No Connection between myCNC controller and Armbrian Linux

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

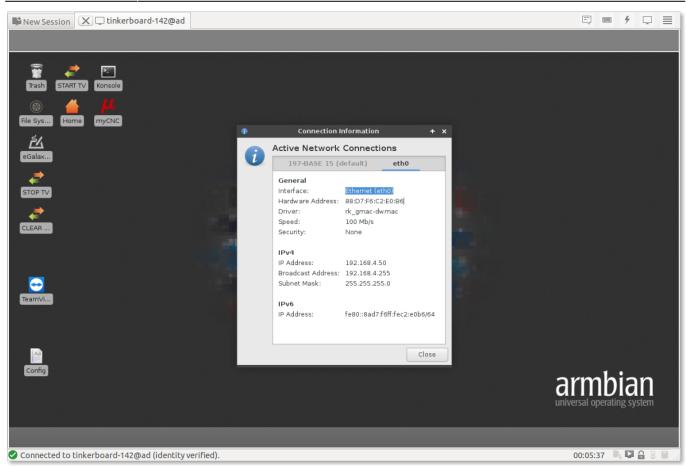
Click right button on a network icon on the top panel and select "Connection information" in a popup menu.



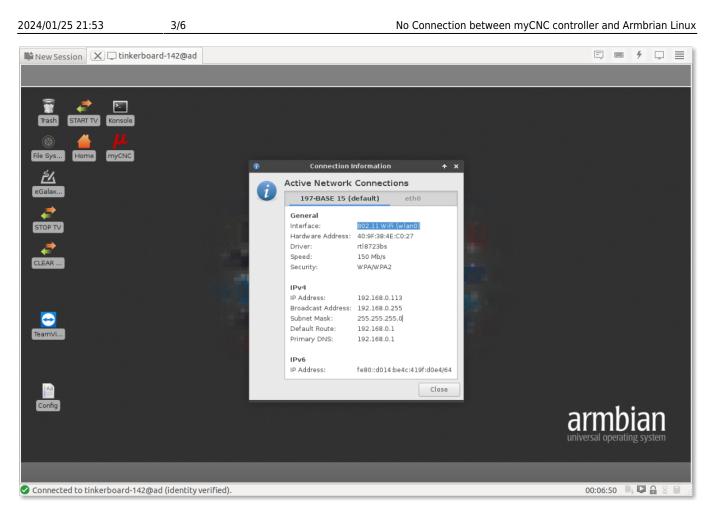
- Check if there is "eth0" tab in "Connection Information" dialog.
- Check what IP addresses are configured for LAN. IP addresses by default are:

IP Address: 192.168.4.50

Last update: 2024/01/25 12:00 troubleshooting:no_connection:armbrian http://docs.pv-automation.com/troubleshooting/no_connection/armbrian



- 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

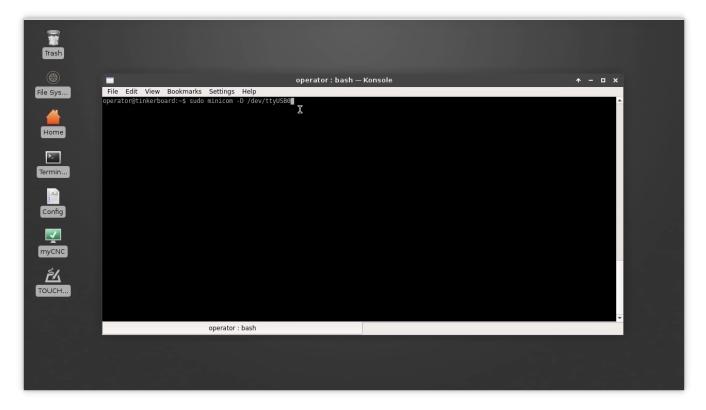
ping 192.168.4.78

New Session 🗶 🖵 tinkerboard-142@ad	5	۶ 🖓	≣
operator : ping — Konsole		* -	• ×
File Edit View Boxhmarks Settings Help Prime 1021.108.4.74 152.108.4.74 126.84.74 120.108.4.74 <td< th=""><th></th><th></th><th></th></td<>			
operator : ping			•
Connected to tinkerboard-142@ad (identity verified).	00:08:32	D, D 🔒 🛛	

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

Trash	
<u></u>	operator: sudo — Konsole 🛧 – 🛛 🗙
File Sys	File Edit View Bookmarks Settings Help
4	Welcome to minicom 2.7
Home	OPTIONS: 118n Compiled on Feb 7 2016, 14:00:34. Port /dev/ttyUSB0, 02:01:33
2-	Press CTRL-A Z for help on special keys
Termin	CMD: #SLA 192 168 1 78 IP: 192.168.001.078
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Config	
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myCNC	
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	CTRL-A Z for help 115200 8N1 NOR Minicom 2.7 VT102 Offline ttyUSB0
	operator : sudo

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

3. Check myCNC software Network settings.

myCNC control board IP adderess 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.

CNC Settings A X-Alarms Imits Limits Controller IP Address Triggers/Timers Controller IP Address Jog through binary inputs Server Interface Jog through ADC inputs Server Port L/D P message speriod, ms 30 Network UDP message counter VDP message counter 539937 UDP resend counter 0 Hardware PLC UDP ingoing packets lost Hardware PLC UDP outgoing packets lost Hardware PLC ROMFS CRC Error counter Software PLC ROMFS CRC Error counter DXF import settings Skip burn ROMFS If CRC Isn't changed Macro List Accept Command Buffer Lags
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Technology Plasma Cutting
Priasma Cutting Gas/Oxyfuel 16484
Cutcharts 10494
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Spindle 6484
Tools 0454

From: http://docs.pv-automation.com/ - myCNC Online Documentation



Permanent link:

http://docs.pv-automation.com/troubleshooting/no_connection/armbrian

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