N1MM Logger Use for CMARA Field Day

By Terry G. Glagowski / W1TR updated 2013-06-21 18:42

- N1MM Overview
- Software Installation
- Hardware / Software Setup
- Database Setup
- Contest Log Setup
- •Band Setup
- QSO logging
- Log Consolidation and Submittal
- •User Support
- •Summary
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N1MM Overview

- Totally FREE ! (no license fee)
- Runs on Windows 2000, XP, Vista, Win7 (32 or 64 bit) (no Win95 or Win98)
- Does NOT run on other operating systems (MAC, Linux)
- Nearly ALL Versions are compatible with one another (same file format)
- Supports almost EVERY contest
- Used by nearly ALL big-time contesters (and small timers)
- Actively Supported, User Groups
- Stand-Alone operation (no connection to radio required)
- Automatic Computer-Aided-Transceiver (CAT) control available
- CW Keyer with PTT (keyboard window CTRL-K)
- Voice Keyer with PTT (prerecorded phonetics & messages)
- Interface to MMTTY, MMVARI, FLDIGI, and other software
- Export to ADIF and Cabrillo Format, Import from ADIF

Software Installation

- N1MM Web http://n1mm.hamdocs.com/tiki-index.php
- Select "Files"
- Download and Install "N1MM Full Install" Install by clicking on the self-installing .exe file (install if using currently using N1MM Version before 11.x.x)
- Download and Install "Latest Update" use version 13.06.00 or later Install by clicking on the self-installing .exe file
- The N1MM Full Install and Latest Update are on thumb drive
- Use the default directories for everything (unless...)
- You may need to install as ADMIN on Vista or Win7
 Vista and Win7 typically use C:\N1MM Logger\ (only ADMIN can access C:\Program Files\Win2K and WinXP use C:\Program Files\N1MM Logger\ Newer N1MM version ALWAYS uses C:\N1MM Logger\
- **Read the manual!** There is plenty of documentation:
- N1MM Logger Manual.pdf
- N1MM Quick Start Guide.pdf
- N1MM User Guide.pdf
- N1MM References (crib sheets)
- Help Files (some are on the Internet, you need a connection)

Hardware / Software Setup (1)

• Set the Computer Local Time / Zone (Eastern Daylight Time)

The N1MM Logger knows how to do UTC / GMT / Zulu time in the log Listen to WWV on 2.5, 5.0, 10.0, 15.0, 20.0 MHz or CHU on 3.330, 7.850, 14.670 MHz Extremely Important to DO !!!, Otherwise Log Data Will Be Garbage, NO WAY to FIX!

- Config / Configure Ports, Telenet Address, Other Select NONE for all ports if no CAT control or CW/PTT control Use of CAT control, CW keying, Digital Voice Keyer is discussed in Extra Topics (CAT Control NOT NECESSARY)
- Config / Change Your Station Data See following slides for information to enter here NOTE: This information CAN be corrected by Log Master during Log Consolidation and Submittal but please try to get it right in the beginning
- Screenshots Follow Showing How to Do It!

Hardware / Software Setup (2) Set Computer Clock

- Click on Desktop Clock (lower right of desktop)
- Set the Date (local time)
- Set the Time (local time)
- Set the Time Zone (eastern daylight time)
- Internet Time Will Not Work (no internet)

Hardware / Software Setup (3) Set Computer Clock

Date and Time Properties	Date and Time
Date & Time Time Zone Internet Time	Date and Time Additional Clocks Internet Time
Date Image: Constraint of the second sec	Date: Wednesday, June 19, 2013 Time: 22:47:39 Time zone (UTC-05:00) Eastern Time (US & Canada) Change time zone Daylight Saving Time ends on Sunday, November 03, 2013 at 02:00 AM. The clock is set to go back 1 hour at that time. Motify me when the clock changes Get more time zone information online
OK Cancel Apply	OK Cancel Apply

WinXP

Win7

N1MM Main Window

When you start N1MM, the Main Window opens.

Close ALL other N1MM windows (for now).

