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## UGM/UGL Modem configuration and step-by-step set-up guide

This instruction manual is designed to initialise the U.S Robotics Fax Modem for connection to the UGM/UGL. Before we can proceed with the instructions you will need to have the following in front of you.

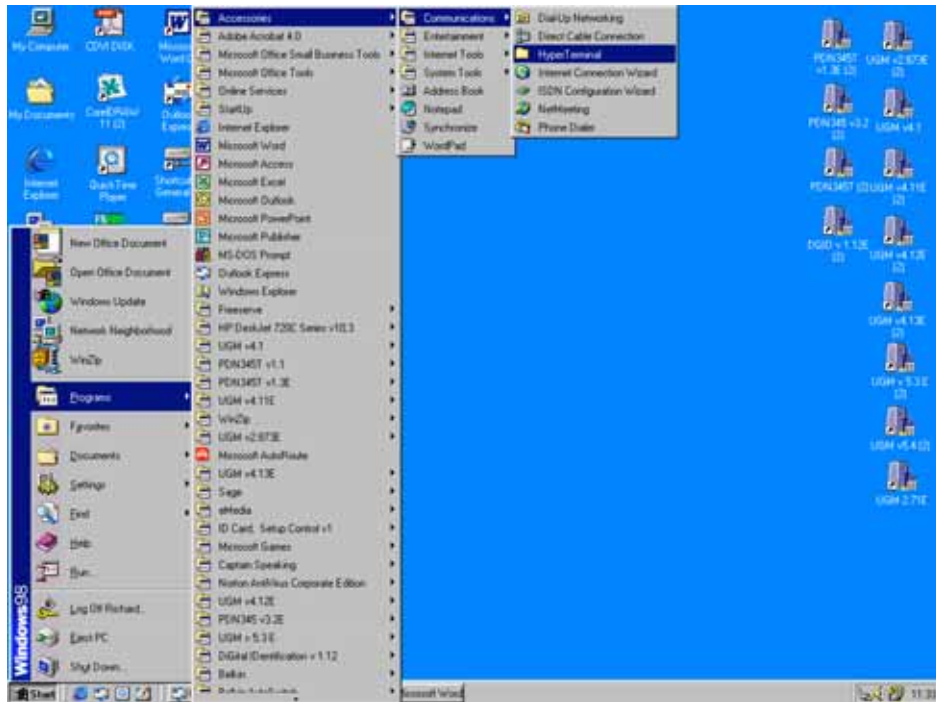
1. US. Robotics 56k Fax Modem (available from any computer shop)
2. CDV-MODEM adapter cable (refer to drawing at page 10 or available from your supplier )
3. Hyper Terminal (on your Windows operating system)
4. Personal Computer (See P.C Requirements page at the back of this manual which must have its own internal Modem)



