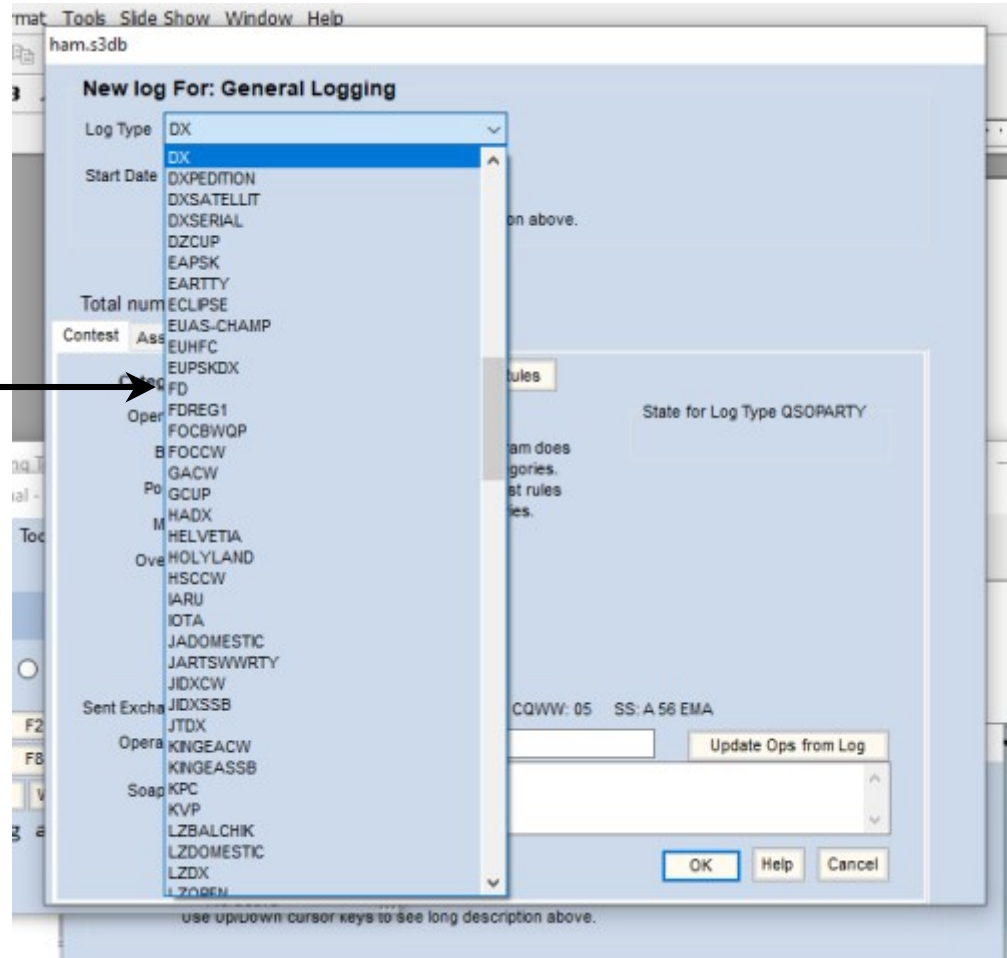
Mode ▼

Overlay ▼

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

Operators

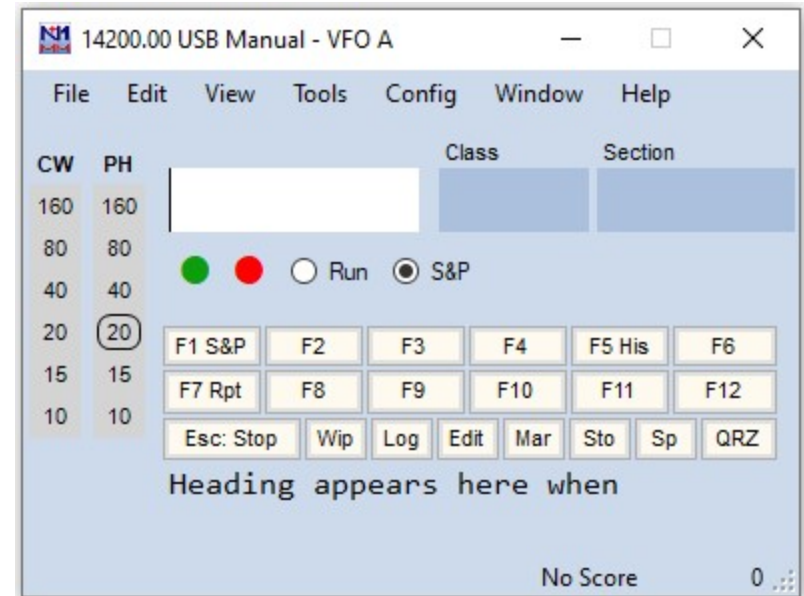
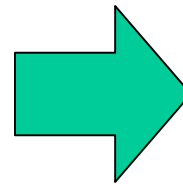
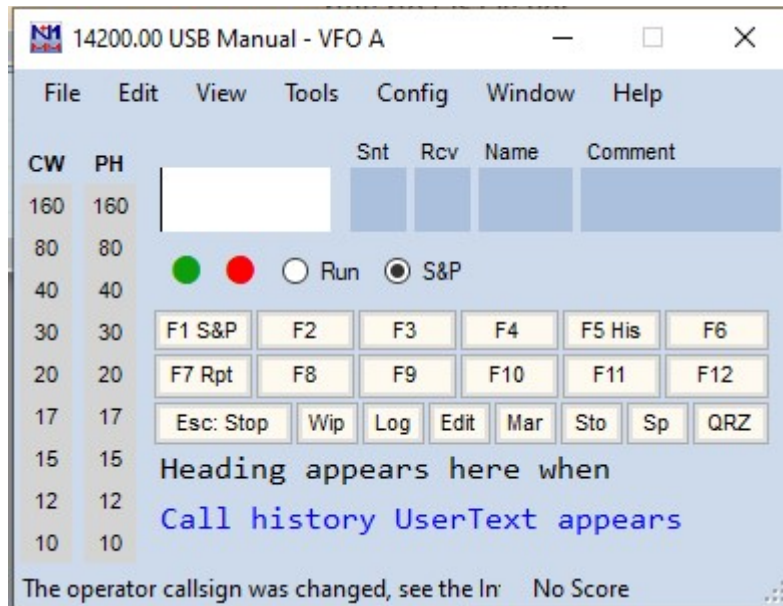
Soapbox



