

# RemoteHams N1MM+ setup and CW operation. v1

## Introduction

This document outlines the setting up of N1MM+ to work through the clubs (VARC) IC 7300. Also in this document is an explanation of using N1MM's contesting ability for CW through the remote.

If you would like an explanation of the CW ability of RemoteHams without the use of N1MM+, then please see the document 'RemoteHams CW Operation', which you should find from the same source as this document.

## Setting up the RemoteHams client software

To be able to control the remote station we need to set up a virtual com port for N1MM+ to talk to. This is very simply done by going to the tab at the top of the client and turning on the Virtual K3 switch and then choosing a COM port. In the example shown here I have chosen COM port 3, but if your PC uses that COM port for something else then choose a different one.



When you come to set up the COM port in N1MM+ you will need to use the same port that you have chosen here.

To activate the virtual comport you will have to re-start the RemoteHams RCForb client again. You should see a small window as it starts telling you that the COM port is being started.

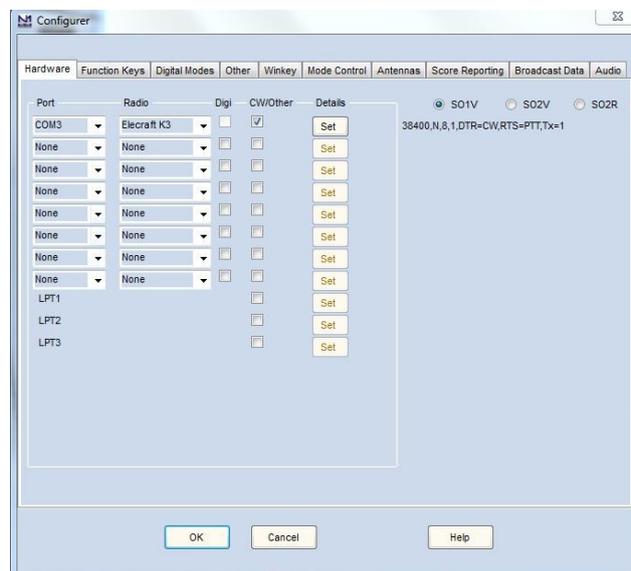
You can then minimise the RemoteHams client and start up N1MM+

## Setting up N1MM+

Again this is a simple process, but like with all these things it only needs to have one setting wrong and nothing will run!

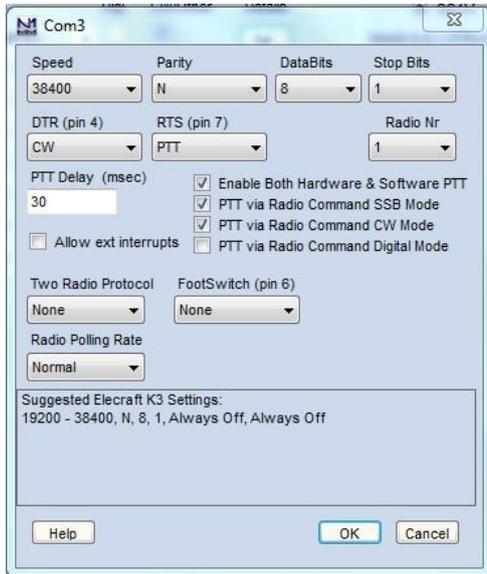
On starting N1MM+, go to the Config tab and select 'Configure Ports, Mode Control, Audio, Other...'

From the 'Port' dropdown choose the COM port that you assigned in the client software (in my case COM 3).



Then in the 'Radio' dropdown choose 'ElecraftK3' and then tick the CW/Other box.

Then under 'Details' click the 'Set' button, you will then see the following window.



As you see in the image to the left, set the Speed to 38400, the Parity to N, DataBits to 8, Stop Bits to 1, DTR (pin 4) to CW, RTS (pin7) to PTT, Radio to Nr 1, PTT Delay to 30 msec and tick the first three PTT boxes.

Then 'OK' to close and save the settings and then 'OK' to close the 'Configurer' window.

NOTE: On my machine when I go to close the configurer window I get a series of error messages basically telling me of problems with the External TCPIP and associated things – whatever they are! But the system still works, so at present I am ignoring that set of messages and just pressing OK until they have all gone. Maybe someone can help me understand what that is about?!

You may find that after doing those settings it all just works. For me it didn't, so I closed the PC down and went and did something else! When I returned and started it all up again I found that everything was working, so you might find a restart will get it going.

### **Using CW with N1MM+**

Actually there is basically nothing to write here! You just use N1MM as you normally would. You will find that the Bandmap will show the correct frequency and clicking around on that will tune the remote accordingly.

All the F keys will work and the CW speed will adjust correctly from the interface as usual.

It would be good to see if we could get the logging to network across a number of operators and then we could run G3V between us!

### **Conclusion**

It's all still early days playing with this, so the above is subject to change and update. Any other thoughts and additions are welcome.

I have started looking and have been successful with the Digimodes and also SSB, but need to work out how to set up a foot switch for the SSB side of things. I will write a separate document for those modes as it is more complex with audio settings.