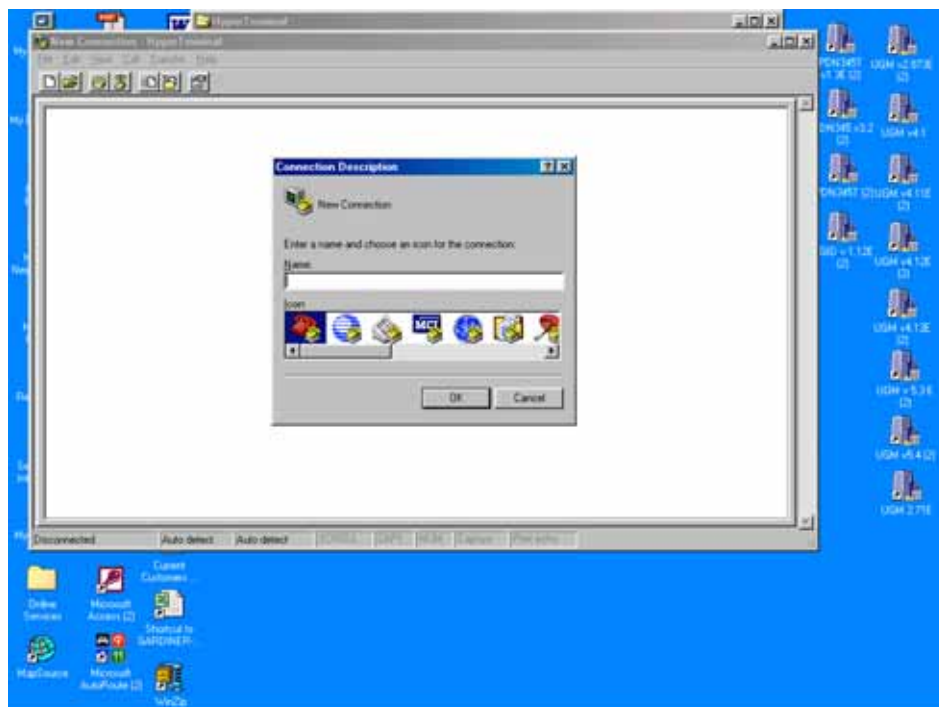
Before we can start initialising the Modem and Hyper terminal software, you need to ensure that the device you are going to connect to has got a dedicated analogue Telephone line available.

## **HYPER TERMINAL PROGRAMMING**

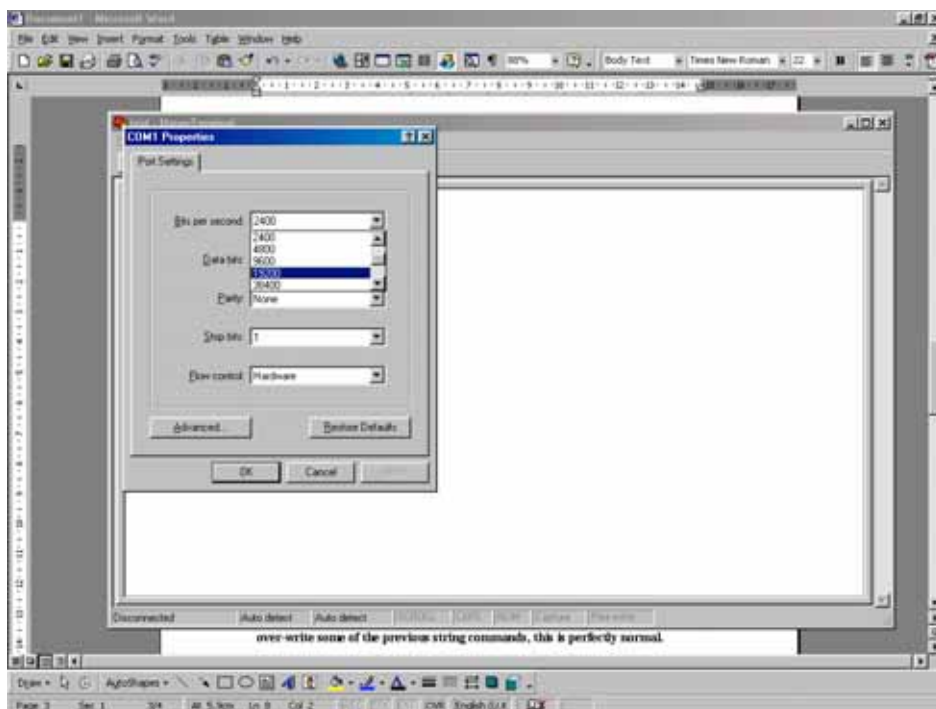
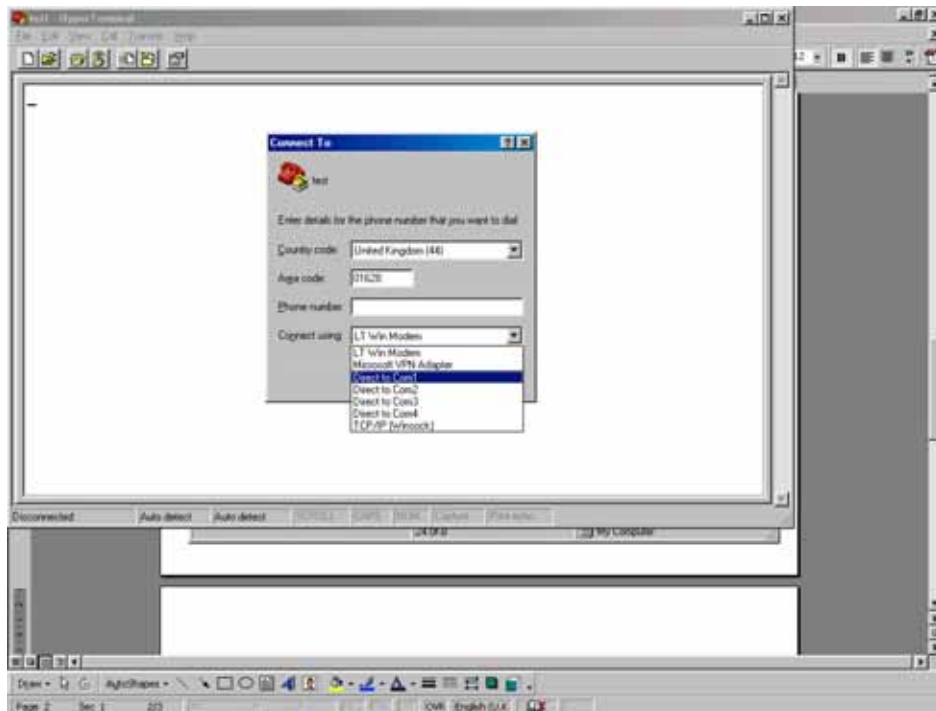
**Run Hyper Terminal from (Start, Programs, Accessories, Communication and Hyper Terminal**