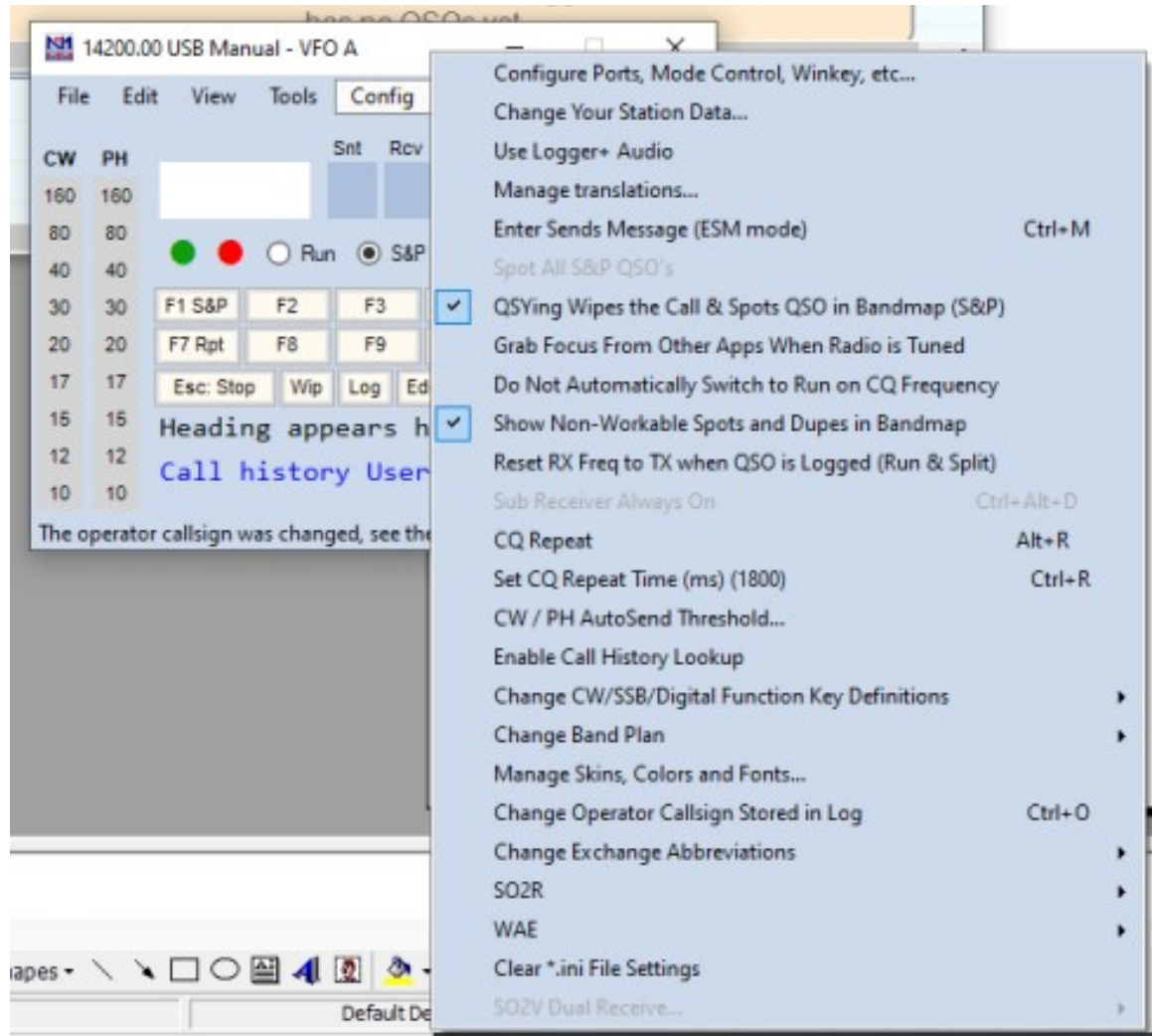
When you change from default (DX) to FD, the Main window changes...

