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**Telecommuting/Remote Access W/S with a Dynamically Assigned IP Address to Route IP**

192.68.135.0/24

Prestige

W/S with TCP/IP — ISDN TA — 192.68.135.1    192.68.135.2

DNS

['204.5.1.1' - dynamic IP address]
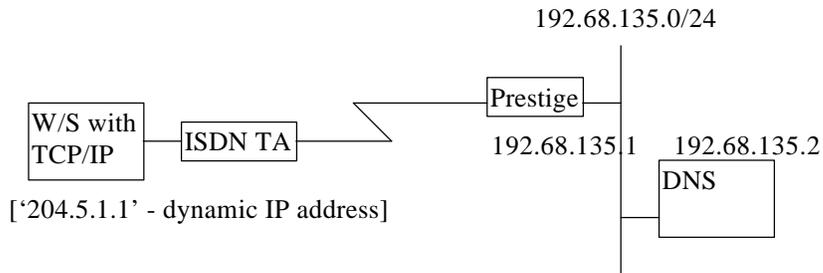
Note: The IP addresses shown above are examples only!

This configuration note explains how to set up a workstation using an ISDN terminal adapter (TA) to connect to the Prestige to route IP. In this configuration, the workstation has TCP/IP software installed. Once connected, the workstation will able to perform any TCP/IP applications on the network stations (e.g., FTP, telnet, etc.). 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 in this case will be dynamically assigned by the Prestige. Generally, you should simply enter '0.0.0.0' into the IP address field.
     • **DNS (Domain Name Server) Address** - the IP address of the server station on the remote network that acts as the DNS. In the above example, '192.68.135.2'.
     • **Default Gateway** - the IP address of the station or device on the remote network that acts as your default gateway. That is, any packets without an implicit route to their destination IP address will be routed to the default gateway. In our example, the Default Gateway would be the router you are connected to, '192.68.135.1'.

     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 WAN Setup - ISDN TA to Prestige 2864I
     • Chameleon WAN Setup - ISDN TA to Prestige 2864I
     • Windows 95/NT TCP/IP WAN
     • 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= 192.68.135.1
              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.

Menu 13:

```
                    Menu 13 - Default Dial-in Setup

    Telco Options:                      IP Address Supplied By:
      CLID Authen= None                   Dial-in User= No
                                          IP Pool= Yes
    PPP Options:                            IP Start Addr= 204.5.1.1
      Recv Authen= CHAP/PAP                 IP Count(1,2)= 1
      Mutual Authen= No
        PAP Login= N/A                  IPX Net Num. Supplied By:
        PAP Password= N/A                 IPX Pool= No
                                            IPX Start Net Num.= N/A
    Multiple Link Options:                  IPX Count(2,16)= N/A
      Max Trans Rate(Kbps)= 128
                                        Session Options:
                                          Input Filter Sets=
                                          Output Filter Sets=
                                          Idle Timeout= 300

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

- The **Recv Authen** field should be set to the type of authentication protocol you want to use.
- Since the workstation needs to have its IP address assigned, set the **IP Address Supplied By: Dial-in User** field to 'No'.
- Make sure that IP Pool is set to 'Yes'.
- In **IP Start Addr**, enter the IP address that you want to assign to the workstation when it dials in.  In our example, this would be '204.5.1.1'.
- Set **IP Count(1,2)** to '1'.

Menu 14:

```
                 Menu 14.1 - Edit Dial-in User

         User #: 1
         User Name= username
         Active= Yes
         Passwd= ******
         Callback= No
         Callback Phone #= N/A
         Callback Override= N/A
         Rem CLID=
         Idle Timeout= 300




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

- The **User Name** and **Passwd** fields should be set to the login user name and password that the workstation will provide when dialing in to the Prestige.
- Set the **Active** field to 'Yes'.