

N1MM Setup Notes

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How to setup and configure the software using RIGblaster pro interface:

1. Open the N1MM program
2. Click on "Config"
 - a. Click on "Configure Ports, Telnet Address, Other"
 - i. Generally set one time and do not modify unless radio or computer is replaced
 - b. Click on the "Hardware" tab
 - c. Go to "Com1" line
 - i. Set "Radio" to "Kenwood"
 - ii. Click on "Set"
 - iii. Enter the following settings:

1. Speed	9600 (radio must be same)
2. Parity	N
3. DataBits	8
4. Stop Bits	1
5. DTR (pin4)	Handshake
6. RTS (pin7)	Handshake
7. Radio/VFO	1
8. Radio PTT via command	Checkmark
9. Allow ext interrupts	Do NOT check
10. FootSwitch [pin 6]	None
11. MK2R	Do NOT check

- d. Go to "Com2" line
 - i. Set "Radio" to "None"
 - ii. Click on "CW"
 - iii. Enter the following settings:

1. DTR (pin4)	CW
2. RTS (pin7)	PTT
3. Radio Nr	1
4. PTT Delay (msec)	30
5. Allow ext interrupts	Do NOT check
6. WinKey	Do NOT check
7. MK2R	Do NOT check
8. FootSwitch [pin 6]	Normal
9. Click on "OK"	

- e. Go to "Com3" line
 - i. Set "Radio" to "None"
 - ii. Click on "Digital"
 - 1. Click on "Set"
 - iii. Enter the following settings:

1. DTR (pin 4)	CW
2. RTS (pin 7)	PTT
3. Radio Nr	1
4. PTT Delay (msec)	30
5. Allow ext interrupts	Do NOT check
6. WinKey	Do NOT check
7. MK2R	Do NOT check
8. Footswitch (pin 6)	Normal
9. Click on "OK"	

- f. Click on the "Files" tab
 - i. Leave all settings in default

- g. Click on the "Function Keys" tab
 - i. Do not check "Monitor via PC Speaker"
 - ii. Check "Send Corrected Call"
 - iii. Check "Send partial calls"
 - iv. Check "Work Dupes"
 - v. Check "Use Contest Word Spacing for CW"
 - vi. Do not check "Send Cut Numbers"
 - vii. Do not Check "Send leading zeros in serial numbers"
 - viii. Check "Stop Sending CQ when Callsign changed"
 - ix. Check "ESM only sends your call once in S&P..."
 - x. Leave "String to use on cw between his call key..." blank
 - xi. Enter 186 in "Keycode of INS Key Substitute"
 - xii. Enter 222 in "Keycode of TU/Log Key Substitute"
 - xiii. Leave the Function Key settings in default settings
 - xiv. Click on "OK"

- h. Click on the "Digital Modes" tab
 - i. Select "Digital Interface 1"
 - 1. Set "TU Type" to Soundcard
 - 2. Leave all other settings in this column blank
 - ii. Leave all settings in "Digital Interface 2" blank
 - iii. Select "DI-1 MMTTY Mode"
 - 1. Click and select "FSK"
 - iv. Select "DI-2 MMTTY Mode"
 - 1. Click and select "FSK"
 - v. Select "DI-1 MMTTY Path" and set to:
 - 1. C:\Program Files\MMTTY\MMTTY.exe
 - vi. Leave "DI-2 MMTTY Path" blank
 - vii. Click on "OK"

- i. Click on the "Other" tab
 - i. Leave all settings in default mode

- j. Click on the "Winkey" tab
 - i. Leave all the settings in default mode

- k. Click on the "Mode Control" tab
 - i. Leave all settings in default mode
 - ii. In the "Mode recorded in log" column
 - 1. Click on "Use radio mode (default)"
 - a. This must be set for each individual contest
 - iii. In the "Mode sent to radio" column
 - 1. Click on "Follow mode recorded in log (default)"
 - 2. Except change:
 - a. Log Mode Radio Mode
 - b. RTTY to RTTY
 - c. PSK to USB
 - iv. Click on "OK"

- l. Click on the "Antennas" tab
 - i. Leave all settings in default or set for your station

- m. Click on "Audio" menu tab
 - i. N1MM software will find and setup for your sound card
 - 1. 1 - Zero of Single Card, One Radio, No Sound Card SO2R
 - 2. Tx Sound Card and QSO Recording Setup
 - a. Select Device Default
 - b. Select Input Line Blank
 - c. Select Line to Mute Blank
 - d. Recording Bits 24
 - e. Recording Sample Rate 11025
 - f. Radio Input Port Blank
 - g. Max Recording Length 30
 - h. Recording channels 2
 - ii. Click on "OK"

