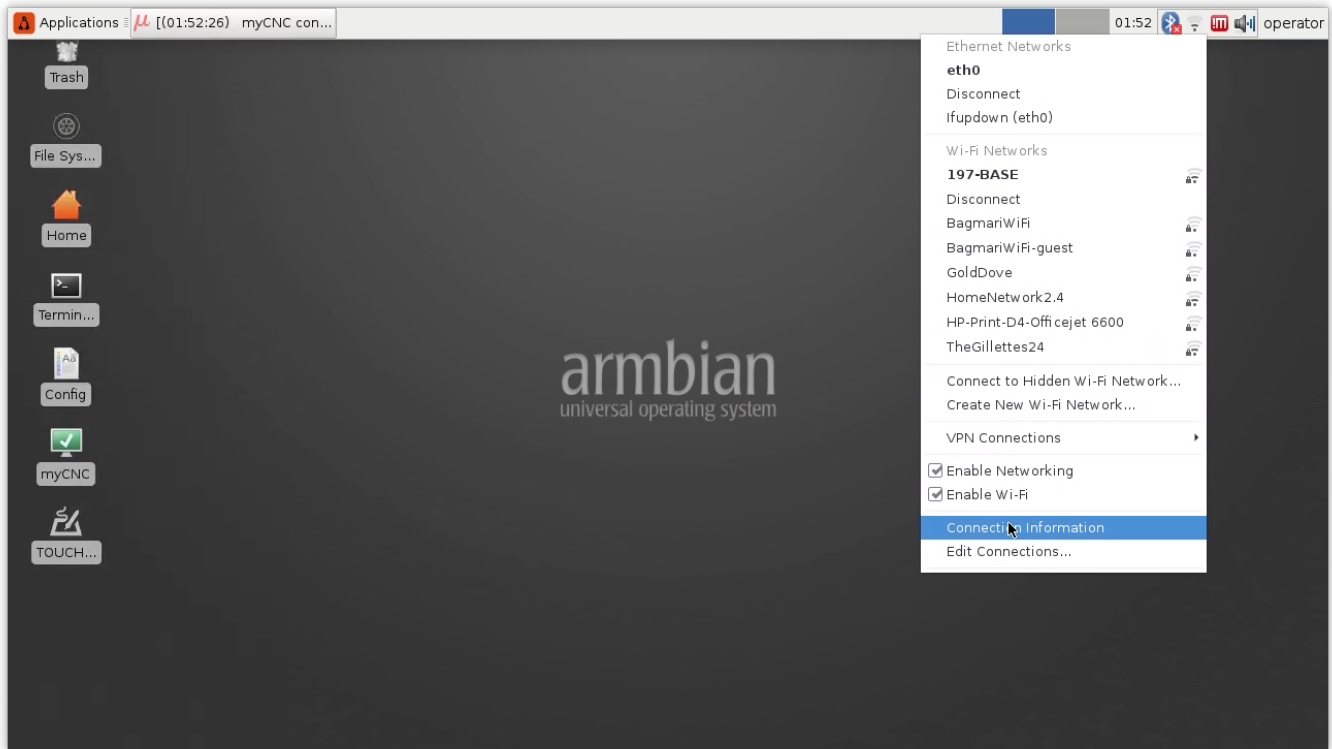


# No Connection between myCNC controller and Armbrian Linux

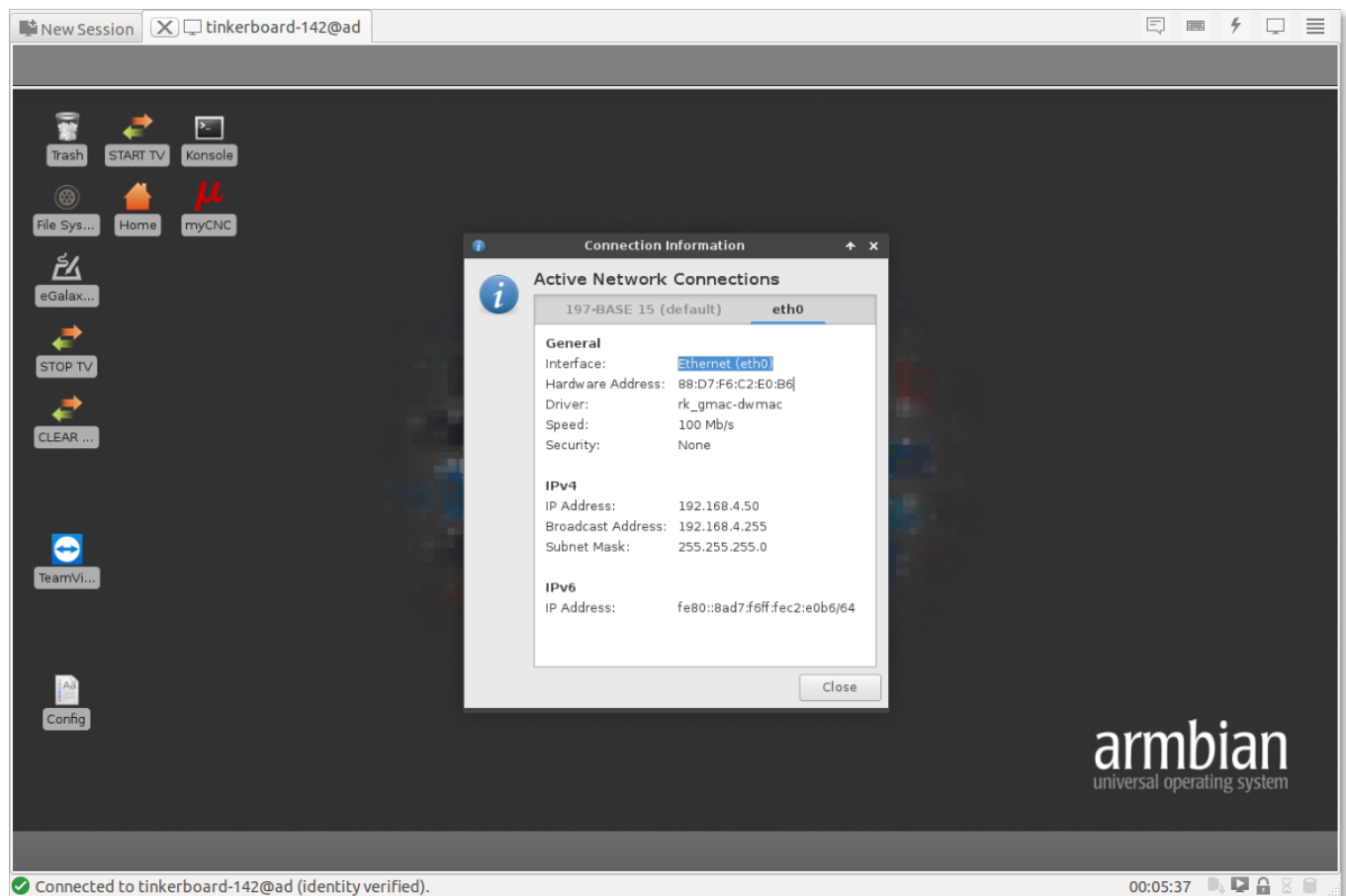
1. Check LAN (wired network) is configured on the Host.

Click right button on a network icon on the top panel and select “Connection information” in a popup menu.



