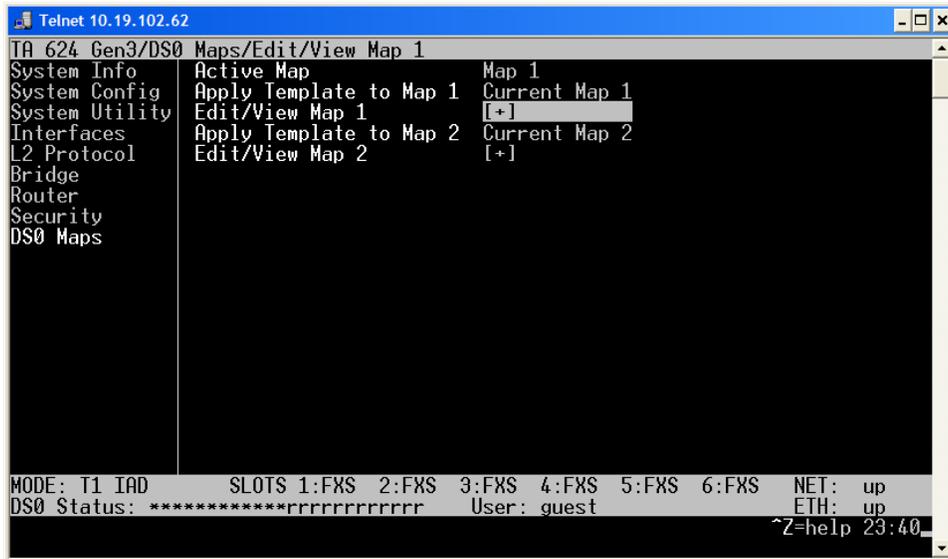


## TA 624 Configuration for 24 Channels of FXS Analog

If you plan on using a TA 624 as a channel bank only, you'll need to configure the DS0 map appropriately. In a nutshell, all 24 DS0s need to be mapped to the corresponding FXS ports. There are two ways to accomplish this task: 1) manually by editing the map or 2) applying the D4 template to the map. Let's take a look at both methods. For the sake of learning, we'll examine the manual method first.

### Manual DS0 assignment

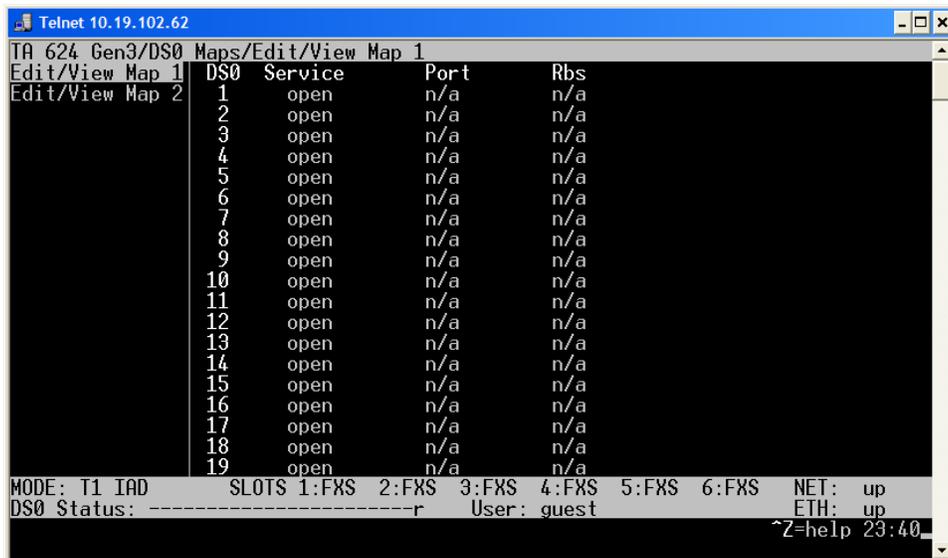
1. From the DS0 Maps menu, arrow over and down to Edit/View Map 1 and hit Enter.



```
Telnet 10.19.102.62
TA 624 Gen3/DS0 Maps/Edit/View Map 1
System Info      Active Map      Map 1
System Config    Apply Template to Map 1  Current Map 1
System Utility   Edit/View Map 1         [+
Interfaces        Apply Template to Map 2  Current Map 2
L2 Protocol      Edit/View Map 2         [+
Bridge
Router
Security
DS0 Maps

MODE: T1 IAD      SLOTS 1:FXS 2:FXS 3:FXS 4:FXS 5:FXS 6:FXS NET: up
DS0 Status: *****rrrrrrrrrrr User: guest      ETH: up
^Z=help 23:40
```

2. This is what the map will look like. It is virtually empty except for the 24<sup>th</sup> channel being mapped to the router.



```
Telnet 10.19.102.62
TA 624 Gen3/DS0 Maps/Edit/View Map 1
Edit/View Map 1 DS0 Service Port Rbs
Edit/View Map 2 1 open n/a n/a
2 open n/a n/a
3 open n/a n/a
4 open n/a n/a
5 open n/a n/a
6 open n/a n/a
7 open n/a n/a
8 open n/a n/a
9 open n/a n/a
10 open n/a n/a
11 open n/a n/a
12 open n/a n/a
13 open n/a n/a
14 open n/a n/a
15 open n/a n/a
16 open n/a n/a
17 open n/a n/a
18 open n/a n/a
19 open n/a n/a

MODE: T1 IAD      SLOTS 1:FXS 2:FXS 3:FXS 4:FXS 5:FXS 6:FXS NET: up
DS0 Status: -----r User: guest      ETH: up
^Z=help 23:40
```

