

# Enable or Disable “Bridge Mode” in the DeviceMaster FreeWire

In order to enable bridging on the FreeWire device, a remote console command needs to be entered since this configuration setting is not available on the web browser interface. You can access the remote console by connecting to the device’s IP address using telnet as seen in the following instructions.

This document assumes that you have already assigned an IP address to the DeviceMaster Freewire that is compatible with your network. If you have not, you may download the management utility from this link: [ftp://ftp.comtrol.com/dm\\_freewire/utility/devicemaster\\_freewire\\_management\\_utility\\_v1.01.zip](ftp://ftp.comtrol.com/dm_freewire/utility/devicemaster_freewire_management_utility_v1.01.zip) Once installed the management utility will be started from Start Button>Programs>Comtrol>FreeWire The DeviceMaster has as the default IP address 192.168.250.250 with a subnet of 255.255.0.0. This document will not discuss IP configuration procedures.

These instructions will use the Telnet application included in Windows XP. Go to the Start button > Run and Enter **cmd** (without quotes).

You will be prompted for a password, the default password is **access** all in lower case.

If you have changed this password, then enter the appropriate password. If you have changed the password and forgotten the new password, use the instructions on pages 9 and 10 of the user guide at this link ([ftp://ftp.comtrol.com/dm\\_freewire/docs/freewire\\_install\\_user\\_guide.pdf](ftp://ftp.comtrol.com/dm_freewire/docs/freewire_install_user_guide.pdf)) to reset the DeviceMaster FreeWire to factory defaults and reconfigure the DeviceMaster FreeWire IP information

**With bridge mode enabled, it will no longer be possible to use telnet or open a web browser to the IP address of the FreeWire from the hardwired Ethernet connection. Telnet and web configuration will be available only from the Wi-Fi side of the DeviceMaster.**

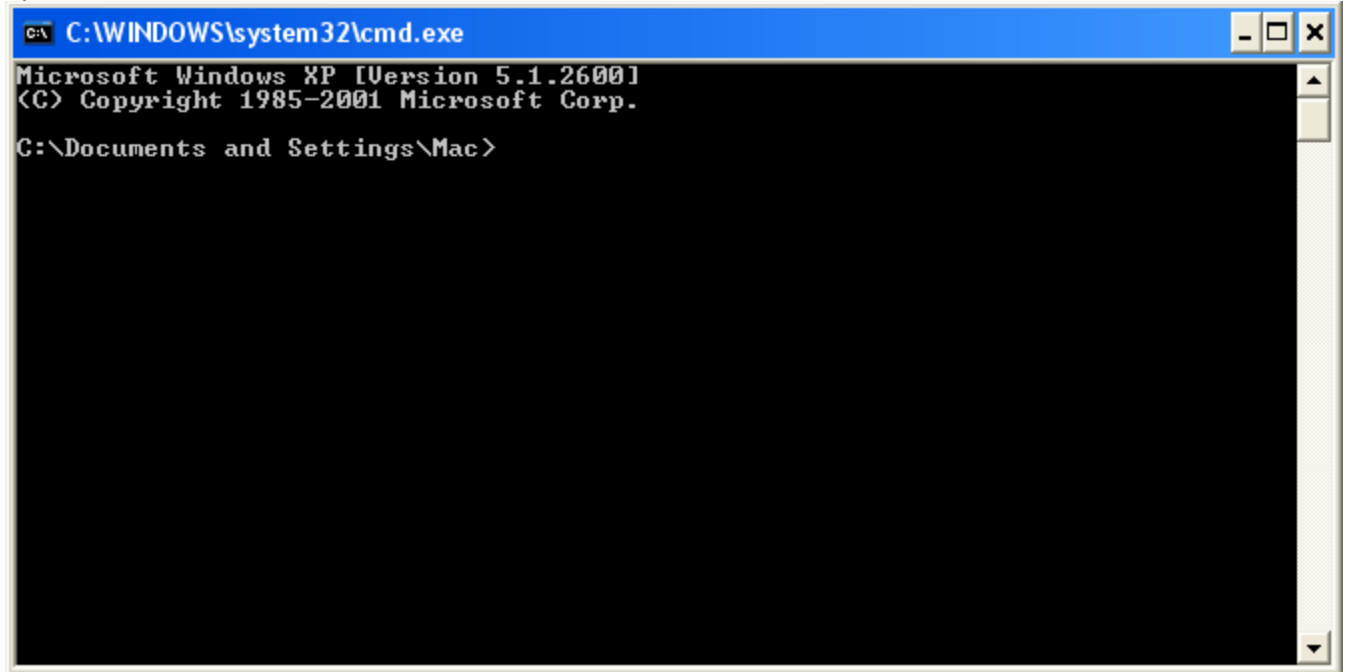
Commands to be entered on the command line will be shown as ***text in bold italics***. The quote marks will not be entered.

This example is using a DeviceMaster FreeWire with an IP address of 192.168.2.191. Where that IP address is shown substitute the IP address for your DeviceMaster FreeWire.

There will be a screen shot of the command Entered with another screen shot following once the Enter key has been pressed to show the results.

