

Setting up of Protocols for Network for Windows XP

To setup your Protocols and IP Address

- Right Click on “Network Neighbourhood”
- Left Click on “Properties”
- You will see a icon called “Local Area Connection”
- Double Click on “Local Area Connection”
- Click on “Properties”
- You will see the following connections :-
 - o Client for Microsoft Networks
 - o File and Printer Sharing for Microsoft Networks
 - o QoS Packet Scheduler
 - o Internet Protocol (TCP/IP)
- Double Click on “Internet Protocol (TCP/IP)”
- Click on “Use the following IP Address”
- In the IP Address field put in your IP Address ie 10.10.10.1 (each machine will have a unique ip address)
- In the Subnet Mask field put in :- 255.255.255.0
- If you have a dedicated server put in the default gateway field your servers ip address ie 10.10.10.100
- Leave all the rest of the options as default.
- Click on OK and OK again.
- Click on Close.
- Now close all your windows until you get back to the desktop.

To setup your Workgroup or Domain name and your PC name

- Right click on My Computer.
- Left click on Properties.
- You will see 7 tags, click on Computer Name.
- Halfway down you will see a button called CHANGE.
- Click on Change.
- Give the Computer Name a unique name ie Users Name, etc.
- Select the Member Of :- DOMAIN or WORKGROUP
 - o In most cases you would just select the Workgroup option and call it WORKGROUP.
- Click on OK and OK again.

You should be able now to see all the users in the network workgroup.

- To do this you double click on My Network Places.
 - Then click on View Workgroup Computers on the left hand side.
 - You should now see all the users of the network.
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Fault Finding - If you do not see the other computers

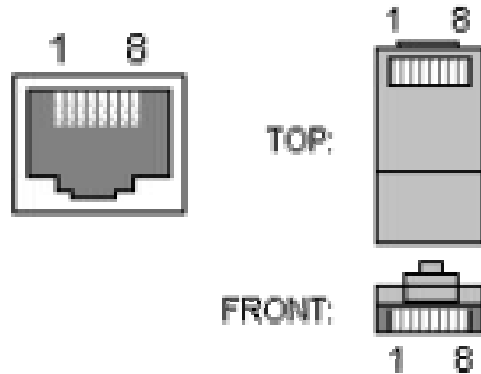
- If you **DO NOT SEE THE OTHER COMPUTERS** then check to see the following :-
 - o Check your protocols as shown above
- If all of the above is correct check to see if your HUB is switched on and working.

Also check your cables and test them if they are wired correctly.

- Straight Through (One to One Connection)
 - o I.e. Fly Leads are wired 1-1, 2-2, 3-3, 4-4, 5-5, 6-6, 7-7, 8-8. (In other words they are wired one to one. **NB!!!! Check that your colour codes are CORRECT.**

- Colour Codes are as follows :-

- 1 – Orange / White → 1
- 2 – Orange → 2
- 3 – Green / White → 3
- 4 – Blue → 4
- 5 – Blue / White → 5
- 6 – Green → 6
- 7 – Brown / White → 7
- 8 – Brown → 8



- Cross Over
 - o I.e. Fly Leads are wired 1-3, 2-6, 3-1, 4-4, 5-5, 6-2, 7-7, 8-8. (In other words they are wired one to one. **NB!!!! Check that your colour codes are CORRECT.**

- Colour Codes are as follows :-

- 1 – Orange / White → 3
- 2 – Orange → 6
- 3 – Green / White → 1
- 4 – Blue → 4
- 5 – Blue / White → 5
- 6 – Green → 2
- 7 – Brown / White → 7
- 8 – Brown → 8