From THIS

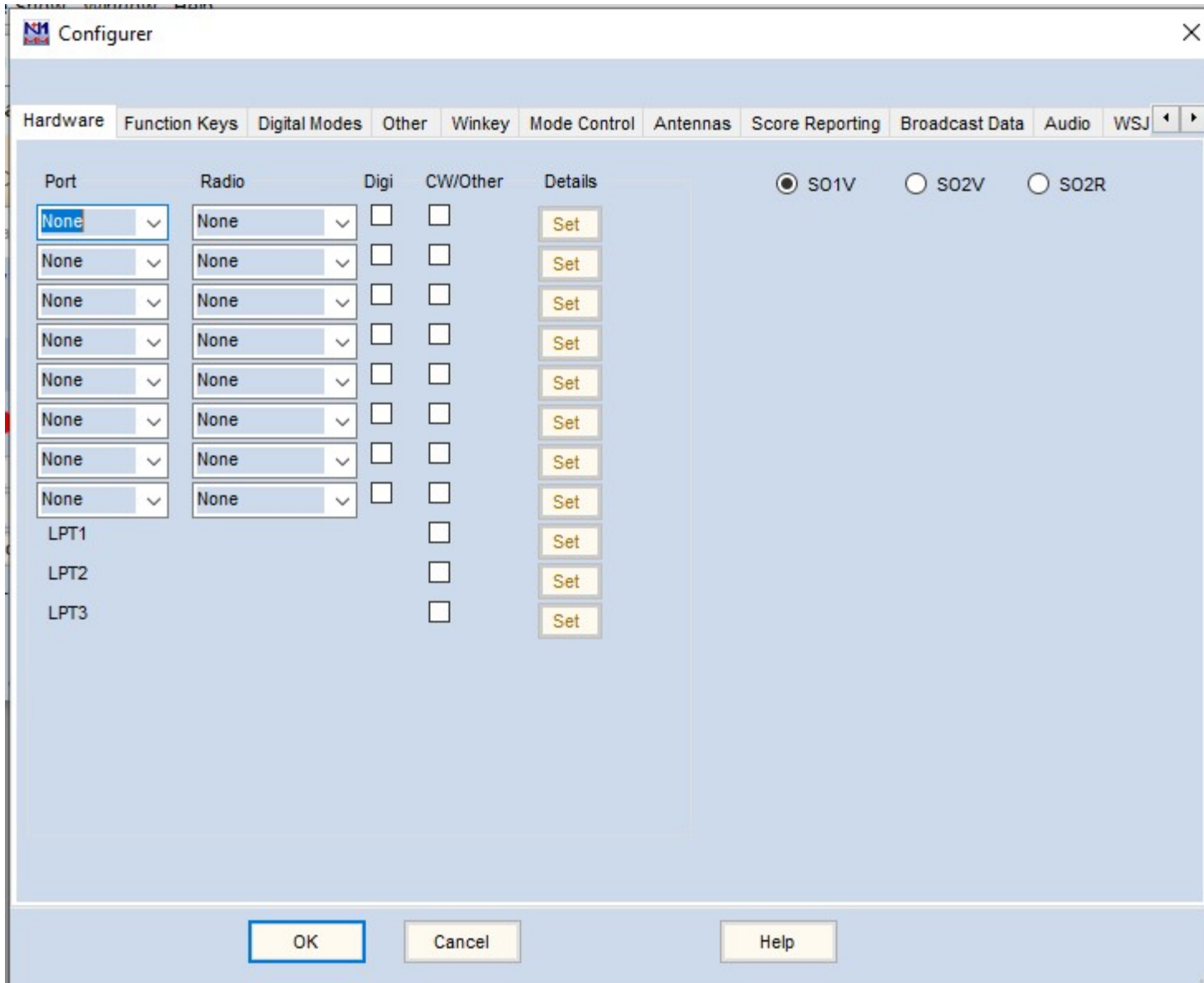
To THIS



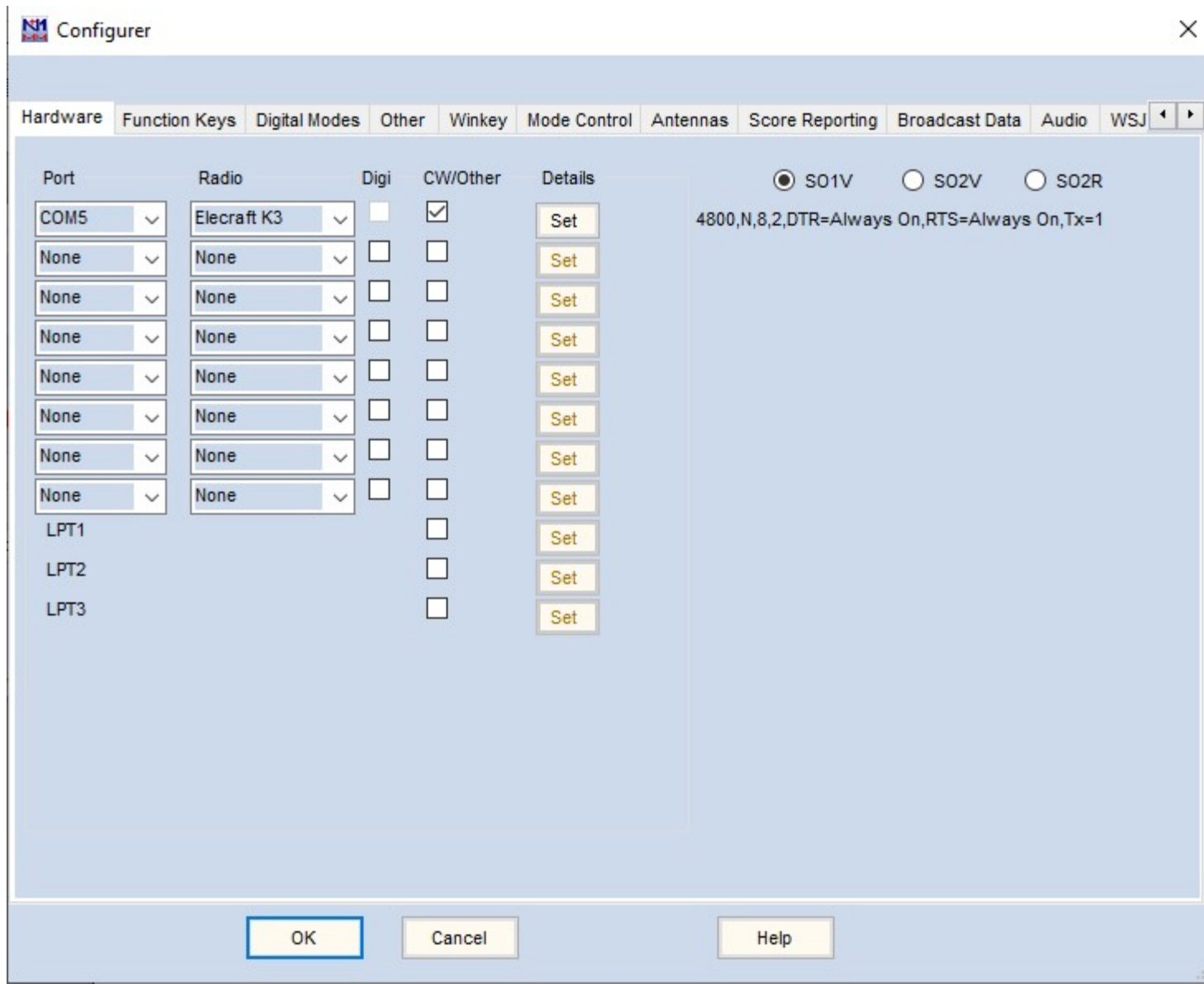
If you are going to use N1MM to communicate with and control your rig:
Config => Configure Ports, Mode Control, Winkey, etc...



This screen will come up:



In my case, I'm controlling a K3 on COM5.



Use the SET button to fine-tune your port settings. In my case, I use 38400 baud and key the rig with RTS.

Com5

Speed	Parity	DataBits	Stop Bits
4800	N	8	2

DTR (pin 4)	RTS (pin 7)	Radio Nr
Always On	Always On	1

Enable Both Hardware & Software PTT
 PTT via Radio Command SSB Mode
 PTT via Radio Command CW Mode
 PTT via Radio Command Digital Mode

Allow ext interrupts

Two Radio Protocol	FootSwitch (pin 6)
None	None

Radio Polling Rate
Normal

Suggested Elecraft K3 Settings:
19200 - 38400, N, 8, 1, Always Off, Always Off

Help OK Cancel



Com5

Speed	Parity	DataBits	Stop Bits
38400	N	8	2

DTR (pin 4)	RTS (pin 7)	Radio Nr
Always Off	CW	1

Enable Both Hardware & Software PTT
 PTT via Radio Command SSB Mode
 PTT via Radio Command CW Mode
 PTT via Radio Command Digital Mode

