How to Set Up N1MM
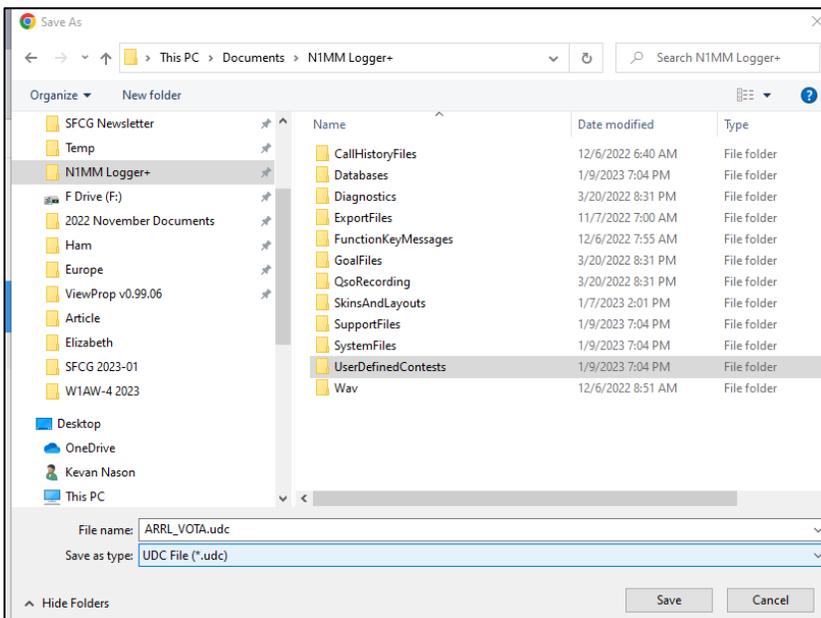
For W1AW/4 VOTA Operation

Download the User Defined Contest for W1AW/4 by:

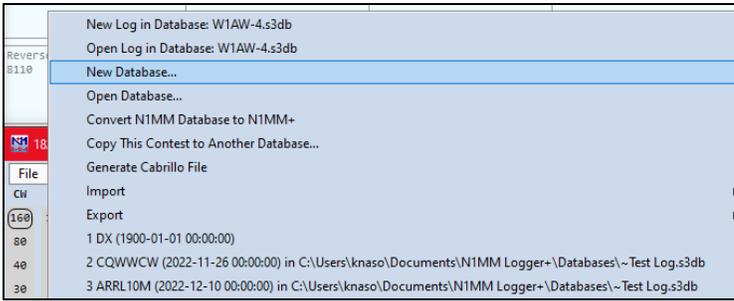Navigate to https://n1mmwp.hamdocs.com/mmfiles/arrl_vota-udc/ and click on Download.

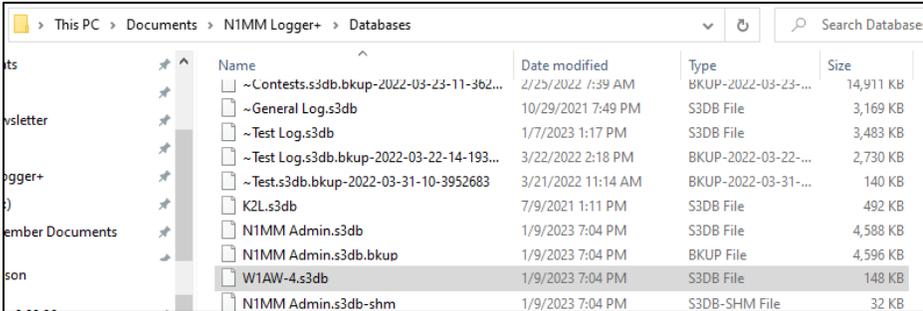
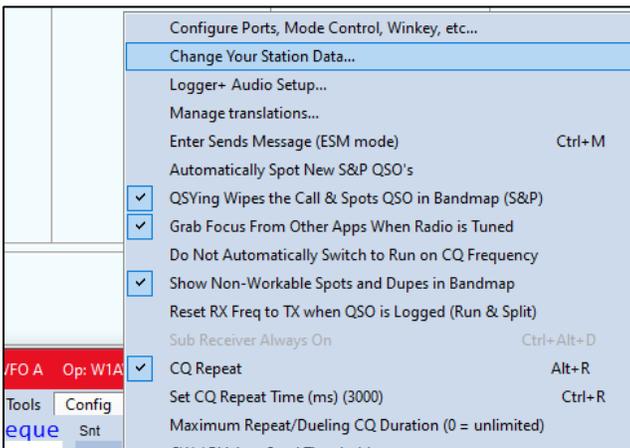Save the UDC to Documents>N1MM Logger+>UserDefinedContests