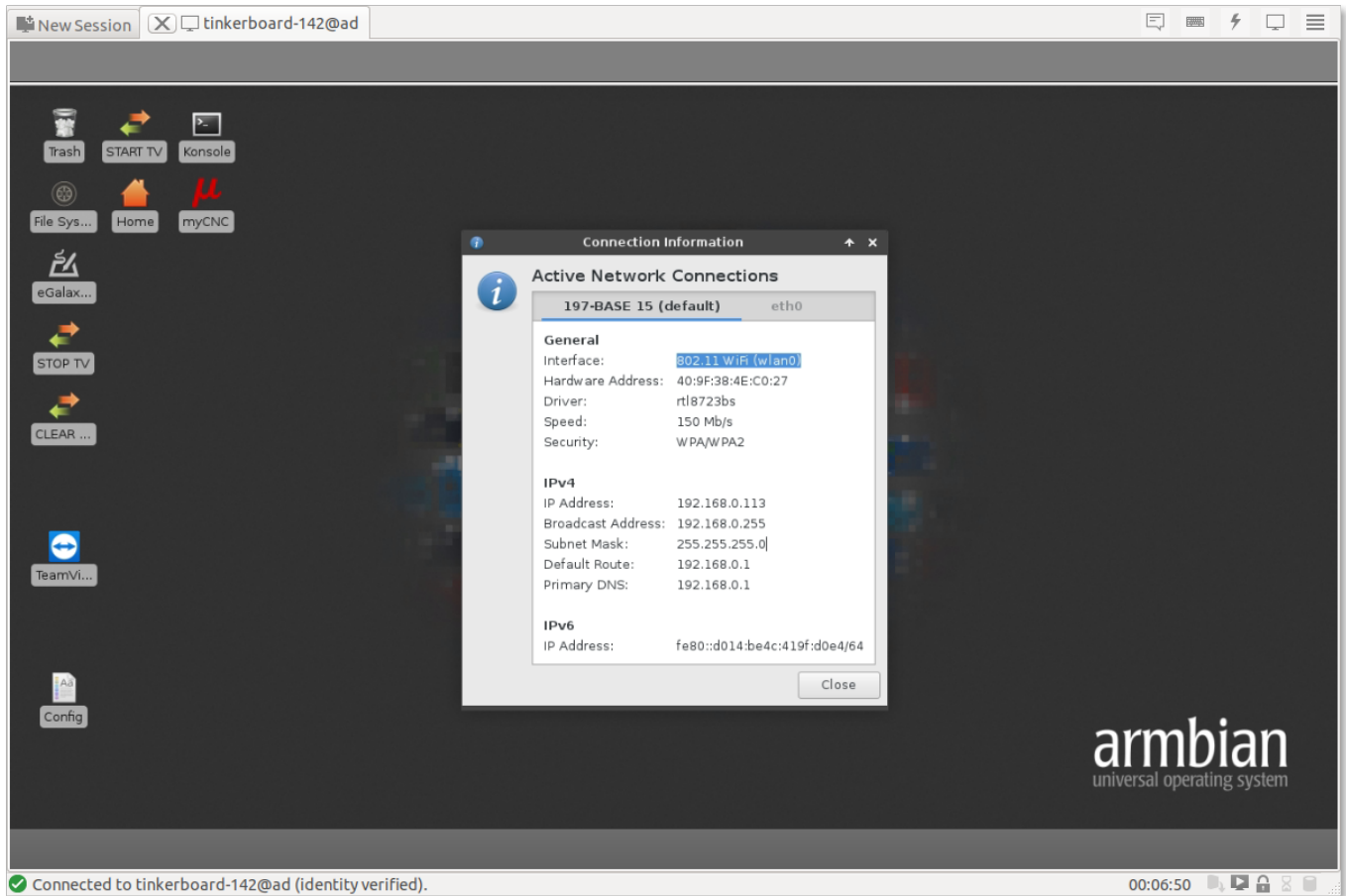
- Check if there is “eth0” tab in “Connection Information” dialog.
- Check what IP addresses are configured for LAN. IP addresses by default are:

IP Address: 192.168.4.50



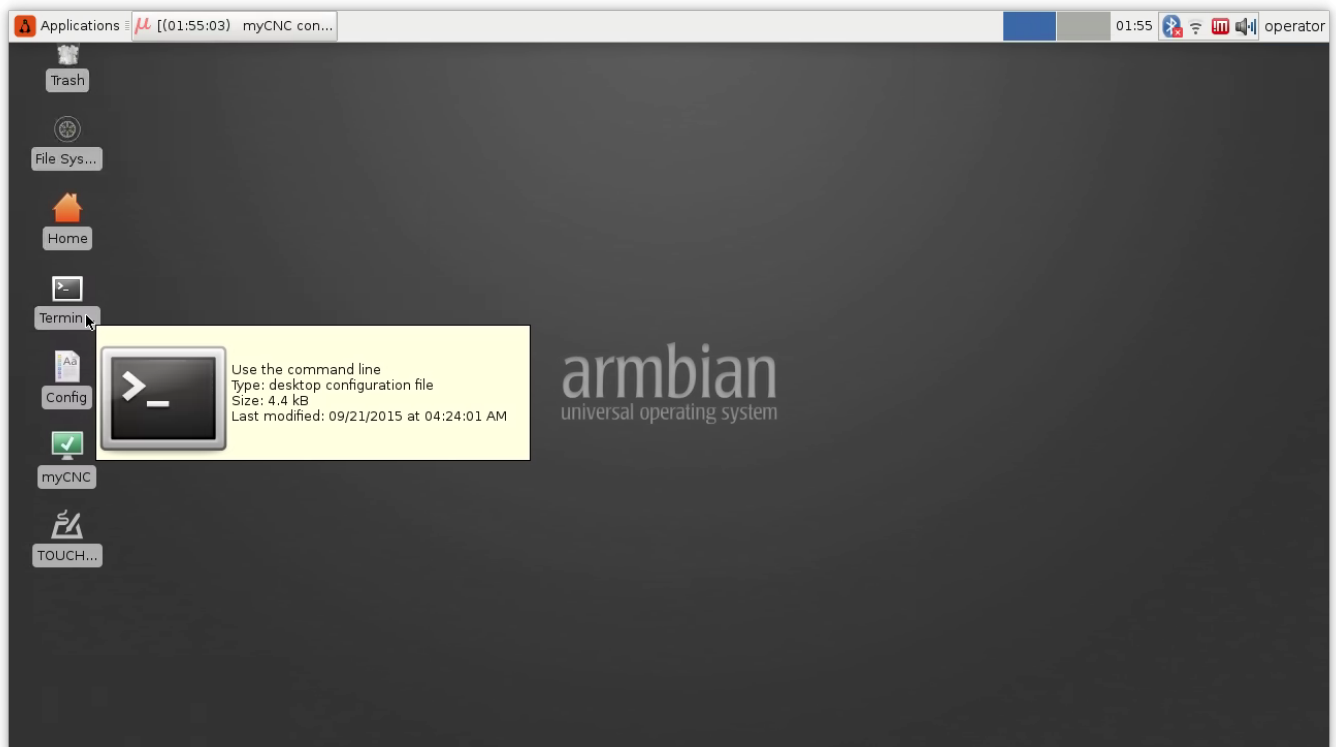
## 2. Check if WiFi network is configured and does not conflict with the LAN

- Click on the next tab (which can be your WiFi Access Point name)
- Check what IP addresses are configured for Wifi. IP addresses should be fixed if WiFi and LAN networks are on the same subnet (for example LAN is 192.168.0.50 and Wifi is 192.168.0.101)



