

How to connect Nextion LCD (<https://www.itead.cc/nextion-nx3224t024.html>) ?

1. Raspberry Pi via GPIO Header

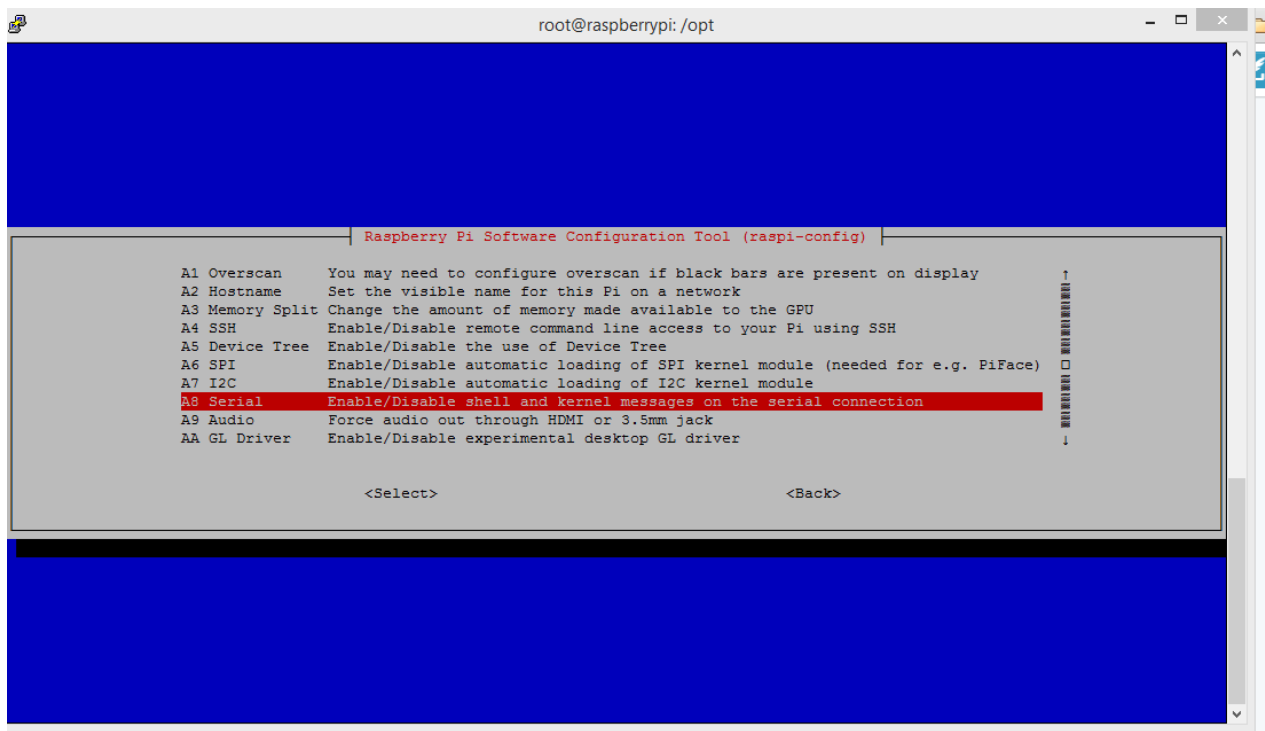
BE SURE to Disable serial console on `/dev/ttyAMA0` ..