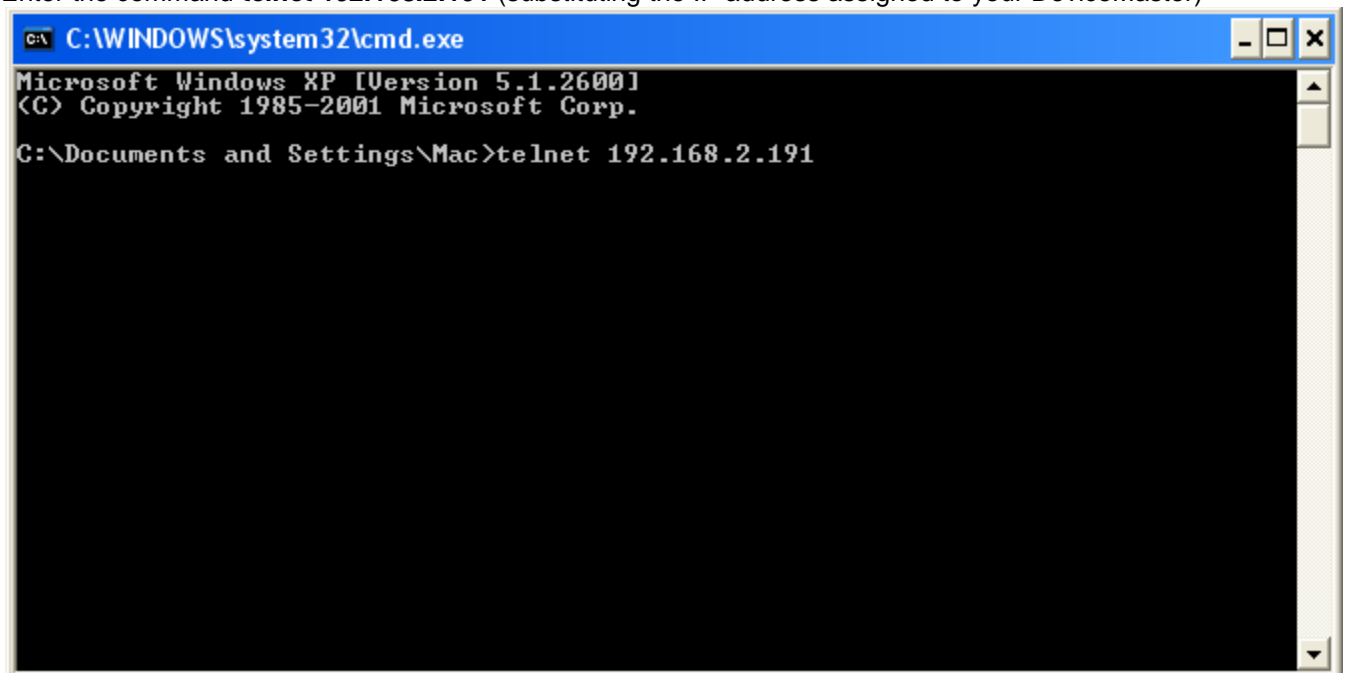
# Enable Bridge Mode

Open a command window



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Mac>
```

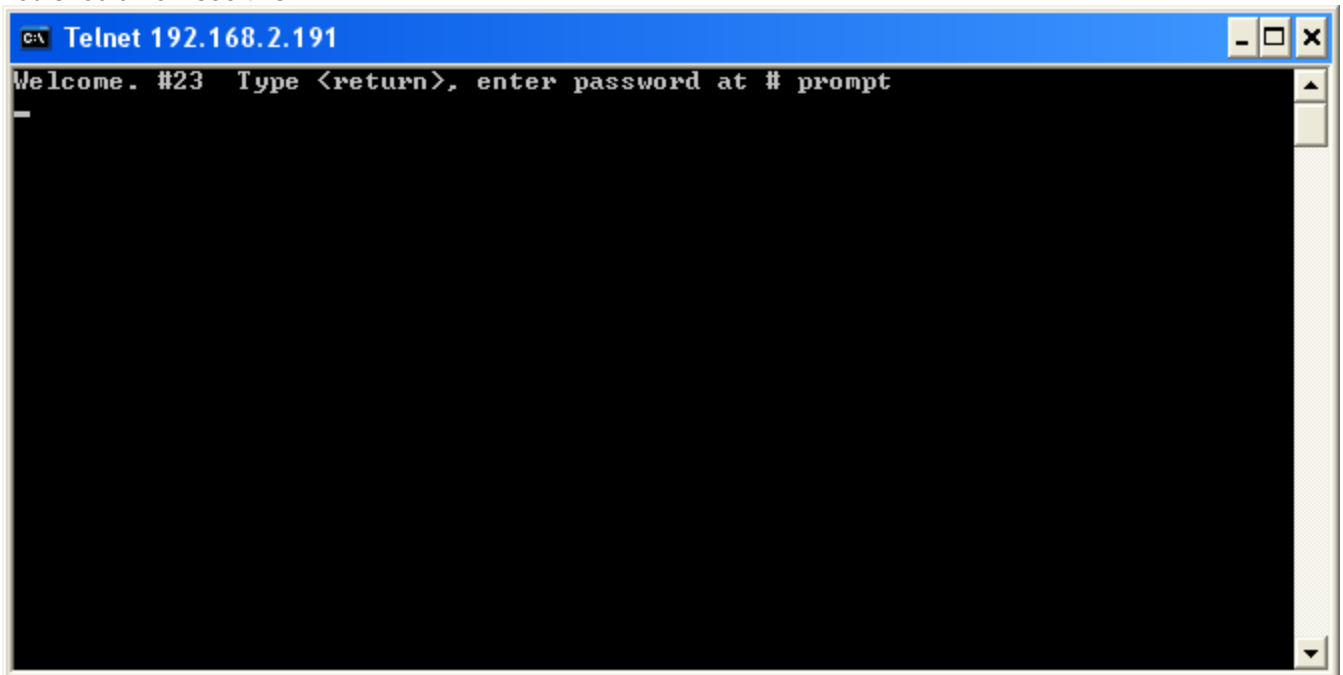
Enter the command **telnet 192.168.2.191** (substituting the IP address assigned to your DeviceMaster)



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Mac>telnet 192.168.2.191
```

Press Enter

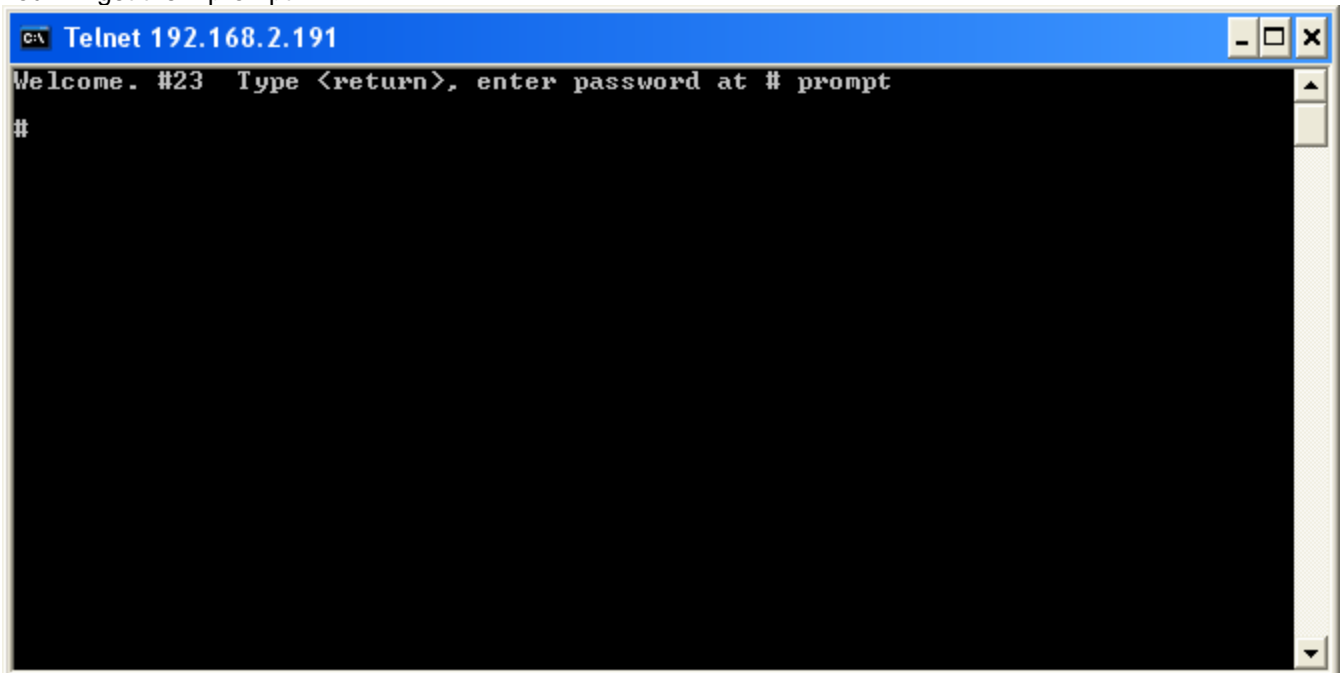
You should now see this:



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
_
```

Press Enter

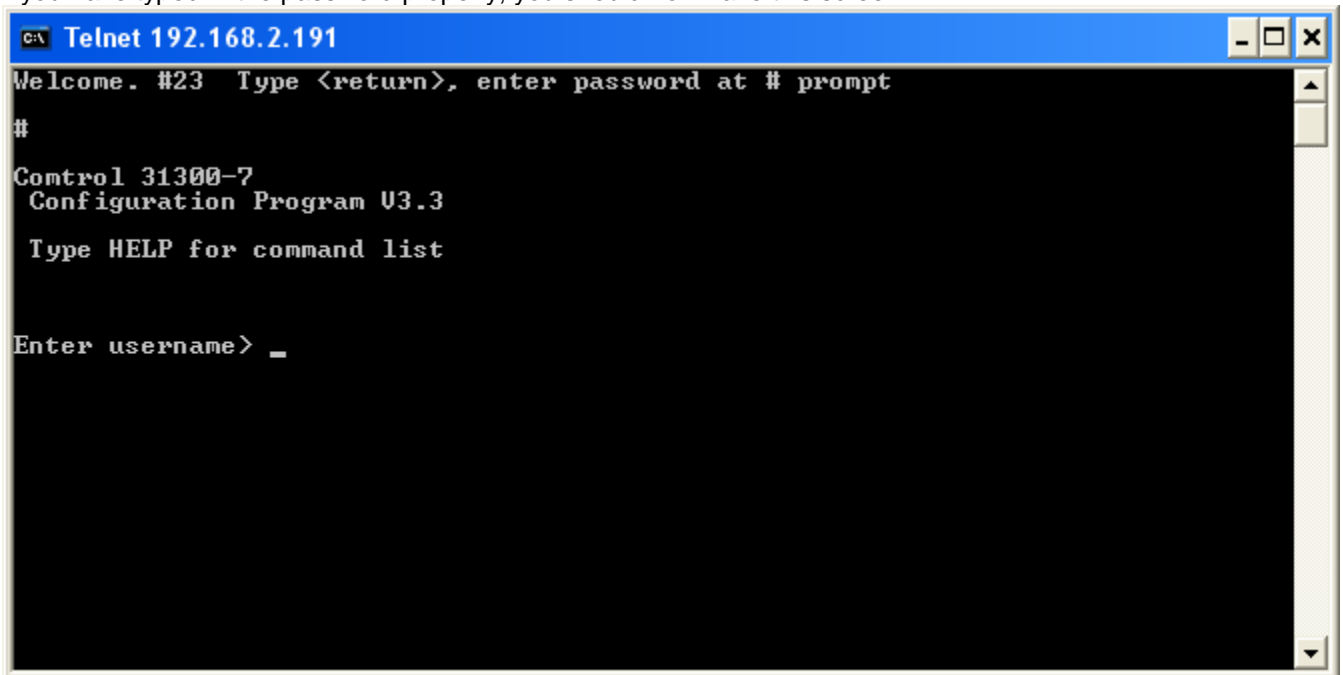
You will get the # prompt



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
```

Enter **access** (all lower case) and press Enter. You will not get the characters echoed to screen. You will see no indication that you are, or have typed, anything into the window. The default password is "access" (without quotes) and press enter. If you have changed this password, then enter the appropriate password. If you have changed the password and forgotten the new password, use the instructions on pages 9 and 10 of the user guide at this link ([ftp://ftp.comtrol.com/dm\\_freewire/docs/freewire\\_install\\_user\\_guide.pdf](ftp://ftp.comtrol.com/dm_freewire/docs/freewire_install_user_guide.pdf)) to reset the DeviceMaster FreeWire to factory defaults and reconfigure the DeviceMaster FreeWire IP information.