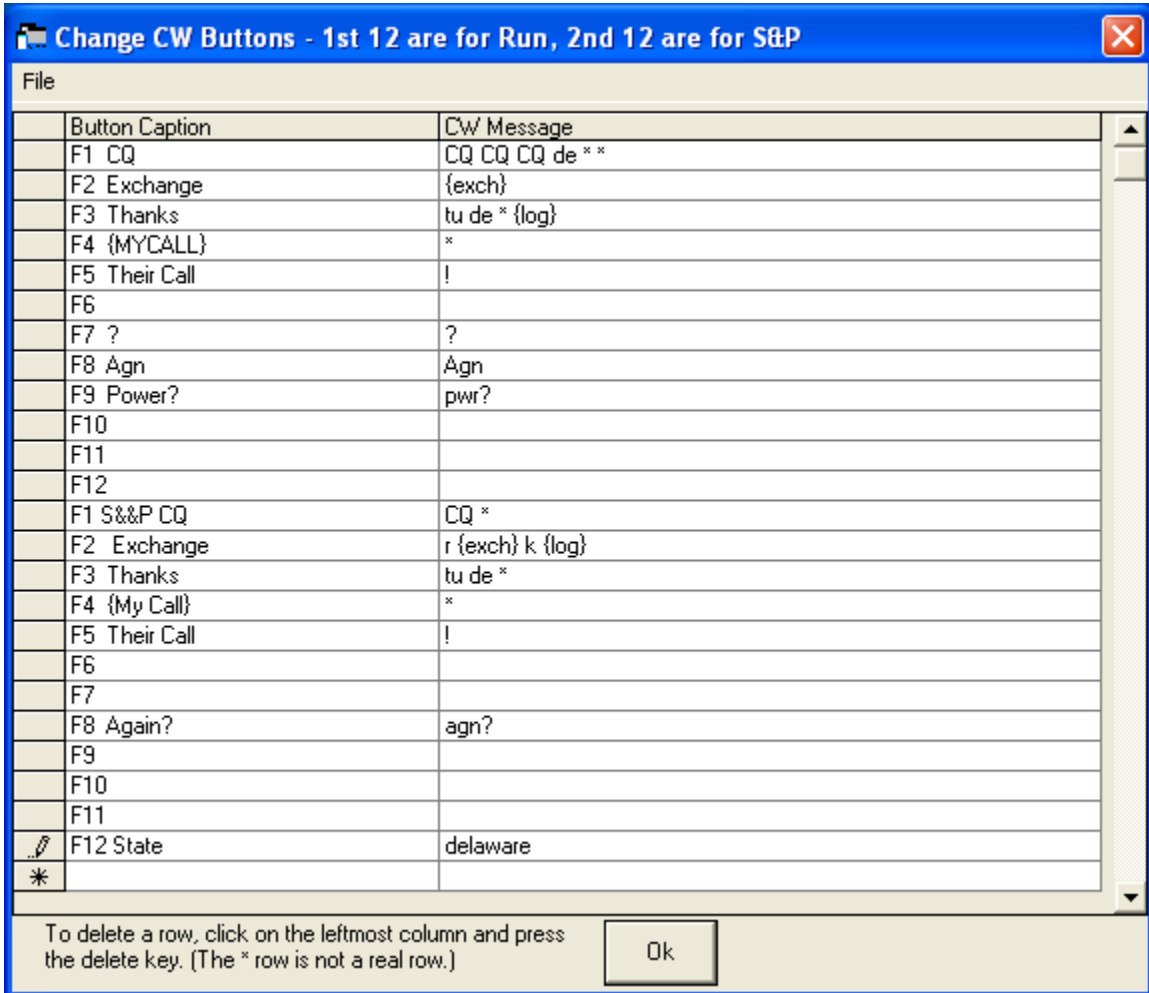
- 3. Click on "Config, Change Your Station Data" tab
 - a. Enter the appropriate information for your station
 - i. This data will be used in every operation until modified

4. Click on "Change Sub Bands"
 - a. Leave with default settings
5. Click on "Clear INI File settings"
 - a. Do not clear all configuration settings
6. Find all windows (move to within 800 x 600)
 - a. Do not check
7. Check "Enter sends messages (ESM Mode)"
8. Auto Send Threshold
 - a. Leave default value "0"
9. Spot all S&P QSO's
 - a. Check to send all spots to Internet
10. QSYing wipes the call & spots...
 - a. Check this item
11. Do not run on CQ frequency
 - a. Do not check
12. Show non-workable spots
 - a. Do not check
13. Reset Rx frequency when running split
 - a. Do not check
14. Dual Rx always on
 - a. Do not check
15. CQ Repeat
 - a. Check this item
16. Set CQ repeat time
 - a. Leave default value "3" seconds

