N1MM …

What It Does

Getting Started

Radio Interfacing

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WA5POK/4

N1MM – What it does

- Primarily a contest logging software
- All major contests are supported along with many minor contests.
- Can send SSB/CW/Digital
- Can control your radio
- Chose and point your antenna
- Easy log conversions, merging and log exporting

N1MM – What it does

- N1MM can function as general logging software
- DX4WIN is much better but at a cost of $80
- Logger32 by K4CY works well and is free
- Both can input from N1MM to upload to LOTW
- N1MM is well supported and maintained
- Runs in Windows versions from 2000 to Windows 8; 32 and 64 bit systems

N1MM – Getting Started

- First Download the full installer

http://n1mm.hamdocs.com/tiki-index.php?page=Full+Install

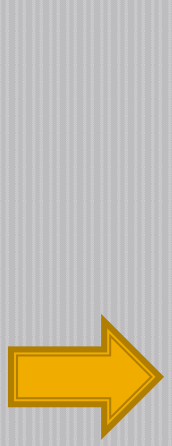
- Next download and install the latest updates

http://n1mm.hamdocs.com/tiki-list_file_gallery.php?galleryId=15

- Two Icons will appear
    - **a.** N1MM Icon for logging
    - **b.** Grayline Icon for visual of sunset and sunrise
- You will also have a very thorough 931 page pdf manual!