If you have typed in the password properly, you should now have this screen

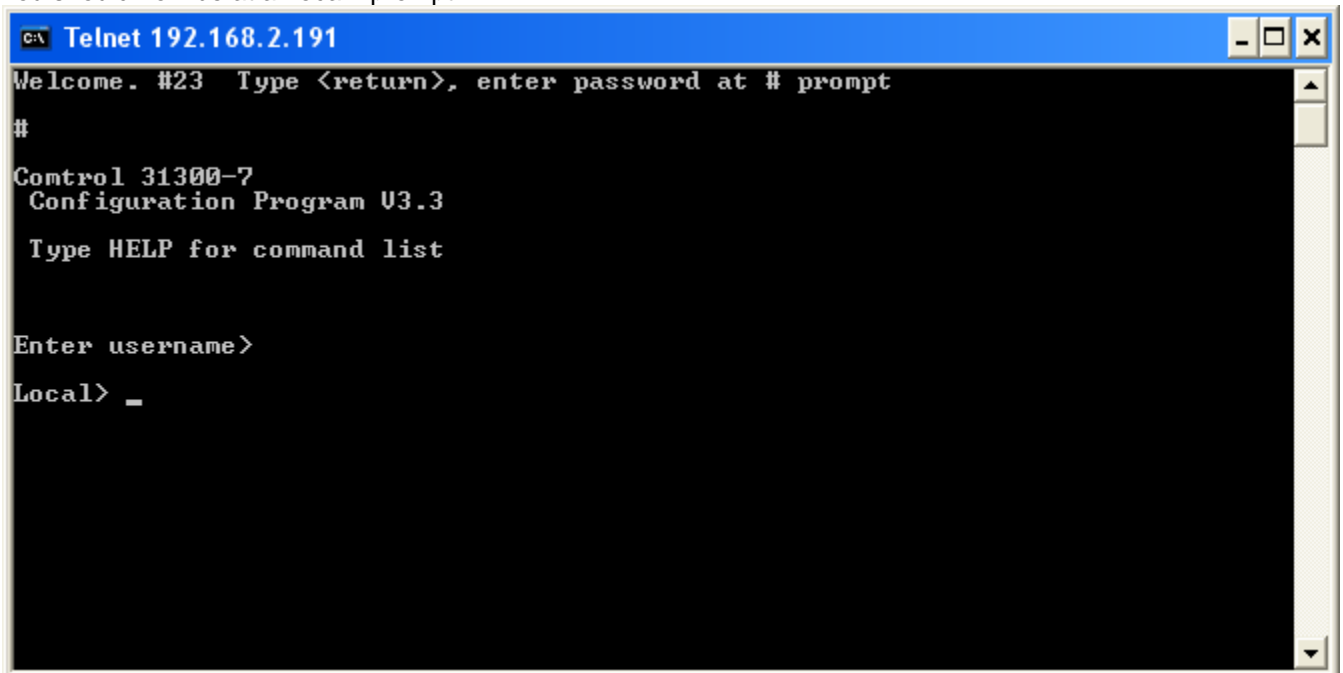


```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username> _
```

Press Enter without putting in anything for the user name. There is no user name.

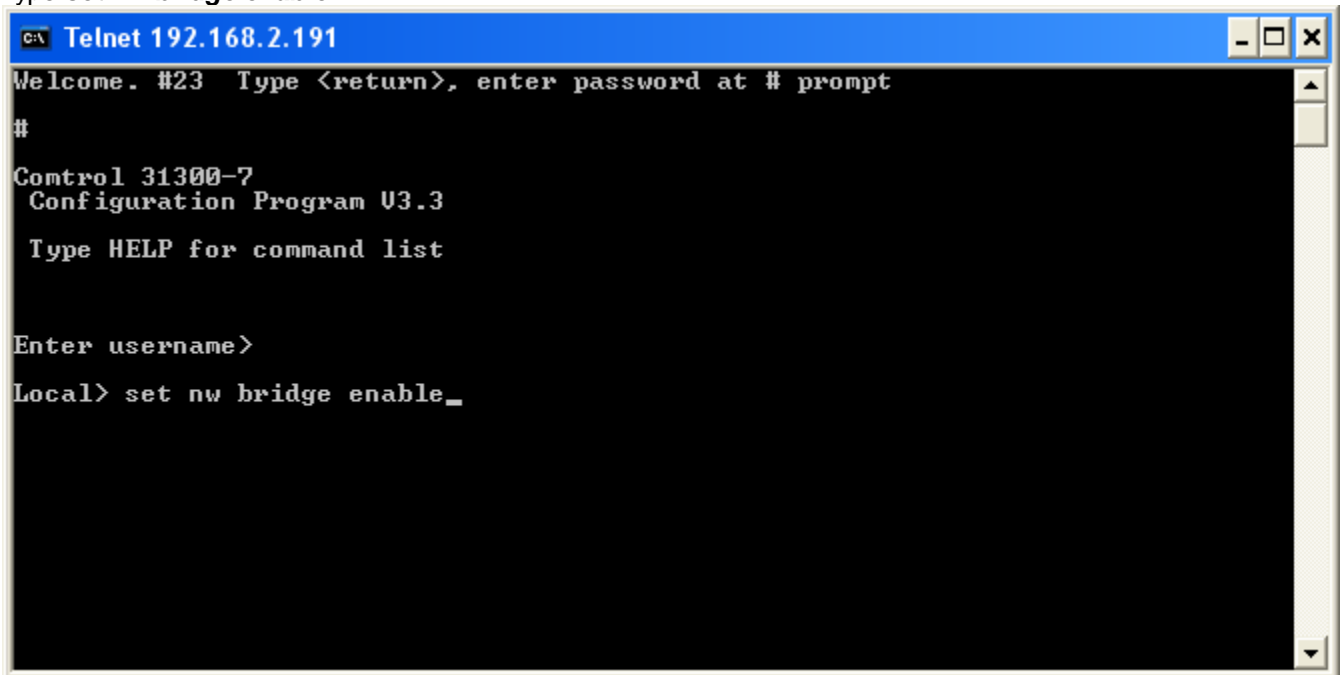
You should now be at a Local> prompt



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>
Local> _
```

Type *set nw bridge enable*

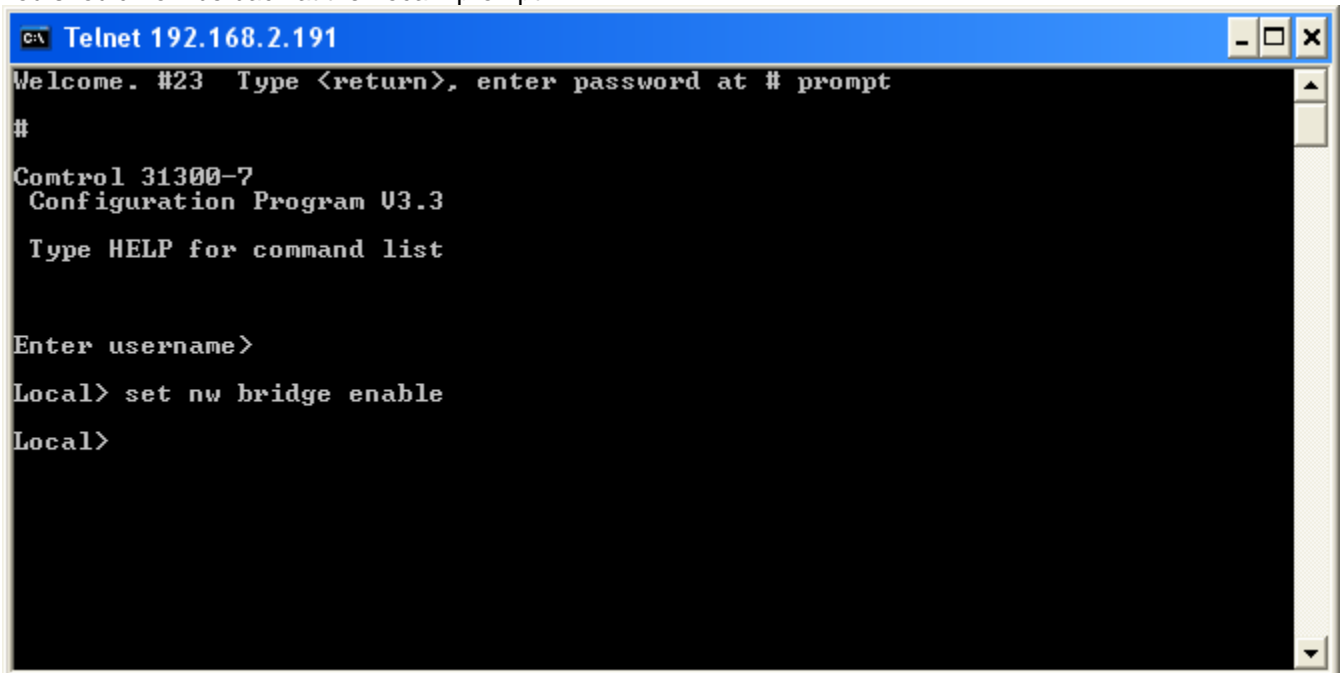


