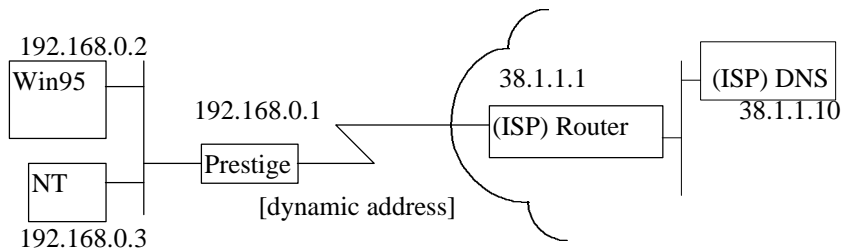


Last modified: June 10, 1997

Internet Access for Win95/NT with DHCP and SUA (NAT)



Note: The IP address shown above are examples only!

This configuration note explains how to set up a Windows 95 and/or NT on your network to use the Prestige to connect to the Internet via an ISP.

In this configuration, the user set the Ethernet IP address of Win95/NT to "Obtain an IP address automatically", and the user has one IP address from the ISP or user has one account with ISP that IP will be dynamically assigned to the user/Prestige when the connection is up.

Notice that with this configuration, all stations on the network will be able to access the Internet, but they will be 'hidden' from the outside. That is, from the ISP's point of view, they will only be able to 'see' the single IP address (in this case, the one dynamically assigned). There will be two items that you need to set up.

I. Windows 95 Setup

To set up the Windows 95, you will need to set the following parameters for the 'TCP/IP property':

- **IP Address** - Set to "Obtain an IP address automatically".
- **DNS (Domain Name Server) Configuration** - Just enable the DNS, and don't need to enter the address that your ISP gave you. (We will enter this in Prestige later.)
- **Gateway** - Leave the gateway table blank.

The detail procedure for configuring these parameters for your Windows 95/NT, please refer to the technical notes:

- Windows 95/NT - see section 'Internet Access'

II. Prestige Setup

In order to configure your Prestige for this application, make sure you have the following menus configured correctly.

Note that the fields are indicated in **bold** type.

Menu 1:

```
Menu 1 - General Setup

System Name= P2864I
Location= San Jose
Contact Person's Name= CC

Route IP= Yes
Route IPX= No
Bridge= No

Press ENTER to Confirm or ESC to Cancel:
```

- In menu 1, make sure the **Route IP** field is set to 'Yes'.

Menu 2:

```
Menu 2 - ISDN Setup

Switch Type= Northern Telecom Custom

B Channel Usage= Switch/Switch
1st Phone #= 5551212
    SPID #= 408555121200
    Analog Call= Modem
2nd Phone #= 5551213
    SPID #= 408555121300
    Analog Call= Voice

Press ENTER to Confirm or ESC to Cancel:
```

- In menu 2, set your switch type, phone numbers, and SPIDs (if necessary).
- After saving this menu, you will be asked if you want to perform an ISDN connection test. Select 'Yes' to perform the test. If the test fails, refer to the User's Manual Troubleshooting section for corrective action.

Menu 3.2:

```
Menu 3.2 - TCP/IP Ethernet Setup

DHCP Setup:
  DHCP= Server
  Client IP Pool Starting Address= 192.168.0.1
  Size of Client IP Pool= 20
  Primary DNS Server= 38.1.1.10
  Secondary DNS Server= 0.0.0.0

TCP/IP Setup:
  IP Address= 192.168.0.1
  IP Subnet Mask= 255.255.255.0
  RIP Direction= Both

Press ENTER to Confirm or ESC to Cancel:
```

- In menu 3.2, the **DHCP** field must be set to **Server**.
- Use the default value for 'Client IP Pool Starting Address', which is 192.168.0.1.
- If you have less than 20 Win95/NT connect to your network, you can leave the 'Size of Client IP Pool' as 20. If you have more, than set it to 32 (Maximum). Note, the first IP address will be use by Prestige, so you have 31 for your Win95/NTs.
- If you select 20 as the pool size, then Prestige will assign IP address from 192.168.0.2 to 192.168.0.20 to the Win95/NT that request for an IP address.
- The **Primary DNS Server** must be set the DNS server's IP address that your ISP gave you. In this example, this IP address is 38.1.1.10. Note, this is not default value, and you must get it from your ISP. If your ISP gave you a second DNS IP address, you can enter in Secondary DNS Server field.
- In menu 3.2 TCP/IP Setup, leave the IP address as default 192.168.0.1. (This is very important that you must have the IP address in the same network as what you've enter in 'Client IP Pool Starting Address'. Just leave it as default, then it should work fine.)

Menu 4:

```
Menu 4 - Internet Access Setup

ISP's Name= My_ISP
ISP IP Addr= 38.1.1.1
Pri Phone #= 5551212
Sec Phone #=
My Login= username
My Password= *****
Single User Account= Yes
  IP Addr= 0.0.0.0
  Server IP Addr= 0.0.0.0
Telco Option:
  Transfer Type= 64K

Press ENTER to Confirm or ESC to Cancel:
```

- The 'ISP IP Addr' field should be set to the ISP Gateway address. This address is supplied by your ISP. You can leave this blank if you don't know ISP's IP address.

- **Pri Phone #** is the number your Prestige has to dial in order to access your ISP. This number is supplied by your ISP.
- **My Login** and **My Password** is the login information provided by your ISP.
- Since you have a single user Internet account, **Single User Account** should be set to 'Yes'.
- For the **IP Addr** field, since the IP address will be dynamically assigned, enter '0.0.0.0' or you can leave this field blank.
- **Server IP Addr** can leave blank. However, if you have an Web server, DNS server or other server application on your network then enter that server's IP address. (Note, it's better that this server has an static IP address not in the range of DHCP client IP address specified in Menu 3.2. This way, you can be sure that the server's IP address will not change.) If you don't know the application requires this IP address or not, then first leave it blank and try out other application, such as Internet browsing, and make sure that can work, and then try to enter this Server IP address with the IP address of the workstation/Win95 that the application is running in, if this application failed.
- After saving this menu, you will be asked if you want to perform an Internet connection test. Select 'Yes' to perform the test. If the test fails, refer to the User's Manual Troubleshooting section for corrective action.

Menu 11:

Menu 11 - Remote Node Setup

1. My_ISP (ISP)

2. _____

3. _____

4. _____

Enter Node # to Edit:

After you have configured and saved menu 4, you should see that you have created a remote node in menu 11. You can perform more advanced configuration options to this remote node in this menu. In addition, you can make manual calls to the Internet by using the **Manual Call** option in menu 24.4 and selecting the corresponding '(ISP)' remote node.