Allow ext interrupts

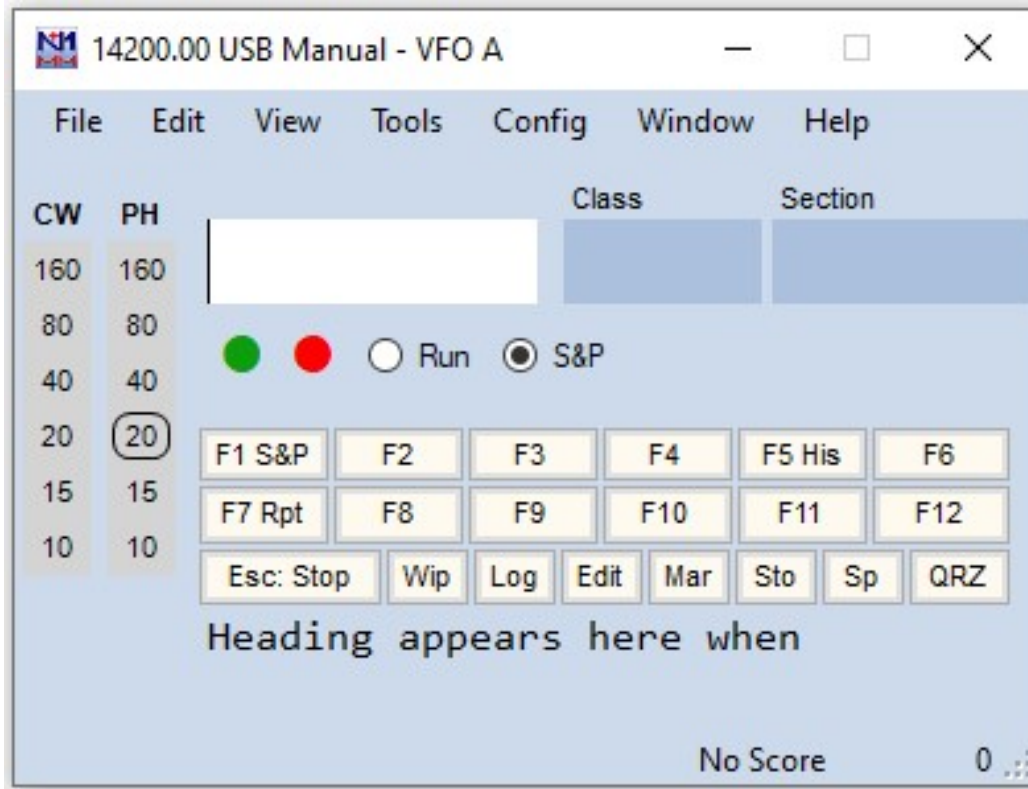
Two Radio Protocol	FootSwitch (pin 6)
None	None

Radio Polling Rate
Normal

Suggested Elecraft K3 Settings:
19200 - 38400, N, 8, 1, Always Off, Always Off

Help OK Cancel

Basic Logging



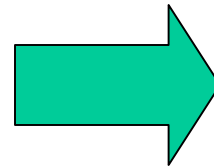
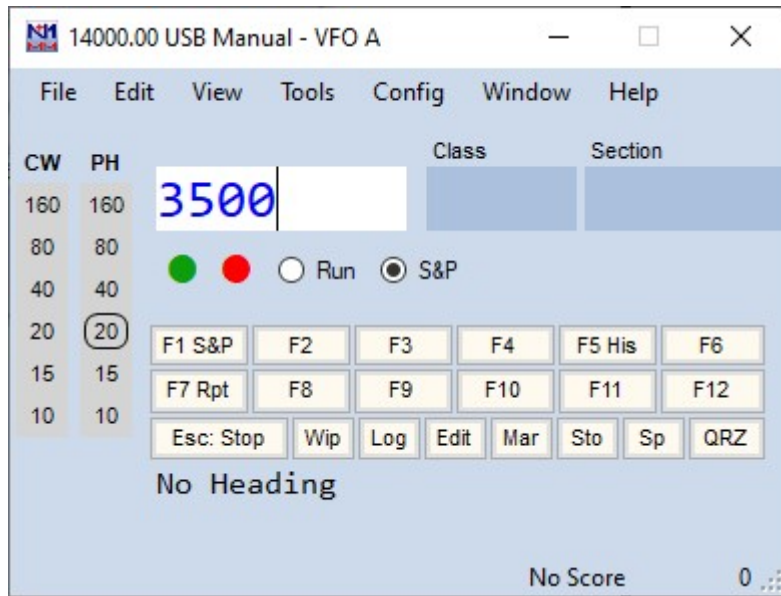
- Space bar cycles you through the 3 basic windows – Call, Class, and Section
- Ctrl-W wipes out the information if you did not complete the QSO and want to start over with a new contact

Basic Logging (Continued)

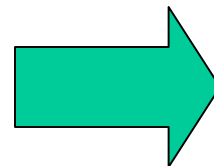
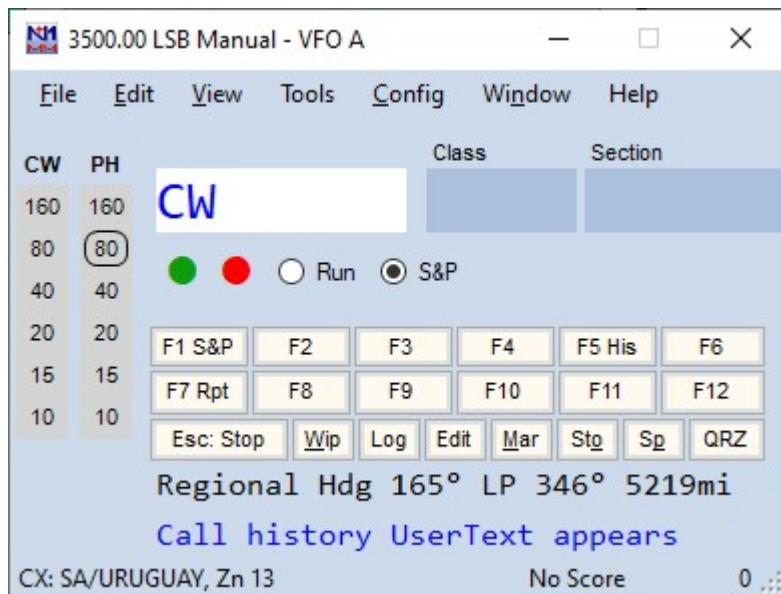
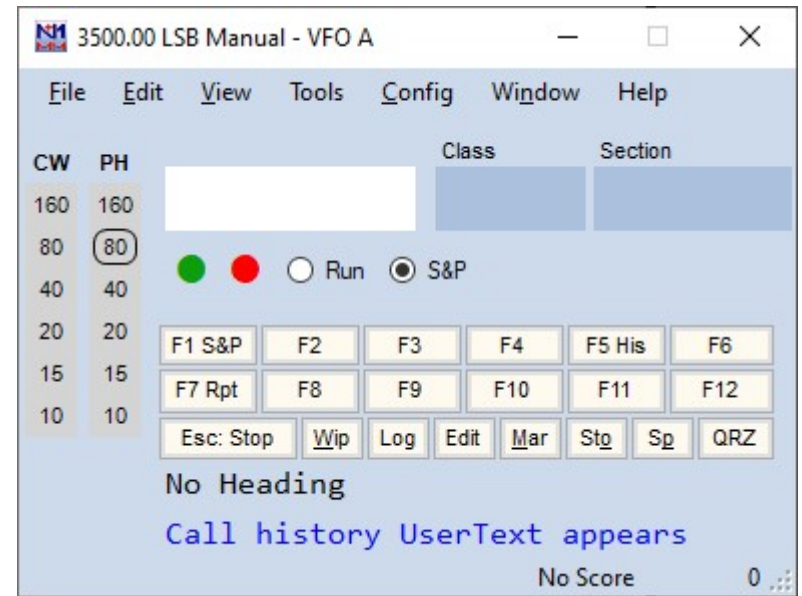
Click here to change to 80 CW