**Once you have entered the Hyper Terminal Program, it will ask you for a name for the connection, enter the name and press “OK”**

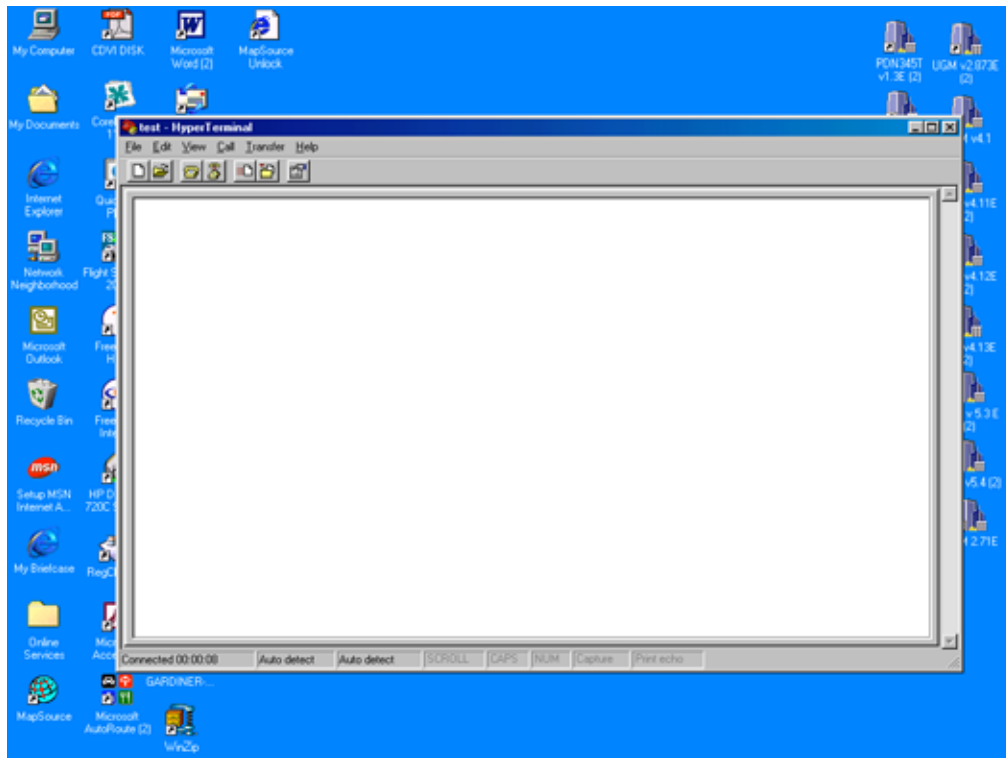


The next screen will show “Connect to” and the cursor will be flashing in Phone number. Click on the “Connect using” down arrow and select a com port on the back of your computer, the most common would be “Com 1” then click “OK” the next screen is the configuration, this is where you need to alter the Bits per second to 19200 and click the “ok” button.



We now need to plug the U.S Robotic Modem using the cable and mains adapter supplied, and connect it to Com port 1 on the back of your computer.

You will then have a blank page in front of you with a cursor flashing at the top left. You now need to enter the following string, if you do