## N1MM Setting Up for a VHF Contest W3SZ and K3TUF



# Pre-flight Checklist

- Create new contest database
- Download UDC if necessary
- Create the log
  - Select contest type
  - Edit station information
- Setup Super Check Partial master.mcp file
- Setup call history lookup file
- Set up per-band transverter offsets

- Set up Packet/Telnet
- (Set up N1MM DVK / .wav files)
- Open and position on screen all necessary windows
- Test all N1MM functions
- Enter test contacts
- Create/check Cabrillo file
- Delete test contacts

# Setting up for a Contest

- Start a new database for every contest
  - This will minimize your chances of catastrophic data loss
- Doing so is extremely simple, and there is no downside
- If your data becomes corrupted, restoring its integrity will be much simpler if each database file contains only one contest.

### Go to the Entry Window

Click File

Click New Database...

14	44200.00 BOTH+DIG Manual Radio 1 —	×
<u>F</u> ile	<u>E</u> dit <u>V</u> iew Tools <u>C</u> onfig Wi <u>n</u> dow Help	
	New Log in Database: 2018ARRL10GHz.s3db	
	Open Log in Database: 2018ARRL10GHz.s3db	
	New Database	
	<u>O</u> pen Database	
	Create a new database to store new contest logs	
	Copy This Contest to Another Database	
	Generate Cabrillo File	
	Import	
	Export	
	1 ARRL10GHZ (2018-08-25 00:00:00)	
	2 VHFREG1 (2018-08-24 22:00:00)	
	<u>3</u> DX (2018-08-25 00:00:00) in C:\Users\73w3s\Documents\N1MM Logger+\Databases\testtest.s3db	
	<u>4</u> DX (1900-01-01 00:00:00) in C:\Users\73w3s\Documents\N1MM Logger+\Databases\testtest.s3db	

Type your preferred **File name** for the contest database file in the text box

Click Save

- → ヾ Υ <mark> </mark> « ∪	sers > 73w3s > Documents > N1MM Logger-	+ > Databases	✓ <sup>™</sup> Searce	h Databases	م ر
Organize 🔻 New fold	er				- ?
A	Name	Date modified	Туре	Size	
A Quick access	2018ARRL10GHz.s3db	8/21/2018 2:18 PM	SQLite Database	61 KB	
Desktop 🖈	ধ N1MM Admin.s3db	8/21/2018 2:18 PM	SQLite Database	3,762 KB	
Downloads *	ধ N1MM Packet Spots.s3db	8/20/2018 2:34 PM	SQLite Database	129 KB	
🗄 Documents 🖈	۷ 2018ARRL10GHzBackup8-20-18.s3db	8/20/2018 11:33 AM	SQLite Database	58 KB	
📰 Pictures 🛛 🖈	⅔ testtest.s3db	8/20/2018 10:56 AM	SQLite Database	61 KB	
AM6155_54	۷ 8-19-18test.s3db	8/20/2018 10:18 AM	SQLite Database	60 KB	
Databases	₩	8/20/2018 10:18 AM	SQLite Database	61 KB	
N1MM_Talk	2018ARRLUHF_VHF.s3db	8/14/2018 10:31 AM	SQLite Database	70 KB	
UserDefinedCon	🍇 K3WGR_Test_2018_UHF_VHF.s3db	8/10/2018 10:00 AM	SQLite Database	94 KB	
oscibenneacon	🍇 K3WGR_Test_2018_ARRL222.s3db	8/10/2018 9:55 AM	SQLite Database	89 KB	
ineDrive 🔨	🗞 222AndUpRealDatabase.s3db	8/10/2018 9:55 AM	SQLite Database	79 KB	
File name: 2018	ARRLSeptember.s3db				
Save as type: SQLit	e (*.s3db)				

	M (	Conta	ct Mode (BOTH+D	IG) <> Conte	st mode (M	IXED) !				—		×
	File	Ed	lit View Tool	s Config	Window	Help						
2	сw	PH			Snt	Rcv	Name		Comment			
	60	60										
	40	40	- 0 R	un 💿 S&P								
1	30	30	•									
	20	20	F1 S&P CQ	F2 Exch	F3 Spare F4 W3SZ			F5 His Ca	all	F6 Spare		
	17 15	17	F7 Rpt Exch	F8 Agn?	F	9 Zone	F1	0 Spare	F11 Spar	e	F12 W	ipe
4	15	15 12	Esc: Stop	Wi	pe Lo	g It	Edit	Mark	Store	Spot	t C	ΩRZ
	10	10	No Heading									
	6m	6m	Call histo	ry Userl	Text ap	pears l	nere	when e	nabled.			
	20184	ARRLS	eptember.s3db cre	ated.				1	No Score			

The status bar at the bottom of the **Entry Window** will confirm that the database was successfully created.

## Download the UDC if Necessary

- Some contests are "Supported" contests
  - Setting up a log for these contests merely requires their selection from the LogType dropdown list
- Other contests are "User Defined Contests" or "UDC" contests.
  - These require downloading a UDC file for the contest and placing that file into the appropriate directory

## N1MM VHF and Up Contest Support

- Supported Contests:
  - ARRL January Sweepstakes
  - ARRL June VHF QSO Party
  - ARRL September VHF QSO Party
  - ARRL 10 GHz and Up Contest (new)
  - CQ World Wide VHF Contest
  - Various European VHF and Up Contests
- UDC Contests
  - ARRL 222 MHz and Up Distance Contest\*\*
  - ARRL EME Contest

## What about Non-Supported Contests? Options Include:

- Create your own UDC
- Use another contest with similar exchange and rules. Use text editor to modify the Cabrillo after the contest
- Use a "general" log like DX and use a text editor to modify the Cabrillo after the contest
- Request that the contest become one of the "Supported" contests in N1MM

