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 –	×	
		^	
	Raspberry Pi Software Configuration Tool (raspi-config)		
A2 Hostname A3 Memory Split A4 SSH	You may need to configure overscan if black bars are present on display Set the visible name for this Pi on a network Change the amount of memory made available to the GPU Enable/Disable remote command line access to your Pi using SSH Enable/Disable the use of Device Tree Enable/Disable automatic loading of SPI kernel module (needed for e.g. PiFace) Enable/Disable sutematic loading of I2C kernel module Enable/Disable shell and kernel messages on the serial connection Force audio out through HDMI or 3.5mm jack 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