17. Call History lookup
a. Check this item

18. Record QSO's
a. Do not check

19. Change CW/SSB/Digital Message Buttons
 a. Edit as needed for specific event



Change SSB Buttons - 1st 12 are for Run, 2nd 12 are for S&P

File

Button Caption	.WAV File	
F1 CQ	C:\Program Files\N1MM logger\WAV\{operator}\cqswEEPstake	Set
F2 Exchange	C:\Program Files\N1MM logger\WAV\{operator}\arllsreport.wa	Set
F3 TU QRZ	C:\Program Files\N1MM logger\WAV\{operator}\tnxfromn3meqr	Set
F4 N3ME	C:\Program Files\N1MM logger\WAV\{operator}\n3me.wav	Set
F5 Your Call?	C:\Program Files\N1MM logger\WAV\{operator}\whatisyourcall.	Set
FE		Set
F7 My Report?	C:\Program Files\N1MM logger\WAV\{operator}\myreportplease	Set
F8 Again?	C:\Program Files\N1MM logger\WAV\{operator}\again.wav	Set
F9 Number ?	C:\Program Files\N1MM logger\WAV\{operator}\whatismynumb	Set
F10 Precedent ?	C:\Program Files\N1MM logger\WAV\{operator}\whatisyourprec	Set
F11 Check ?	C:\Program Files\N1MM logger\WAV\{operator}\whatisyourche	Set
F12 Section ?	C:\Program Files\N1MM logger\WAV\{operator}\whatisyoursecl	Set
F1	C:\Program Files\N1MM logger\WAV\{operator}\n3me.wav	Set
F2 Exchange	C:\Program Files\N1MM logger\WAV\{operator}\arllsreport.wa	Set
F3 Thank You	C:\Program Files\N1MM logger\WAV\{operator}\tnxfrp,m3,eqrz	Set
F4 N3ME	C:\Program Files\N1MM logger\WAV\{operator}\n3me.wav	Set
F5 Report	C:\Program Files\N1MM logger\wav\{operator}\arllsreport.wav	Set
F6		Set
F7 My Report?	C:\Program Files\N1MM logger\wav\{operator}\myreportplease.	Set
F8 Again?	C:\Program Files\N1MM logger\wav\{operator}\again.wav	Set
F9 Number?	C:\Program Files\N1MM logger\wav\{operator}\whatismynumbe	Set
F10 Precedent?	C:\Program Files\N1MM logger\wav\{operator}\whatisyourprec	Set
F11 Check?	C:\Program Files\N1MM logger\wav\{operator}\whatisyourchec	Set
F12 Section?	C:\Program Files\N1MM logger\wav\{operator}\whatisyoursecti	Set
*		

To delete a row, click on the leftmost column and press the delete key. (The * row is not a real row.)

Ok

20. Common use macros include:

- a. {ENTERLF} Enter line feed
- b. {TX} Transmit
- c. {RX} Receive
- d. {TIME2} Add 4 digit real time
- e. {CALL} Their callsign
- f. {MYCALL} My callsign
- g. {LOG} Log the contact
- h. {GRAB} Get call you wish to work
 ALT+G
- i. {STACKANOTHER} is for calls you want to stack in a queue
 CTRL+ALT+G

21. Multi-User Mode

- a. Do not check unless multiple radios/computers

22. Multi-User Tools

- a. Available only if operating in multi-user mode

23. Edit Computer Station Names

- a. Accept default values
 - i. Stn # (0-15) Stn Name Computer IP Address
- | | |
|----------|-----|
| 0: Radio | Ham |
|----------|-----|

24. Change Operator (CTRL & O)

- a. Insert current operator's callsign

25. SO2R

- a. Use only if this is the operating mode

26. WAE

- a. Use only if this is the WAE contest

Before each contest, perform the following:

1. Click on "Tools, Download Latest Check Partial File (Master.DTA)(Internet)"
 - a. Your Internet browser will open on the K5ZD website
 - i. Left click on "master.dta"
 - ii. The "File Download" window will open and prompt you to save the file
 - iii. Left click on "Save"
 - iv. Place the "master.dta" file in your N1MM folder
 - v. If you are asked to replace an existing copy, click on "Yes"
 - vi. The file will download into your N1MM folder
 - vii. Close your Internet browser

