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

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

₽	root@raspberrypi: /opt	- • >	-
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	Al Overscan You may need to configure overscan if black bars are present on display Al Overscan You may need to configure overscan if black bars are present on display A2 Hostname Set the visible name for this Pi on a network A3 Memory Split Change the amount of memory made available to the GPU A A4 SSH Enable/Disable remote command line access to your Pi using SSH A5 Device Tree Enable/Disable automatic loading of SPI kernel module (needed for e.g. PiFace) A7 12C Enable/Disable automatic loading of SPI kernel module A8 Serial Enable/Disable automatic loading of 12C kernel module A9 Audio Force audio out through HDMI or 3.5mm jack AA GL Driver Enable/Disable experimental desktop GL driver		
	<select> <back></back></select>		*

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 nexion 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 apear from now on.

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

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 vissible

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 your are using /dev/ttyUSB0 ?

python nextion.py MMDVM.tft

done - the MMDVM logo should now be vissible

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