Select the File Menu Item to create a new database and new log.

M 3650.00 C	W TS-2000 VFO A			
File Edit	View Tools Co	nfig Window H	lelp	
		Snt Rov Na	ame Commer	ıt
J				
SPO Wipe	Log It Edit M	ark Store Spot It	<u>B</u> uck	
Esc: Stop	F1 CQ S&P	F2 Exch	F3 TU	F4 myCALL
🔲 Running	F5 Call	F6 3xExch	F7 ?	F8 Agn
20 ÷	F9	F10	F11 QTH?	F12 FN31
Bearing inform	ation appears here.			
Import Comple	te		0/0	0 //

New Database

Select: New Database

M 3	650.00 CW TS-2000 VFO A										
File	Edit View Tools Config Window Help										
	New Log in Database: C:\Apps\N1MM Logger\2013 ARRL FD W1BIM 80m Phone CW.MDB										
	Open Log in Database: C:\Apps\N1MM Logger\2013 ARRL FD W1BIM 80m Phone CW.MDB										
	New Database										
	Open Database										
	Copy (and Compact) Database										
	Copy This Contest to Another Database										
	Repairing a corrupted database (Internet)										
	Generate Cabrillo File										
	Import •										
	Export										
	1 ARRLVHFJUN (2013-06-08)										
	2 QSOPARTY (2013-05-04) (NEWE) in C:\AmateurRadio\Logs\Contests\2013 NEQP W1TR.MDB										
	3 DX (1900-01-01) in C:\AmateurRadio\Logs\Contests\2013 ARRL VHF Jan W1TR.mdb										
	4 ARRLVHFJAN (2013-01-19) in C:\AmateurRadio\Logs\Contests\2013 ARRL VHF Jan W1TR.mdb										
	5 SSCW (2012-11-03) in C:\AmateurRadio\Logs\Contests\2012 ARRL SS CW W1TR.MDB										
	6 ARRLVHFSEP (2012-09-08) in C:\AmateurRadio\Logs\Contests\2012 ARRL VHF Sep W1TR.mdb										
1	7 ARRLUHFAUG (2012-08-04) in C:\AmateurRadio\Logs\Contests\2012 ARRL UHF W1TR.mdb										
	8 DELETEDQS (1900-01-01) in C:\AmateurRadio\Logs\Contests\2012 ARRL VHF Jun W1TR.mdb										
	9 FD (2012-06-26) in C:\AmateurRadio\CMARA\Field Day\2012 Field Day Logs\2012 ARRL FD W1BIM.MDB										
	Fvit Δlt+F4										

Setup New Database Filename

1) Name the database approximately as shown.

- 2) Change the band(s) and mode(s) accordingly.
- 3) Remember the Name of the Database (*.MDB) and Folder.
- 4) You will need to copy the *.MDB file to the thumb drive after Field Day

Create New Database										
Cor	mputer 🕨 OS (C:) 🕨 Apps	► N1MM Logger ►			- 4 € S	Search N1MM Logger				
Organize 🔻 Nev	v folder							0		
🖳 Recent Places		* Nam	e	Date modified	Туре	Size				
🕞 Libraries		- 🔒 D	ocumentation GrayLine	2012-01-31 09:46 2011-12-03 04:46	File folder File folder					
 Documents Music Disturce 		≡ <mark>)</mark> U)} v	JserDefinedContests vav	2011-12-03 04:47 2011-12-03 04:46	File folder File folder					
Videos		🛃 h	am.mdb I1MM logger	2011-12-18 02:15 2011-12-03 04:46	Microsoft Access Internet Shortcut	5,480 KB 1 KB				
🤣 Homegroup										
P Computer										
👝 Hanscom Back	kup Disk (I:)	-								
File <u>n</u> ame:	hone & CW	.MDB					-			
Save as <u>t</u> ype:	Access databases (*.mdb)							•		
Hide Folders						<u>S</u> ave	Cance			