not see anything displayed on the page, the connection to the modem may not be correct, if this is the case you will need to start from the beginning by entering a connection name etc. Another thing you will notice is when you get to the end of the string you will over-write some of the previous string commands, this is perfectly normal.



**AT&F0**  
**ATZ0**  
**AT&F0**  
**ATS0=2**  
**AT&B0**  
**AT&D0**  
**AT&H0**  
**AT&I0**  
**AT&K1**  
**AT&M4**  
**AT&N0**  
**AT&P0**  
**AT&R2**  
**AT&U0**  
**ATQ1**  
**AT&W1**  
**ATY1**

Once the above has been entered, click on "File" and save.

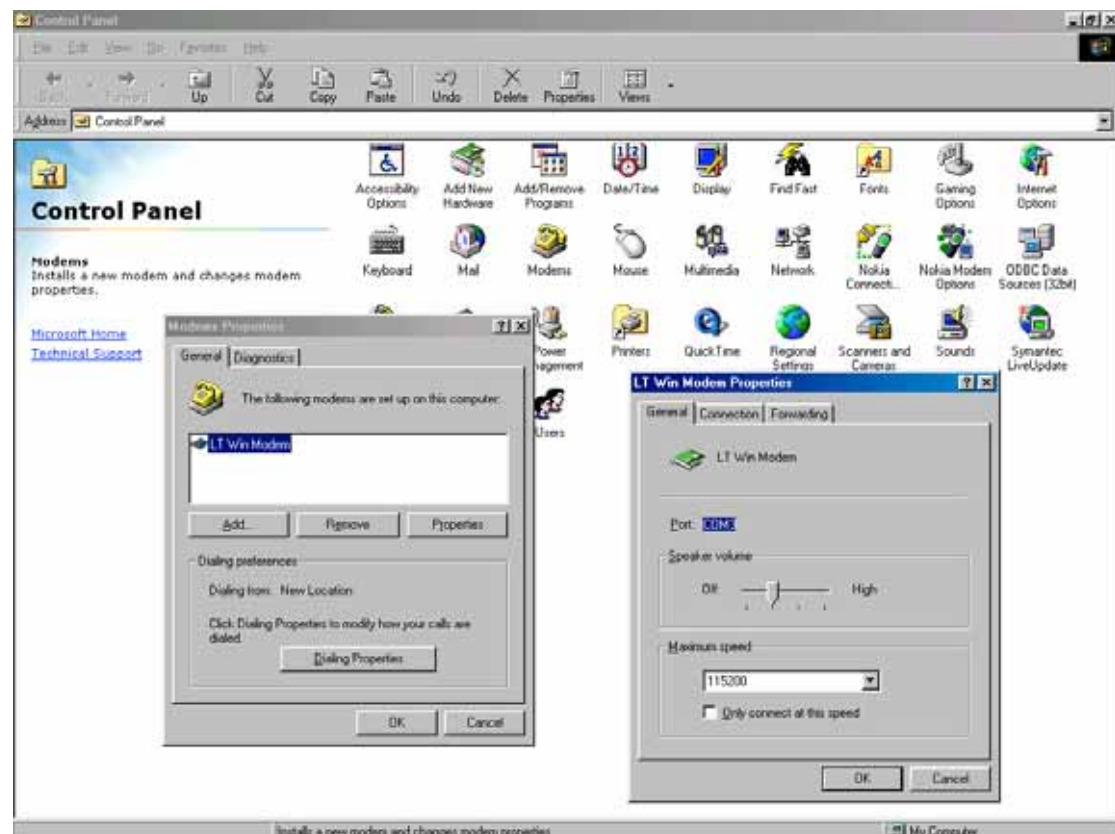
We can now disconnect the Modem from the Com port of the Computer and plug it into the UGM/UGL using the CDV-MODEM cable, and not forgetting the B.T connection and mains adapter.