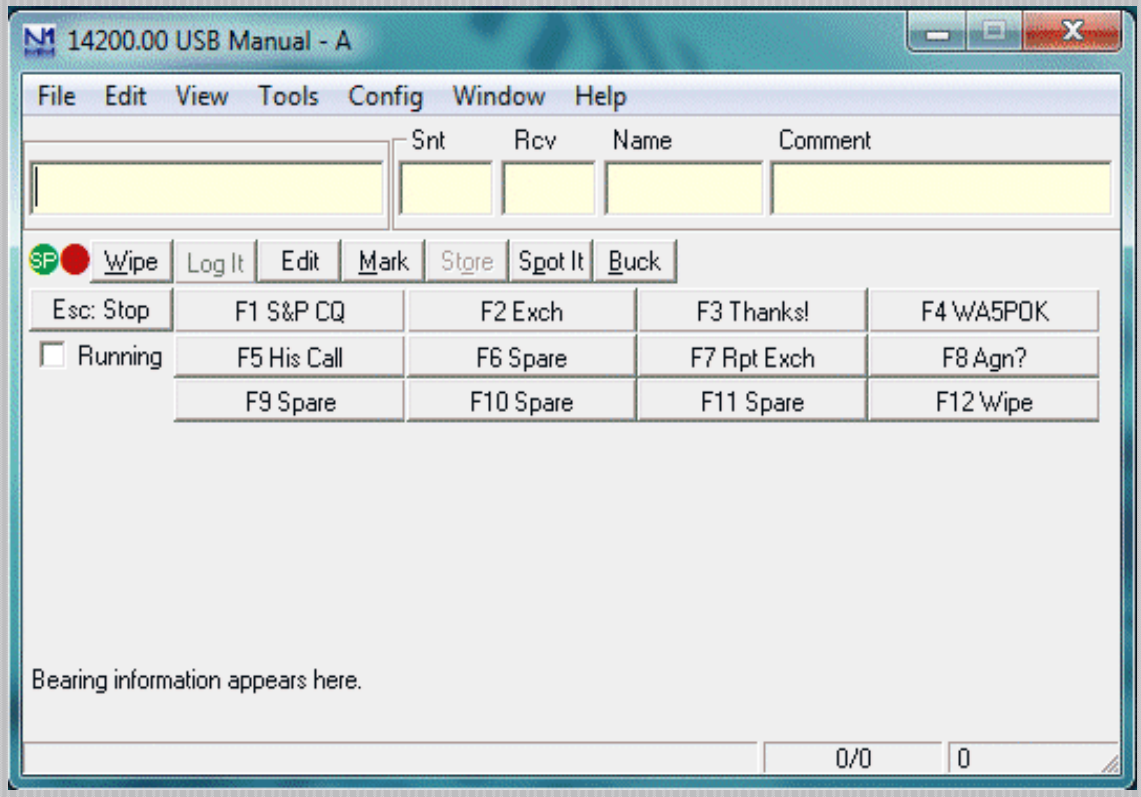
N1MM - Getting Started

- Click on the N1MM Icon



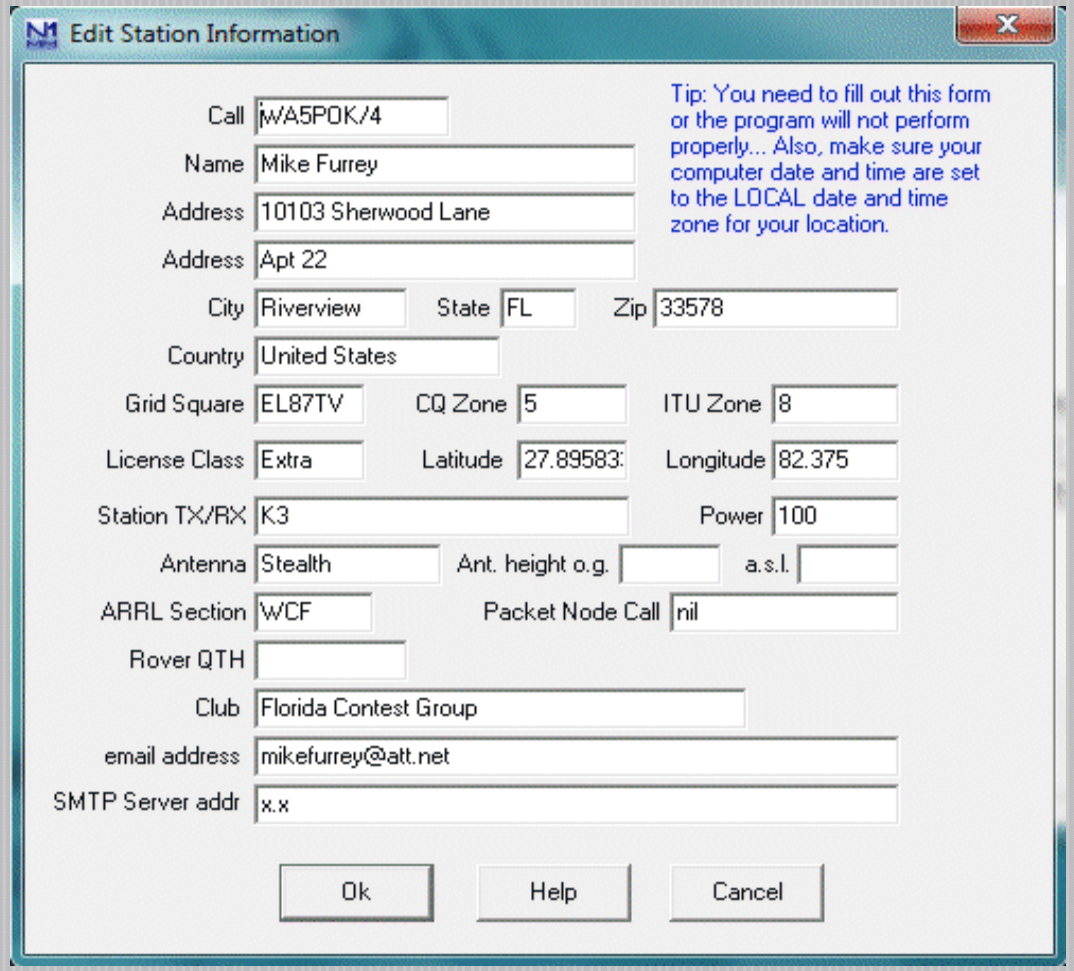
N1MM- Getting Started

General Logging Dialog Box Appears



N1MM – Getting Started

Click
"**Config**"
Then click:
"**Change Your Station Data**"
and you will see …

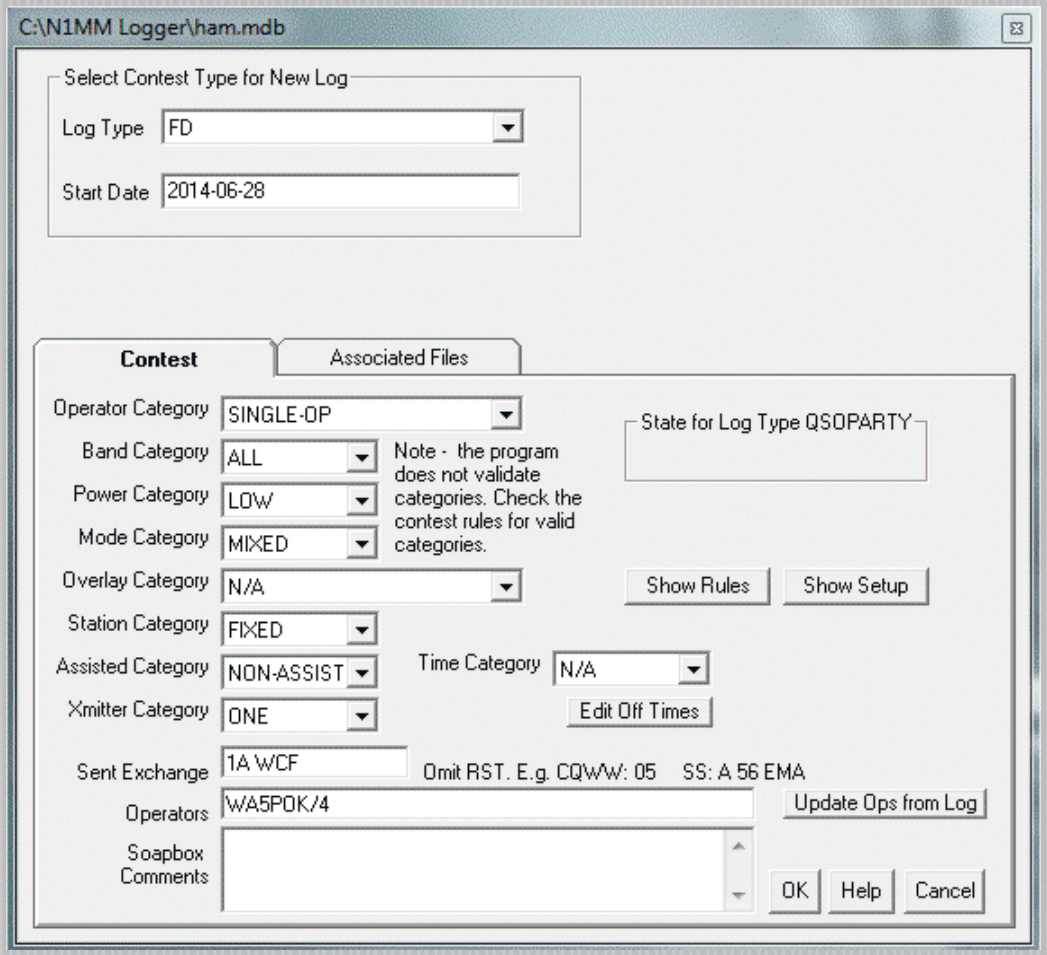


N1MM – Using

- Now you are ready to use N1MM to log general or non-contest QSOs.
- So … What about Field Day? Or any other contest?