Remember Where Log Database Is

- Remember the Log Database File Name (*.MDB) (Write it Down for the Team on Your Band)
- Remember the Log Database Folder Name (Write it Down for the Team on Your Band)
- You Will Need to Copy the Log Database (*.MDB) To the Thumb Drive at End of Field Day

Setup New Log in Database

Select: New Log in Database

1	1 36	650.00 CW TS-2	2000 VFC	AC					x				
	File	Edit View	Tools	Config	Window	Help				Ic Multi	pliers -	County/	(Other
		New Log in Da	atabase:	C:\Apps\	N1MM Log	ger\2013 AF	RRL FD W1	BIM 80m Pl	hone CW	.MDB			
		Open Log in D	atabase:	: C:\Apps	LBIM 80m P	hone CV	V.MDB						
		New Database											
		Open Databas	e										
		Copy (and Co	mpact) [Database.									
		Copy This Cor	ntest to A	Another D	atabase								
		Repairing a co	rrupted	database	(Internet)								
		Generate Cabr	illo File										
		Import											•
		Export											•
		1 ARRLVHFJU	N (2013-(06-08)									
		2 QSOPARTY	(2013-05	-04) (NEV	VE) in C:\A	mateurRadio	\Logs\Coi	ntests\2013	NEQP W	LTR.MDB			
		3 DX (1900-01-	-01) in C	:\Amateu	rRadio\Lo	gs\Contests\	2013 ARRL	VHF Jan W	/1TR.mdb				
4		4 ARRLVHFJA	N (2013-(01-19) in	C:\Amateu	rRadio\Logs	\Contests\	2013 ARRL	VHF Jan	W1TR.md	lb		
g		5 SSCW (2012-	•11-03) iı	n C:\Ama	teurRadio\	Logs\Conte	sts\2012 AF	RRL SS CW	W1TR.MD	B			
-		6 ARRLVHFSE	P (2012-0)9-08) in (C:\Amateu	rRadio\Logs	\Contests\	2012 ARRL	VHF Sep \	W1TR.md	lb		
٦		7 ARRLUHFAU	JG (2012-	-08-04) in	C:\Amate	urRadio\Log	s\Contests	\2012 ARRI	UHF W1	TR.mdb			
		8 DELETEDQS	(1900-01	-01) in C:	\Amateur	Radio\Logs\(Contests\2	012 ARRL V	'HF Jun W	1TR.mdb	•		
		9 FD (2012-06-	-26) in C:	:\Amateu	rRadio\CM	IARA\Field D)ay\2012 Fi	eld Day Log	gs\2012 A	RRL FD W	/1BIM.N	1DB	
		Exit	Alt+F4										

Setup FD Contest Log

Log Type=FD, Operator Category=MULTI-OP, Band=ALL, Power=LOW, Mode=MIXED, Station=FIXED Assisted=NON-ASSISTED, Xmitter Category=UNLIMITED, Sent Exchange=7A WMA, Operators=W1BIM

C:\Apps\N1MM Logger\2013 ARRL FD W1BIM 80m Phone & CW.MDB									
Select Contest Typ	Select Contest Type for New Log								
Log Type FD									
Start Date 2013-0	06-20								
Contest	Associated Files								
Operator Category									
Band Category	ALL Vice - the program								
Power Category	LOW								
Mode Category	MIXED Categories.								
Overlay Category	N/A Show Rules Show Setup								
Station Category	FIXED •								
Assisted Category	NON-ASSIST Time Category N/A								
Xmitter Category	UNLIMITED - Edit Off Times								
Sent Exchange	7A WMA Omit RST. E.g. CQWW: 05 SS: A 56 EMA								
Operators	W1BIM Update Ops from Log								
Soapbox Comments									
Comments	- OK Help Cancel								

Setup Station Data (1)