## Download the UDC if Necessary

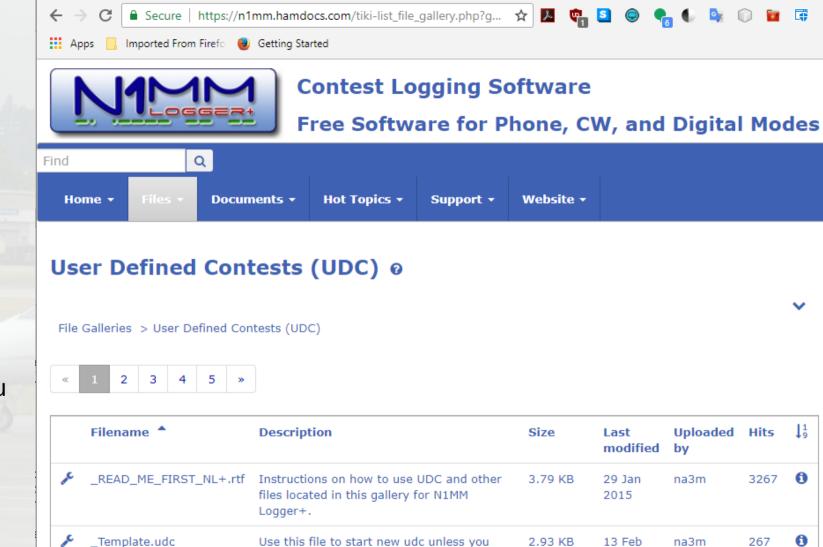
Go to the Main N1MM Webpage

Click on Files

On the dropdown menu, Click on User Defined Contests (UDC)

	Secure   https://n1mm.hamdocs.com	ı/tiki-index.php?page=My+Contest+Isn%27t+Here&structure=N1MM 🛧 🔼 🧌 😫
N		est Logging Software Software for Phone, CW, and Digital Modes
Find Home +	Q     Files •     Documents •	Topics - Support - Website -
* • • •	N1MMplus Full Install N1MMplus Latest Updates N1MMplus Update History	Deeper > Setup and Configuration > Supported Contests > My Contest Isn't Here
2.1.4.7	Experimental Versions	re. What Can I Do?
nte:	Sample Function Key Files	e program there are four options:
th	User Defined Contests (UDC)	to create a new contest template.
<ul> <li>Ind ar Cabrille claime</li> <li>Use a When</li> </ul>	Call History Files Additional Support Files Files (list all Galleries)  Documentation Downloads (pdf) Documentation Translations (pdf)	development and may undergo further change. See the <b>User Defined C</b> nge and similar rules. If the only difference is in the scoring, you can ru- change the contest name. You can either score the contest manually after sponsor calculate the multipliers and points X, etc. Run the contest and do the log creation after the contest using Net t, create the Cabrillo log and update the header. The contest sponsor will ny small, mostly local, contests

Find Doing so will bring up this page. Scroll down / scroll through the pages to find the contest whose UDC you want to download.



have better alternative. It has all udc

values) as of 2/13/2018

parameters (most of them are set to default

2018

After you have scrolled down to the UDC file that you want to download:

Left-Click on the file name:

ARRL-222.udc

Ар	ops 📙 Imported From Firefo 🌘	J Getting Started		2017			
¢	ARIRTTY.UDC	Italian internal contest.	1.39 KB	03 Apr 2013	na3m	526	6
¢	ARKTIKAPR.zip	Arktika Polar Radioman Contest files. Exchange is RST+AC# for members (559 AC4), RST+Serial Nr for non-members. Member Numbers are mults - once only.	2.75 KB	12 Sep 2017	G40GB	359	0
¢	ARR_RTTY.udc	CT1ARR (Portuguese) PSK63 contest. v1.0.4 CS2EPC added for 10 points.	1.21 KB	11 Jun 2017	G40GB	565	0
¢	ARRL_EME.udc	VHF/UHF only, signal report as exchange, dupes are not allowed on same band CW, SSB, FM and digital modes (select "ARRLEME" not "ARRLEMEVHF").	1.71 KB	15 Dec 2016	na3m	636	0
"E	ARRL-222.udc	New ARRL "222 MHz and Up Distance Contest" to kick off August 5-6, 2017. Revision 1.0.4 (contest name changed to ARRL-222)	1.41 KB	06 Aug 2018	na3m	14	0
₽¢C	AUTUMN_SPR.udc	Michurinsk Contest Group Autumn Sprint (R3R-OS) Exchange RS(T)+Serial Nr. Mults DXCC+Oblasts v1.0.2	2.37 KB	17 Oct 2017	G40GB	139	0

Save the file to your "...Documents/N1MM Logger+/UserDefined Contests" directory: N1MM will have previously created this directory. You DO NOT need to create it.

> • 🛧 📙	> This	PC > Documents > N1MM Logger+ >	UserDefinedContests	√ Ū	Search UserDefinedContes	sts 🔎
Organize 🔻 🛛 Ne	w folder				:== , :== ,	- ?
1.0.11	^	Name	Date modified	Туре	Size	
A Quick access		Originals	6/18/2018 11:06 AM	File folder		
	*	222UP_UHF_OLD_Hilltop.udc	8/8/2018 8:34 AM	UDC File	2 KB	
🕂 Downloads	*	222UP_UHF_UHFN.udc	8/8/2018 9:38 AM	UDC File	2 KB	
🔮 Documents	*	ARRL_EME.udc	11/20/2016 1:27 PM	UDC File	2 KB	
Pictures	*	ARRL_EME_0.udc	11/24/2016 10:05	UDC File	2 KB	
AM6155_54		ARRL_EME_1.udc	11/20/2016 6:31 PM	UDC File	2 KB	
Databases		ARRL10GHZ.udc	8/21/2018 2:19 PM	UDC File	2 KB	
	$\sim$	በ ARRL-222.udc	8/8/2018 7:04 PM	UDC File	2 KB	
File name:	ARRL-2	222.udc				· · ·
Save as type:	UDC Fil	e (.udc)				`

## Next, Create the Log

#### In the Entry Window:

Click File

### Click New Log in Database: 2018ARRLSeptember.s3db

🖞 C	ontact Mode (BOTH+DIG) <> Contest mode (MIXED) !	_		×
File	Edit View Tools Config Window Help			
	New Log in Database: 2018ARRLSeptember.s3db			
	Open Log in Database: 2018ARRLSeptember.s3db			
	Create a new instance of a contest in the current database (a collection of logs)			
	Open Database			
	Convert N1MM Database to N1MM+			
	Copy This Contest to Another Database			
	Generate Cabrillo File			
	Import			
	Export			
	1 DX (1900-01-01 00:00:00)			
	2 ARRL10GHZ (2018-08-25 00:00:00) in C:\Users\73w3s\Documents\N1MM Logger+\Dat	abases\2	018ARRL	10GHz.s