```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>
Local> set nw bridge enable_
```

Press Enter

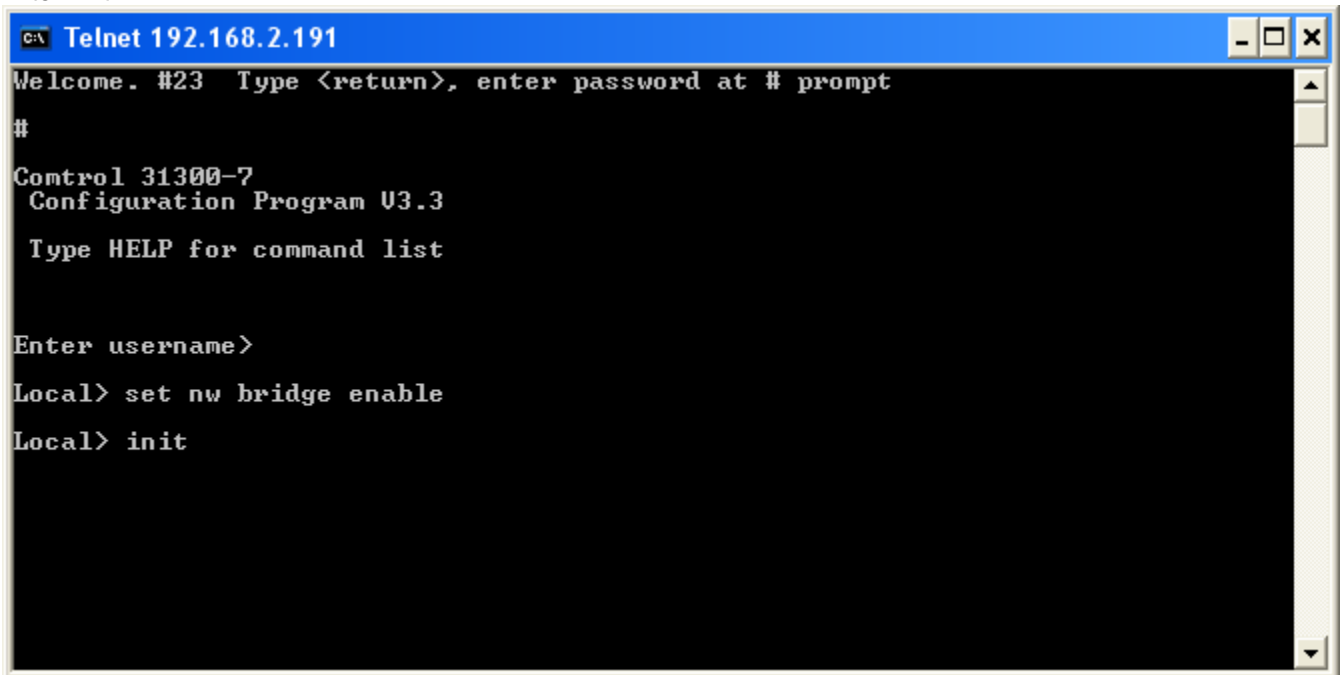
You should now be back at the Local> prompt



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>
Local> set nw bridge enable
Local>
```

Enter *init*

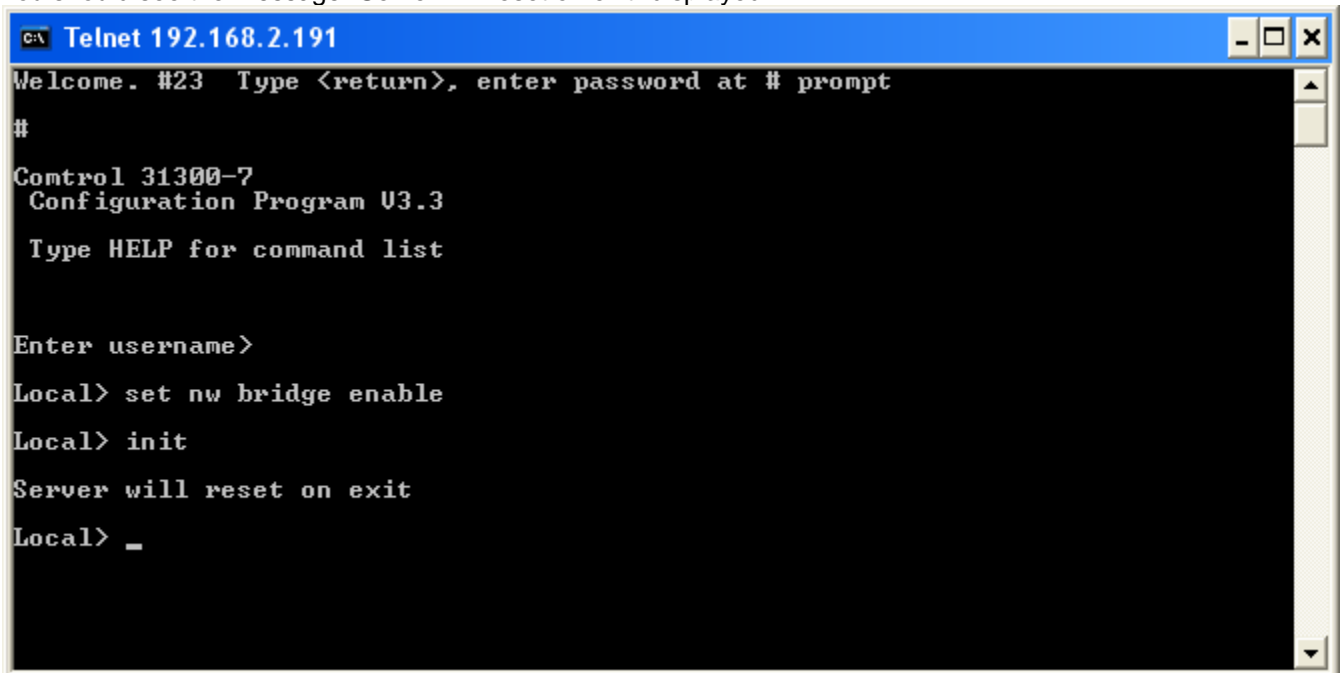


```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program U3.3
Type HELP for command list

Enter username>
Local> set nw bridge enable
Local> init
```

Press Enter

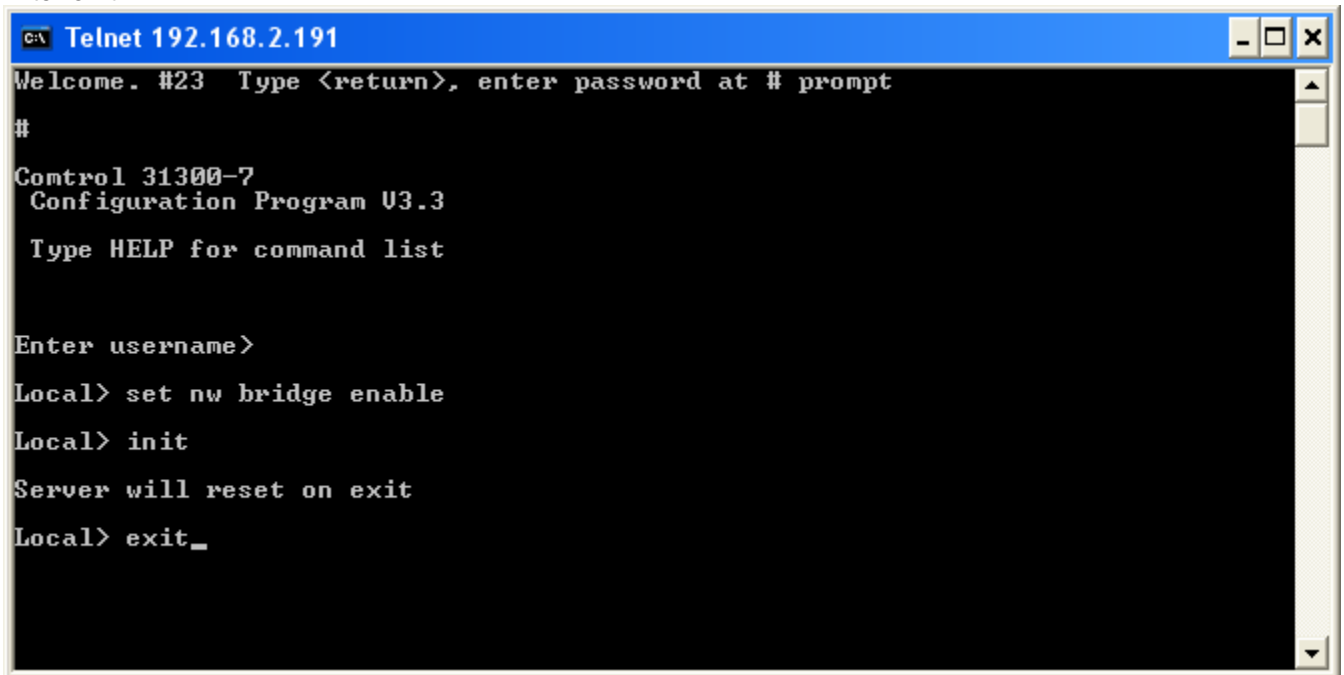
You should see the message "Server will reset on exit" displayed