From N1MM Main Window, select Config / Change Your Station Data

M 3650.00 CW TS-2000 VF	A O		
File Edit View Tools	Con	fig Window Help	Multipliers
		Configure Ports, Mode Control, Audio, Other	
		Change Your Station Data	
		Change Band Plan	+
		Clear INI file settings	
Bunning F5 Call		Find all windows (move to within 800 x 600)	
20 ÷ F9 myCALL x		Enter Sends Message (ESM mode)	Ctrl+M
		Spot all S&P QSO's	
	\checkmark	QSYing wipes the call & spots QSO in bandmap (S&P)	
		Do Not Automatically Switch to Run on CQ Frequency	
	\checkmark	Show Non-Workable Spots in Bandmap	
		Reset RX freq to TX when QSO is logged (RUN & Split)	
Repring information appears be		Dual Rx always on	
bearing information appears ne	\checkmark	CQ Repeat Alt+R	
		Set CQ repeat time	Ctrl+R
and a real and the		CW AutoSend Threshold	
- 2013 ARRL FD W1BIM 80m I	\checkmark	Call History Lookup	
Freq Mode		Filter Blacklisted Packet Spot Calls	
		Change CW/SSB/Digital Function Key Definitions	•
		Networked-Computer Mode	
		Networked-Computer Tools	
		Edit Networked-Computer Names	
		Change Operator Callsign Stored in Log	Ctrl+0
		Change Exchange Abbreviations SO2R	•
		WAE	•

Setup Station Data (2)

Setup Station Data as Shown, Log-Master will Check This

Edit Station Info	rmation
Call Name Address Address	W1BIMTip: 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.P.O. Box 60411
City	Worcester State MA Zip 01606
Country	USA
Grid Square	FN42AM CQ Zone 5 ITU Zone 8
License Class	Extra Latitude 42.52083: Longitude 71.9583333
Station TX/RX	Various Power 100
Antenna	Various Ant. height o.g. 40 a.s.l. 1100
ARRL Section	WMA Packet Node Call K1TTT
Rover QTH	
Club	Central Mass Amateur Radio Association
email address	W1TR@ARRL.net
SMTP Server addr	x.x
	Ok Help Cancel

Hardware / Software Setup (1)

From the N1MM Main Window, Select Config / Configure Ports, Mode Control, Audio, Other

3650.00 CW TS-2000 VFO A		
File Edit View Tools Cor	nfig Window Help	Multipliers
	Configure Ports, Mode Control, Audio, Other	
	Change Your Station Data	
	Change Band Plan	•
	Clear INI file settings	
Esc: stop FILQ S&P	Find all windows (move to within 800 x 600)	
20 ÷ F9 myCALL x	Enter Sends Message (ESM mode)	Ctrl+M
	Spot all S&P QSO's	
✓	QSYing wipes the call & spots QSO in bandmap (S&P)	
	Do Not Automatically Switch to Run on CQ Frequency	
✓	Show Non-Workable Spots in Bandmap	
	Reset RX freq to TX when QSO is logged (RUN & Split)	
Desting information and and he	Dual Rx always on	
Bearing information appears ne	CQ Repeat Alt+R	
	Set CQ repeat time	Ctrl+R
	CW AutoSend Threshold	
2013 ARRL FD W1BIM 80m	Call History Lookup	
Freq Mode	Filter Blacklisted Packet Spot Calls	
	Change CW/SSB/Digital Function Key Definitions	+
	Networked-Computer Mode	
	Networked-Computer Tools	►
	Edit Networked-Computer Names	
	Change Operator Callsign Stored in Log	Ctrl+O
	Change Exchange Abbreviations SO2R WAE	> >

Hardware / Software Setup (2)

Use Hardware Tab, Set ALL Ports to NONE, uncheck ALL boxes. Use of CAT control, CW /PTT/FSK is beyond the scope of this presentation.