- You can change bands and mode by clicking on the band in the appropriate mode column
- Alternatively, change bands by typing the beginning frequency in the Call field (3500 for 80m, 7000 for 40m, etc). Change modes by typing the mode in the call field

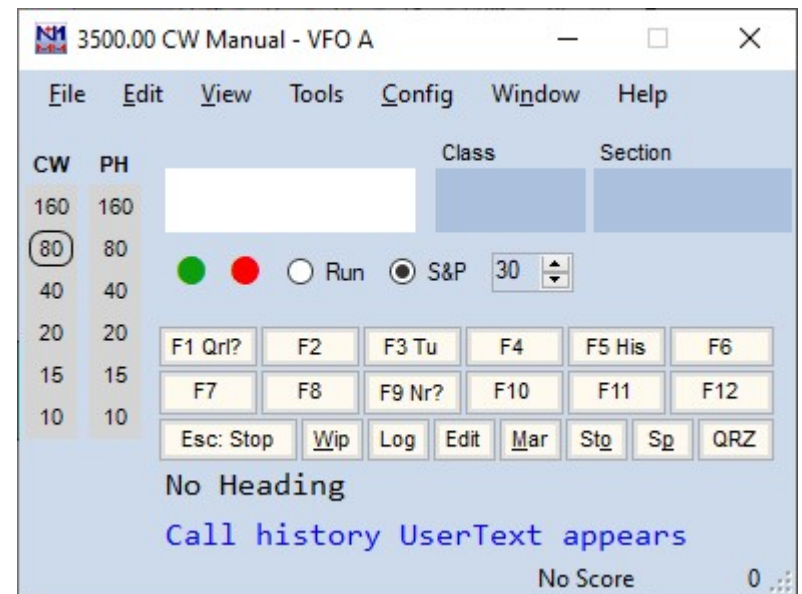
Basic Logging (Continued)



Band Change,
20m to
80m



Mode Change,
SSB to CW



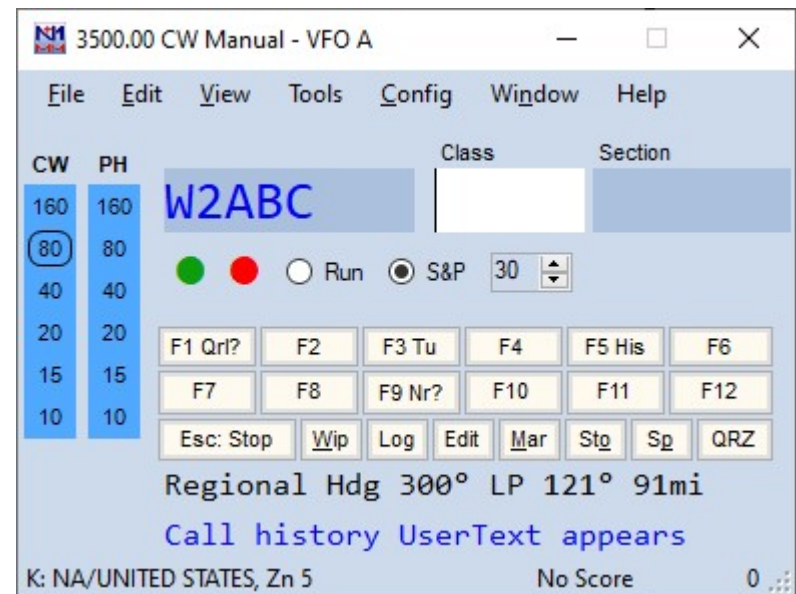
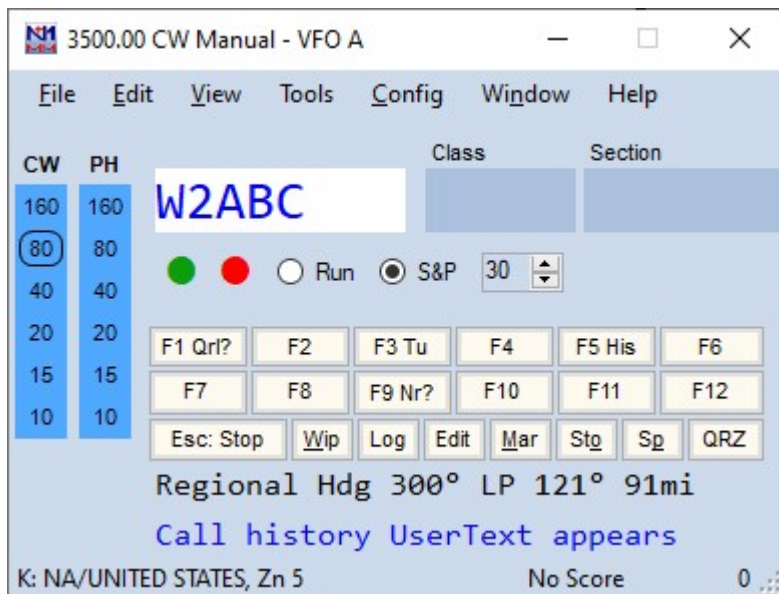
Basic Logging (Continued)

-If you are using Rig Control, your radio will follow band and mode changes that you enact in the N1MM logging window. Conversely, N1MM follows changes that you make from the rig's front panel controls.

Basic Logging (Continued)

-Let's make a QSO

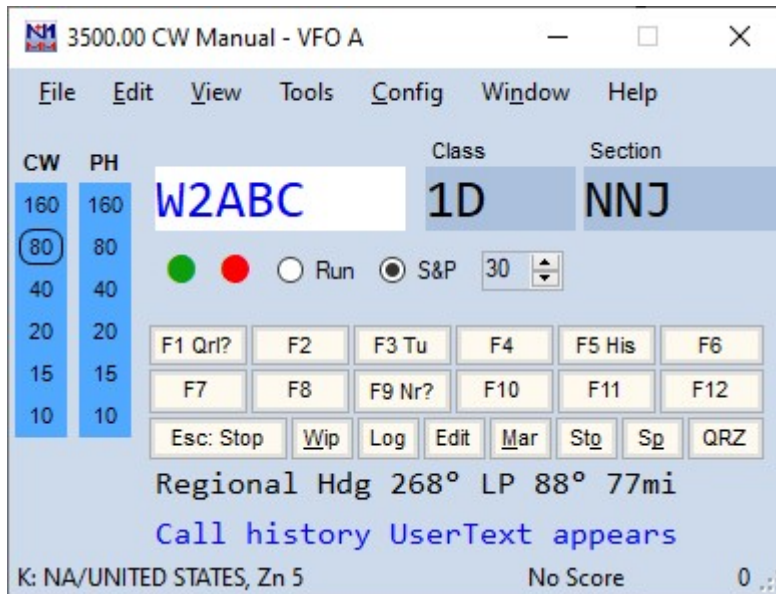
Suppose you hear W2ABC calling CQ...