Start N1MM Software

Create New W1AW-4 Database by: Select File>New Database

	New Log in Database: W1AW-4.s3db
Revers	Open Log in Database: W1AW-4.s3db
8110	**New Database...**
	Open Database...
	Convert N1MM Database to N1MM+
18	Copy This Contest to Another Database...
File	Generate Cabrillo File
CW	Import ▸
160	Export ▸
80	1 DX (1900-01-01 00:00:00)
40	2 CQWWCW (2022-11-26 00:00:00) in C:\Users\knaso\Documents\N1MM Logger+\Databases\~Test Log.s3db
30	3 ARRL10M (2022-12-10 00:00:00) in C:\Users\knaso\Documents\N1MM Logger+\Databases\~Test Log.s3db

Name the new database W1AW-4 and Save

This PC > Documents > N1MM Logger+ > Databases

Name	Date modified	Type	Size
~Contests.s3db.bkup-2022-03-23-11-362...	2/25/2022 7:39 AM	BKUP-2022-03-23-...	14,911 KB
~General Log.s3db	10/29/2021 7:49 PM	S3DB File	3,169 KB
~Test Log.s3db	1/7/2023 1:17 PM	S3DB File	3,483 KB
~Test Log.s3db.bkup-2022-03-22-14-193...	3/22/2022 2:18 PM	BKUP-2022-03-22-...	2,730 KB
~Test.s3db.bkup-2022-03-31-10-3952683	3/21/2022 11:14 AM	BKUP-2022-03-31-...	140 KB
K2L.s3db	7/9/2021 1:11 PM	S3DB File	492 KB
N1MM Admin.s3db	1/9/2023 7:04 PM	S3DB File	4,588 KB
N1MM Admin.s3db.bkup	1/9/2023 7:04 PM	BKUP File	4,596 KB
W1AW-4.s3db	1/9/2023 7:04 PM	S3DB File	148 KB
N1MM Admin.s3db-shm	1/9/2023 7:04 PM	S3DB-SHM File	32 KB

Select Config>Select Change Your Station Data

	Configure Ports, Mode Control, Winkey, etc...	
	Change Your Station Data...	
	Logger+ Audio Setup...	
	Manage translations...	
	Enter Sends Message (ESM mode)	Ctrl+M
	Automatically Spot New S&P QSO's	
✔	QSYing Wipes the Call & Spots QSO in Bandmap (S&P)	
✔	Grab Focus From Other Apps When Radio is Tuned	
	Do Not Automatically Switch to Run on CQ Frequency	
✔	Show Non-Workable Spots and Dupes in Bandmap	
	Reset RX Freq to TX when QSO is Logged (Run & Split)	
	Sub Receiver Always On	Ctrl+Alt+D
/FO A Op: W1A ✔	CQ Repeat	Alt+R
Tools Config	Set CQ Repeat Time (ms) (3000)	Ctrl+R
eque Snt	Maximum Repeat/Dueling CQ Duration (0 = unlimited)	

Enter W1AW/4 in the Call Box. Ensure YOUR Grid Square, Zones, and Section are entered. That information is used by the ARRL. My information is shown below. Your Zones and Section will be the same, but Grid Square may be different. Select OK to Save.

Select File>New Log in Database

Select ARRL_VOTA ARRL Volunteers On The Air

Select the Associated Files Tab. Change the Messages to your W1AW/4 message files and Select OK to Save.
NOTE: Digital messages have not been assigned in the example below. The reason for two instances of W1AW/4 in the example below is because I have placed the message files I use for this event in a subfolder. The first W1AW-4 shown is telling N1MM to look for the associated W1AW-4 message file in the W1AW-4 subfolder. If you did not place your message files in a subfolder you will not see that type of format.
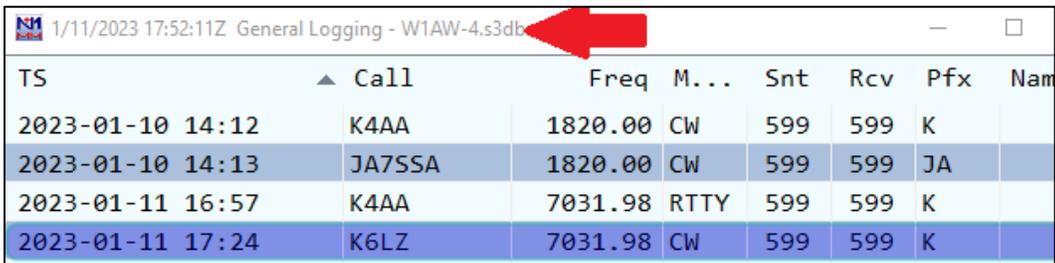
Screen shows W1AW/4 in Log Window

TS	Call	Freq	M...	Snt	Rcv	Pfx	Nam
2023-01-10 14:12	K4AA	1820.00	CW	599	599	K	
2023-01-10 14:13	JA7SSA	1820.00	CW	599	599	JA	
2023-01-11 16:57	K4AA	7031.98	RTTY	599	599	K	
2023-01-11 17:24	K6LZ	7031.98	CW	599	599	K	

Using the Entry Window.