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program U3.3
Type HELP for command list

Enter username>
Local> set nw bridge enable
Local> init
Server will reset on exit
Local> _
```

Enter *exit*



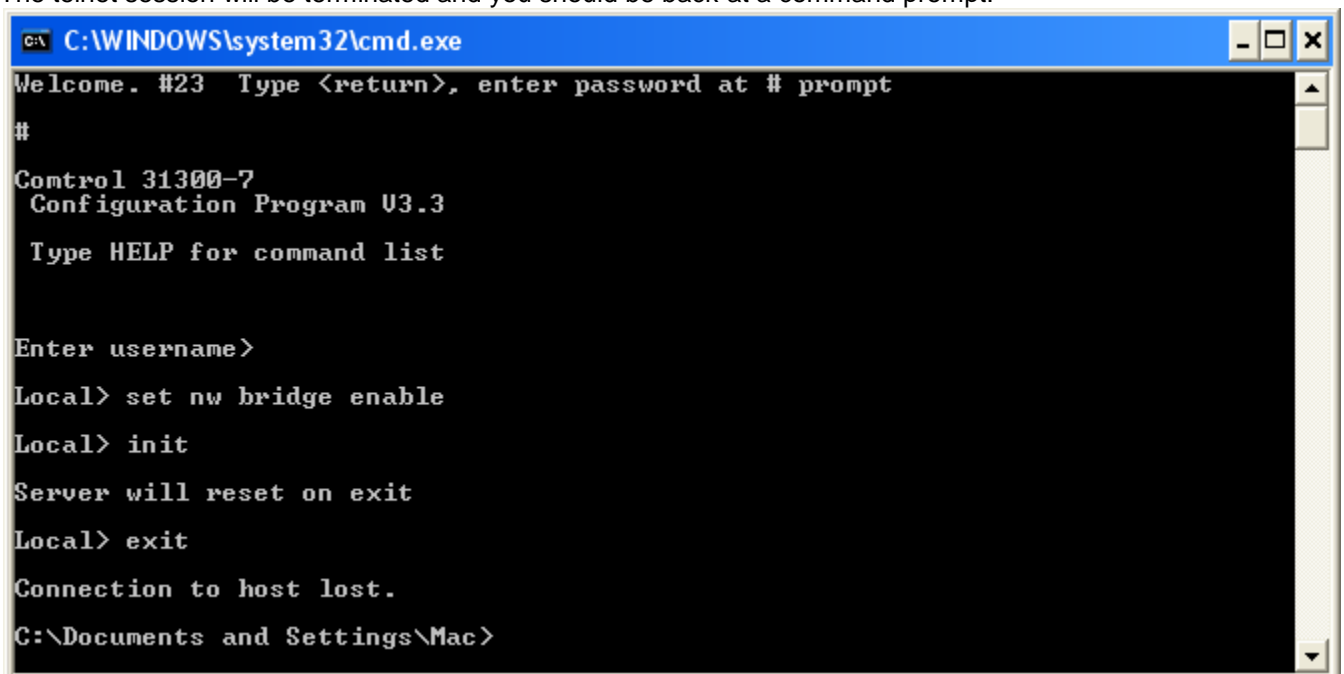
```
C:\ Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program U3.3
Type HELP for command list

Enter username>
Local> set nw bridge enable
Local> init
Server will reset on exit
Local> exit_
```

Press Enter

The message "Connection to host lost" will be displayed

The telnet session will be terminated and you should be back at a command prompt.

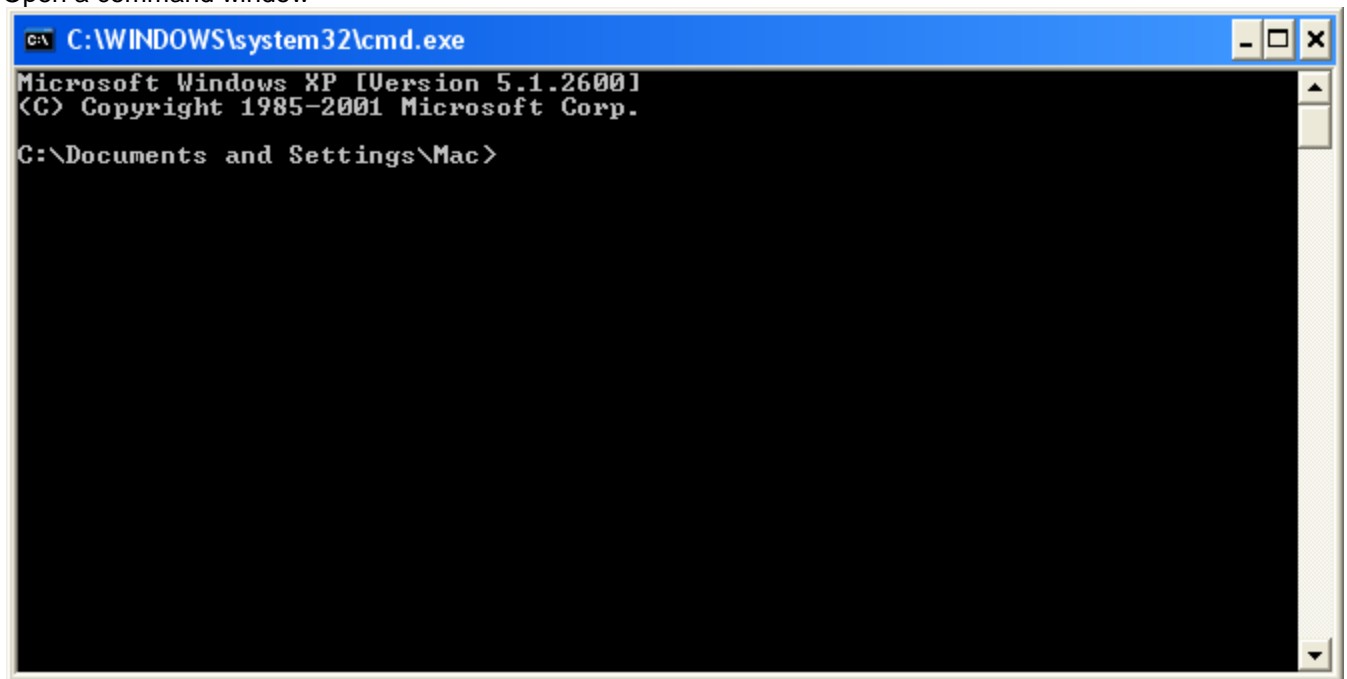


```
C:\WINDOWS\system32\cmd.exe
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program U3.3
Type HELP for command list

Enter username>
Local> set nw bridge enable
Local> init
Server will reset on exit
Local> exit
Connection to host lost.
C:\Documents and Settings\Mac>
```

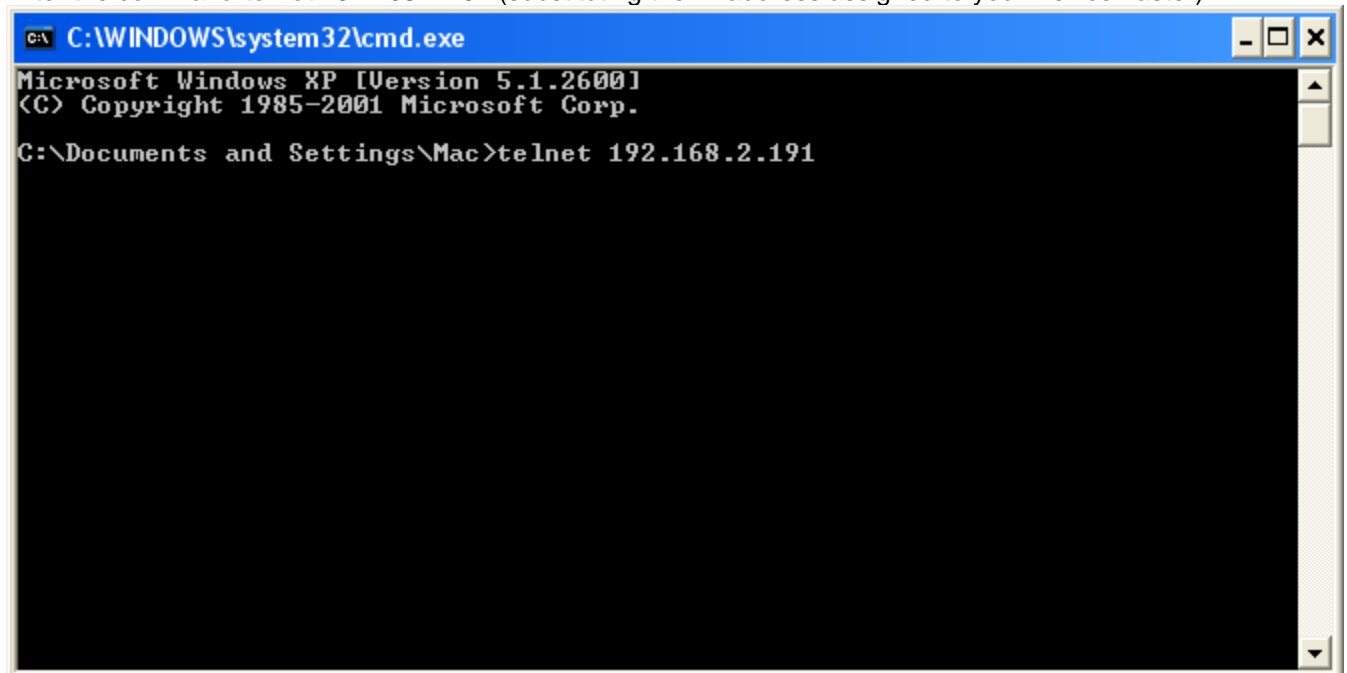
# Disable bridge mode

Open a command window



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Mac>
```