2. Click on "Tools, Download latest country file (wl_cty.dat)(Internet)"
 - a. Your Internet browser will open
 - i. Left click on N1MM
 1. Left click on "wl_cty.dat"
 2. A window menu will open
 1. Left click on "Save Target As..."
 2. Save the file in your N1MM folder
 3. If you are asked to replace an existing copy, click on "Yes"
 4. Close your Internet Browser

3. Click on "Tools, Import Country list from downloaded file"
 - a. The country list file "wl_cty" will be highlighted
 - b. Left Click on "Open"

4. Click on "File"
 - a. Click on "New Log in Database..."
 - b. A window will open that will help you setup a specific contest event
 - c. Click on "Log Type"
 - i. Use the down arrow to the right of "Log Type"
 - ii. Select the specific contest such as: ARRL10M
 - iii. Click on the specific contest name to select it
 - iv. Enter the "Start Date"
 - v. Click on and complete the "Contest" tab information
 - vi. Click on "Associated File" tab
 - vii. Complete the filenames as needed
 - viii. Click on "OK" to begin the contest operation
 - ix. If using SSB, the program will setup automatically and be ready for use.
 - d. If not using SSB, go to either "If using RTTY" or "If using PSK31" shown later in this document
5. If using RTTY,
 - a. Click on "Window, Digital Interface, Interface"
 - i. Select MMTTY/Other
 - ii. Configure the macro buttons as desired
 - iii. Remember RTTY uses LSB or FSK
6. If using PSK31,
 - a. Click on "Window, Digital Interface, Interface"
 - i. Select MMVARI
 - ii. Configure the macro buttons as desired
 - iii. Remember PSK31 uses USB
7. Click on "Telnet Cluster"
 - a. Select the node you wish to connect to
 - b. You can click on "Edit" and set IP addresses, if necessary.

After the contest:

1. After the contest
 - a. Click on "View"
 - i. Click on "Off Times"
 - ii. Record time active in contest
 - iii. Record time inactive in contest
 - b. Click on "View"
 - i. Click on "Suspect Calls"
 - ii. Click on "Suspect Zones"
 - iii. Click on "Statistics"
 - iv. Click on "Score Summary"
 - v. Click on any other report of interest
 - c. Click on "File"
 - i. Click on "Export"
 1. Click on "ADIF" and save in /Ham/Logs/...
 2. Click on "Cabrillo" and save in /Ham/Logs/...
 - d. Click on "File"
 - i. Click on "Exit"
 - e. Open DX4WIN software in order to import N1MM log file
 - i. Click on "File"
 1. Click on "Import/Export"
 - a. Click on "ADIF"
 - i. Click on "File"
 - ii. Click on "Import" to import N1MM file

2. Run "SH5" software for information on log
3. Run "CBS" software for statistics
 - i. This software will generate a per hour qso rate and will check for duplicate contacts:
 - ii. Place the cabrillo log file in the CBS folder
 - iii. Drop into DOS
 - iv. Navigate to the CBS folder
 1. Type, CBS
 2. Press ENTER
 3. Enter the cabrillo file name
 4. Press ENTER
 5. Enter the data output file name
 6. Press ENTER
 7. The file will be generated.

4. Run the program, ADIF to DX4Win, which is located in the DX4Win folder.
 - a. Specify the ADIF input file by clicking on the ADIF button. Once you specify the input file, the output file will be given the same name, but with a .DXQ extension. To change the output file name, click on the DX4WIN button.
 - b. Next, select the Contest type. Not all contests are currently supported. The operation of the program is unpredictable, if you select a different contest type than your log.
 - c. Enter a group number, if desired. The default is Group 0 (the "all QSOs" group).
 - d. You can enter text in the QSO Note field. You can put any text there you want, up to a maximum of 64 characters.
 - e. Check the Upload box to set the LOTW (Logbook of the World) Upload flag for each QSO. This is the default.
 - f. Check the Label box to have a label printed for each QSO.
 - g. Click the Exchange box to have the full received contest exchanged written to the "Notes for this QSO" field. *NOTE*: only supported for ARRL Field Day and ARRL Sweepstakes so far, others may be added over time.
 - h. Finally, click on the Convert button to perform the conversion. If there are any warnings, they will show up in the window. The resulting .DXQ file should be imported into DX4WIN as "DX4WIN6" format.
5. E-mail cabrillo log file to contest sponsor
6. Enter contest data at: <http://www.hornucopia.com/3830score/>