Configuring TCP/IP Networking for Windows 2000:

Configuration setup -

Point to and then right-click on the 'My Network Places' icon on the desktop (see image below).

Click/Select 'Properties' from the quick menu that appears.
The Network Properties Dialog box appears. This will have a title that will say ‘Local Area Connection’ at the top and there will be one tab option that says ‘General’. It features 3 components: 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.

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 print sharing for …

Protocol features have a gray & yellow icon (looks like 2 pipes connected at a yellow joint) & it will also list the type of protocol that has been installed on the system. For example – Internet Protocol (TCP/IP)

All the active components will have check marks in their check boxes. The focus for now is on the Protocol feature. Specifically the TCP/IP protocol.
Point to the name ‘Internet Protocol (TCP/IP)’ entry and select it by a single click of the mouse (be sure not to click in the check box, for that action would uncheck the TCP/IP component). This will make the TCP/IP protocol component the point of concern for the steps that to be executed next.

Point to and click on the ‘Properties’ button (or just double-click the ‘Internet Protocol (TCP/IP)’)

The ‘Internet Protocol (TCP/IP)’ properties dialog box appears

Make sure the ‘Obtain an IP address automatically’ option is selected

Also make sure the ‘Obtain DNS server address automatically’ option is selected

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 and click/select the 'Run...' menu option. The Run Dialog box appears.
In the text box field (beside the word ‘Open:’) type cmd and click Ok

![Command Prompt/DOS Window](image)

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
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:

Type the command `ipconfig /release` and press the 'Enter' key on the keyboard.

Then type `ipconfig /all` and press the 'Enter' key on the keyboard. The IP Address disappears.
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.