Setting up the DigiMaster USB To RS232 serial CAT Interface.

Plug the USB cable into any of your PC's powered USB sockets.

Turn on the DigiMaster USB to RS232 serial CAT Interface. The green led will light.
If this is the first time that you have attached the interface to you PC's USB port then Windows will detect the new device automatically. Depending upon your version of Windows, Windows may or may not install the drivers automatically. At the bottom right hand side of the screen Windows will inform you that a new device has been detected.
If Windows prompts you for the driver then it can be downloaded from the website (Driver page) or you can allow Windows to search the net for the latest driver (recommended).
If you download the driver from the website, then it will need to be unzipped and saving on your PC before you tell Windows where to find it.
If Windows has automatically installed the driver then it Windows will tell you that the device has been installed and is ready to use.
Full manufacturer's Instructions for installing the driver (FTDI driver) are available on the driver download page should you need to install the drivers manually.
If you don't know what comport Windows has allocated to the DigiMaster RS232 serial CAT interface use the Device Manager guide to determine the new comport. If you don't know how to use device manager then use the guide to using device manager.
When Windows has installed the driver, whenever you turn the interface on you will get the USB ack sound from the PC, the green led will light, followed by the red and yellow led's will momentarily flicker.
When the driver has been installed and you have determined the comport assigned by Windows, you can then use the DigiMaster USB RS232 serial CAT Interface. Windows may provide a different virtual comport for a different USB sockets, if you move the connection your software settings may need to be changed.
Before starting HRD, your DigiMaster USB RS232 serial CAT Interface MUST be turned on.
And whenever you turn on the interface, you will get the USB ack sound from the PC.
You can now start HRD.
To "connect" your radio to HRD select your radio manufacturer from the drop down list.
Then select your radio type, if your model is not shown then HRD does not support your radio you will need to find software that does. When you have a CAT connection the green led will be on, and the red and yellow led's will provide an indication of data being transferred via the interface.
Select the comport provided by Windows for the DigiMaster USB RS232 serial CAT interface.
Select the same baudrate that has been set on your radio. (Consult your radio manual if you are unsure).
Whether or not you need to select RTS and / or DTR depends on your radio model.
Click on "connect".
If all your parameters are set correctly HRD CAT program will "connect" to your radio and you will have software control over it.

REMEMBER: Your radio may have options that need to be set up via the radios menu system, eg, baudrate.

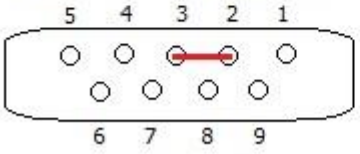
The functionality provided by HRD and the interface is entirely dependent upon your radio model, generally, the more modern the radio the more CAT functionality it will have.
If you wish to operate DATA modes then you would also need a DATA interface.

To test your DigiMaster USB RS232 Serial CAT Interface.
Download the loopback program. Unzip the program and save it on your PC. The run it.
Or, run it from across the internet.
Remove ALL cables from the DigiMaster USB RS232 CAT Interface EXCEPT the USB cable.
Turn the interface ON.
Run the loopback test program.
If the interface is functioning correctly, the loopback test program will identify the comport used by the DigiMaster USB RS232 serial CAT Interface and report that a ZLP interface is connected.
If the test is successful and you still cannot get a connection, then your parameters will most likely be wrong.

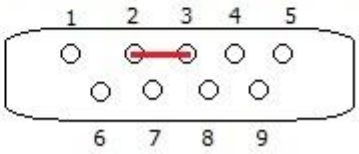
You can test the DigiMaster USB - Serial interface by removing ALL leads from the interface EXCEPT the USB lead. Run the test and it should report: "Com[x] appears to be a ZLP cable".. Done, the interface is working.
To test the lead you can simply meter it.
You can also plug the lead into the interface and run the same test with a loopback plug fitted to the end of the CAT connecting lead. A good result will give the same results as above. Do it without the loopback and it should fail.
Thats it, interface fully tested, lead fully tested.

Simple loopback plug to test the lead
simply connect pins 2 and 3 togther to make the loopback plug

For "T1" type lead
9 pin D type plug required - plug has pins



For "T2" type lead
9 pin D type socket required (has sockets)



View is of the REAR of the connectors and is exactly what you would see when making the links