M Configurer								
	Winkey	Mo	de Contro	1	Ant	ennas	Audio]
Ha	ardware	F	iles	Ĩ	Function	n Keys	Digital Modes	Other
⊢ Port	Radio	Digital	Packet	CW/0	Other Details	⊙ S01V (○ SO2V ○ SO2R	
Com1	None	•			Set			
Com2	None	•			Set			
Com3	None	•			Set			
Com4	None	•			Set			
Com5	None	•			Set			
Com6	None	•			Set			
Com7	None	•			Set			
Com8	None	•			Set			
LPT1					Set			
LPT2					Set			
LPT3					Set			
	Cluster	_	Edit					
	1							
								Ľ
			24		<u> </u>			
			JK	_	Cancel		<u>H</u> elp	

Setup Log Window

This window shows stations you have worked, when, band, mode. Note Current Date Time, Contest Name, Log Database Name In Title Bar at Top of Window.

	M 2013-06-20 03:39:18Z Field Day - 2013	ARRL FD W1BIM 80m Phone & CW.MDB
	TS Call	Freq Mode Exch Sect Points Operator
		<u> </u>
		<u> </u>
		•
L		

Setup Multipliers Window

This window will show you which ARRL sections you have worked on which bands phone and CW.

Select the Sect Radio Button at the Bottom.

BUT... ARRL FD doesn't have multipliers, just if you are interested.

Mu	Multipliers - Sections - 0 of 996										
Н	elp										
	0	1	2	3	4	5					
						AR					
					GA CTTTTT CTTTTT						
	KS										
					PR CITTO CITTO						
	SD CTTTT CTTTT				SFL CIIII CIIII						
						•					
	Country C ZN 💿 Sect	O Other Auto ▼Au	ito 💌 Reset								

Setup Score Window (optional)

This window shows current score, but remember there are other stations operating so this is only a partial score!

Score - (Points	1		8
Band	Mode	QS0s	Pts	
Total	Both	0	0	
Score:	0			

Setup Other N1MM Windows

- Setup Log Window
- Setup Multipliers Window (optional)
- Setup Score Summary (optional)

In the N1MM Main Window, select Windows Menu Item

M 3650.00 CW TS-2000 VFO A	
File Edit View Tools Config Wi	ndow Help
Class Wipe Log It Edit Mark Esc: Stop F1 CQ S&P Running F5 Call F 20 ÷ F9 myCALL x 3	Available Mult's & Q's Bandmap Check CW Key Ctrl+K Digital Interface Entry Window Gray Line Info
Bearing information appears here.	Log Ctrl+L Multipliers Ctrl+J Packet/Telnet Rotor Score Summary Visible Dupesheet

Restarting N1MM Mid Contest

- If the Generator Goes Out, or Station (Computer) is Shut Down Normally...
- N1MM should REMEMBER what Database and Log it is using and restart OK.
- After Restart, or Changing Operators
 Check for Correct Database and Log Names
- The Database and Log Name Appear at the Title Bar at the TOP of the Log Window
- IF NOT Correct:
 - File / Open Database instead of New Database
 - File / Open Log in Database instead of New Database

Band Setup

Use the N1MM Main Window to set Frequency and Mode

• Set Frequency

Type Frequency in <u>KHz</u> (e.g. 3550) into callsign field Extremely Important to DO !!!, Otherwise Log Data Will Be Garbage

Set Mode

Type Mode (e.g. CW, USB, LSB, AM, FM, RTTY, PSK31) into callsign field Extremely Important to DO !!!, Otherwise Log Data Will Be Garbage

• Very Important to Set These Two Items

It is possible to correct all other items later *except*: <u>Date/Time</u> Freq

Mode

Frequency Setup

1850.00	_ 🗆 🔀						
File Edit Vi	File Edit View Tools Config Window Help						
Class Section							
S <u>W</u> ipe	Log It Edit J	<u>M</u> ark St <u>o</u> re Spo	ot It <u>B</u> uck				
Esc: Stop	F1 S&P CQ	F2 Exch	F3 Thanks!	F4 W1BIM			
🔲 Running	F5 His Call	F6 QSO B4	F7 QRZ?	F8 Again			
	F9 NR?	F10 Prec?	F11 CK?	F12 Sect?			
			0	0 //			

To Set or Change Frequency:

type the Frequency in KHz in the Callsign Field (left).

Use a typical Phone or CW Frequency, but N1MM only needs to know the Band.