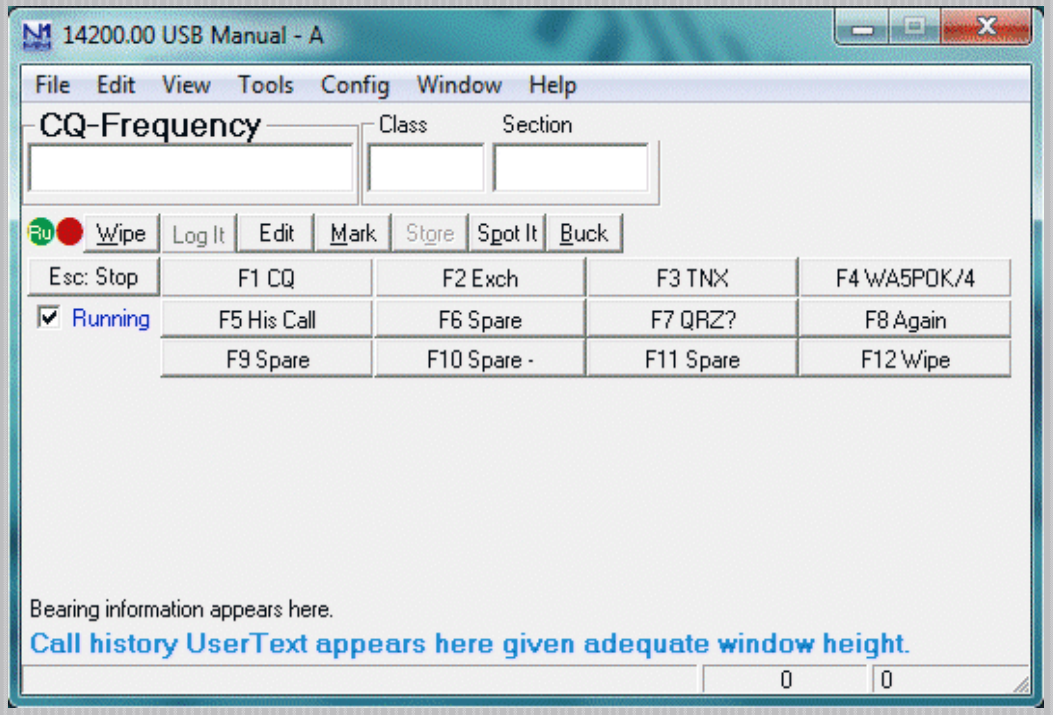
N1MM - Getting Started for FD

Click
"**File**"
Click
"**New Log In Database**"
and you will see …



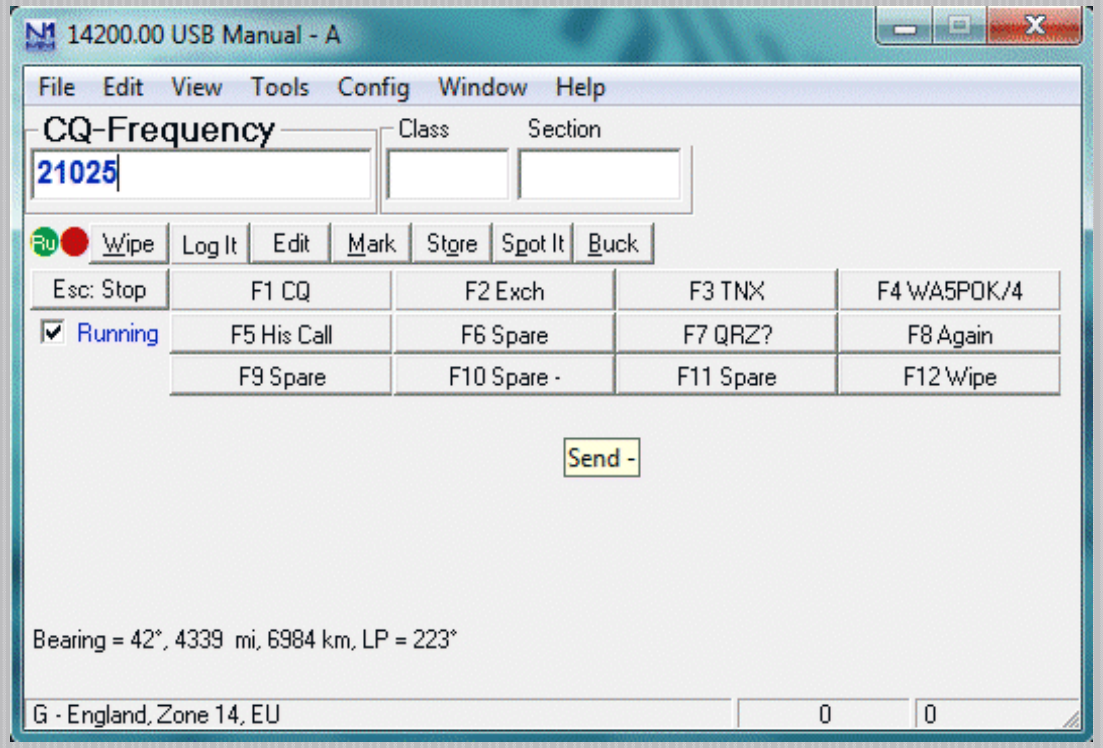
N1MM – Getting Started for FD

You are all ready to start on 20 meter SSB for FD! Move from box to box with either the “**TAB**” key or “**space bar**”. Press “**enter**” to log the QSO.



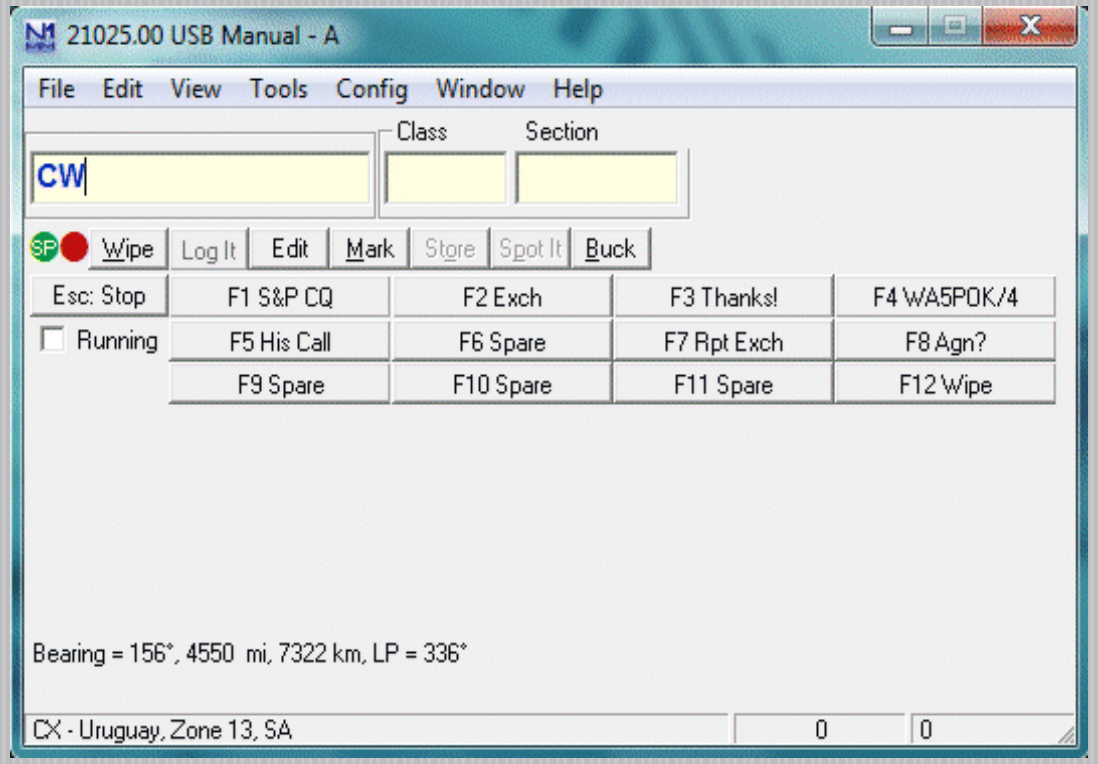
N1MM – Getting Started for FD

To change **Bands** type the **Frequency in KHz** in the Call sign box and hit "**Enter**"