## C.D.V SOFTWARE

This next step involves the CDV Software and how we are going to connect to the device via the telephone line.

Normally we would directly connect to the device with a 9 way Serial cable, which would have been supplied with the original product software. As we are connecting via the Internal Modem of the Computer, we need to find out which Com port that Modem is connected to. Following the procedure listed below does this.

1. Click on Start, Control Panel and then Modems
2. High light your internal modem and select properties



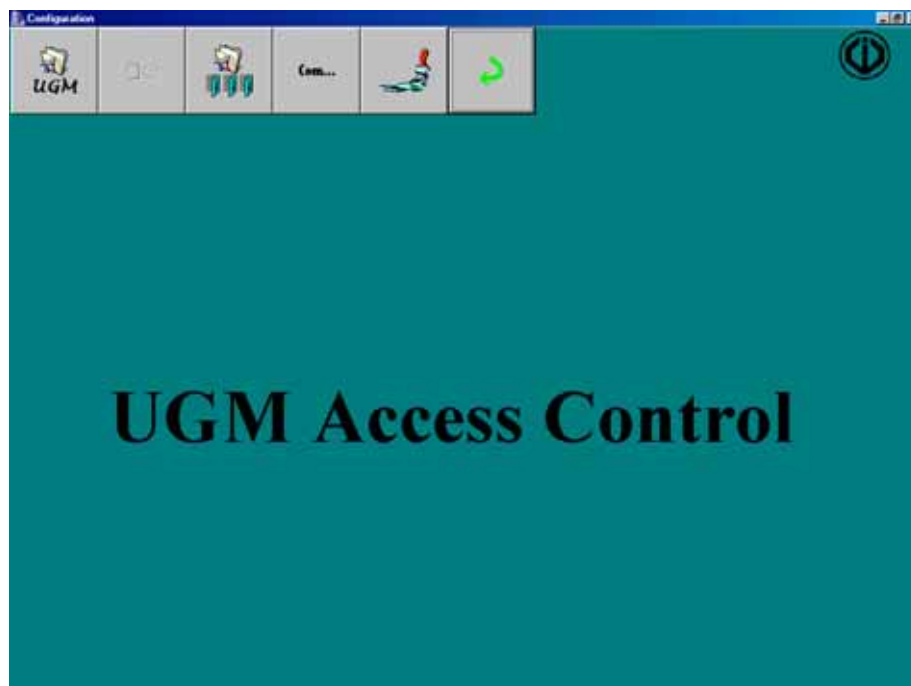
On the Properties page is the Com port that your internal Modem is connected to. You will need to remember this for future use when connecting to the device via the devices software.