NO NEED to CHANGE this as you tune up and down the band.

Note: the Title Bar of the Main Window will reflect the change

1 3550.00	_ 🗆 🔀						
File Edit Vi	File Edit View Tools Config Window Help						
Class Section							
SP <u>W</u> ipe	Log It Edit J	Mark Store Spo	ot It <u>B</u> uck				
Esc: Stop	F1 S&P CQ	F2 Exch	F3 Thanks!	F4 W1BIM			
🔲 Running	F5 His Call	F6 QSO B4	F7 QRZ?	F8 Again			
F9 NR? F10 Prec? F11 CK? F12 Sect?							
			0	0 //			

Mode Setup

🚍 3550.00 LSB TS-2000 VFO A							
File Edit Vi	ew Tools Config	g Window Help					
Class Section							
S <u>W</u> ipe	See Wipe Log It Edit Mark Store Spot It Buck						
Esc: Stop	F1 S&P CQ	F2 Exch	F3 Thanks!	F4 W1BIM			
🔲 Running	F5 His Call	F6 QSO B4	F7 QRZ?	F8 Again			
	F9 NR?	F10 Prec?	F11 CK?	F12 Sect?			
Bearing = 166°, 5297 mi, 8525 km, LP = 347°							
CX - Uruguay,	Zone 13, SA		0	0 //			

To Set or Change Mode:

type the Mode (CW, USB, LSB, AM, FM, RTTY, PSK31) into the Callsign Field (left). Note: the Title Bar of the Main Window will reflect the change

1 3549.25	5 CW TS-2000 \	/FO A					
File Edit Vi	ew Tools Config	g Window Help					
Class Section							
S€ <u>W</u> ipe	See Wipe Log It Edit Mark Store Spot It Buck						
Esc: Stop	F1 S&P CQ	F2 6A WMA	F3 TU	F4 W1BIM			
🔲 Running	F5 Call	F6 QSO B4	F7 ?	F8W1BIM			
24 ÷	F9 NR	F10 Prec	F11 CK	F12 Sect			
			0	0 //			

Operator Setup

M 52	05.00	USB 1	rs-200	0 VFO	A						
File	Edit V	liew	Tools	Config	Window He	elp					
				Cont	igure Ports, M	lode Control,	Audio, Other		L		
				Char	nge Your Statio	on Data					
				Char	nge Band Plan				▶⊟		
S	<u>W</u> ipe	Log	lt E	Clea	r INI file settin	igs					
Esc	: Stop	1		Find	all windows (n	nove to within	n 800 x 600)			F4 \	V1TB
ПВ	unnina	-	FE	Ente	r Sends Messa	age (ESM mod	le)	Ctrl+M		F8 A	vgain?
				Spot	all S&P QSO's	1					Grid2
				🗸 QSYi	ng wipes the o	all & spots Q	SO in bandmap (S&P)			112	
				Do N	lot Automatica	lly Switch to I	Run on CQ Frequency				
Bea	ring i	nfor	natio	Show	v Non-Workab	le Spots in Ba	andmap				
Call	histo	ry U	serT	Rese	t RX freq to T	X when QSO	is logged (RUN & Split))			
				Dual	Rx always on					391/125	53,500
	W	indow	s XP	🗸 CQ F	lepeat		Alt+R		ther	-	
				Set	CQ repeat time	2 		Ctrl+R			
				CW	AutoSend Thre	eshold			1000	ITC	
A ≡				✓ Call I	History Lookup)				<u> 115</u>	
				Hilter	BIACKIISTED Pa	icket Spot Ca	llis		0.55		- X
VordPad				Char	nge CW/SSB/D	igital Function	n Key Definitions		► 1000	TIS FF	DX Atlas
				Netv	vorked-Compu	ter Mode				Propagatio	I II)
				Netv	vorked-Compu	ter Tools			F		
Annantat				Edit	Networked-Co	mputor Nome			1		
		1		Char	ige Operator (Callsign Store	d in Log	Ctrl+O			
		7	1/-	Char	nge Exchange	Abbreviation	s			N	71M
lotepad	l	Micros	oft	SO2	R				2000	RMS Expre	ss N1MM logger
	Vi	sual S	u/	WAE	:				•		