Click on the arrow for the **LogType** dropdown menu

2018ARRLSe	ptember.s3db
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#### New log for: General Logging

Log Type DX

Start Date 2018-08-25 00:00:00

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

#### Contest Associated Files

Category		Show	Setup	Show Rules	
Operator	SINGLE-0	P-ASSIS	STED	~	State for Log Type QSOPARTY
Band	ALL	~		Note - the program does not validate categories.	
Power	HIGH	~		Check the contest rules	
Mode	SSB+CW		$\sim$	for valid categories.	
Overlay	N/A			~	

 $\sim$ 

Sent Exchange	Omit RST. E.g. CQWW	/: 05 SS: A 56 E	MA
Operators	W3SZ		Update Ops from Log
Soapbox			^
			~
			OK Help Cancel

Scroll down to the contest type you want

2018ARRI September s3db

(remember, we chose "ARRL-222" when we downloaded the UDC file)

And Click that contest name

**ARRL-222**.

New lo	g for:	Genera	al Logg	ing								
Log Type	DX					~						
Start Date	ARCI ARIDX ARRL1 ARRL1 ARRL1 ARRL1 ARRL1 ARRL1 ARRL1	10GHZ 10M 160 222 0XCW				on a	above.					
Contest A	ssociate											
Op	egory berator Band Power Mode verlay	SINGLE-C ALL HIGH SSB+CW N/A	Show S DP-ASSIST	-	Note - th not valida Check the	Show Rule e program te catego e contest categories	n does ries. rules	ŝ	State f	or Log T	ÿpe QS(	DPARTY
Sent Exc	hange				Omit R	ST. E.g. CO	QWW: 05	SS: /	4 56 EI	AN		
Ope	rators	W3SZ								Upda	te Ops f	rom Log
So	apbox											~
									(	ок	Help	Cancel

Complete the form:

Set the **Start Date** and time.

Enter your grid (4 or 6 digit as appropriate) into the **Sent Exchange** textbox.

Enter the **Operators** 

Set the other drop-downs to the appropriate values.

If you may be making some digital contacts, make sure that Mode is set to SSB+CW+DIGITAL

When finished, Click **OK** (We will come back to **Associated Files** in a minute).

18ARRLSepter	mber.	s3db							
New log	for: /	ARRL-222							
Log Type 🖌	ARRL-	222 ~							
Start Date 2	2018-0	8-25 00:00:00							
	Use Up/Down cursor keys to see long description above.								
0.	se op	Down carsor keys to see long description above.							
Contest Asso	ociate	d Files							
Catego	ory	Show Setup Show Rules							
Opera	ator	SINGLE-OP State for Log Type QSOPARTY							
Ba	and	ALL Vote - the program does not validate categories.							
Pov	wer	HIGH V Check the contest rules							
Mo	ode	SSB+CW+DIGITAL V							
Over	rlay	N/A ~							
Stat	tion	FIXED							
Assis	L	ASSISTED VIEW Category N/A VIEW							
Transmi	tter	ONE V							
Sent Exchar	- 1	FN20AG Omit RST. E.g. CQWW: 05 SS: A 56 EMA							
Operat	ors	W3SZ Update Ops from Log							
Soapt	box								
	l								
		OK Help Cancel							

## Super Check Partial master.scp file

- Master.scp file is a list of known "good" callsigns
- When you start typing a call into the entry window, possible matches will appear in the **Check** window
  - Callsigns that differ from the one you have typed by one letter have difference highlighted in red
  - Callsigns that are longer than what you have typed have the additional characters highlighted in green
- Check window can also show matches from the Log, Telnet, and the Call History file

Check Log/Master/Telnet/Call history/Reverse lookup X									
Log Ø	Master 40035	Telnet Ø	Call hist 3576	•					
Reverse lookup 3576									

Check Log/Master/Telr	$\times$						
Log Ø	Master 40035			Telnet Call hist 0 3576			
			Proportio	Hide this pane Proportional width this pane			
		× × ×	Show Log Show Ma Show Telr	ster pane			
Reverse lookup 3576		<ul><li>✓</li><li>✓</li></ul>	Show Cal	I History pane rerse Look Up pane	1		
			Yank: con	avor end character figuration	differences		
			Yank: Allo Set Revers	ow dupes se Look Up Thresho	old		
			Help				

			MB AT AB AB	4C NB4C 4C AD4C 4C AB3C 4B AB4B 44D AB4G 44I AB4Z	c			AB4C <mark>R/R</mark>	
				47 47 2		Click one y want	you		
142	200.00 US	B Manua	al Radio	1					
File	Edit	View	Tools	Config Wind	dow Help				
File C <b>W</b>	Edit PH	View RTTY	Tools PSK	Config Wind	dow Help	Grid			
				Config Wind	dow Help	Grid			
cw	PH	RTTY	PSK	AB4C		?			
C <b>W</b> 6m	PH 6m	RTTY 6m	PSK 6m	AB4C	dow Help ) Run () S&	?			
C <b>W</b> 6m 2m	PH 6m 2m	RTTY 6m 2m	PSK 6m 2m	AB4C		?	F4 W3SZ	F5 His Call	F6 Spare
C <b>W</b> 6m 2m .25m	<b>PH</b> 6m 2m 1.25m	RTTY 6m 2m 1.25m	<b>PSK</b> 6m 2m 1.25m	AB4C C F1 S&P CQ	Run  Sł	P F3 Spare			
C <b>W</b> 6m 2m .25m 0cm	PH 6m 2m 1.25m 70cm	RTTY 6m 2m 1.25m 70cm	<b>PSK</b> 6m 2m 1.25m 70cm	AB4C • C F1 S&P CQ F7 Rpt Exch	Run  St F2 Exch F8 Agn?	P F3 Spare F9 Zone	F10 Spare	F11 Spare	F12 Wipe
CW 6m 2m .25m 0cm 3cm 3cm	PH 6m 2m 1.25m 70cm 33cm	RTTY 6m 2m 1.25m 70cm 33cm	PSK 6m 2m 1.25m 70cm 33cm	AB4C F1 S&P CQ F7 Rpt Exch Esc: Stop	Run  St F2 Exch F8 Agn? Wipe	P F3 Spare F9 Zone Log It	F10 Spare Edit Mark	F11 Spare Store Sp	F12 Wipe
C <b>W</b> 6m 2m .25m 0cm 3cm	PH 6m 2m 1.25m 70cm 33cm 23cm	RTTY 6m 2m 1.25m 70cm 33cm 23cm	PSK 6m 2m 1.25m 70cm 33cm 23cm 13cm 9cm	AB4C F1 S&P CQ F7 Rpt Exch Esc: Stop Regional	Run  State F2 Exch F8 Agn? Wipe Hdg 22	P F3 Spare F9 Zone Log It 25° LP 4	F10 Spare Edit Mark	F11 Spare Store Sp i 1043kr	F12 Wipe pot It QRZ
C <b>W</b> 6m 2m .25m 0cm 3cm 3cm 3cm	PH 6m 2m 1.25m 70cm 33cm 23cm 13cm	RTTY 6m 2m 1.25m 70cm 33cm 23cm 13cm	PSK 6m 2m 1.25m 70cm 33cm 23cm 13cm	AB4C F1 S&P CQ F7 Rpt Exch Esc: Stop Regional	Run  State F2 Exch F8 Agn? Wipe Hdg 22	P F3 Spare F9 Zone Log It 25° LP 4	F10 Spare Edit Mark	F11 Spare Store Sp i 1043kr	F12 Wipe pot It QRZ