As an example, we are going to show you what needs to be done if a Modem is Connected to the UGM/UGL, as stated previously you would normally connect directly via the Com port on the computer, all we are doing now is connecting via the Internal Modem which remember is connected to Com port 3 (see previous page)

Select the site in the UGM software, for example Test and click “ok” then enter your User password e.g. 12345 and “ok”

The system will then ask if you would like to connect to the UGM, for this example we will click “NO” as we want to check what com port is allocated in the Device software.

Enter the Site Access Code e.g. 12345, we are now in the main screen of the UGM software, we now need to check our com port setting, which is in Configuration (third icon from the right) you will then see the following.



Click on “com...” and it will then display the current COM port setting, remember that our internal Modem is connected to COM port 3. Select COM port 3 and save by pressing on the Floppy Disk icon, and then exit the software by clicking on the green arrow, and then the Door Open icon in the Main menu.

**We are now ready to connect to the UGM, go back into the software, and select the site and then enter the user password. It will then ask you “Connect to UGM, Yes or NO”**

**Click “YES” it will then display the message below**



**Click on “Modem” and the screen will display an input for a telephone number, this is the number of the Analogue line. (Number + STD)**



Once you click “ok” the Modem will start dialling, after a short while, the message “Site Access Code” will be displayed, enter the code for that site, and you will find that you are connected to the UGM and able to perform everything as if you were directly connected. One easy way to ensure that you are connected is to click on the Configuration icon and if the “Clock and Calendar” is highlighted, you know you are working On-line.

If by any chance the Modem will not connect, it may be due to the connection speed in the UGM/UGL software, if this is the case you will need to contact C.D.V on +331 48910102 or at [sav@cdvi.com](mailto:sav@cdvi.com) for further technical advice.

# P.C Requirements for the UGL & UGM On-Line Systems

The UGL and UGM On-Line Access Control Systems require a P.C with the minimum requirements as listed below.

1. Pentium Processor (Recommended minimum Pentium 2) **Please note that Compaq P.C's do not work with the UGM/UGL Software, as the Bios setting cannot be altered. P.C's that use Celeron Processors also cannot be used on the UGM/UGL Software, as there is no Cache Memory available.**
2. 128 megabytes of RAM (Minimum)
3. 1GB Hard Drive
4. Windows 95,98, NT, ME, XP or 2000
5. 3.5" Floppy Drive
6. 1 Com Port (2 if connecting to UGM/UGL via Modem)
7. 1 Parallel Printer Port or USB Port (If Printer is to be connected)
8. 56K modem (If connecting to UGM/UGL via Telephone Network)