Enter the command **telnet 192.168.2.191** (substituting the IP address assigned to your DeviceMaster)

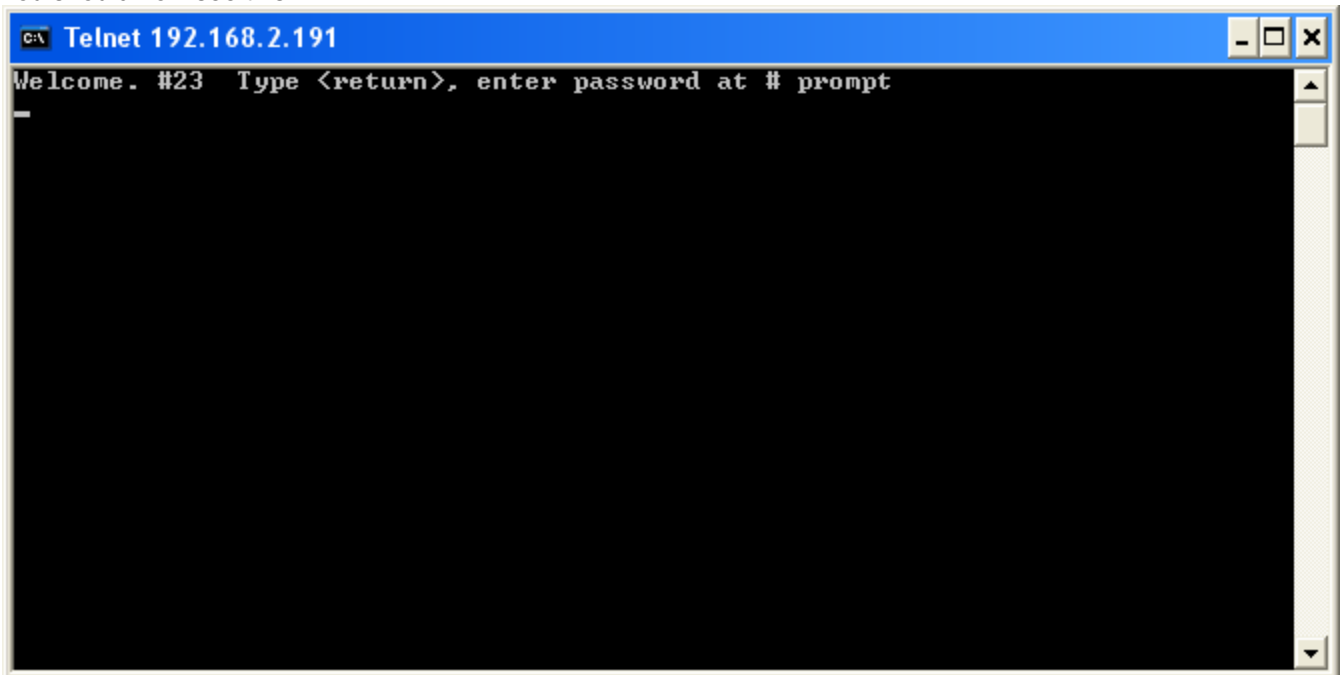


```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\Mac>telnet 192.168.2.191
```

Press Enter



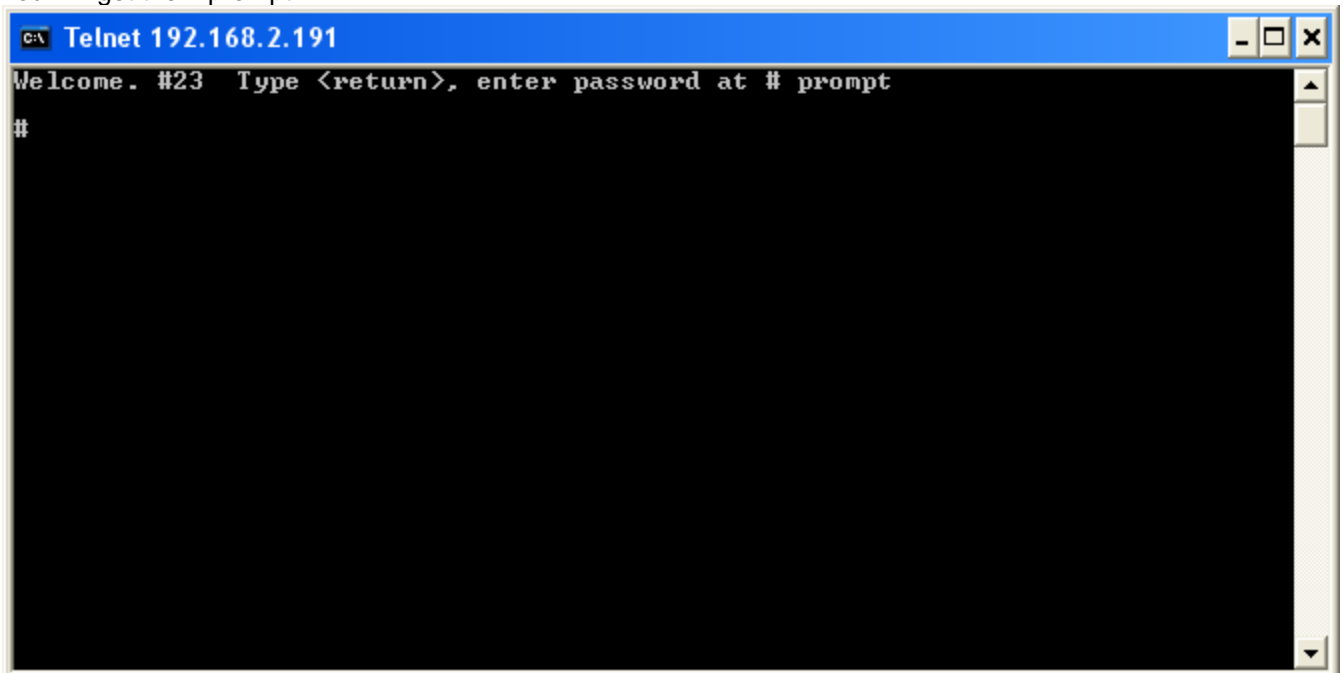
You should now see this:



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
_
```

Press Enter

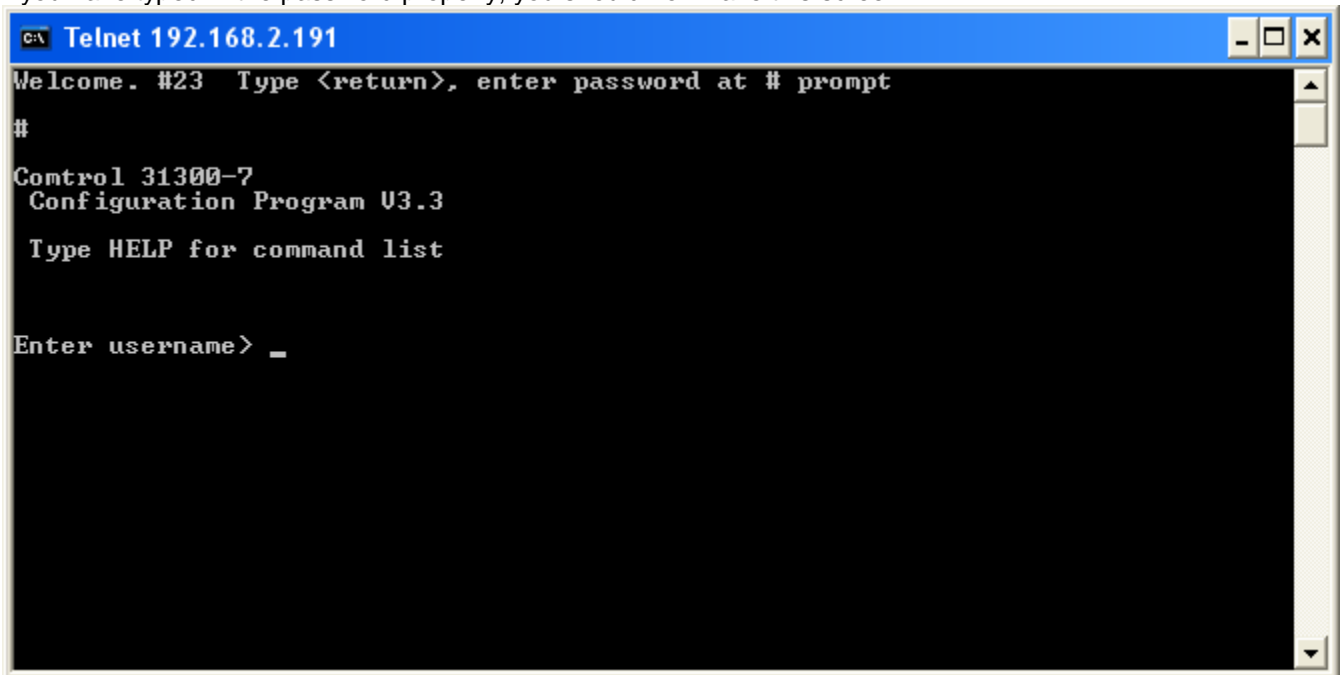
You will get the # prompt



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
```