## Download latest master.scp file:

Click Tools

Click Download and Install Latest Check Partial file (master.scp) (Internet)

N1MMLogger.net

×

OK

Check Partial File Download & Install Complete

New File saved in C:\Users\73w3s\Documents\N1MM Logger+\SupportFiles\master.scp.

14200.00 USB Manual Radio 1 - 🛛											×
File	Edit	View	Tools	Config	Window	Help				_	
cw	PH	RTTY	R	escore Curr	rent Contest					1	
6m	6m	6m		escore last l							
2m	2m	2m		ownload ar							
1.25m	1.25m	1.25m	_	oggle Tune	Ctrl+T can be used	by the C	heck windo				
70cm	70cm	70cm	~				ry file (wl_cty.da		can be asea	F6 S	
33cm	33cm	33cm	In		try list from			it) (internet)		F12 V	Vipe
23cm	23cm	23cm		dd call to c	-	aowinou	acarne			ot It	QRZ
13cm 9cm	13cm 9cm	13cm 9cm			con for this b	and (20r	m - 10m)				
6cm	6cm	6cm	U	pdate Call I	History with	Current L	.og				
3cm	3cm	3cm	С	lear Call Hi	story then U	pdate wit	h Current Log				
			Т	urn Rotor			Alt+J				0;
			St	top Rotor			Ctrl+Alt+J				
			Re	ebroadcast	all Contest (	QSO's to (	other Apps				
				elnet Windo							
				-		ing (Diag	nostics folder)		•		
				ave Windov							
				estore Wind							
				heck for Ne							
Radio Command Logging (Developer Debugging)											

# Call History Lookup File

- Call History File supplies not only calls for the Check window, but also potentially contains Name, Section, State, Grid, and other information
- If used, it will automatically populate the Grid field when a call is entered into the Entry window followed by a tap on the space bar.

## Call History Lookup File

🔯 Crimson Editor - [C:\Users\73w3s\Documents\N1MM Logger+\CallHistoryFiles\VHF-History.txt] File Edit Search View Document Project Tools Macros Window Help 🗅 😂 🐁 🗃 🔚 🕼 🛃 💽 👗 ங 🎕 🗠 오니 💷 🚧 🎎 🐇 🐪 🖳 🖏 🔊 🕨 VHF-History.txt !!Order!!,Call,UserText,Locl 4U1WB,Club [AB],FM181v AA1A, Dave [A], FN42pc AA1AR,Mike [ABD],FN32jk AA1ES, Stormy [ABD], FN43bd AA1HO,Art [ABD],FN42hp AA1I, John [ABCDE], FN32pb AA11/R, John [ABCDE], AA10,Bill [AB],FN42hm AA1PR,Mike [ABD],FN33kt AAlQD,Dale [A],FN43kk AA1RB, John [A], FM18jv AA1SU, Paul [A], FN34kl AA1TH,Bill [B],FN42gi AA1TT,Billy [A],FN33uj AA1UI, Doug [AB], FN42hv AA1V, Don [A], FN42oe AA1VL, Chris [AB], FN42go

# Call History Lookup File

M

CV 6r

2m 1.25

70c 33c

23c

13c 9ci

6c

- Can create using any text editor
- Can create from current log
- Can keep adding to Call History File by sequentially entering contest logs as you create them

142	00.00 U	SB Man	ual Radio	1				_		$\times$		
e	Edit	View	Tools	Config	Window	Help			_			
		DTTV	Re	escore Curr	ent Contest							
<u></u>	PH	RTTY 6m	Re	escore last	N Hours							
	6m 2m	om 2m	D	Download and Install Latest Check Partial file (master.scp) (Internet)								
_	2m 1.25m	2m 1.25m	То	oggle Tune	(CW mode)			Ctrl+T				
m m	70cm	70cm	D	ownload la	test N1MM	Logger pdf	manual (Internet)					
m	33cm	33cm	D	ownload ar	nd install late	est country	file (wl_cty.dat) (Intern	et)	F6 Sp	are		
m	23cm	23cm	In	nport coun	try list from	downloade	ed file		F12 V	Vipe		
m	13cm	13cm	A	dd call to c	ountry				pt It 🔍	QRZ		
n	9cm	9cm	Т	une to bead	con for this l	and (20m	- 10m)		i			
n	6cm	6cm	U	pdate Call I	History with	Current Lo	g					
n	3cm	3cm	CI	ear Call His	story then U	pdate with	Current Log					
-	required		Т	urn Rotor			Put all the calls in you	ir current log in	to the Ad	min data		
		-	St	op Rotor			Ctrl+Alt+J		-			
			Re	ebroadcast	all Contest (	QSO's to ot	ther Apps					
			Te	Inet Windo	ow Tools							
			Pr	ogram Exe	cution Logg	ing (Diagn	ostics folder)	+				
			Sa	ve Windov	v Positions							
			Re	Restore Window Positions								
			C	heck for Ne	ew Program	Version and	d Install					
			-									

