# N1MM+ SETUP AND OPERATIONS FOR FIELD DAY

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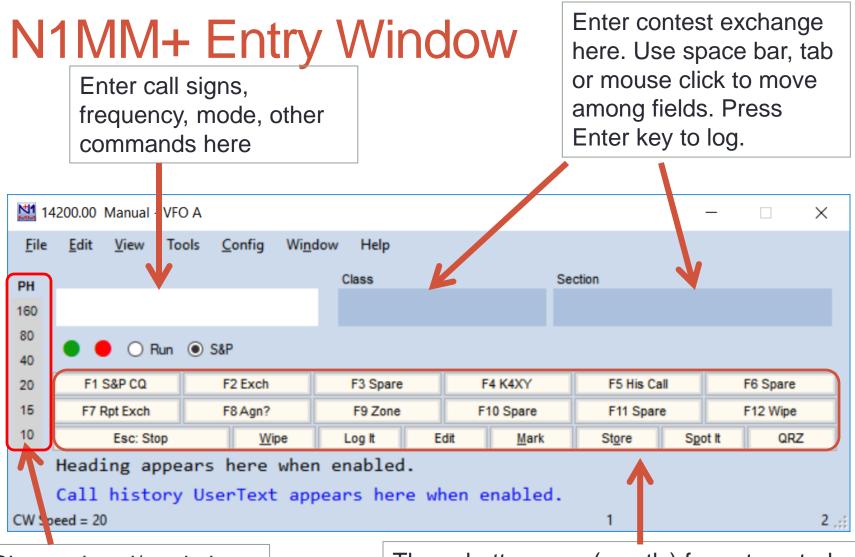
## Agenda

- N1MM+ Overview
- Setup
  - Installation or update of N1MM+
  - Creating the N1MM+ Database and Log for Field Day
  - Configuring Station Parameters
  - Configuring CAT and/or Keyer Control (Optional)
  - Testing configuration and logging
- Operations
  - Getting Started
    - Set Operator
    - Set Band/Frequency
    - Dupe checking
  - Backing up the log
  - The Band Map

# N1MM+ OVERVIEW

#### N1MM+ Overview

- N1MM+ is a contest logging tool that VWS uses for Field Day, NAQP, and other events
- N1MM+ records exactly what is required for each individual contest and scores contacts according to the contest rules
- N1MM+ helps you to avoid duplicate contacts that will waste time and not add to your score
- To do these things, it has to be set up with a new log for each contest
- N1MM+ can display several windows. We'll cover the two most important in this overview.



Change band/mode by clicking here

These buttons are (mostly) for automated sending of messages in CW, digital, or with voice recordings

## N1MM+ Log Window



Double click any field to edit it.

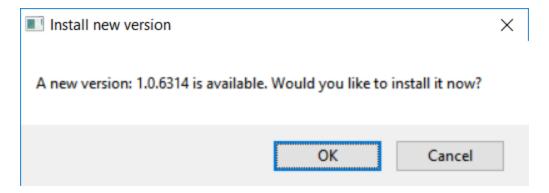
Right click an entry to get a menu for editing or deleting.

The WIPELOG command in the Entry window can be used to empty the log of all entries after testing.

# SETUP

#### Install or Update N1MM+

- If N1MM+ is not installed first follow the Full Install instructions at this link:
  - http://n1mm.hamdocs.com/tikiindex.php?page=Full+Install
  - Accept defaults for locations of files
- A new installation or an existing installation should be updated to the latest version of N1MM+. Start N1MM+ while connected to the internet, and select OK when this dialog box appears:

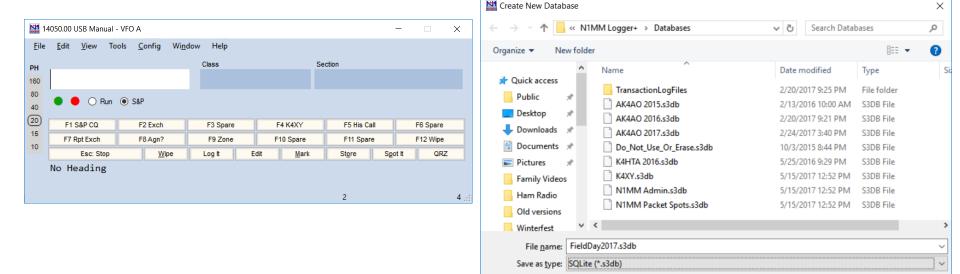


Save

Cancel

#### Create Database for FD 2017

- New installations a dialog box should appear offering option to create a new database
- Existing installations From the Entry window select File->New Database (Use an existing database ONLY if you already have one set up for K4XY at Field Day)