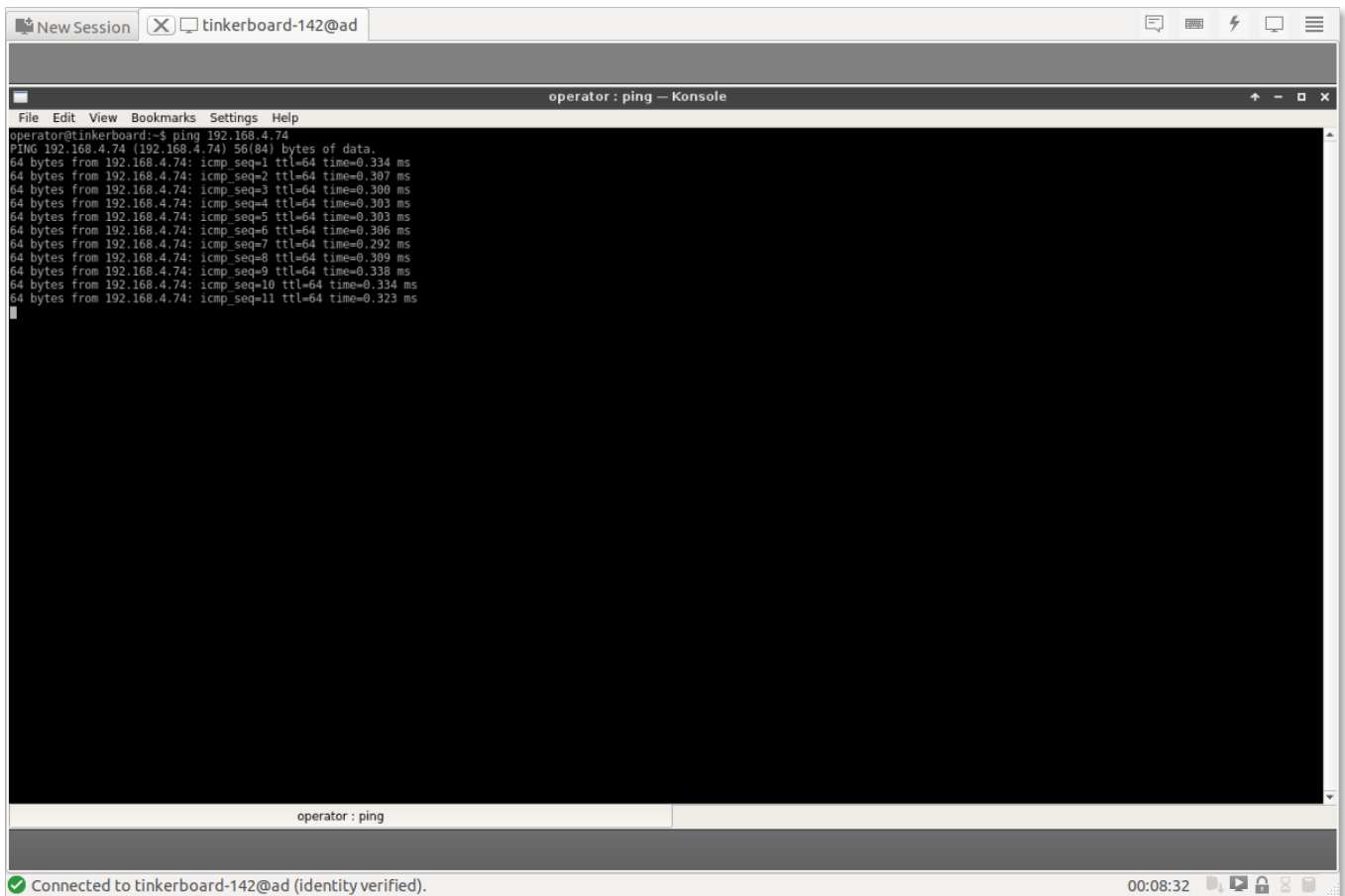
3. Check myCNC control board connection by Pinging the board.

Open Terminal window



myCNC controller default IP address is usually **192.168.4.78** or **192.168.0.78**. Try to ping the board.  
Type command

```
ping 192.168.4.78
```