Radio Command Logging (Developer Debugging)

Once **Call History File** has been created or updated, need to associate it with the contest:

On **Entry Window**, Click File

Then Click Open Log in Database: 2018ARRLSeptember.s 3db

14	4200.00 L	JSB Man	ual Radio	1						-		×	
File	Edit	View	Tools	Config	Window	Help							
	New Lo	g in Data	abase: 20	18ARRLSep	tember.s3d	b							
	Open L	og in Dat	tabase: 20	)18ARRLSe	ptember.s3	db							
	New Da	tabase											
	( Open	an existi	ng log in	the curren	it database (	a collec	tion of logs	)					
	Convert	N1MM	Database	to N1MM	+								
	Copy TI	his Cont	est to An	other Datal	base								
	Generat	e Cabrill	o File										
	Import												•
	Export												•
	1 ARRL-	222 (201	8-08-25 (	00:00:00)									
	2 DX (19	900-01-0	1 00:00:00	))									
	3 ARRL1	10GHZ (2	2018-08-2	5 00:00:00)	in C:\Users	\73w3s\	Documents	N1MM Lo	gger+\Dat	abases\20	18ARRL1	0GHz.s3	db
	4 VHFR	EG1 (201	8-08-24 2	2:00:00) in	C:\Users\73	w3s\Do	ocuments\N	1MM Logg	er+\Databa	ases\2018/	ARRL10G	Hz.s3db	
	5 DX (20	)18-08-2	5 00:00:00	)) in C:\Use	ers\73w3s\D	ocumer	nts\N1MM L	.ogger+\Da	tabases\te	sttest.s3dl	b		
	6 DX (19	900-01-0	1 00:00:00	)) in C:\Use	ers\73w3s\D	ocumer	nts\N1MM L	.ogger+\Da	tabases\te	sttest.s3dl	b		
	7 222UP	_UHF (2	018-08-2	5 00:00:00)	in C:\Users\	73w3s\	Documents\	N1MM Log	gger+\Data	abases\201	18ARRL1	0GHz.s3	db
	8 DX (19	900-01-0	1 00:00:00	)) in C:\Use	ers\73w3s\D	ocumer	nts\N1MM L	.ogger+\Da	tabases\20	018ARRL10	)GHz.s3d	lb	
	9 ARRL	/HFSEP (	2018-08-	18 18:00:00	) in C:\User	s\73w3s	\Document	s\N1MM Lo	ogger+\Da	tabases\H	IF_Aug_2	018.s3dl	b
	Exit	Al	t+F4										

### This will bring up the **Contest Setup Window**

20

Click on Associated Files

Then on the row marked **Call History Filename** and click **Change.** 

(You don't need to do this if you set up the **Call History File** location for a previous contest, unless you want to select a different **Call History File**).

8ARRLSeptemb	ber.s3db						
Select Existing	Log						
Contest	Start Date		Contest Description				
ARRL-222 2	2018-08-25	00:00:00	ARRL-222				
DX	1900-01-01	00:00:00	General Logging				
DELETEDQS	1900-01-01	00:00:00	Deleted Qs				
A	inted Films						
Contest Associ	iated Files						
			Sample Function Keys				
CW Function H	(ev	CW/ Defeu	It Messages.mc				
Filename	,	CW Delau	it messages.mc		Change		
SSB Function Filename	Key	SSB Defa	fault Messages.mc Change				
Therrame							
Digital Functio		Digi Defau	It Messages.mc		Change		
Key Filename					Change		
Master.scp Filename		master.sc	p		Change	Default	
Call History					Change	Clear	
Filename					onungo	olour	
Goal Filename							
Guarriename					Change	Clear	
					ОК	Help	Cancel

Select the desired **Call History File** and Click **Open**.

You will be returned to the **Contest Setup** Window.

Click OK.

🚮 Select Filename					×					
$\leftarrow \rightarrow ~ \land ~ \uparrow$ — « Users	> 73w3s > Documents > N1MM Logger+ =	CallHistoryFiles	√ Ū	Search CallHistoryFiles	Q					
Organize 🔻 New folder										
This PC	Name	Date modified	Туре	Size						
🗊 3D Objects 💈	🔯 VHF-History.txt	1/19/2018 8:04 AM	TXT File	85 KB						
E Desktop										
Documents										
🕂 Downloads										
👌 Music										
E Pictures										
📑 Videos										
🏪 Local Disk (C:)										
Local Disk (D:)										
🚛 DataVol (E:)										
🕳 System Reserved 🗸										
File name:	VHF-History.txt		~	Call History Files (*.txt)	~					
				Open C	ancel					

### Don't forget to ENABLE Call History Lookup!

144

### On Entry Window, Click Config

Then Click **Enable Call History Lookup** 

144200.00 USB Manual Radio 1 -										×
File	Edit	View	Tools	Config	Window	Help				
<b>C1</b> 11		DTTV	DCK	C	onfigure Ports,	Mode Control, Audio,	Other			
CW 6m	PH 6m	RTTY 6m	PSK 6m	C	hange Your Sta	ation Data				
2m	(2m)	2m	2m	L	ogger+ Audio S	Setup				
1.25m	1.25m	1.25m		✓ U	se Logger+ Au	dio				
70cm	70cm	70cm	70cm		nter Sends Mes	sage (ESM mode)		Ctrl+M		
33cm	33cm	33cm	33cm	S	oot All S&P QS	O's			6 Sp	
23cm	23cm	23cm	23cm	✓ q	SYing Wipes th	ne Call & Spots QSO in E	Bandmap (S&P)		12 W	· .
13cm	13cm	13cm	13cm	G	rab Focus From	n Other Apps When Rad	io is Tuned			QRZ
9cm	9cm	9cm	9cm	D	o Not Automat	tically Switch to Run on	CQ Frequency			
6cm	6cm	6cm	6cm	✓ SI	now Non-Work	kable Spots and Dupes in	n Bandmap		ple	d.
3cm	3cm	3cm	3cm	R	eset RX Freq to	TX when QSO is Logge	d (Run & Split)			
144				S	ub Receiver Alw	vays On	Ctrl+	-Alt+D		0;
				C	Q Repeat			Alt+R		
					et CQ Repeat Ti			Ctrl+R		
				_		end Threshold			_	
					nable Call Histo					
						3/Digital Function Key D			•	
						enabled, Call History L	ookup can be us	ed to pre-fi	ill the ex	(change (
					-	Colors and Fonts				
				C	hange Operato	or Callsign Stored in Log		Ctrl+0		
						ge Abbreviations			•	
					D2R				•	
					AE				•	
					ear *.ini File Se	-				
				S	02V Dual Receiv	ive			F	