Use your own PERSONAL CALLSIGN here

Operator Change	×
Enter Operator Call (Min 3 characters, no slash allowed)	ОК
	Cancel

QSO Logging (1)

- Enter
 - Callsign
 - Class
 - Section
 - New This Year Ontario is no longer ON ARRL made 4 sections out of Ontario (ON): ONE, ONN, ONS, GTA (Greater Toronto Area)
- Dupes will be Indicated

QSO Logging (2)

6/10/2	010 00:45:46Z Field	Day - 2010 ARRL FD 20m SSB W1BIM.MDB	_ 🗆 🔀
TS	Call	Freq Mode Exch Sect Points Operator	<u> </u>
			*
			-

Note: the LOG is empty to start.

To log W1TR 1A CT, type the information as follows:

1 3549.25							
File Edit Vi	File Edit View Tools Config Window Help						
Class Section W1TR 1A CT							
S€ <u>W</u> ipe	Set to a start of the start						
Esc: Stop	F1 S&P CQ	F2 6A WMA	F3 TU	F4 W1BIM			
🔲 Running	F5 Call	F6 QSO B4	F7 ?	F8W1BIM			
24 🗧 F9 NR F10 Prec F11 CK F12 Sect							
Bearing = 87°, 31 mi, 50 km, LP = 267°							
K - United Stal	tes, Zone 5, NA		0	0 //			

QSO Logging (3)

TS Call Freq Mode Exch Sect Points Operator 6/10/2010 00:46:43 W1TR 3549.25 CW 1A CT 2 W1BIM	
	•
6/10/2010 00:46:43 W1TR 3549.25 CW 1A CT 2 W1BIM	-
	_

Note: We already worked W1TR, that station is IN THE LOG.

If we try to LOG him again, same band, same mode,

the **DUPE**! message will show.

N1MM handles dupes OK by not scoring them.

If the other station insists, work him anyway, don't waste time arguing!

3549.2	5 CW TS-2000 \	VFO A		_ 🗆 🔀		
File Edit Vi	ew Tools Config	g Window Help				
W1TR Class Section Dupe!						
S€ipe	Log It Edit J	Mark Store Spo	ot It <u>B</u> uck			
Esc: Stop	F1 S&P CQ	F2 6A WMA	F3 TU	F4 W1BIM		
🔲 Running	F5 Call	F6 QSO B4	F7 ?	F8 W1BIM		
24 🕂	F9 NR	F10 Prec	F11 CK	F12 Sect		
Bearing = 87*, 31 mi, 50 km, LP = 267*						
K - United Stal	tes, Zone 5, NA		1	4		

At End of Field Day ...

- Close N1MM Logger
- Copy the LOG File *.MDB file to the ROOT Directory of the thumb drive
- Verify the .MDB file is ON the thumb drive
- Give the thumb drive to the Log Master
- Any Questions, Ask the Log Master

Log Consolidation and Submittal

This is what the Log Master will do to submit FD Logs to ARRL:

- 1) ALL thumb drives will be collected from Band Chiefs
- 2) MDB files will be loaded into N1MM for each band/mode
- 3) ADIF files will be created for each band/mode
- 4) ALL ADIF files will be imported and consolidated into a single log
- 5) Consolidate log will be exported to Cabrillo format for ARRL submission



User Support

• N1MM Web

http://n1mm.hamdocs.com/tiki-index.php Home source of information about N1MM, downloads, documentation, etc.