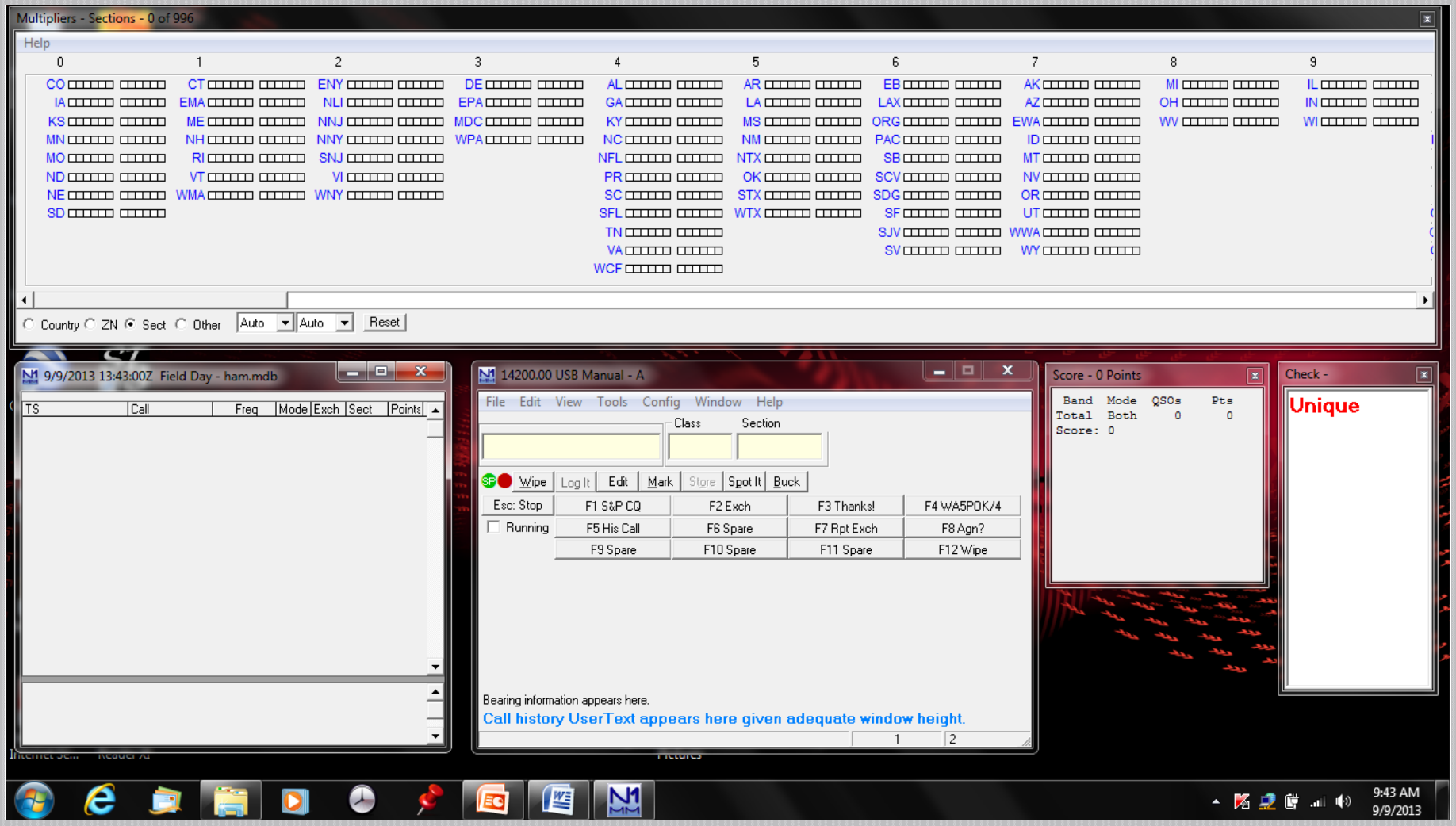


N1MM – Getting Started for FD

To change **Mode** type the Mode **CW**, **SSB**, **RTTY** in the Call Sign box and hit "**Enter**"



N1MM – Getting Started for FD



N1MM – Radio Interfacing

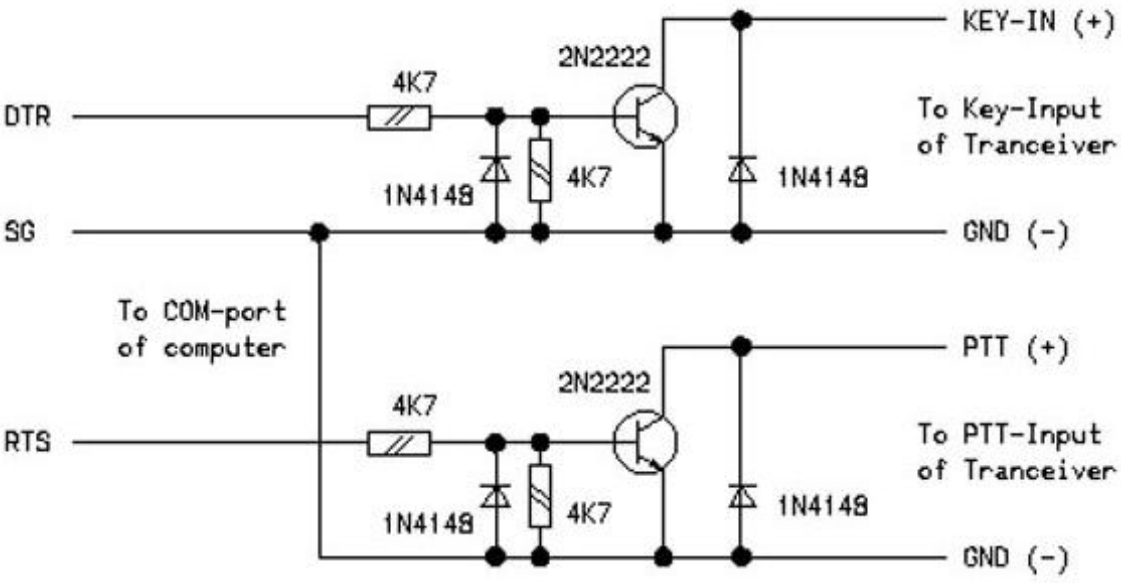
- Computer needs to talk with radio through one or two computer ports
- CW sending needs one port
- Radio Control (basic) needs another port
- Computer has serial ports – Easy
- Computer has only USB ports – Be Careful! Use only USB-to-Serial adaptors built with **“FTDI”** chipset, **“Prolific”** chipset is very problematic

N1MM – CW Control

- The computer must be interfaced with the radio to send **CW**.
- The interface can be a pair of simple homebrew switching transistor circuits.
- The interface can be a more sophisticated commercial unit.