- Pressing the space bar, using tab, or (when using ESM) pressing Enter will move the cursor to the Name and then Comment Fields. Those fields do NOT have be filled in to log the contact.

See example message file on next page.

Sample CW Message File. Modify as desired or make your own. The file I will be using is on the next page.

NOTE: Message files must have F1 through F12 listed in the file for the message to correspond with the correct Fkey. I use the "-" symbol to visually tell when a particular Fkey do not have a message tied to it. {Wipe} quickly erases information from the Entry Window fields if a contact is not completed. It also returns the cursor to the beginning of the Call Sign field in preparation for the next contact. Some may want to remove "W1AW/4" from F3 and manually decide when to identify. The coding needed to send "TU" three times and then automatically use "TU W1AW/4" on the fourth is at the bottom.

#RUN ---------- Run Messages begin here --------------------

F1 CQ,cq vota W1AW/4 W1AW/4

F2 Exch,5NN SC

F3 Tu,Tu W1AW/4

F4 W1AW/4,W1AW/4

F5 His Call,!

F6 -,

F7 CALL?,cl?

F8 Agn?,agn?

F9 RR,rr

F10 Call?,cl?

F11-,

F12 Wipe,{WIPE}

#S&P ---------- Search and Pounce Messages begin here ------

F1 Qrl?,qrl?

F2 Exch,5NN SC

F3 Tu,tu

F4 W1AW/4,W1AW/4

F5 His Call,!

F6 -,

F7 -,

F8 Agn?,agn?

F9 RR,rr

F10 Call?,cl?

F11 -,

F12 Wipe,{WIPE}

Have N1MM send "TU" three times and automatically change to "TU W1AW/4" on the fourth.

F3 TU,{VARYMSG1&TU&TU W1AW/4&4&}

CW Fkey message file used by N4XL. Initially anticipated that simplex operation will be used so the file is set up for that. Fkey messages for split were built into the file for rapid switching from simplex to split. If pileup so large I need to transmit up 1 KHz, then an Fkey messages with "#" in front will be used instead. Changes are made by simply deleting the "#" symbol in front of the desired message and adding "#" to the Fkey no longer being used. I intend to use RIT instead of the VFOA/B method of split operation so that N1MM's ability to move RIT (receive frequency) using the up/dn arrow keys can be used while running. That method keeps hands on keyboard reducing muscle strain from hours of moving hand back and forth between VFO knob and keyboard. Some Fkey lines use {CLEARRIT} and others don't because I will sometimes be split and other times not. I won't want to {CLEARRIT} if I am working a pileup 1 or 2 KHz up from my transmit freq. I built in an extra CQ and TU simplex message without {CLEARRIT} in case for some unknown reason in the heat of battle I discover I wished I had them to choose from. Ask if have questions about other features.

```
###################
#   RUN Messages
###################
```
F1 CQ,CQ VOTA W1AW/4 W1AW/4{CLEARRIT}
#F1 CQ,CQ VOTA W1AW/4 W1AW/4 >>UP~1<<
#F1 CQ,CQ VOTA W1AW/4 W1AW/4
F2 EXCH,5NN SC
F3 TU,{VARYMSG1&TU&TU W1AW/4&4&}{CLEARRIT}
#F3 TU,{VARYMSG1&TU&TU W1AW/4 >>up~1<<&3&}
#F3 TU,{VARYMSG1&TU&TU W1AW/4&3&}
F4 W1AW/4,W1AW/4
F5 HIS,!
F6 -,
F7 CALL?,CL~CL?
F8 ?,?
F9 RR,RR
F10 SC,SC SC
F11 UP 1,>>Up~1<<
F12 Wipe,{WIPE}{CLEARRIT}
#F12 Wipe,{Wipe}
```
###################
#   S&P Messages
###################
```
F1 QRL?,QRL?{CLEARRIT}
F2 EXCH,5NN SC
F3 TU,TU{CLEARRIT}
F4 W1AW/4,W1AW/4
F5 HIS,!
F6 -,
F7 CALL?,CL~CL?
F8 ?,?
F9 RR,RR
F10 -,
F11 -,
F12 Wipe,{WIPE}{CLEARRIT}