## Setup Transverter Offsets

- This needs to be done on a per-band basis, using the bandmap
- Right-click on the bandmap and Click Set transceiver offset frequency

(See next slide)

move Selected Spot

Manual Radio 1

44196-

144197-

44198-

144199-

144200

44201

44202

44203 -

44204

44205

44206

144200.00 SH/DX Wide CQ

Zoom In (Numeric Pad +) Zoom Out (Numeric Pad -)

Go to Bottom Of Band

Go to Top of Band

Remove Spectrum Scope Spots, This Band Remove Spots, This Band Only, Leave Self Spots Remove Spots, This Band Only

Remove Spots, ALL Bands, Leave Self Spots

Remove Spots, ALL BANDS

Turn Rotor

Show QRZ Show Station

Set Transceiver Offset Frequency

Reset Set Transceiver Timeout Time

 Set Transceive(Set up the offsets for transverters.)

 Find a Callsign (use Alt-F8 to Return)

 Bring to Foreground When Made Active

 Reset Radios

 Show Network Station Names

 Telnet Bands/Modes

 Telnet Filters

 Set Spot Timeout

 Show Vent History

Help

Remove Selected Spot Blacklist callsign Blacklist spotter Zoom In (Numeric Pad +) Zoom Out (Numeric Pad -) Go to Bottom Of Band Go to Top of Band Remove Spectrum Scope Spots, This Band Remove Spots, This Band Only, Leave Self Spots Remove Spots, This Band Only Remove Spots, ALL Bands, Leave Self Spots Remove Spots, ALL BANDS Turn Rotor Show Last 10 Spots Show ORZ Show Station Show Sunrise/Sunset Set Transceiver Offset Frequency Reset Set Transceiver Timeout Time Set Transceiver Set up the offsets for transverters. Find a Callsign (use Alt+F8 to Return) Bring to Foreground When Made Active Reset Radios Show Network Station Names ~ Telnet Bands/Modes **Telnet Filters** Set Spot Timeout Show Telnet History

Show My Call Spot History

Help

144202-

144203-

144204-

144205-

144206

🖳 Change Transceiver Offset Frequencies								
		Freq (KHz) (Radio requency, example: 28000)						
*								
To delete a row, click on the leftmost column and press the delete key. Ok Can (The * row is not a real row.)								

Fill in your transverter RF frequencies and IF frequencies and click **OK**.

NO NEED for you to calculate your LO frequencies!

You can also add a correction in 10s of Hz, e.g. 144000,12 for a correction of 120 Hz

#### 🖶 Change Transceiver Offset Frequencies

	Band (KHz) (Transverter RF Frequency, example: 1296000)	IF Freq (KHz) (Radio Frequency, example: 28000)	
	50000	28000	
	144000	28000	
	222000	28000	
	432000	28000	
	903000	28000	
	1296000	28000	
	2304000	28000	
	3456000	28000	
	5760000	28000	
	10368000	28000	
1	24192000	28000	
*			
	ete a row, click on the leftmost column and p row is not a real row.)	oress the delete key. Ok Can	icel

 $\times$ 

## Setting up Packet / Telnet for N1MM

142	200.00 U	SB Man	ual Radio	o 1					-	_		$\times$	
File	Edit	View	Tools	Config	Window	Help	)						
~		DTT		escore Curr	ent Contest	:					1		
CW	PH	RTTY	Re	escore last	N Hours								
6m	6m	6m	D	owoload au									
2m	2m	2m					eck Partial file (m	laster.scp/ (in					
1.25m	1.25m	1.25m	Тс	oggle Tune	(CW mode	)			Ctrl+T				
70cm	70cm	70cm	D	ownload la	test N1MM	Logge	r pdf manual (Int	ernet)			F6 Sp	are	1
			D	ownload ar	nd install lat	est cou	untry file (wl_cty.o	dat) (Internet)				_	
33cm	33cm	33cm			try list from						F12 W	/ipe	
23cm	23cm	23cm				uown	ioaueu nie				otit C	RZ	
13cm	13cm	13cm	A	dd call to c	ountry								
9cm	9cm	9cm	Tu	une to bead	on for this	band	(20m - 10m)						
6cm	6cm	6cm	U	pdate Call I	History with	Curre	nt Log				nable	ed.	
3cm	3cm	3cm	C	lear Call Hi	story then U	lpdate	with Current Log						
• сом	116 time	out. Co	Tu	urn Rotor			Alt+J					0	
			St	op Rotor			Ctrl+Alt+J						
			Re	ebroadcast	all Contest	QSO's	to other Apps						
			Te	elnet Windo	ow Tools								
			Pr	ogram Exe	cution Logo	jing (D	iagnostics folder)	)		•			
	F		Sa	we Wi Ope	ens the Filter	rs tab o	of the Telnet wind	low.					
			Re	Restore Window Positions									
			C	Check for New Program Version and Install									
	Radio Command Logging (Developer Debugging)						ng)						

### Telnet Setup:

Click on the **Clusters** tab

Use the Selected Cluster dropdown arrow / menu to select a cluster that you know has VHF and Up coverage

Check Automatically Logon

If its a **DXSpider Cluster**, check that box

	Telnet			_	$\times$
Т	ype:	Reconnect	t		▲ ▼
ł	3WW FRC Clusters Bands/Modes Filters Spot Comment	BandPlans			
	Selected Cluster K3WW FRC  V Automatically Logon	Edit List Logon with W3SZ			
	Format for DXSpider Cluster      Connect to K3WW FRC	Show Telnet Buttons Cluster Keep Alive Interval (minutes)			