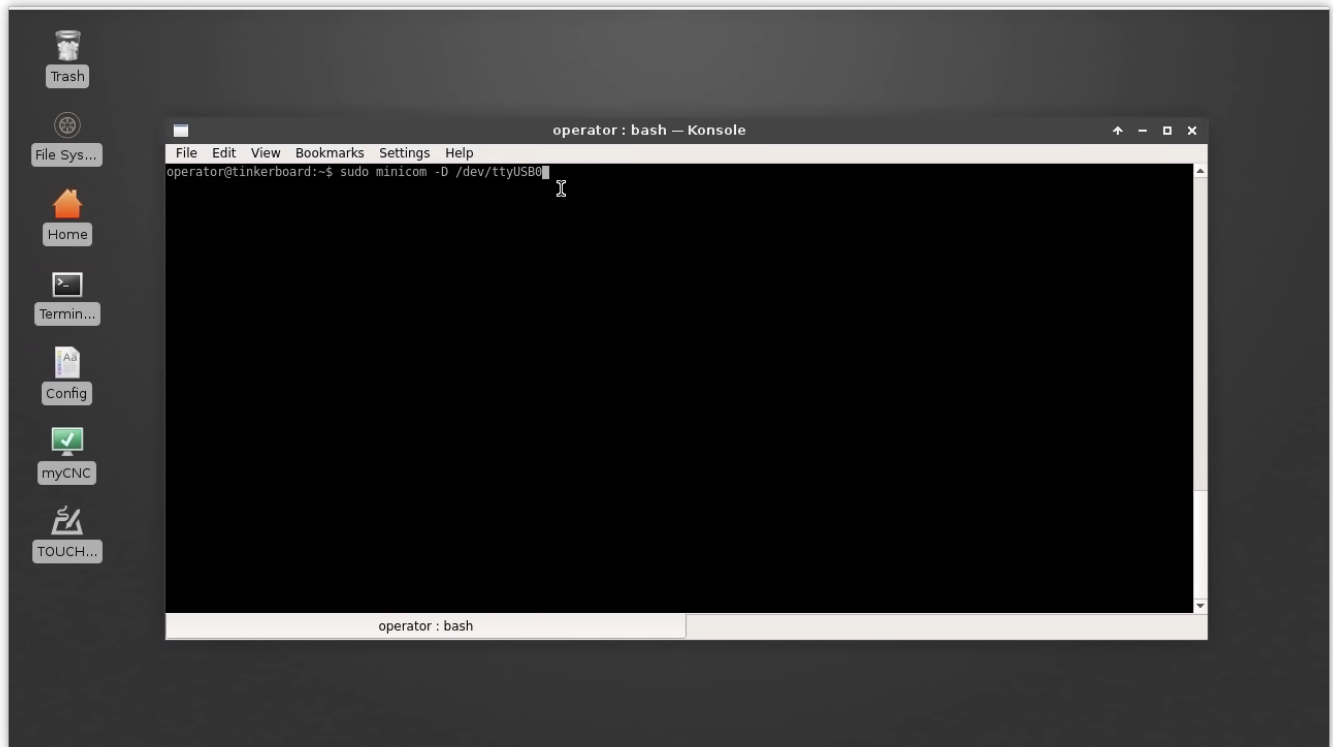
A screenshot of a terminal window titled "operator : ping — Konsole". The window shows the output of a ping command from a Tinkerboard. The output indicates that the connection to 192.168.4.74 is successful, with 11 successful pings and a response time of approximately 0.33 ms. The terminal window has a menu bar with "File", "Edit", "View", "Bookmarks", "Settings", and "Help". The status bar at the bottom shows "Connected to tinkerbord-142@ad (identity verified)." and the time "00:08:32".

```
operator@tinkerbord:~$ ping 192.168.4.74
PING 192.168.4.74 (192.168.4.74) 56(84) bytes of data:
64 bytes from 192.168.4.74: icmp_seq=1 ttl=64 time=0.334 ms
64 bytes from 192.168.4.74: icmp_seq=2 ttl=64 time=0.307 ms
64 bytes from 192.168.4.74: icmp_seq=3 ttl=64 time=0.300 ms
64 bytes from 192.168.4.74: icmp_seq=4 ttl=64 time=0.303 ms
64 bytes from 192.168.4.74: icmp_seq=5 ttl=64 time=0.303 ms
64 bytes from 192.168.4.74: icmp_seq=6 ttl=64 time=0.306 ms
64 bytes from 192.168.4.74: icmp_seq=7 ttl=64 time=0.292 ms
64 bytes from 192.168.4.74: icmp_seq=8 ttl=64 time=0.309 ms
64 bytes from 192.168.4.74: icmp_seq=9 ttl=64 time=0.338 ms
64 bytes from 192.168.4.74: icmp_seq=10 ttl=64 time=0.334 ms
64 bytes from 192.168.4.74: icmp_seq=11 ttl=64 time=0.323 ms
```

and check the result. Check another address in case no connection.