Enter **access** (all lower case) and press Enter You will not get the characters echoed to screen. You will see no indication that you are, or have typed, anything into the window. The default password is *access*. If you have changed this password, then enter the appropriate password. If you have changed the password and forgotten the new password, use the instructions on pages 9 and 10 of the user guide at this link ([ftp://ftp.comtrol.com/dm\\_freewire/docs/freewire\\_install\\_user\\_guide.pdf](ftp://ftp.comtrol.com/dm_freewire/docs/freewire_install_user_guide.pdf)) to reset the DeviceMaster FreeWire to factory defaults and reconfigure the DeviceMaster FreeWire IP information

If you have typed in the password properly, you should now have this screen

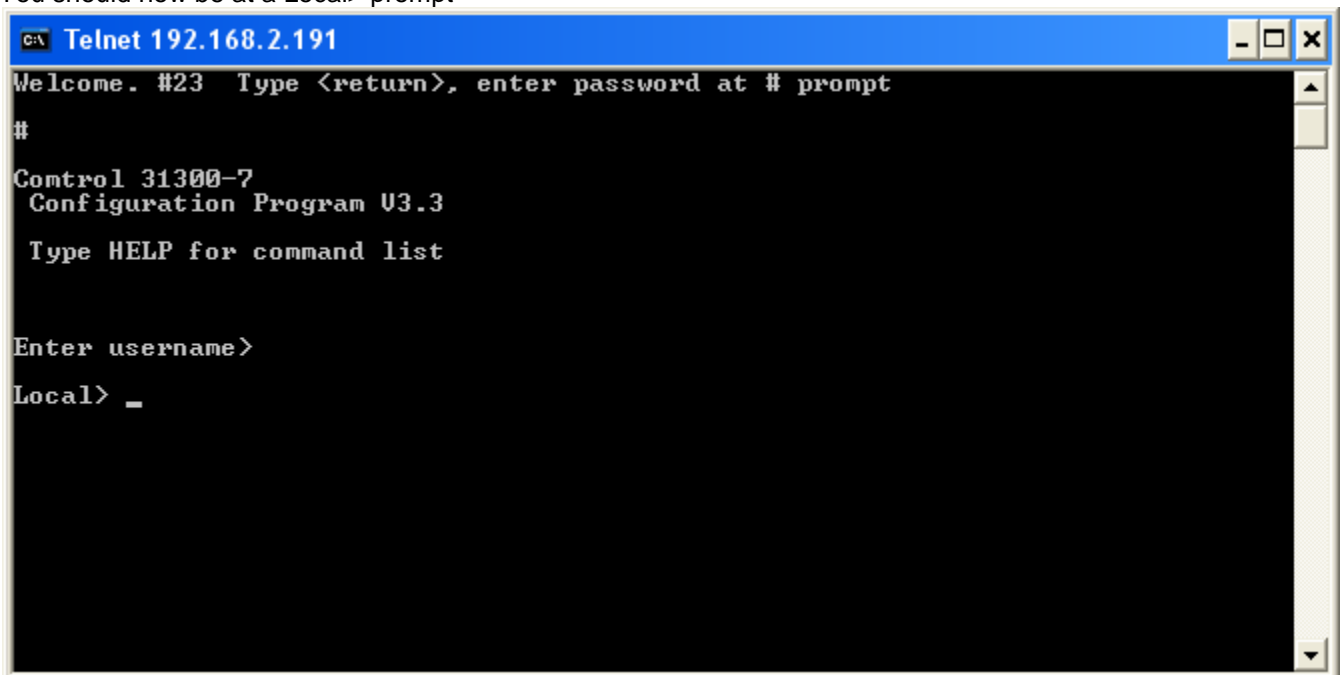


```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username> _
```

Press Enter without putting in anything for the user name. There is no user name.

You should now be at a Local> prompt



```
C:\> Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>
Local> _
```

Enter the **command show nw bridge**

```
C:\ Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program U3.3
Type HELP for command list

Enter username>
Local> show nw bridge
```

Press Enter

You should get something that looks like this to indicate that bridging mode is in effect. Your IP and MAC addresses should of course be different.

```
C:\ Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program U3.3
Type HELP for command list

Enter username>
Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=    2935 f=      0 fp=0 d= 0 0 ms=1516
XMT: client 0 d=0 local 273 d=0
RCU: l=61 c=0 b=2935 d=0
trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
IP 192.168.2.191 MAC 00:c0:4e:27:00:4c
Local>
```

Enter the command *set nw bridge disable*

```
C:\ Telnet 192.168.2.191
Welcome. #23 Type <return>, enter password at # prompt
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>

Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=     2935 f=      0 fp=0 d= 0 0 ms=1516
XMT: client 0 d=0 local 273 d=0
RCU: l=61 c=0 b=2935 d=0
trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
IP 192.168.2.191 MAC 00:c0:4e:27:00:4c

Local> set nw bridge disable_
```

Press Enter

You should be back at the Local> prompt

```
C:\ Telnet 192.168.2.191
#
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>

Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=     2935 f=      0 fp=0 d= 0 0 ms=1516
XMT: client 0 d=0 local 273 d=0
RCU: l=61 c=0 b=2935 d=0
trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
IP 192.168.2.191 MAC 00:c0:4e:27:00:4c

Local> set nw bridge disable
Local> _
```

Enter the command **show nw bridge** and press Enter

```
C:\ Telnet 192.168.2.191
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>

Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=     2935 f=      0 fp=0 d= 0 0 ms=1516
XMT: client 0 d=0 local 273 d=0
RCU: l=61 c=0 b=2935 d=0
trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
IP 192.168.2.191 MAC 00:c0:4e:27:00:4c

Local> set nw bridge disable

Local> show nw bridge
Bridge mode = Disabled

Local>
```

You should see "Bridge mode = Disabled"

Enter the command **init**

```
C:\ Telnet 192.168.2.191
Control 31300-7
Configuration Program V3.3
Type HELP for command list

Enter username>

Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=     2935 f=      0 fp=0 d= 0 0 ms=1516
XMT: client 0 d=0 local 273 d=0
RCU: l=61 c=0 b=2935 d=0
trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
IP 192.168.2.191 MAC 00:c0:4e:27:00:4c

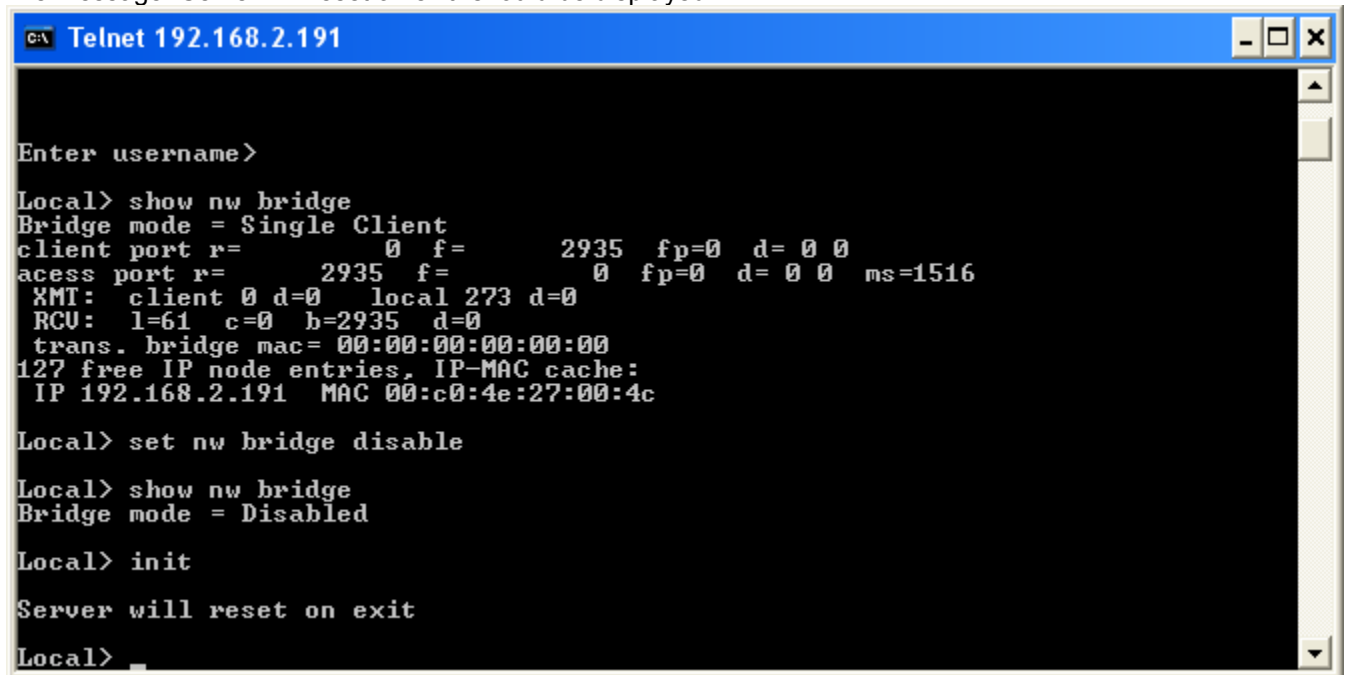
Local> set nw bridge disable

Local> show nw bridge
Bridge mode = Disabled

Local> init
```