N1MM – CW Control

Schematic for Homebrew Interface



Signal Name	Pins of DB-25	Pins of DB-9
DTR	20	4
SG	7	5
RTS	4	7

N1MM – CW Control

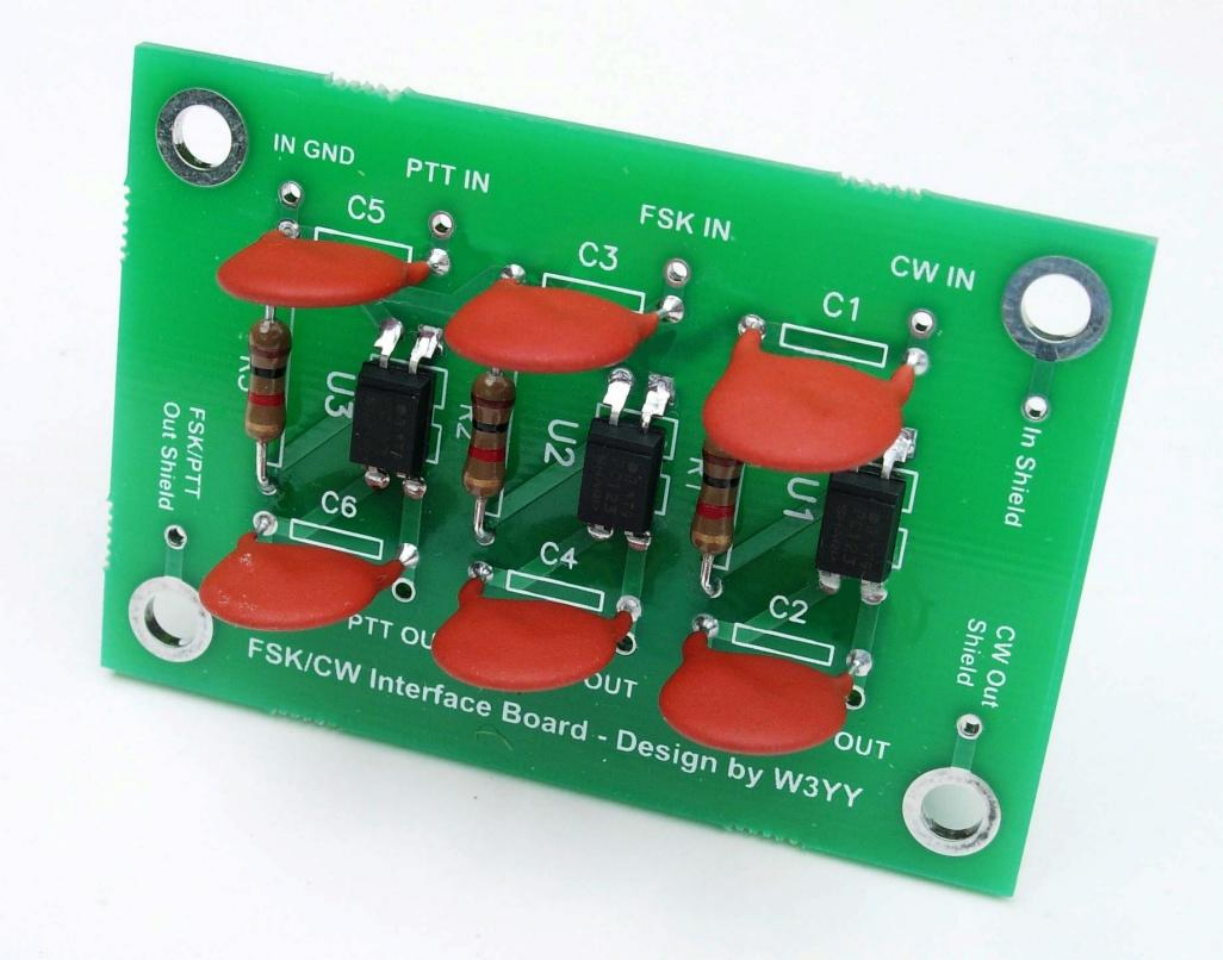
WinKeyer USB Interface kit - $79

N1MM – CW Control

Signalink USB Interface Unit - $109.95

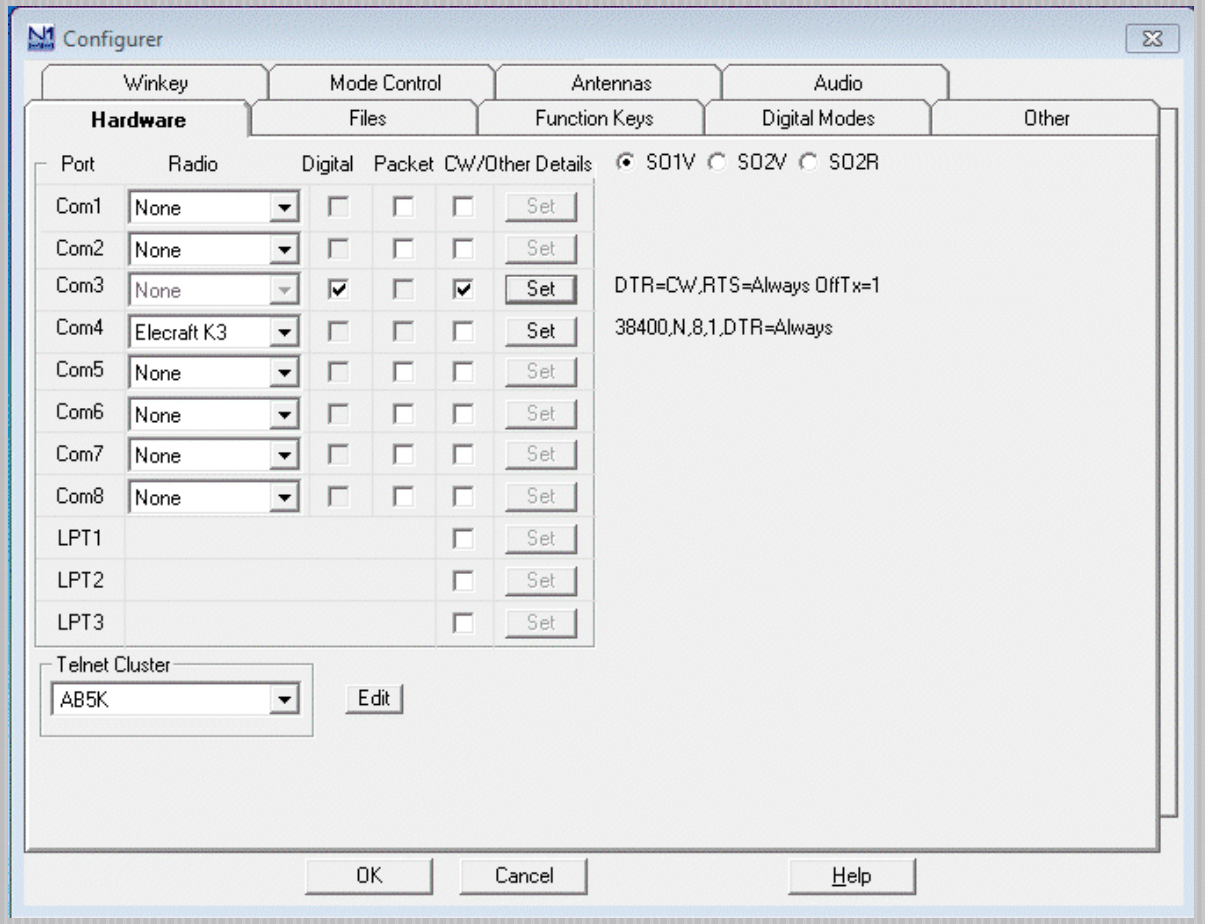
N1MM – CW Control

W3YY CW/FSK Optical Interface - $29 + $4 for shipping