Check Show Telnet Buttons

Enter your login name for the cluster you selected in the **Login with** text box

## Click the **Bands/Modes** tab

Check the boxes for the bands and modes for which you want to receive spots

M T	elnet							$\times$
Туре	:					Reconnect	]	▲ ▼
K3WV	V FRC Clu	sters Ban	ds/Modes F	ilters Spot Com	ment BandPlans			
HF	VHF	UHF	Mw	All Modes				
1. 3.		430 903	9cm 6cm	CW Phone	Checking none of the mode boxes will allow all modes to be passed			
Ø 5 Ø 7	144 222	1296 2304	3cm 1cm	✓ RTTY ✓ PSK		I		
<ul><li>✓ 10</li><li>✓ 14</li></ul>			6.4mm	Contest				
<ul> <li>✓ 18</li> <li>✓ 21</li> </ul>			2mm 1.2mm					
<ul> <li>✓ 24</li> <li>✓ 28</li> </ul>			Light					
	_							
	Reset Band/Mode Defaults							

Check the checkboxes for both:

Show nonworkable spots

and

QSYing wipes call and puts it in the bandmap

If desired, also filter by region / prefix

You can ignore the **Spot Comment** and **BandPlans** tabs

Telnet			_		$\times$					
Type:	Reconnect				<b></b>					
K3WW FRC Clusters Bands/Modes Filters Spot Comment BandPlans										
Bandmap DX spot timeout (min) 60       ✓ Save Spots       Update         ✓ Show non-workable spots       ✓ QSYing wipes call and puts it in the bandmap       ✓ Tip: Filter as many spots as you can at the cluster. It lowers the cluster. It lowers the cluster. It lowers the cluster it lowers the cluster it lowers the cluster. It lowers the cluster										

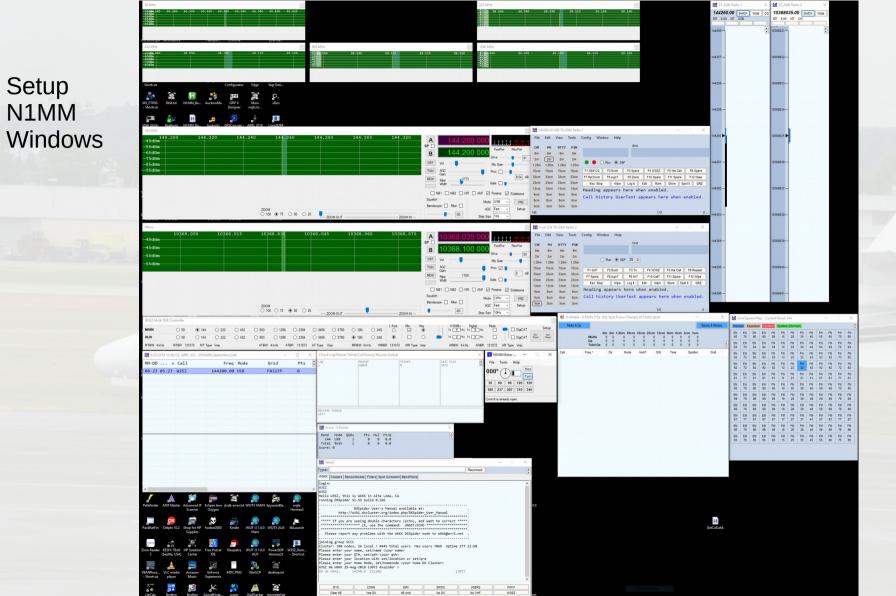
Click on the **first tab**, which will be labeled with the callsign of the DXCluster that you selected (here **W6KK**).

Check to make sure you are logged on successfully and that there are no errors.

Most DX Clusters use port 7300, and you may have to open your firewall, router, and modem for that port.

🔛 Telnet							_		$\times$
Type:						Reconnect			<b>A</b>
W6KK Clusters	Bands/Mod	es Filters	Spot Comm	ent BandPlans					
Connecting to: W6KK.ZAPTO.ORG:7300/> 97.93.142.74:7300 login: W3SZ W3SZ Hello W3SZ, this is W6KK in Alta Loma, CA running DXSpider V1.55 build 0.166 									
BYE		CONN		DVN	SH/DX	USERS		wwv	
Clear NE		Yes DX		NE only	No DX	No VHF		W3SZ	_

More info here: http://n1mm.hamdocs.com/tiki-index.php?page=Telnet+Window



#### Setup N1MM Windows

		🍙 📄 🦞 4 🧏 4 🐂 🐇			🔛 TS-2000 Radio 1 🛛 🗙	M TS-2000 Radio 2
		iTunes Spotify WsjtDXAgg., ARRL2014 GNURadio ARRL2018 ON4UN's Thumbs.db			144260.00 SH/DX Wide C	10368035.00 SHOX Wide
					R/T 0.00 X/T USB	
		6.0 JIAJetX Handbook			144257—	1036032
		Wighat - Ritudio Neva AS, TS, Data GPIB Microsoft ONHLIN's Shortcut			144258	1038033
		🔐 🎕 🗐 🎎 💷 🏩 C WS-FIP95. Billiot: NIMM Sa., AuctionMa GPF II Main vDos				
					144259—	1036034
		Shortcut Handbook DirectX.ex			144280	10368035
				~ ~ ~ ~		
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				Sem Sen Sen Sen Sen		
					144263-	1036038-
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Test All N1MM Functions	Image         Image <th< th=""><th></th><th></th><th>141260.00         savcx         w           RT         sco         xz         uss           144257</th><th>× M 15-000 fadie 2 × 1608003 00 sc/ we i 1008003 00 sc/ we i 10080000000000000000000000000000000000</th><th></th></th<>			141260.00         savcx         w           RT         sco         xz         uss           144257	× M 15-000 fadie 2 × 1608003 00 sc/ we i 1008003 00 sc/ we i 10080000000000000000000000000000000000	
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	50	0125.00 CW Manual - VFO A Op: W3SZ 🗕 🗖 🗙
	File	Edit View Tools Config Window Help
		New Log in Database: Jan2018.s3db
		Open Log in Database: Jan2018.s3db
		New Database
		Open Database
		Convert N1MM Database to N1MM+
		Copy This Contest to Another Database
		Generate Cabrillo File
		Import
		Ex Create a Cabrillo file for submission to contest sponsor for scoring and awards
		1 ARRLVHFJAN (2017-12-23 18:00:00)
		2 DX (1900-01-01 00:00:00)
		3 ARRLVHFJAN (2016-02-13 19:00:00) in C:\Users\PSDR\Documents\N1MM Logger+\Databases\Hilltop_Jan2016.s3db
		4 ARRLVHFJAN (2017-06-10 19:00:00) in C:\Users\PSDR\Documents\N1MM Logger+\Databases\Hilltop_Jan2016.s3db
l		5 ARRLVHFJAN (2015-08-15 18:00:00) in C:\Users\PSDR\Documents\N1MM Logger+\Databases\Hilltop_Jan2016.s3db
4		6 ARRLVHFJAN (2016-12-03 18:00:00) in C:\Users\PSDR\Documents\N1MM Logger+\Databases\k2txb.s3db
1		7 DX (1900-01-01 00:00:00) in C:\Users\PSDR\Documents\N1MM Logger+\Databases\k2txb.s3db
		8 ARRLVHFJAN (2016-01-30 19:00:00) in C:\Users\PSDR\Documents\N1MM Logger+\Databases\Hilltop_Jan2016.s3db
0		9 ARRLVHFJAN (2014-08-23 18:00:00) in C:\Users\PSDR\Documents\N1MM Logger+\Databases\ham.s3db
		Exit Alt+F4

