Last modified: July 31, 1996

Internet Access for Workstation/PC where ISP assigns a static single IP address

192.68.135.1
W/S
                192.68.135.3
                                                204.5.1.1
                                        ISP Gateway
DNS
        Prestige
                192.68.135.4
192.68.135.2
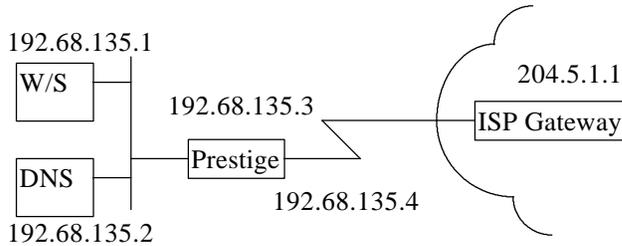
Note: The IP address shown above are examples only!

This configuration note explains how to set up a workstation on your network to use the Prestige to connect to the Internet via an ISP. In this configuration, the user has a single user Internet account which will assign one static IP address. 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, '192.68.134.1') There will be two items that you need to set up. These are the workstation and the Prestige.

I.   Workstation Setup

     To set up the workstation (W/S), you will need to set the following parameters:

     • **IP Address** - the IP address assigned to the workstation itself, in the above example,
       '192.68.135.1'
     • **Subnet Mask** - the subnet mask used for your network. Class C networks generally use a 24-
       bit netmask, '255.255.255.0'.
     • **DNS (Domain Name Server) Address** - the IP address of the server station on your network
       that acts as the DNS. In the above example, '192.68.135.2'. Please note that some networks
       will not have a DNS. In this situation, you will need to obtain the IP address of a remote DNS
       from the ISP.
     • **Default Gateway** - the IP address of the station or device on your network that acts as a
       default gateway. That is, any packets without an implicit route to their destination IP address
       will be routed to the default gateway. Since the Prestige is connecting to the Internet, the
       default gateway in this case would be the IP address of the Prestige, '192.68.135.3'.

     The procedure for configuring these parameters for your workstation may differ depending on the
     type of TCP/IP networking software you are using on your workstation. If you are unfamiliar with
     how to set these parameters, you can refer to the technical notes corresponding to your software.

     • Trumpet Winsock Windows 3.1 Workstation Setup - see section 'Internet Access'
     • Chameleon LAN Setup - see section 'Internet Access'
     • Windows 95/NT - see section 'Internet Access'
     • MacTCP Setup

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= N/A
            Route AppleTalk= N/A
            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

        IP Address= 192.68.135.3
        IP Subnet Mask= 255.255.255.0
        RIP Direction= Both

















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

- In menu 3.2, the **IP Address** and **IP Subnet Mask** field must be set correctly in order for your workstation to communicate with your Prestige.

Menu 4:

```
            Menu 4 - Internet Access Setup

        ISP's Name= My_ISP
        ISP IP Addr= 204.5.1.1
        Pri Phone #= 5551212
        Sec Phone #=
        My Login= username
        My Password= ********
        Single User Account= Yes
          IP Addr= 192.68.135.4
          Server IP Addr= 192.68.135.2
        Input Filter Sets=
        Output Filter Sets=
        Call Filter Sets=




        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.
- **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, enter the IP address that is statically assigned by your ISP. In our example, this address is '192.68.135.4'.
- **Server IP Addr** should have the IP address of the server station on your network. Please note that this configuration will only work if you have one server on the network. In our example, the DNS is our server, so we would enter '192.68.135.2'. If you do not have a server station on your network, just leave this field blank.

- 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.