→ Hide Folders

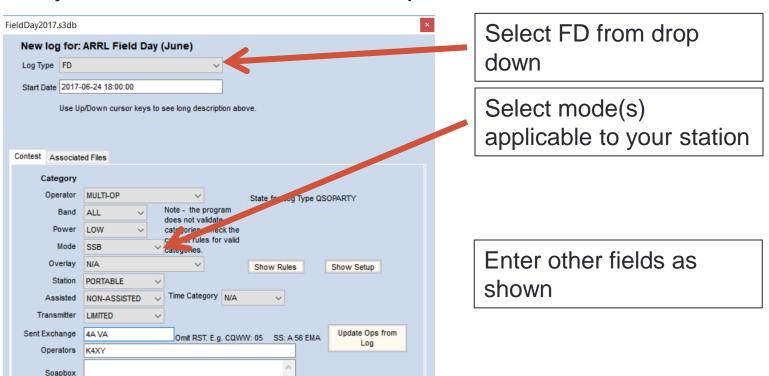
## Configure Station Data – Mandatory!

 If the dialog box below doesn't pop up, from the Entry window select Config -> Change Your Station Data...

M Edit Station Inf	formation X
Call Name Address Address	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.
City	State VA Zip
Country	UNITED STATES
Grid Square	FM18IS CQ Zone 5 ITU Zone 9
License	Latitude 38.75286; N V Longitude 77.299011 W V
Station TX/RX	Power 100
Antenna	Ant. Height a.s.l.
ARRL Section	VA
Rover QTH	
Club	Vienna Wireless Society
Email address	NoEmailProvided
	Ok <u>H</u> elp <u>C</u> ancel

## Create Log for Field Day 2017

 From Entry window select File -> New Log in Database FieldDay2017.s3db. Set station parameters:



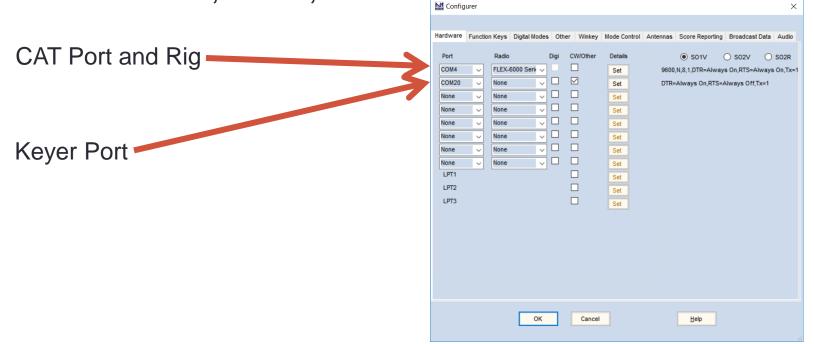
Help

Cancel

#### Optional CAT Control and Keyer Setup

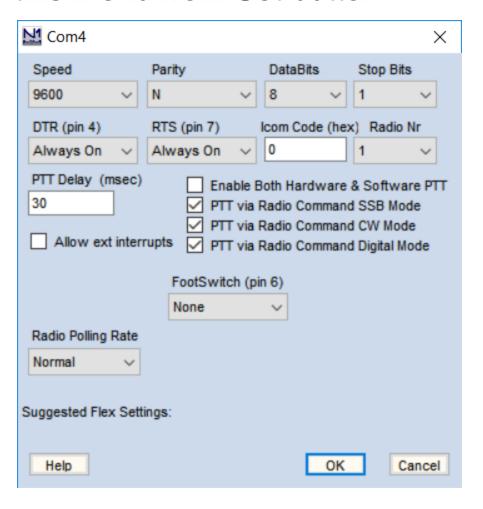
- CAT allows N1MM to sense and change frequency and mode
- Requires serial interface to PC

From Entry window select Config -> Configure Ports,
 Mode Control, Audio, Others.