-Enter his call in the first window and hit space bar

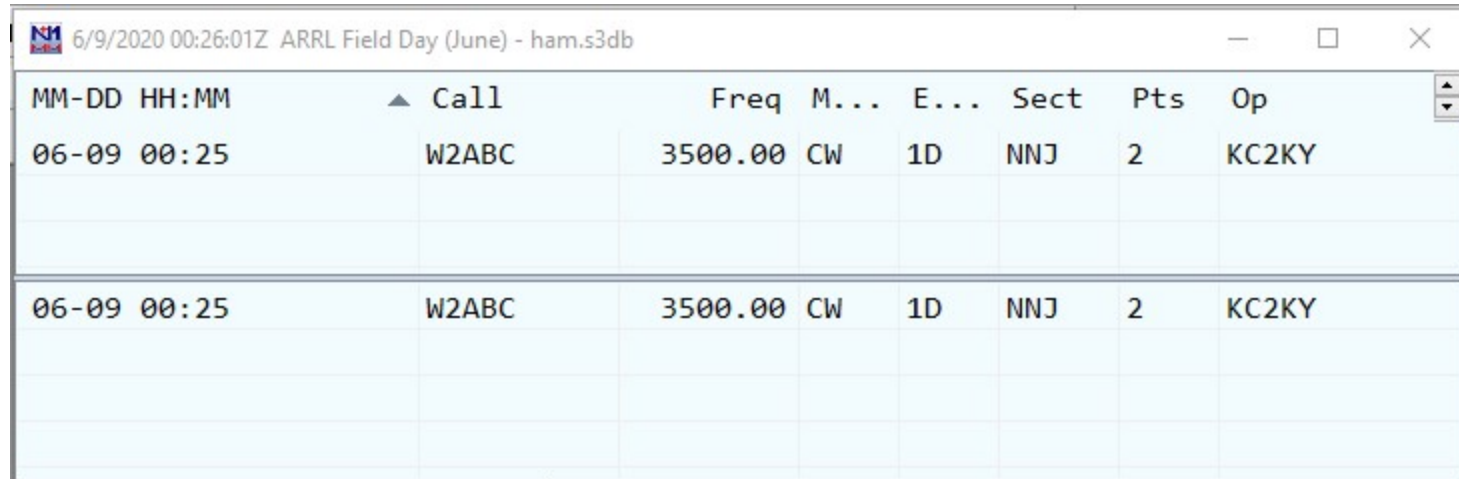
-In this example, let's suppose you answer him and he comes back with his class and section (in this example, 1D NNJ)

Basic Logging (Continued)



- Enter his class in the Class window; use the space bar to move into the Section window.
- Send your info (example 1D NLI). When he confirms (usually he'll say QSL or just TU), you log the QSO by hitting Enter. Congrats – you just logged your first QSO in N1MM

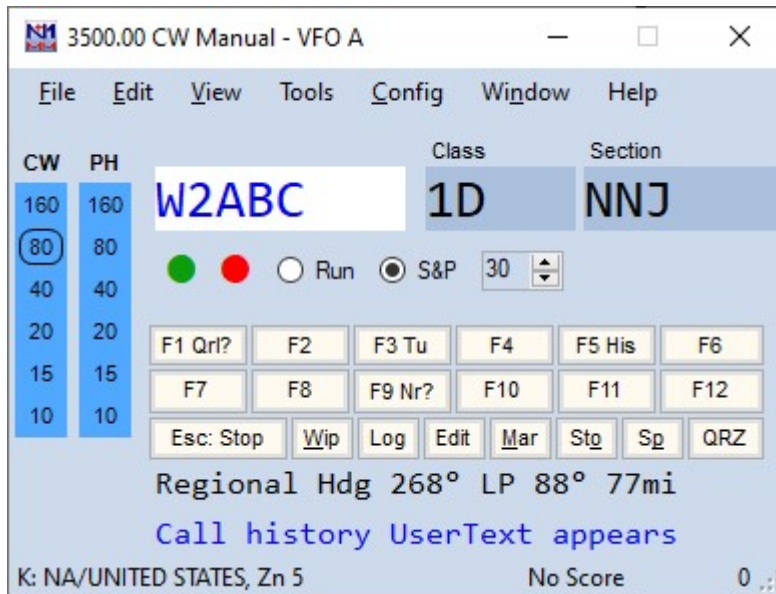
Basic Logging (Continued)



MM-DD HH:MM	Call	Freq	M...	E...	Sect	Pts	Op
06-09 00:25	W2ABC	3500.00	CW	1D	NNJ	2	KC2KY
06-09 00:25	W2ABC	3500.00	CW	1D	NNJ	2	KC2KY

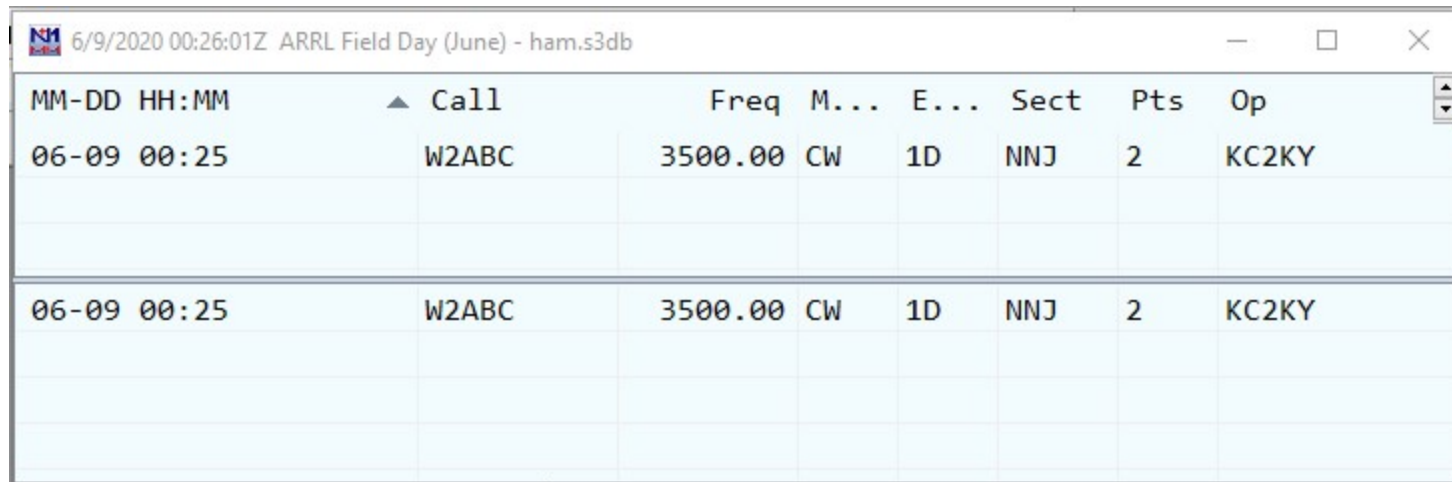
-Here he is in your log.