Press Enter

The message "Server will reset on exit" should be displayed



```
C:\> Telnet 192.168.2.191

Enter username>

Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=     2935 f=      0 fp=0 d= 0 0 ms=1516
  XMT: client 0 d=0 local 273 d=0
  RCU: l=61 c=0 b=2935 d=0
  trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
  IP 192.168.2.191 MAC 00:c0:4e:27:00:4c

Local> set nw bridge disable

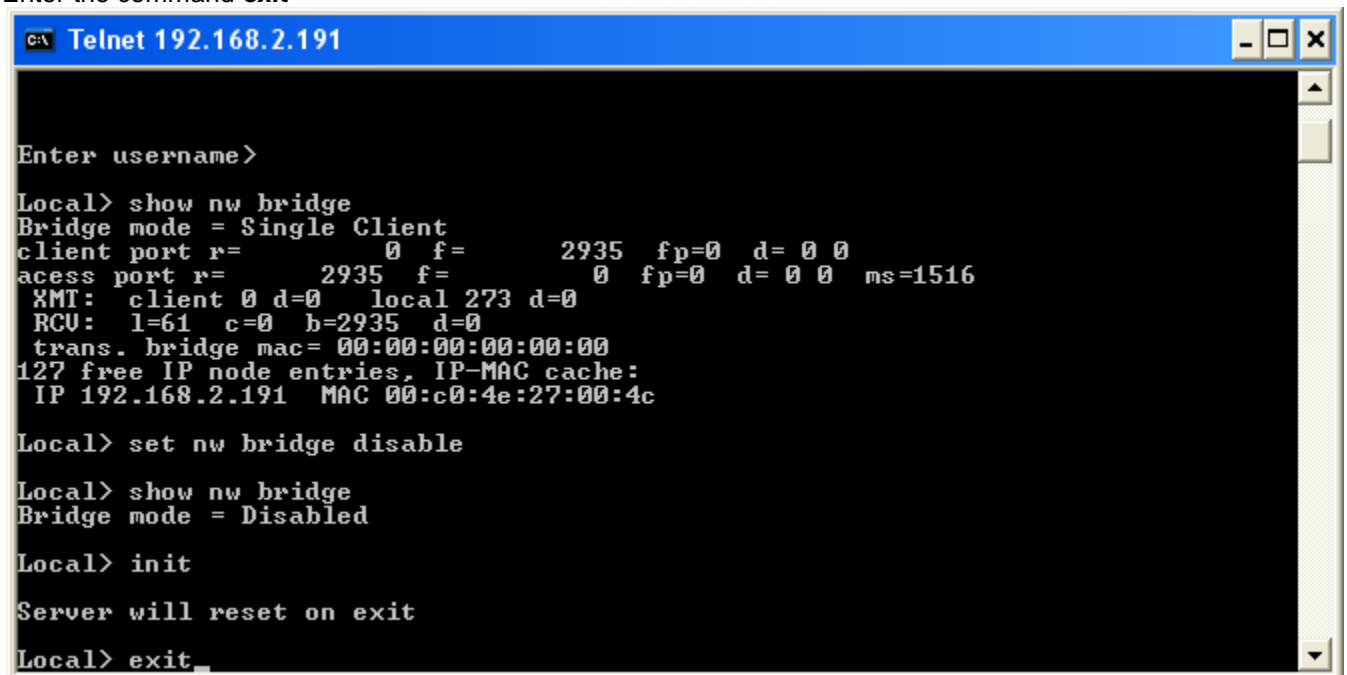
Local> show nw bridge
Bridge mode = Disabled

Local> init

Server will reset on exit

Local>
```

Enter the command *exit*



```
C:\> Telnet 192.168.2.191

Enter username>

Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=     2935 f=      0 fp=0 d= 0 0 ms=1516
  XMT: client 0 d=0 local 273 d=0
  RCU: l=61 c=0 b=2935 d=0
  trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
  IP 192.168.2.191 MAC 00:c0:4e:27:00:4c

Local> set nw bridge disable

Local> show nw bridge
Bridge mode = Disabled

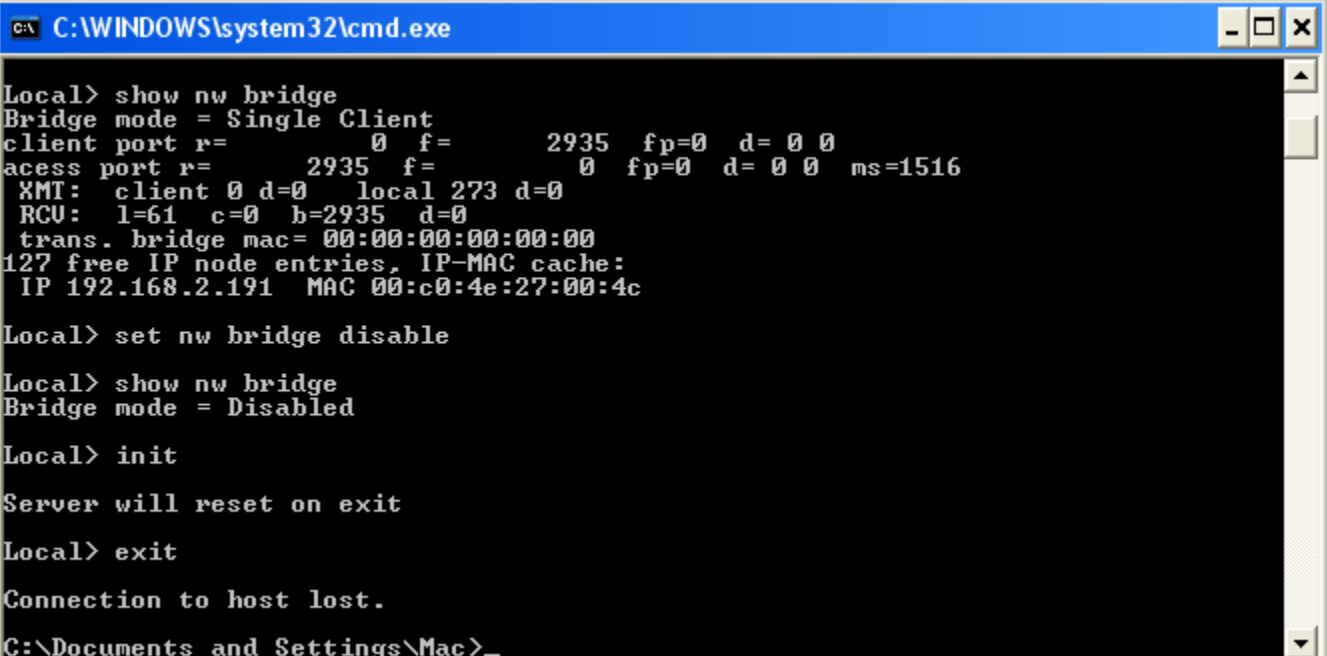
Local> init

Server will reset on exit

Local> exit
```

Press Enter

The message "Connection to host lost" should be displayed



```
C:\WINDOWS\system32\cmd.exe

Local> show nw bridge
Bridge mode = Single Client
client port r=      0 f=      2935 fp=0 d= 0 0
access port r=      2935 f=      0 fp=0 d= 0 0 ms=1516
  XMT: client 0 d=0 local 273 d=0
  RCU: l=61 c=0 b=2935 d=0
  trans. bridge mac= 00:00:00:00:00:00
127 free IP node entries, IP-MAC cache:
  IP 192.168.2.191 MAC 00:c0:4e:27:00:4c

Local> set nw bridge disable

Local> show nw bridge
Bridge mode = Disabled

Local> init

Server will reset on exit

Local> exit

Connection to host lost.

C:\Documents and Settings\Mac>
```

You should be returned to the Windows command prompt