Click on "File" and then on "Generate Cabrillo File"

×

#### Check your sent exchange!

i Yo EX

Your Cabrillo log will be generated using the following SENT EXCHANGE:

FN20AG

RST will be added if needed for this contest. Place a 001 in the correct position if serial number is required for this contest (EXCEPT ARRL SS!). If the sent exchange is not correct, use File, Open Log in Database and correct it! Click "OK"

х

OK

#### Check your catgeory !

Your category is SINGLE-OP ASSISTED ONE Transmitter ALL Band MIXED+DIG Mode HIGH Power FIXED Station

Are you sure this a valid category for this contest and this is the category you intended to enter ?

Yes

Click "Yes" if the parameters are correct

х

No

Cabrillo Export				x	1 have a state and a state
$\leftarrow \rightarrow \checkmark \uparrow$ 🔒 « Doc	uments > N1MM Logger+ > ExportFiles	~ Ū	Search ExportFiles	م	
Organize 🔻 New folder				::: • ?	
This PC 🔨	Name	Date mod	dified Type	Size	AND DESCRIPTION OF THE OWNER OF T
<ul> <li>⇒ 3D Objects</li> <li>⇒ Desktop</li> <li>⇒ Documents</li> <li>⇒ Downloads</li> <li>→ Music</li> <li>⇒ Pictures</li> <li>≅ Videos</li> <li>↓ Local Disk (C:)</li> <li>≅ DVD RW Drive</li> </ul>	No items ma	itch your sea	ırch.		Change the Cabrillo file name if desired
	< III			>	
File name: W3SZ.	log			¥	
Save as type: Cabrill	o Files (*.log)			~	
<ul> <li>Hide Folders</li> </ul>			Save	Cancel	

#### Cabrillo Export

Export is complete.

You can edit your Cabrillo output file before sending. The most frequent problem is that the SENT EXCHANGE was not set properly in the contest.

You can email your Cabrillo file to logs@supercheckpartial.com. Note, that you must have installed and configured an email program on this computer.

x

Edit Email Cancel

#### Click "Edit"

START-OF-LOG: 3.0 LOCATION: EPA CALLSIGN: W3SZ CLUB: Mt Airy VHF Radio Club CONTEST: ARRL-10-GHZ CATEGORY-OPERATOR: SINGLE-OP CATEGORY-ASSISTED: ASSISTED CATEGORY-BAND: ALL CATEGORY-MODE: MIXED CATEGORY-POWER: HIGH CATEGORY-STATION: FIXED CATEGORY-TRANSMITTER: ONE CLAIMED-SCORE: 620 OPERATORS: W3SZ NAME: Roger Rehr ADDRESS: 2 Merrymount Road ADDRESS-CITY: Reading ADDRESS-STATE-PROVINCE: PA ADDRESS-POSTALCODE: 19609 ADDRESS-COUNTRY: USA CREATED-BY: N1MM Logger+ 1.0.7245.0 OSO: 10G CW 2018-08-18 1148 W3SZ OSO: 10G CW 2018-08-18 2004 W3SZ QSO: 10G CW 2018-08-18 2025 W3SZ QSO: 10G CW 2018-08-19 1059 W3SZ OSO: 10G CW 2018-08-19 1119 W3SZ OSO: 10G CW 2018-08-19 1425 W3SZ END-OF-LOG:

FN20AG	K3TUF	FN10WE
FN20AG	K3WHC	FN21HB
FN20AG	AB4CR	FN21HB
FN20AG	W2RMA	FM19AW
FN20AG	N3RG	FM29KI
FN20AG	WA3GFZ	FN21HB

#### Delete Test Contacts

In the Log Window, Right-Click the contact that you want to delete Click Delete Contact Click Yes	08-23 05:2
Confirm Contact Delete	×
Are you sure you want to move to DELETEDQS this contact with W2SZ at 2018-08-23 05:23:50?	
Yes No	

№ 8/25/2018 13:31:16Z ARRL-222 - 2018ARRLSeptember.s3db         -         □         ×							
MM-DD 🔺	Call	Freq	Mode	Grid	Pts	-	
08-23 05:23	W2SZ	144200.00 Edit Contact	USB	FN32JP	0		
		Delete Contact					
		Play Contact Jump to this free	quency				
		www.qrz.com Change Timesta Change Operato Change Mode		ntire log by a fixed amount			
		Add/Change No	te				
		Change Rx and T	Tx Frequency				
08-23 05:23	W2SZ	Change Station Show rates to th		o Window			
		Set Start Interpol Set Stop Interpol Rescore from the	lation Time 8				
×		Auto-Set Colum Delete custom c Show Mode		5			
		Select All			_	>	
		Сору			•		
		Help					

# **Questions?**