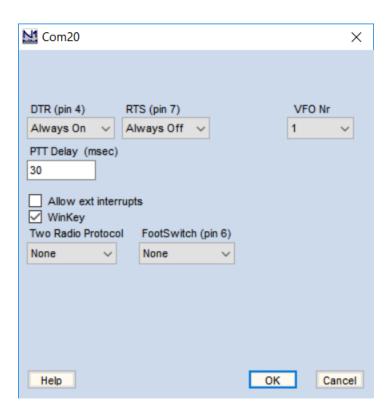


#### **CAT Control Details**

Access this menu from Set button



#### Keyer Control Details for Winkeyer

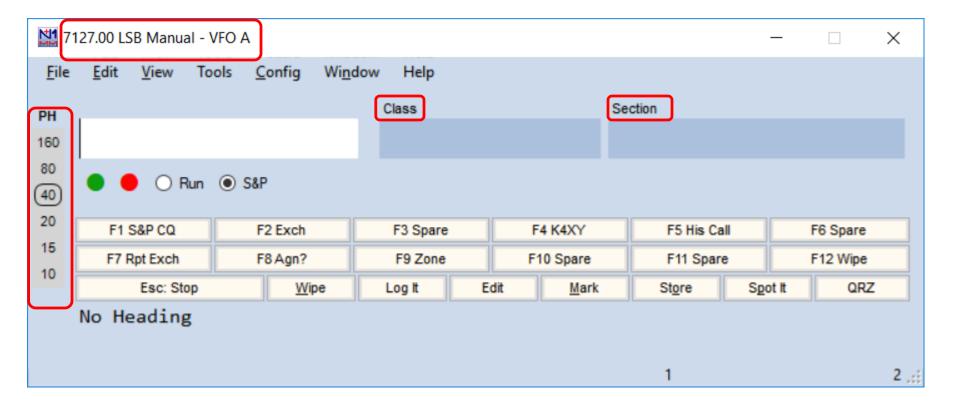


#### **Special Cases**

- CW and Digital stations can use macros for calling CQ, etc. See me for sample macro files and setup details.
- I have a Winkeyer available if needed for FD.
- Phone stations can use recorded voice for calling CQ, etc.
   Let's discuss if interested.

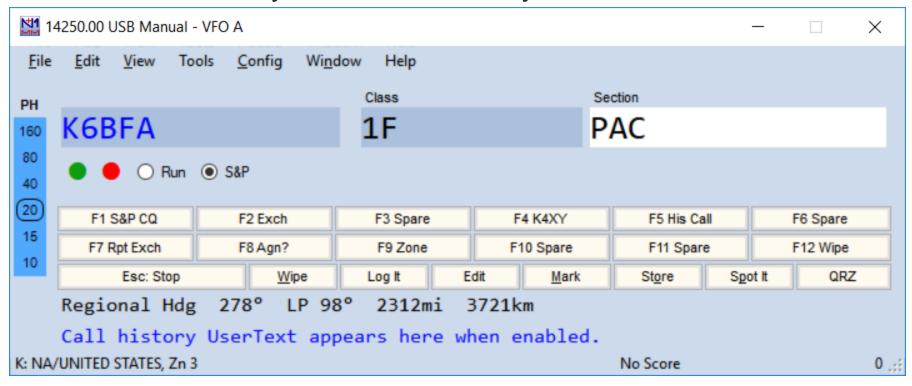
## **Testing**

 Start N1MM+ and verify that the Entry window appears with expected entry fields, bands, mode(s), and CAT control (if installed and operational).



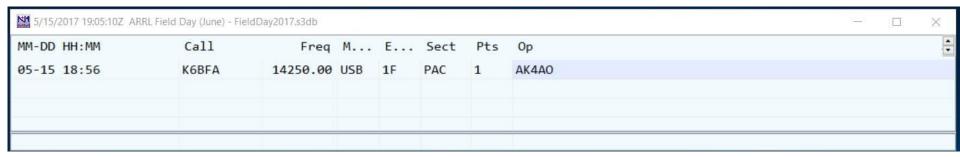
#### Test Logging

Enter a dummy QSO in the Entry window



Use Space Bar (preferred) or Tab to go to next field Use Enter to enter into log

## Verify Log



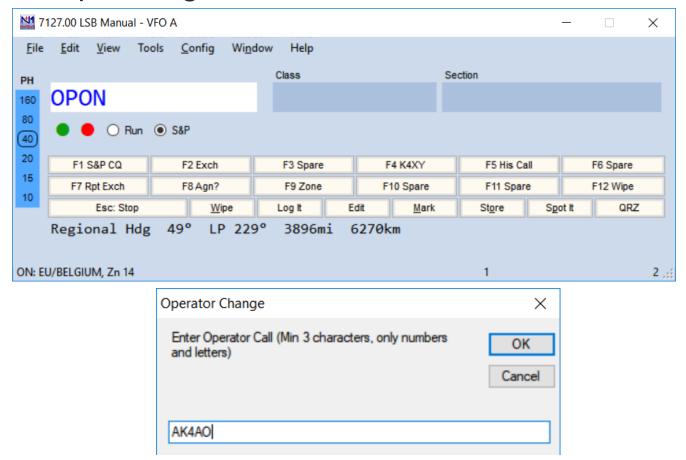
Note that the Field Day exchange is Class and ARRL Section Most Sections are States, but there are several exceptions Suggest keeping a list of ARRL sections handy

Also: If the QSO isn't logged when Enter is pressed, one of the entry fields is wrong – likely the section!