• N1MM Email User Groups

http://n1mm.hamdocs.com/tiki-index.php?page=Overview#N1MM Logger Discussion Groups Get notification of bugs and hints & kinks on how to use N1MM Post questions, comments, and report BUGS to the developers

Summary

- Free !! 🙂 🙂
- Widely Used and Supported 🙂
- Works on Microsoft Windows (only) 😣
- Supports nearly EVERY contest 🙂
- Works with most radios, connected, or stand alone 🙂
- CW automatic keying
- Digital Voice Keying (uses computer sound card)
- Digital modes supported: MMTTY, MMVARI
- Easy to setup
- Easy to use
- Remember to Setup Date/Time, Frequency, Mode

Extra Topics

- W1TR Go-Kit Diagram
- CAT Control
- CW Keying
- Digital Voice Keying (DVK)
- Audio Files
- Audacity Audio Editor
- Digital Modes (RTTY, PSK, Etc.)

W1TR Go-Kit Diagram



CAT Control

- USB or RS-232 to CI-V translator to Rig (ICOM)
- RS-232 directly to Rig (Kenwood)
- RS-232 to TTL converter to Rig (Yaesu)
- USB to RS-232 converter may be needed Most USB to RS-232 converters work OK for CAT control (maybe NOT for PTT, CW, FSK RTTY)
- CAT Control Monitors Rig Data (freq, mode)
- CAT Control Can Control Rig Data (freq, mode)
- Other items can be Monitored / Controlled Mic Gain, CW Speed, RF Gain (depends on RIG)

CW Keying

- RS-232 or LPT used
- USB to RS-232 may be needed
- RS-232 DTR for CW Keying
- RS-232 RTS for PTT
- RS-232 TXD for RTTY FSK
- Need RS-232 (± 12 vdc) to TTL (0/+5 vdc) Level Converter (RigBlaster Provides This)
- Function Key Macros Automatically Send CW
- Ctrl-K Keyboard Window

Eliminates Need for Keyer Paddle Most Operators Keep the Keyer Paddle Anyway, Just In Case !!

Digital Voice Keying

- Use Computer Sound Card
- Computer Mic to Rig Speaker Output
- Computer Speaker Out to Rig Mic Input
- Isolation Transformer for Both (RigBlaster Provides This)
- All Modulation and Demodulation in Software (Digital Modes)

Digital Modes Equipment Interconnect



Audio Files

- Pre-Recorded Messages (CQ, This Is..., etc)
- Letters (Phonetics) and Numbers, Pieced Together
- N1MM can play back messages as defined in macro files associated with program function keys (Function Keys)
- N1MM can play back internal data items Like callsign of other station, your callsign, signal report, contest exchange, using letter phonetics and numbers pieced together
- It is possible to work a phone contest without ever saying a word into the microphone

Audacity Audio Editor

- Use Audacity to Edit Audio Phrases
- Audacity Web Site

http://audacity.sourceforge.net/download/

Digital Modes (RTTY, PSK, Etc.)

- N1MM does NOT do Digital Modes by Itself
- N1MM works with MMTTY for RTTY (FSK) Use of USB to Serial Device for FSK MAY need EXTFSK driver (software)
- N1MM works with MMVARI for Digital Modes
- N1MM works with FLDIGI for Digital Modes
- MM HamSoft WEB Site http://mmhamsoft.amateur-radio.ca/

N1MM Quick Sheet

- Set Date/Time on Computer to WWV (2.5,5,10,15,20 MHz) CHU on 3.330, 7.850, 14.670 MHz
- Install N1MM Software (Full Install then Recent Version)
- Create New Database ...\2013 ARRL FD W1BIM 20m SSB.MDB
- Create New Contest
 - Contest Type FD
 - Start Date 2012-06-23
 - Op Category Multi-Multi
 - Power LOW
 - Exchange 7A WMA
 - Set Station Info (see Slide #9) (Can be done by Log Master later) station callsign W1BIM
- Set Operator Callsign (KB1VUA, etc) not to be confused with station callsign
- Set Frequency in KHz (e.g. 3550, 3850) use typical CW or SSB freq accordingly
- Set Mode (USB, LSB, CW, AM, FM)
- Enter QSO: Callsign, Class, Section while logging
- Remember ON (Ontario) is now ONN, ONE, ONS, GTA starting Fall 2012
- Edit or Quick Edit to fix Errors
- Delete to Remove QSOs