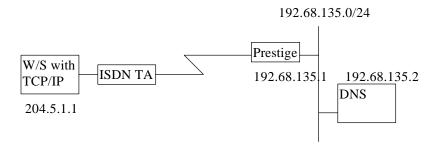Last modified: June 21, 1996

Telecommuting/Remote Access Workstation with a Static IP Address to Route IP

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 be 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 assigned to the workstation itself, in the above example, '204.5.1.1'
   • **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 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= Yes
                                           IP Pool= No
    PPP Options:                             IP Start Addr= N/A
      Recv Authen= CHAP/PAP                  IP Count(1,2)= N/A
      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 has statically assigned its own IP address, set the **IP Address Supplied By: Dial-in User** field to 'Yes'.

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'.