Configuring TCP/IP Networking for Windows XP:

Configuration setup -

Point to and click on ‘Start’ (the pop up Start Menu appears)

Next point to and click on ‘Control Panel’ (the Control Panel window appears).

Point to ‘Network and Internet Connections’ (the arrow changes to a hand like this)
Click on the 'Network and Internet Connections' link

The 'Network and Internet Connections' window appears
In the image below, you will then be required to either Pick a task or Pick a Control Panel Icon.

As shown, click on the 'Network Connections' link.
GLASS MILE  
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Point to the icon as shown in the image above

Right-click and click/select ‘Properties’ from the quick menu that pops up.

The Network Properties Dialog box appears. This will have a title that will say ‘Local Area Connection Properties’ at the top and there will be three tab options to choose from. The first visible tab is the ‘General’ tab.

It contains 3 features: Clients, Protocols and Services.
The listing shows the networking client type(s) currently being used by the system, it shows the services currently being used by the system and then shows the networking/telephony protocol types currently being used by the system. It also shows installed connectivity devices.

Client features have a computer icon & start with ‘Client.’ For example – Client for Microsoft …

Service features have a computer icon with a hand under it. For example – File and Printer sharing for …

Protocol features have a gray & yellow icon (looks like 2 pipes connected at a yellow joint). The focus for now is on the Protocol feature.

Point or scroll down and then point to the TCP/IP protocol entry make sure there is a ✓ as shown. This is the protocol or one of the protocols associated with Network Interface Card (NIC) being used by the system. Which is shown in the section under the title ‘Connect using:

Point to and click on the ‘Properties’ button. The Internet Protocol (TCP/IP) Properties Dialog box appears.

There will be 2 tab options here. The General Tab will be the open screen (1st tab at the top, just below the title). Make sure that the Obtain IP Address automatically option (radio button) is selected as shown above.

Click OK twice
Configuration test - 

Point to the ‘Start’ button on the Task bar at the bottom of the desktop screen.

Click on it. The Start Menu pops up.

From this menu point to All Programs. A new menu pops up.

From here point to Accessories and then click/select the ‘Command Prompt’ menu option from the menu that pops up.

The DOS Prompt/Command Prompt Window appears.
The Command Prompt/DOS Window appears. You are required to type commands here in order to obtain results.

This is the location where the necessary information about the IP Address being used by the system and the Network Interface Card ID information can be found. This is also where the assigned IP Address is tested to see if it is indeed valid.

To do this, type `ipconfig /all` and press the 'Enter' key on the keyboard.

```
C:\>ipconfig /all
```

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WINDBWS XP
A result similar to the following is obtained:

The Test -

To test for IP Address validity, in the Command prompt/DOS window, do the following:

1. Type the command `ipconfig /release` and press the 'Enter' key on the keyboard.
2. Then type `ipconfig /all` and press the 'Enter' key on the keyboard. The IP Address disappears.

Make sure an IP Address like this one shows up right here.

This result is displayed.

The IP Address looks like this now.
Then type ‘ipconfig /renew’ and press the ‘Enter’ key on the keyboard. The IP Address reappears.

If the IP Address reappears (it should reappear), the test is complete. If it does not reappear, call technical support.

Close the Command prompt/DOS window by clicking the ‘X’ in the top right corner or type the command ‘Exit’ and press the ‘Enter’ key on the keyboard.