Simple way is

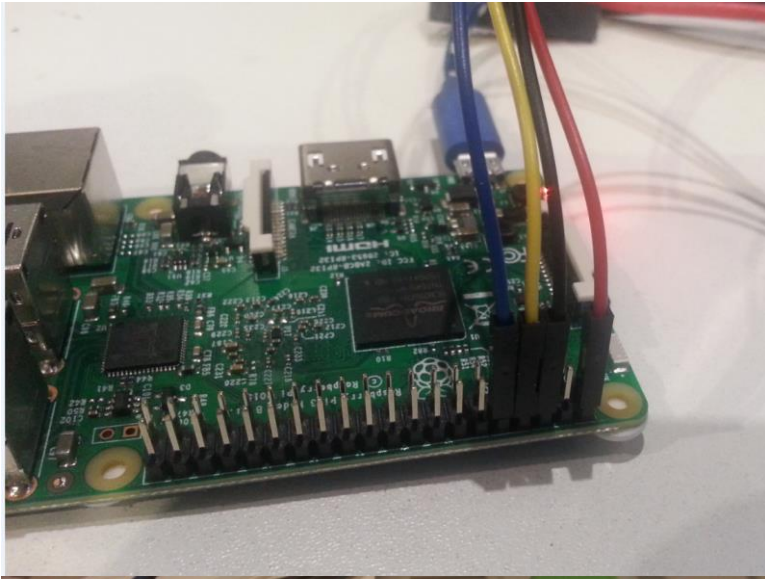
`Sudo raspi-config`

Option 9

Option A8 NO



Connect LCD to RPI GPIO Header



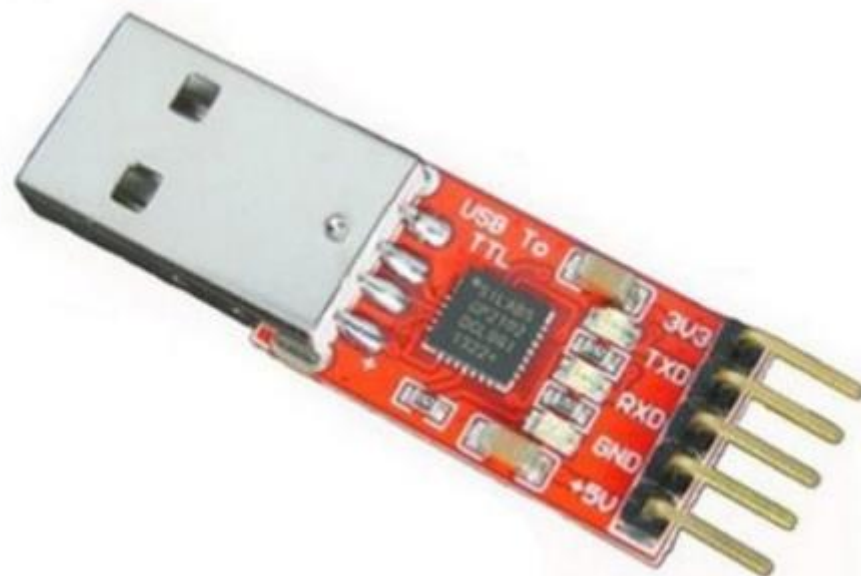
Red = +5V

Black = GNS

Yellow = RX of LCD -> TX of RPI

Blue = Tx of LCD -> RX of RPI

2. USB to TTL (on a windows pc or raspberry pi with DVMEGA radio ..)



RED on +5
BLACK on GND
BLUE on RXD
YELLOW on TXD

How to setup software Nextion display for MMDVM ?

1. Windows

Download nextion editor :

<http://nextion.itead.cc/download.html>

Connect your nextion display via a usb to ttl converter.

Open the HMI file include in mmdvm sources (MMDVM.HMI in \Nextion)

Compile – and press upload and select the comport of usb2ttl .

2. Micro-SDCARD upload

In \Nextion dir from sources (github) copy MMDVM.TFT to Micro-SD Card
Put microSD in LCD and powercycle (remove 5V)
Updating will start and the MMDVM logo will appear from now on.

3. Linux Command line upgrade on a raspberry pi on /dev/ttyAMA0

Use git to download sources (the simple way to keep up to date)

```
apt-get install git python-serial phyton
```

```
cd /opt
```

```
git clone https://github.com/g4klx/MMDVMHost
```

```
cd MMDVMHost/Nextion
```

```
python nextion.py MMDVM.tft
```

done – the MMDVM logo should now be visible

4. Linux Command line upgrade on a raspberry pi on /dev/ttyUSB0 or others (using a Usb to TTL)

Use git to download sources (the simple way to keep up to date)

```
apt-get install git python-serial phyton
```

```
cd /opt
```

```
git clone https://github.com/g4klx/MMDVMHost
```

```
cd MMDVMHost/Nextion
```

```
nano nextion.py -> change /dev/ttyAMA0 to port you are using /dev/ttyUSB0 ?
```

```
python nextion.py MMDVM.tft
```

done – the MMDVM logo should now be visible

5. Edit MMDVM.INI

```
Display=Nextion
```

```
[Nextion]
```

```
Port=/dev/ttyAMA0 ( what port u are using )
```

```
Brightness=50
```

Questions ? ask in the MMDVM group .. 73 Tom ON4TOP