Basic Logging (Continued)



-However, what if W2ABC didn't acknowledge your info or for any other reason you just can't take credit for the QSO? Before you hit Enter to log the QSO, you can use Ctrl-W or Alt-W to Wipe out the info and you're ready to try for another QSO.

Basic Logging (Continued)

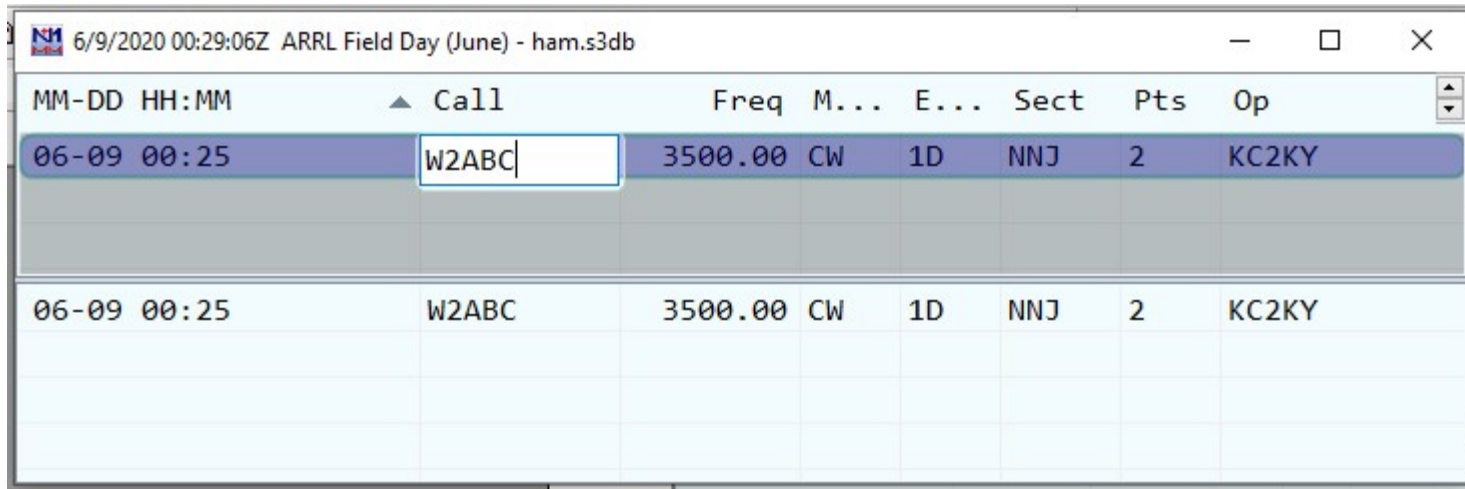


MM-DD	HH:MM	Call	Freq	M...	E...	Sect	Pts	Op
06-09	00:25	W2ABC	3500.00	CW	1D	NNJ	2	KC2KY
06-09	00:25	W2ABC	3500.00	CW	1D	NNJ	2	KC2KY

-A common problem: Suppose you log a contact and realize that you made a mistake – for example what if you got the call wrong (he’s really W2ABD)

-In the log window, double click on the thing you want to change... (next slide shows what you see after you double click the call sign)

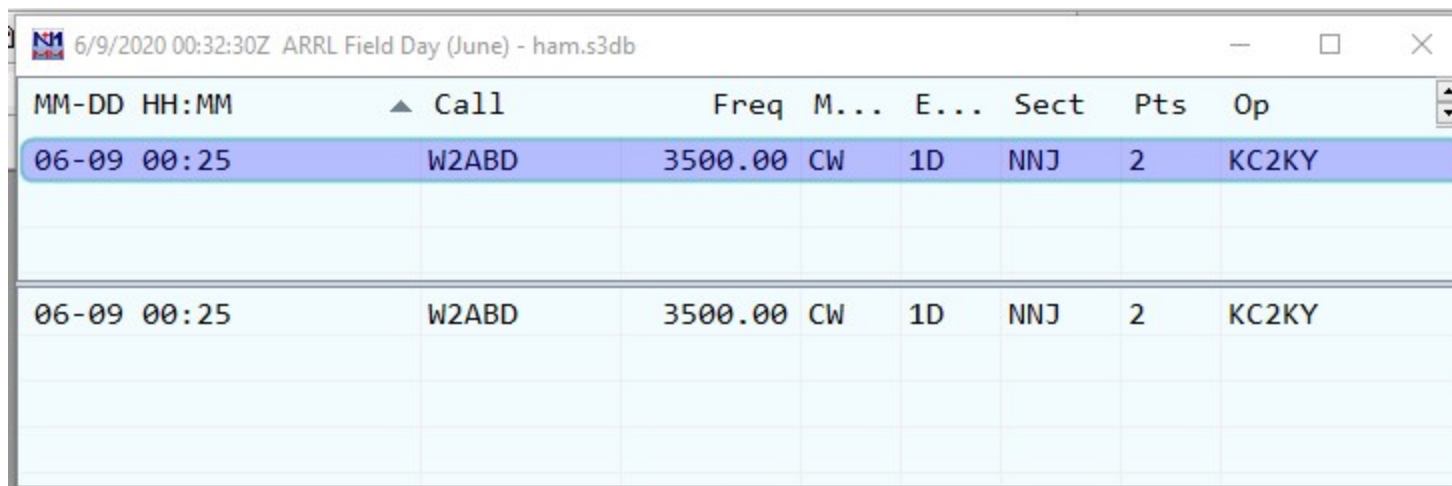
Basic Logging (Continued)



The screenshot shows the N1MM logging window titled "6/9/2020 00:29:06Z ARRL Field Day (June) - ham.s3db". The window displays a table with columns: MM-DD HH:MM, Call, Freq, M..., E..., Sect, Pts, and Op. The first row is highlighted in blue and shows "06-09 00:25", "W2ABC", "3500.00", "CW", "1D", "NNJ", "2", and "KC2KY". A text input field is overlaid on the "Call" column of the first row, containing "W2ABC".