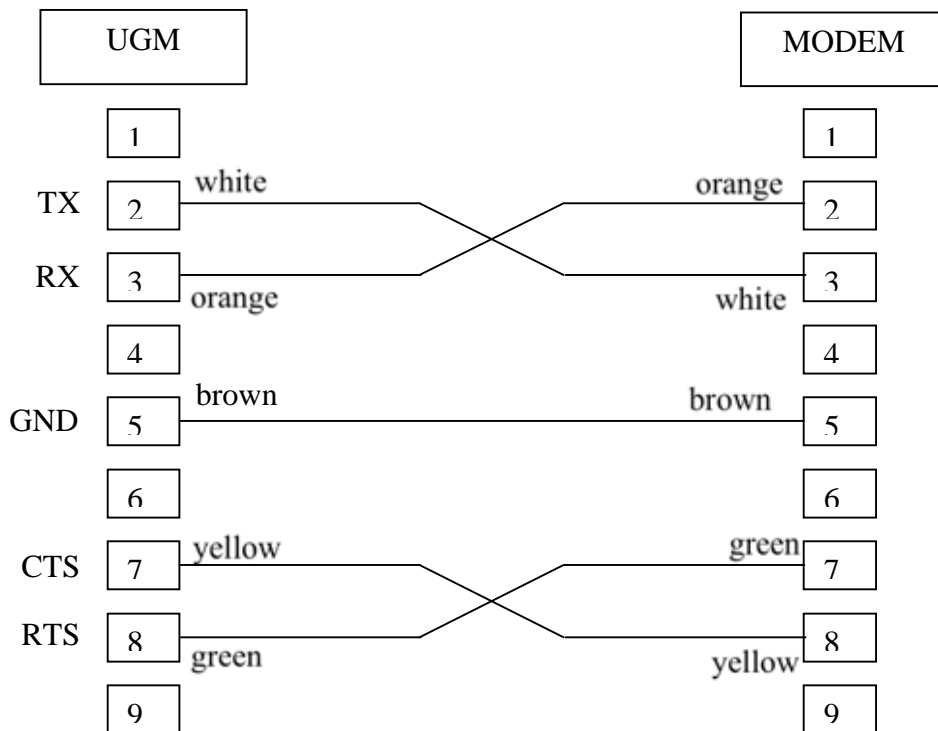
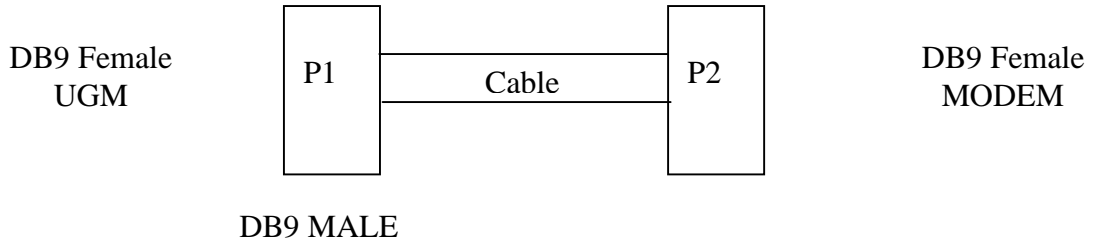
It is strongly recommended that the P.C be operated in a Stand-Alone capacity, as P.C's that are connected to the Internet and Networks are liable to be compromised unless adequate Virus protection and password protection is used.

The UGM/UGL is capable of being connected to a Network, via a Serial Adapter, which is available from your installer. (Connection must be performed by an experienced I.T Technician).

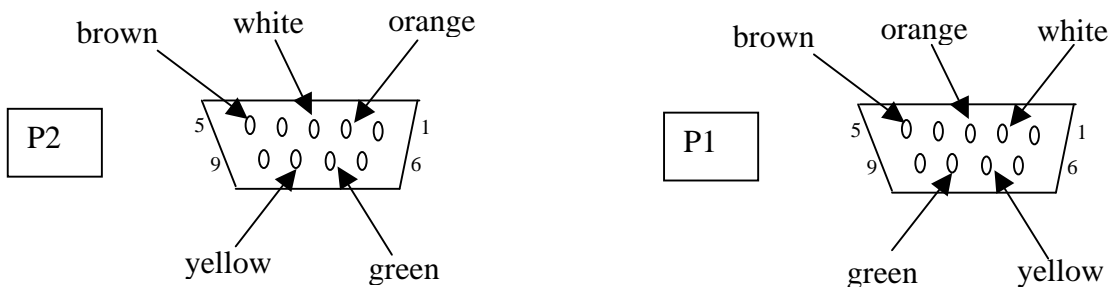
The Windows operating Systems will all work with the UGM/UGL Software, but when using the On-Line System with a Modem, we recommend using a P.C with Windows 98 as Hyper Terminal is used for the connection. Other Operating Systems like XP and ME, fix their Com ports in Hyper Terminal.

Please Note: We have experienced problems with Windows NT working with our UGM/UGL software as user access right may be restricted; some features within the UGM/UGL software may not operate correctly.

# CABLE SPECIFICATION



DB9 back side:



CDVI reserves the right to change specifications with out prior notice  
Above stated is without Prejudice Dated 01.07.02