Change myCNC controller IP address if no connection. Connect myCNC controller to the Host by USB cable and run Minicom software

```
sudo minicom -D /dev/ttyUSB0
```

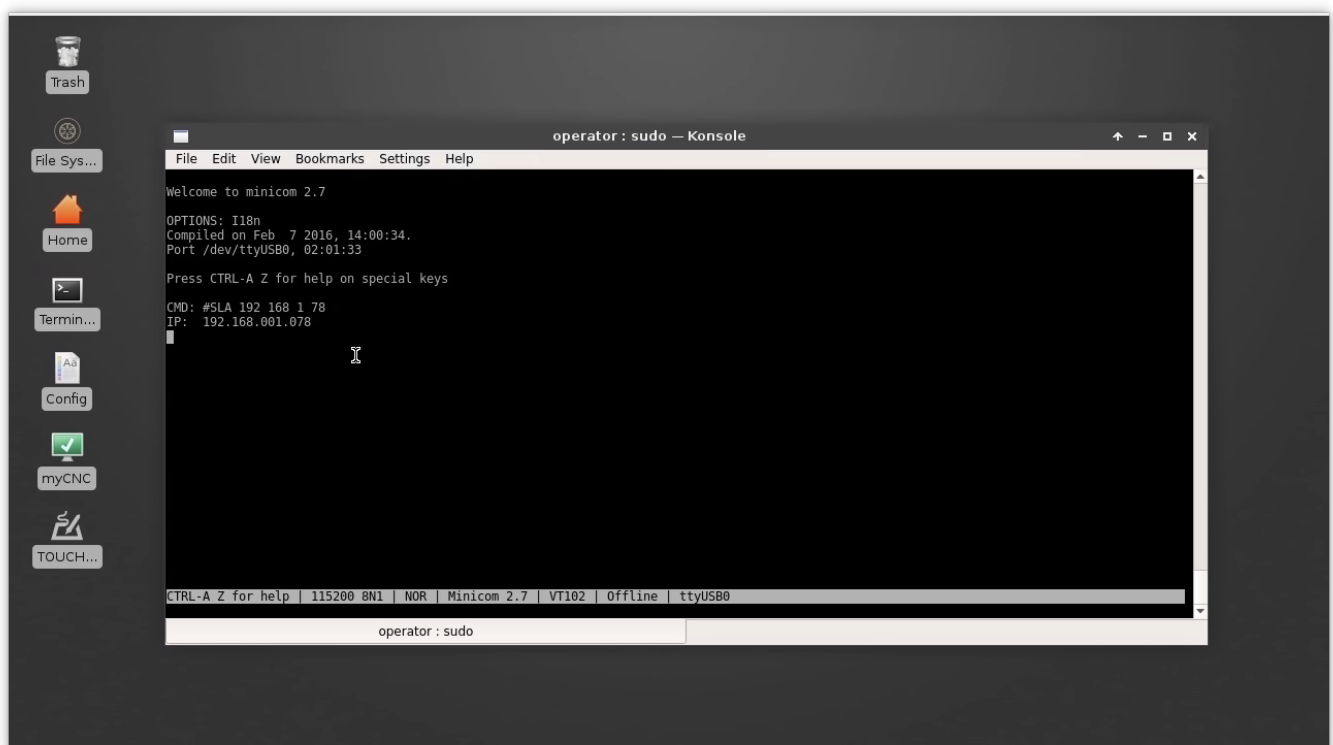


In the minicom software run command to change IP address

```
#SLA 192 168 4 78
```