- Arrow over to the Service column for the first DS0 and hit Enter. You'll see a little option box pop up giving you the available choices. Select FXS and hit Enter.

```

Telnet 10.19.102.62
TA 624 Gen3/DS0 Maps/Edit/View Map 1|1|1|/Service
Edit/View Map 1 DS0 Service Port Rbs
Edit/View Map 2 1 open n/a n/a
2 open n/a n/a
3 open n/a n/a
4 open n/a n/a
5 open n/a n/a
6 open n/a n/a
7 open n/a n/a
8 open n/a n/a
9 open n/a n/a
10 open n/a n/a
11 open n/a n/a
12 open n/a n/a
13 open n/a n/a
14 open n/a n/a
15 open n/a n/a
16 open n/a n/a
17 open n/a n/a
18 open n/a n/a
19 open n/a n/a
MODE: T1 IAD SLOTS 1:FXS 2:FXS 3:FXS 4:FXS 5:FXS 6:FXS NET: up
DS0 Status: -----r User: guest ETH: up
^Z=help 23:41
  
```

- Arrow over to the Port column for the first DS0 and hit Enter. For a basic configuration, you'll most likely want to align DS0 numbers with Port numbers. Select 1 and hit Enter.

```

Telnet 10.19.102.62
TA 624 Gen3/DS0 Maps/Edit/View Map 1|1|1|/Port
Edit/View Map 1 DS0 Service Port Rbs
Edit/View Map 2 1 FXS n/a n/a
2 open n/a n/a
3 open unassigned n/a
4 open 1 n/a
5 open 2 n/a
6 open 3 n/a
7 open 4 n/a
8 open 5 n/a
9 open 6 n/a
10 open 7 n/a
11 open 8 n/a
12 open 9 n/a
13 open 10 n/a
14 open 11 n/a
15 open 12 n/a
16 open 13 n/a
17 open 14 n/a
18 open 15 n/a
19 open n/a n/a
MODE: T1 IAD SLOTS 1:FXS 2:FXS 3:FXS 4:FXS 5:FXS 6:FXS NET: up *
DS0 Status: -----r User: guest ETH: up
^Z=help 23:41
  
```

- Now we need to copy these settings down to the remaining DS0s. Arrow back to the left to highlight the 1 in the DS0 column. Hit "C" for copy. Arrow down to DS0 2 and hit "P" for paste. Repeat this process for the remaining DS0s. When completed, your map should look like this.

```

Telnet 10.19.102.62
TA 624 Gen3/DS0 Maps/Edit/View Map 1[24]
Edit/View Map 1
Edit/View Map 2
DS0 Service Port Rbs
6 FXS 6 0n
7 FXS 7 0n
8 FXS 8 0n
9 FXS 9 0n
10 FXS 10 0n
11 FXS 11 0n
12 FXS 12 0n
13 FXS 13 0n
14 FXS 14 0n
15 FXS 15 0n
16 FXS 16 0n
17 FXS 17 0n
18 FXS 18 0n
19 FXS 19 0n
20 FXS 20 0n
21 FXS 21 0n
22 FXS 22 0n
23 FXS 23 0n
24 FXS 24 0n
MODE: T1 IAD SLOTS 1:FXS 2:FXS 3:FXS 4:FXS 5:FXS 6:FXS NET: up *
DS0 Status: ***** User: guest ETH: up
^Z=help 23:41

```

- Hit "H" for home to return to the main menu. This action will also save your settings.

### Template Method

- From the DS0 Maps menu, arrow over and down to Apply Template to Map 1 and hit Enter. Select the D4 Map option and hit Enter. Hit Y to confirm. Hit H for home.

```

Telnet 10.19.102.62
TA 624 Gen3/DS0 Maps/Apply Template to Map 1
System Info Active Map Map 1
System Config Apply Template to Map 1 Current Map 1
System Utility Edit/View Map 1 [+]
Interfaces Apply Template to Map 2 Current Map 2
L2 Protocol Edit/View Map 2 [+]
Bridge
Router
Security
DS0 Maps
Apply Template to Map 1
Current Map 1
Current Map 2
D4 Map
DID Map
Full Router
Clear Map
MODE: T1 IAD SLOTS 1:FXS 2:FXS 3:FXS 4:FXS 5:FXS 6:FXS NET: up
DS0 Status: ***** User: guest ETH: up
^Z=help 23:56

```

Both methods will result in a TA 624 that has all 24 DS0s mapped to the FXS ports. The TA is functioning as a basic channel bank at this point. If you have any questions, feel free to contact ADTRAN Technical Support at 1-888-423-8726 or email [support@adtran.com](mailto:support@adtran.com).