N1MM+ SETUP AND OPERATIONS FOR FIELD DAY

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Agenda

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  • Creating the N1MM+ Database and Log for Field Day
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  • Testing configuration and logging
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  • 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.
N1MM+ Entry Window

Enter call signs, frequency, mode, other commands here

Enter contest exchange here. Use space bar, tab or mouse click to move among fields. Press Enter key to log.

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

<table>
<thead>
<tr>
<th>MM-DD</th>
<th>HH:MM</th>
<th>Call</th>
<th>Freq</th>
<th>Mode</th>
<th>Exch</th>
<th>Sect</th>
<th>Pts</th>
<th>Op</th>
</tr>
</thead>
<tbody>
<tr>
<td>05-16</td>
<td>18:29</td>
<td>K6BFA</td>
<td>14250.00</td>
<td>USB</td>
<td>1F</td>
<td>PAC</td>
<td>1</td>
<td>AK4AO</td>
</tr>
</tbody>
</table>

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:
  - 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:
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)
Configure Station Data – Mandatory!

- If the dialog box below doesn’t pop up, from the Entry window select Config -> Change Your Station Data…
Create Log for Field Day 2017

- From Entry window select File -> New Log in Database FieldDay2017.s3db. Set station parameters:
  
  Select FD from drop down

  Select mode(s) applicable to your station

  Enter other fields as shown
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 Port and Rig

Keyer Port
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: https://n1mm.hamdocs.com/tiki-index.php