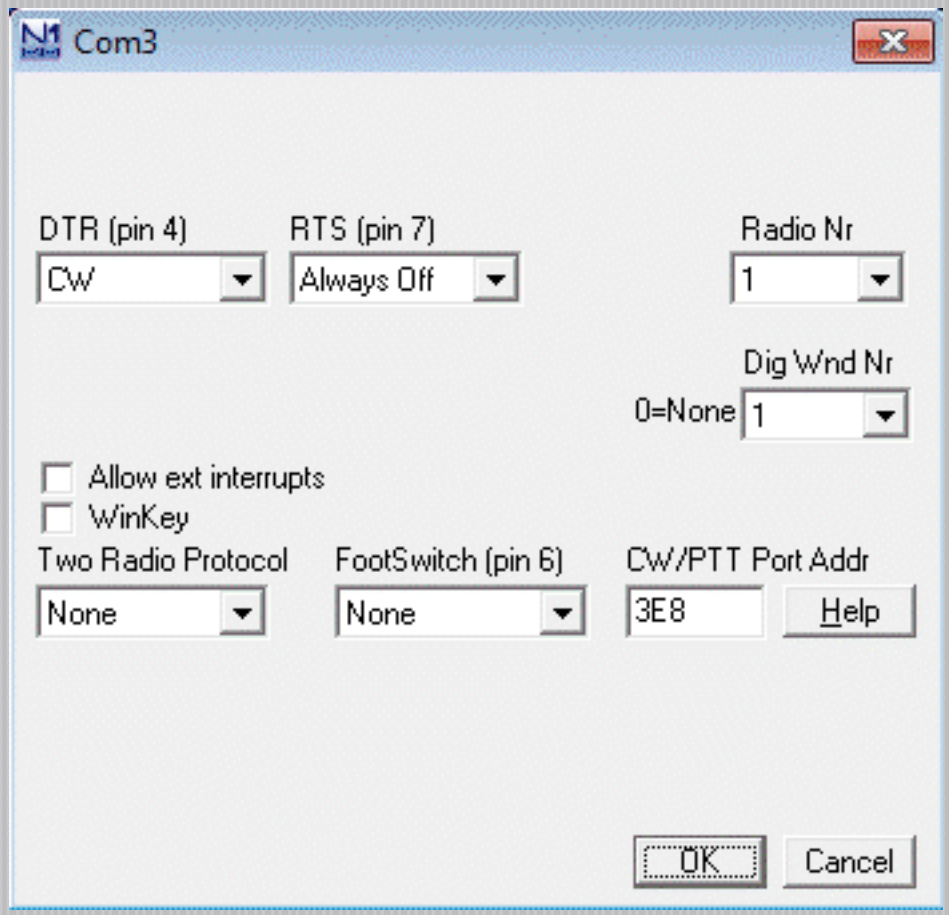
N1MM – Radio Interfacing

My laptop sets the USB-to-Serial port adaptors to com3 and com4. I set com3 for cw and digital control and com4 to my radio.



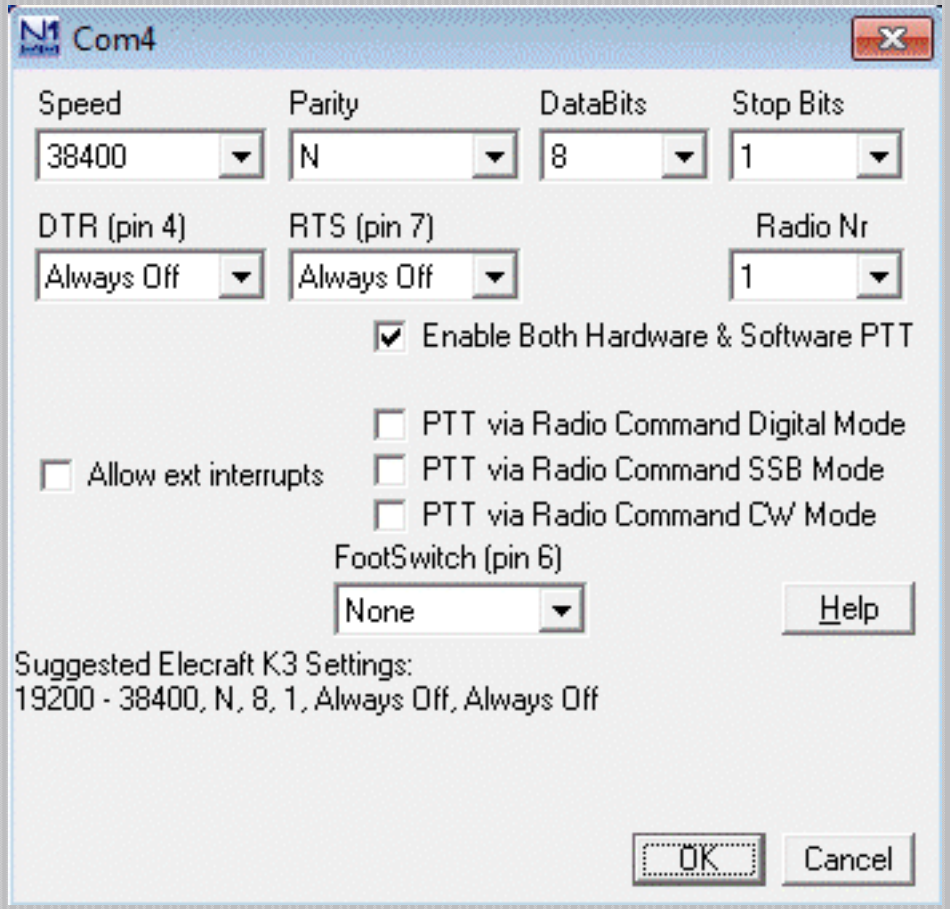
N1MM – CW Control Parameters

In the “**configurer**” screen shot, click “**set**” that is next to com3 port and set the pull-downs as shown to the right.