MM-DD HH:MM	Call	Freq	M...	E...	Sect	Pts	Op
06-09 00:25	W2ABC	3500.00	CW	1D	NNJ	2	KC2KY
06-09 00:25	W2ABC	3500.00	CW	1D	NNJ	2	KC2KY

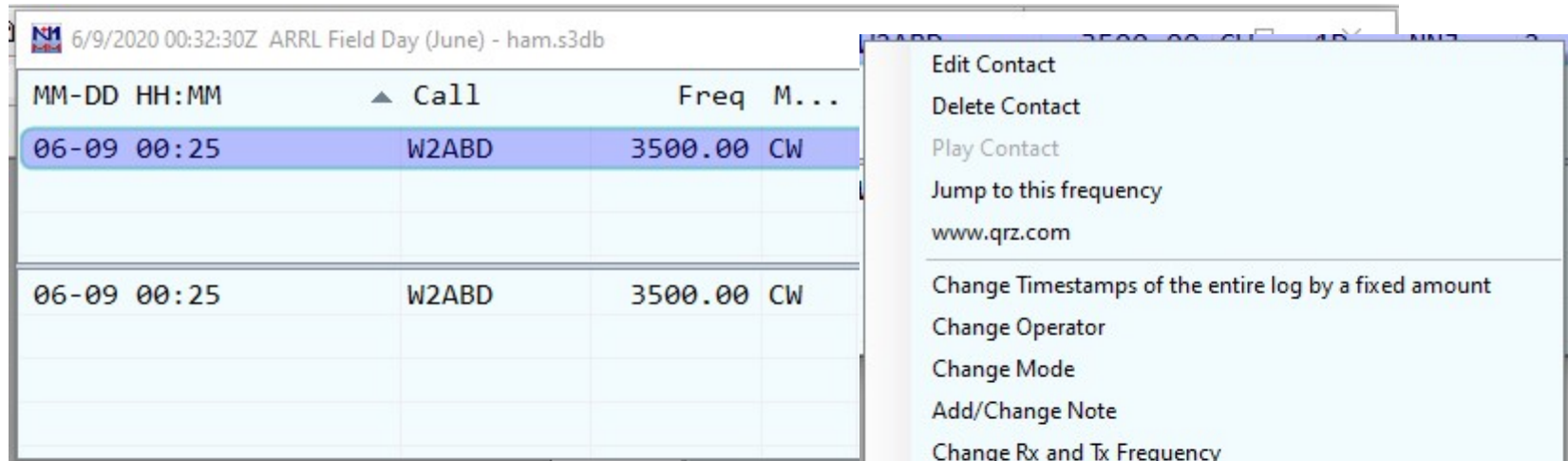
-Now you can edit and correct the call sign. Likewise you can fix wrong sections or classes, even wrong frequency or mode if you're not using rig control and forgot to manually change band or mode in N1MM.



The screenshot shows the N1MM logging window titled "6/9/2020 00:32:30Z ARRL Field Day (June) - ham.s3db". The window displays a table with columns: MM-DD HH:MM, Call, Freq, M..., E..., Sect, Pts, and Op. The first row is highlighted in blue and shows "06-09 00:25", "W2ABD", "3500.00", "CW", "1D", "NNJ", "2", and "KC2KY".

MM-DD HH:MM	Call	Freq	M...	E...	Sect	Pts	Op
06-09 00:25	W2ABD	3500.00	CW	1D	NNJ	2	KC2KY
06-09 00:25	W2ABD	3500.00	CW	1D	NNJ	2	KC2KY

Basic Logging (Continued)



The screenshot shows a logging software window titled "6/9/2020 00:32:30Z ARRL Field Day (June) - ham.s3db". The main window contains a table with columns: MM-DD HH:MM, Call, Freq, and M... The table has two rows, both containing "06-09 00:25", "W2ABD", and "3500.00 CW". The first row is highlighted in blue. A context menu is open over the first row, listing various actions such as "Edit Contact", "Delete Contact", "Play Contact", "Jump to this frequency", "www.qrz.com", "Change Timestamps of the entire log by a fixed amount", "Change Operator", "Change Mode", "Add/Change Note", "Change Rx and Tx Frequency", "Change Station Name", "Show rates to this QSO in Info Window", "Set Start Interpolation Time & Row", "Set Stop Interpolation Time & row", "Rescore from this point on", "Auto-Set Column Widths", "Delete custom column widths", and "Show Mode".

MM-DD HH:MM	Call	Freq	M...
06-09 00:25	W2ABD	3500.00	CW
06-09 00:25	W2ABD	3500.00	CW

Context Menu Options:

- Edit Contact
- Delete Contact
- Play Contact
- Jump to this frequency
- www.qrz.com
- Change Timestamps of the entire log by a fixed amount
- Change Operator
- Change Mode
- Add/Change Note
- Change Rx and Tx Frequency
- Change Station Name
- Show rates to this QSO in Info Window
- Set Start Interpolation Time & Row
- Set Stop Interpolation Time & row
- Rescore from this point on
- Auto-Set Column Widths
- Delete custom column widths
- Show Mode

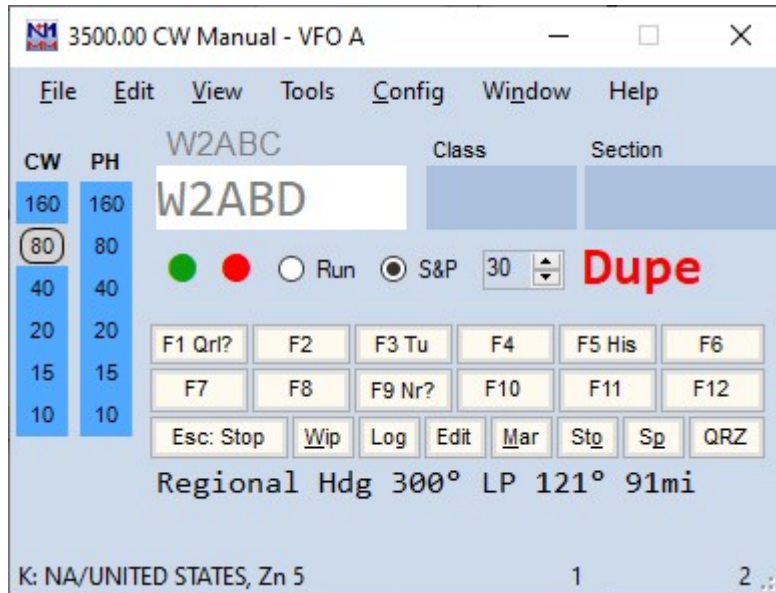
Confirm Contact Delete

Are you sure you want to move to DELETEDQS this contact with W2ABD at 2020-06-09 00:25:11?

Yes No

-If you need to delete a QSO from the log entirely, right-click on the entry and this menu will appear. Select Delete Contact. You will get a pop-up to confirm delete, then if you click Yes, then poof, the QSO is gone.

Basic Logging (Continued)



-If you already worked a station on the same band and mode, N1MM will let you know right away with the word **Dupe** in bold red letters.

This should be enough to get you started. I recommend that you install the latest N1MM full install and the latest update well in advance of Field Day so you can give it a test drive and get comfortable with it.

73 an Good Luck in the Contest!