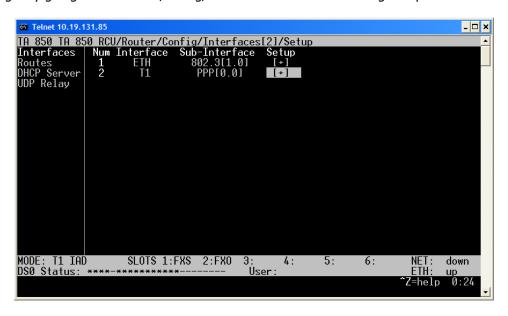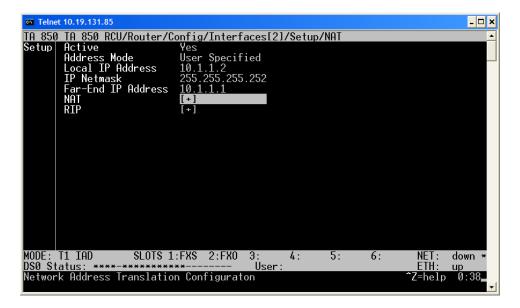Configuring Port Translation on the Total Access 6xx and 850

Port translation will allow you to forward traffic on a particular port to a private address. So, if you have a mail server or web server on your private network, you can configure the TA to forward the appropriate traffic to that server without exposing it to the public Internet.

1. Begin by going to the Router/Config/Interfaces menu and selecting Setup for the T1 interface.
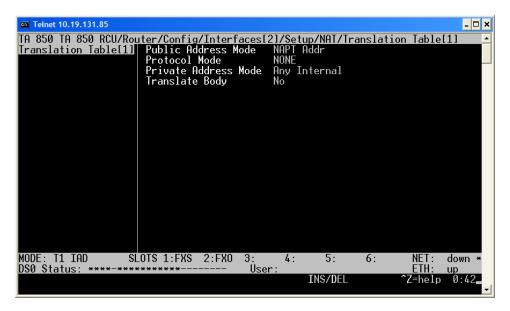

2. Select the NAT menu.

3. Change Port Translation to Enabled.

```
Telnet 10.19.131.85                                                    _ □ ×
TA 850 TA 850 RCU/Router/Config/Interfaces[2]/Setup/NAT/Port Translation    ▲
NAT  Port Translation                  Enabled
RIP  Public IP Address Mode            Interface
     Translate Body of Unmapped Ports  Disabled
     Translation Table                 [+]
     NAT View                          [+]
     NAPT Address                      0.0.0.0
     Entry Count                       0
     Entry Overflow Count              0




MODE: T1 IAD        SLOTS 1:FXS  2:FXO  3:     4:     5:     6:     NET:  down *
DS0 Status: ****-************--------    User:                      ETH:  up
Enable Port Translation for this interface           ^A=more ^Z=help  0:38
```

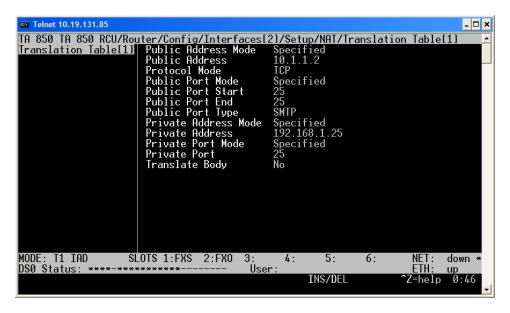4. Change Public IP Address Mode to Specified and enter the Public IP Address. This will most likely be the WAN address of your TA.

```
Telnet 10.19.131.85                                                    _ □ ×
TA 850 TA 850 RCU/Router/Config/Interfaces[2]/Setup/NAT/Public IP Address   ▲
NAT  Port Translation                  Enabled
RIP  Public IP Address Mode            Specified
     Public IP Address                 10.1.1.2
     Translate Body of Unmapped Ports  Disabled
     Translation Table                 [+]
     NAT View                          [+]
     NAPT Address                      10.1.1.2
     Entry Count                       0
     Entry Overflow Count              0




MODE: T1 IAD        SLOTS 1:FXS  2:FXO  3:     4:     5:     6:     NET:  down *
DS0 Status: ****-************--------    User:                      ETH:  up
IP Address used for translation                      ^A=more ^Z=help  0:41
```

5. Select Translation Table and hit ENTER. Right arrow over once to create a new translation entry. Hit ENTER to bring up that entry in a tabular display. Your screen should look like this:

```
 Telnet 10.19.131.85                                                    _ □ ×
TA 850 TA 850 RCU/Router/Config/Interfaces[2]/Setup/NAT/Translation Table[1] ▲
Translation Table[1] Public Address Mode    NAPT Addr
                     Protocol Mode          NONE
                     Private Address Mode   Any Internal
                     Translate Body         No

















MODE: T1 IAD       SLOTS 1:FXS  2:FXO  3:     4:     5:     6:     NET:  down *
DS0 Status: ****-************--------      User:                    ETH:  up
                                                   INS/DEL         ^Z=help  0:42▄
```

6. Now, all that is left to do is specify all the details of your translation. You'll need the public IP address, port, and private IP address of the server. You have to change certain modes on this screen to Specified to enable the right fields. This screen shows a completed translation to perform SMTP forwarding on port 25 to a mail server.

```
 Telnet 10.19.131.85                                                    _ □ ×
TA 850 TA 850 RCU/Router/Config/Interfaces[2]/Setup/NAT/Translation Table[1] ▲
Translation Table[1] Public Address Mode    Specified
                     Public Address         10.1.1.2
                     Protocol Mode          TCP
                     Public Port Mode       Specified
                     Public Port Start      25
                     Public Port End        25
                     Public Port Type       SMTP
                     Private Address Mode   Specified
                     Private Address        192.168.1.25
                     Private Port Mode      Specified
                     Private Port           25
                     Translate Body         No









MODE: T1 IAD       SLOTS 1:FXS  2:FXO  3:     4:     5:     6:     NET:  down *
DS0 Status: ****-************--------      User:                    ETH:  up
                                                   INS/DEL         ^Z=help  0:46
```

7. If you need to add more translations for other servers or applications, just go back to Step 5 and highlight the number 1 in the first column and hit I for Insert. Proceed as before with the specific options for the new translation.