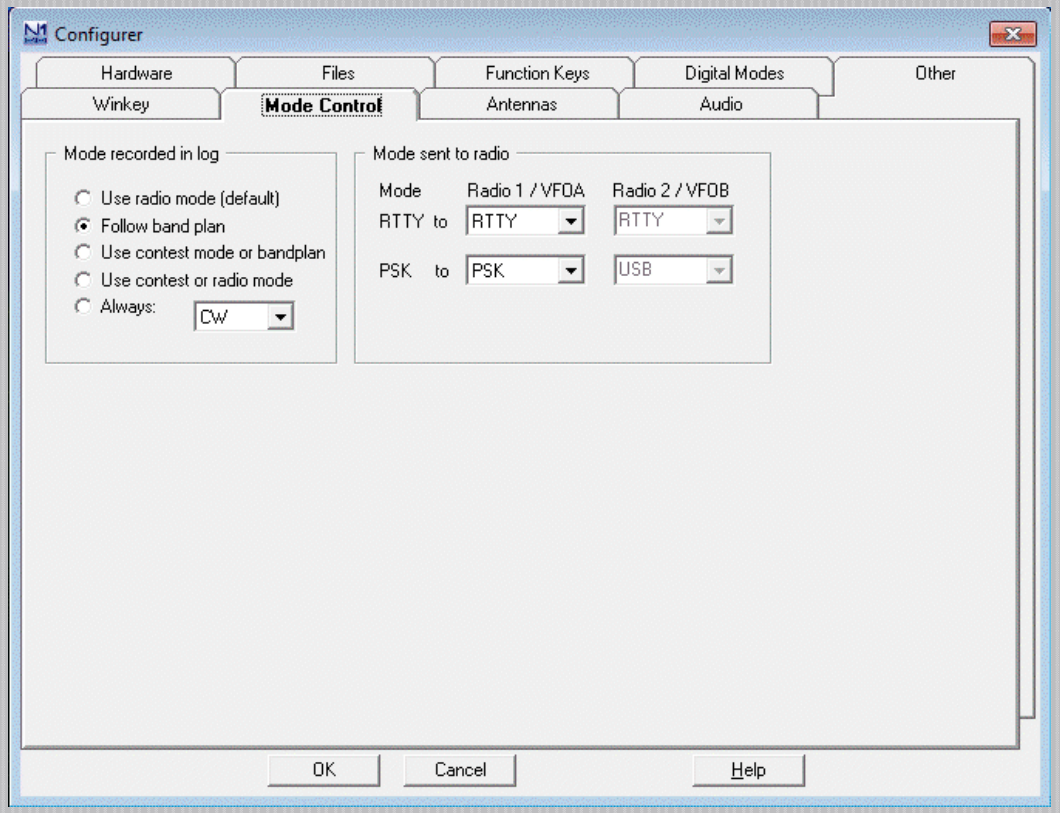
N1MM – Radio Control Parameters

In the “**configurer**” window, click “**set**” that is next to com4 port and set the pull-downs as shown to the right.



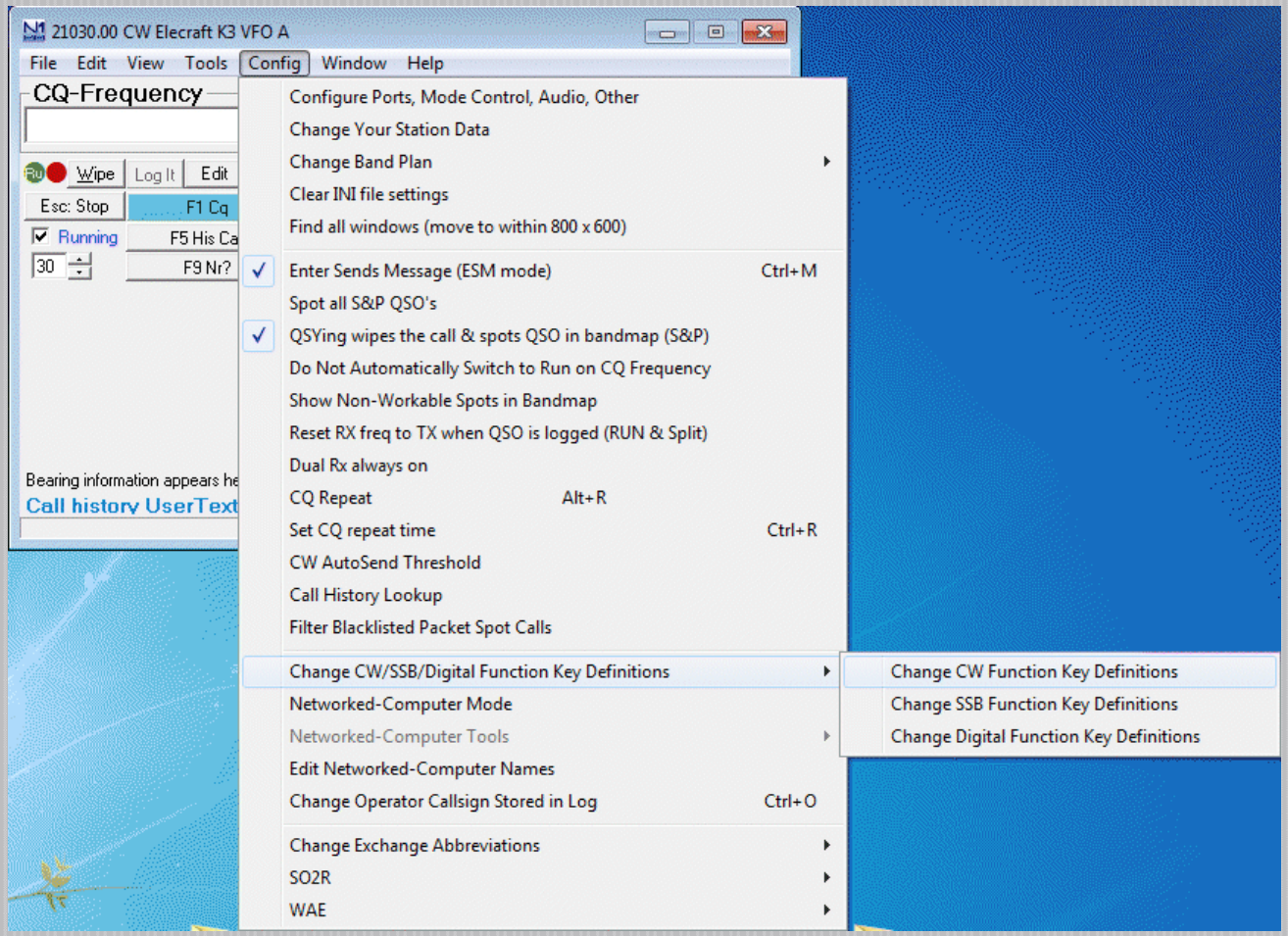
N1MM – Radio Control Parameters

In the “**configurer**” window, select “**Mode Control**” and set boxes as shown.