## **OPERATIONS**

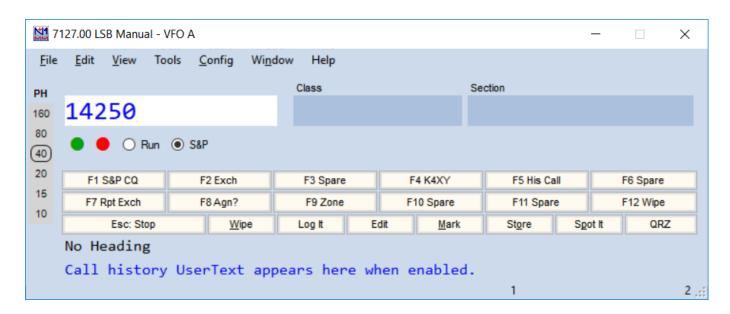
#### Setting Operator (each time op changes)

 Set the operator by entering OPON in the Entry Window or pressing <CTRL>O



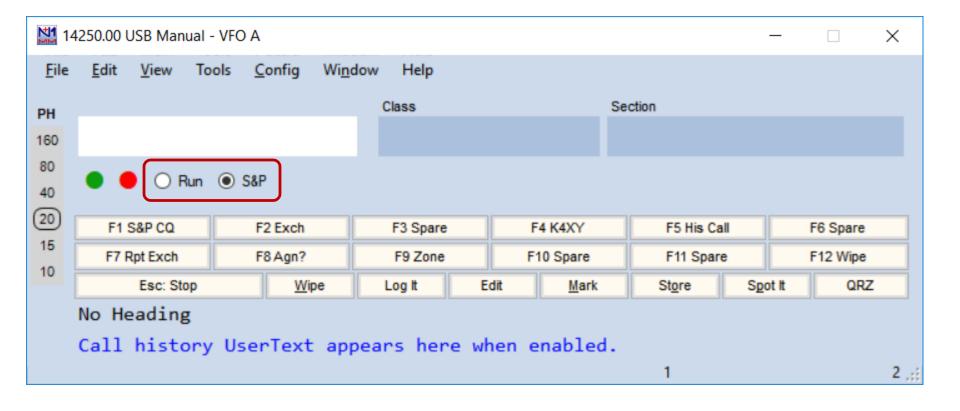
## Setting Frequency

- With CAT control, just verify that Entry window shows radio dial frequency and correct mode
- Without CAT control, either click band/mode at left of Entry window or enter frequency in kHz



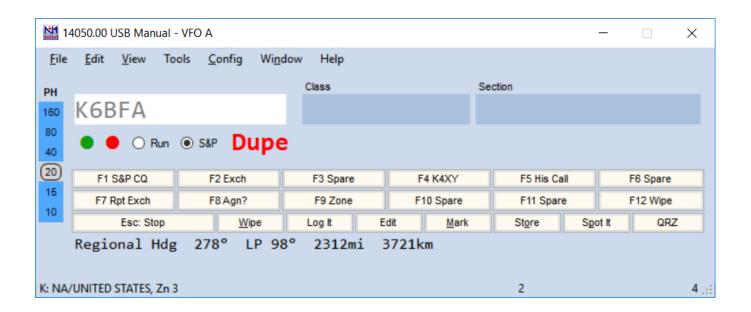
#### Set Run or S&P

- Run = I will call CQ
- S&P = "Search and Pounce" I will answer CQs



#### **Dupe Checking**

- A "Dupe" is a station already worked on the current band and mode. Working a dupe doesn't add to our score.
- N1MM+ will identify a duplicate station when the call sign is entered



#### Backing Up the Log

- Backing up periodically to a thumb drive during FD is recommended
- A copy of the log is needed at the end of FD
- Recommended procedure
  - From the Entry window select File -> Export -> Export ADIF to File >Export ADIF to File...
  - Select a directory on your thumb drive and give the backup a unique name.
  - For the final version at end of Field Day, please name it something like "Final 2017 FD 80-20 CW.ADI"

#### The Bandmap

- You can use the Bandmap window to return to a station you need but can't work at the moment
- Open the Bandmap window by selecting Window ->Bandmap from the Entry window
- Enter at least the call sign in the Entry window, then click "Store"

With CAT control, you can return to the station by clicking

on the bandmap entry



#### **Final Note**

 N1MM+ is thoroughly documented. See this link: <a href="https://n1mm.hamdocs.com/tiki-index.php">https://n1mm.hamdocs.com/tiki-index.php</a>