and check the reply

```
IP: 192.168.004.078
```

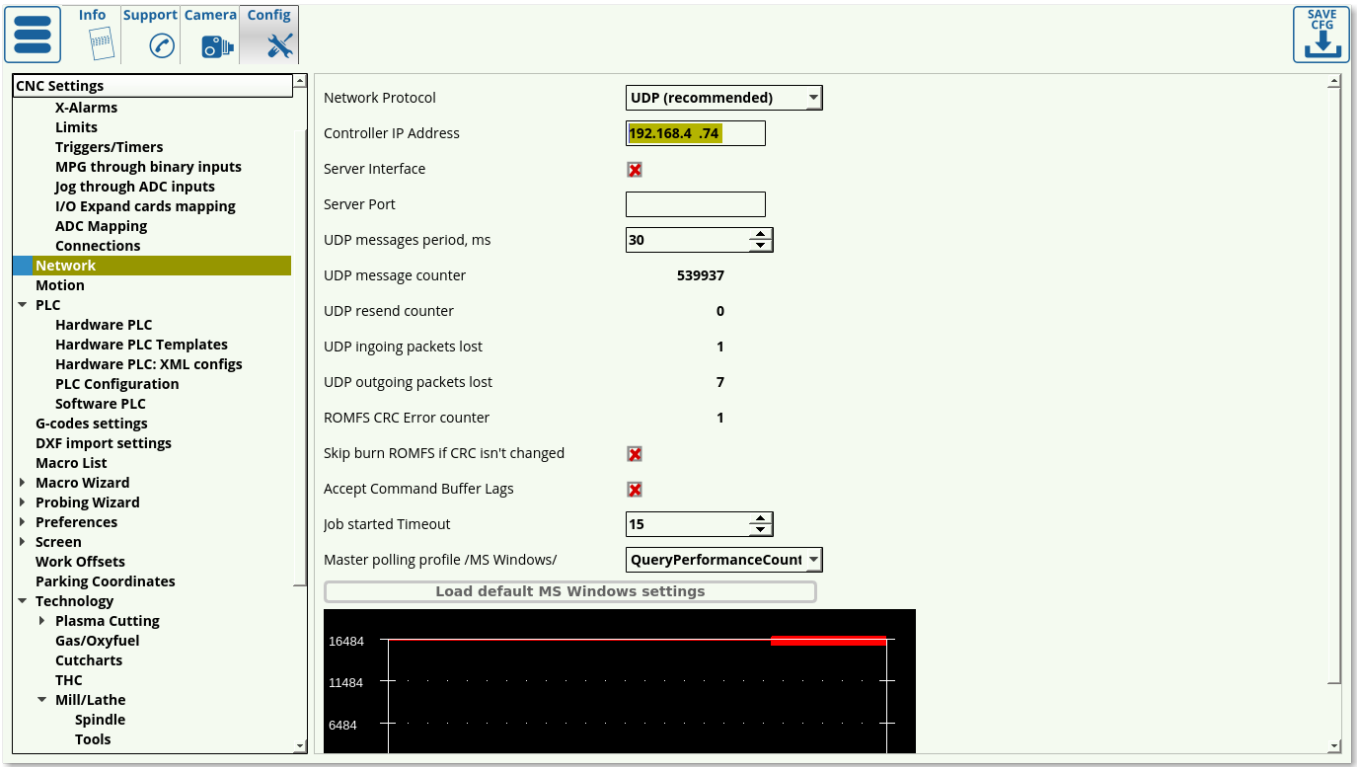


Exit from Minicom (CTRL-A Q), repeat the pinging step to ping the board

3. Check myCNC software Network settings.

myCNC control board IP address should be set in the myCNC software.

Go to Settings > Config > Network window and enter the **Controller IP Address** to be the IP address assigned for your myCNC controller.



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