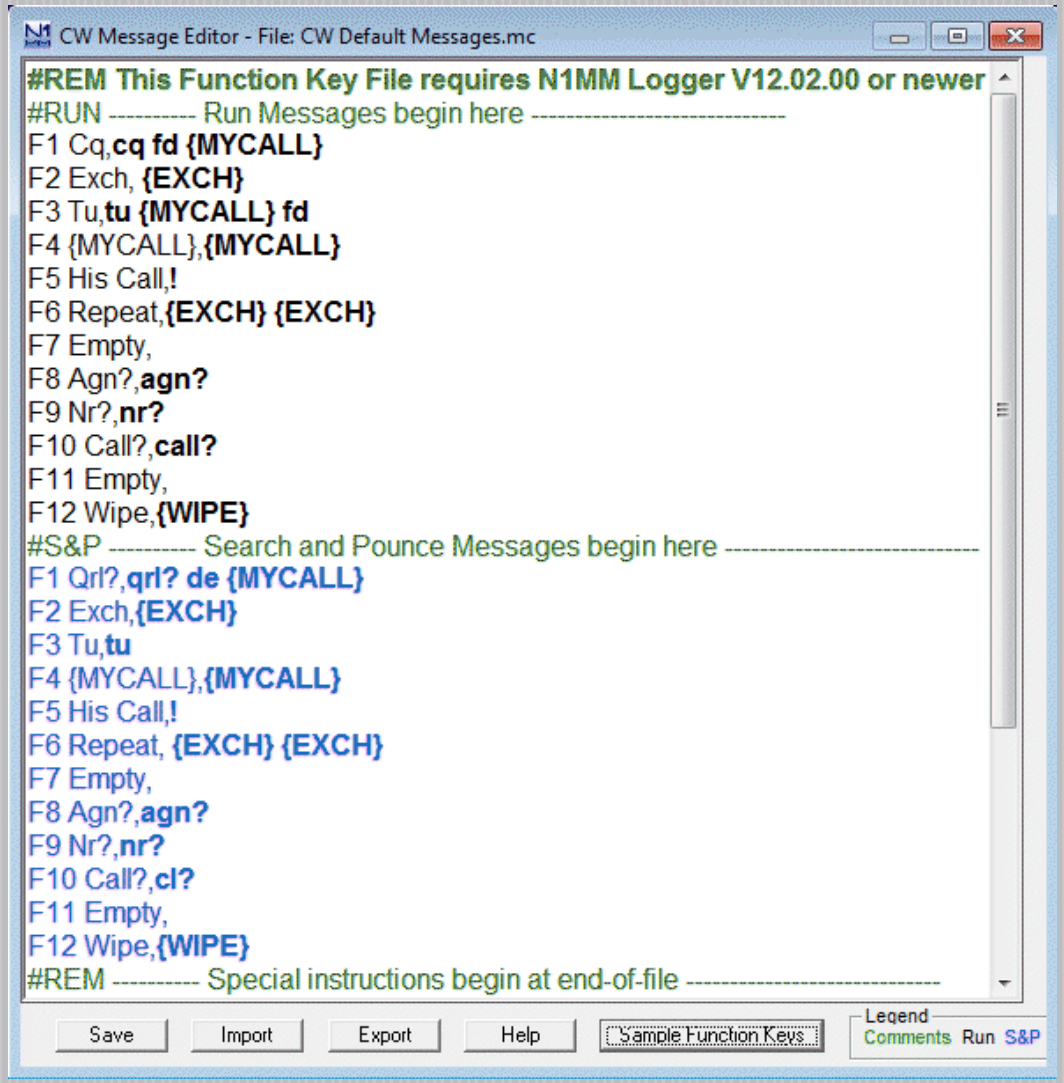
N1MM – CW Control

The **config** Pull-down shows where to define the function keys to send a CW Message. Notice the **ESM** line is checked.



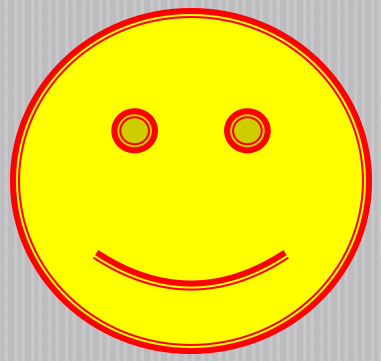
N1MM – CW Control

Screen shot of how the function keys might be defined



N1MM – SSB and RTTY

I am more than pleased
to let someone else
have some fun!



N1MM

- Download it.
- Install it.
- Configure it.
- Give it a test drive in a contest.
- IT's FREE!

73 de WA5POK/4

N1MM

Websites Referenced:

- **N1MM Contest Logging Software Home Page**
- http://n1mm.hamdocs.com/tiki-index.php?page=HomePage

- **N1MM Logger Full Install**
- http://n1mm.hamdocs.com/tiki-index.php?page=Full+Install

- **N1MM Latest Updates**
- http://n1mm.hamdocs.com/tiki-list_file_gallery.php?galleryId=15

N1MM

- **DX4win**
- http://www.dx4win.com/

- **Logger32**
- http://www.logger32.net/

- **Freeware Program for PSK31 and PSK63**
- http://www.digipan.net/

- **MMTTY BY JE3HHT**
- http://hamsoft.ca/pages/mmtty.php

N1MM

- **K1EL WinKey Product Page**
- http://www.k1el.com/

- **Signalink USB Interface**
- http://www.tigertronics.com/index.htm

- **West Mountain Radio – Rigblaster**
- http://www.westmountainradio.com/

- **FSK/CW Optically Isolated PC Interface**
- http://w3yy.com/fsk.htm

- **Schematic for Homebrew Interface**
- http://py1wx.files.wordpress.com/2011/04/sstv_psk_cw-interfeice.jpg