Nextion Driver Install for Pi-Star

VK3CRT

1. Log into Pi Star SSH
2. Change directory to tmp
   cd /tmp
3. Chance Pi to read / write mode
   rpi-rw

4. Run the following commands and wait for each to finish

   sudo git clone https://github.com/on7lds/NextionDriverInstaller.git

   sudo NextionDriverInstaller/install.sh

5. It will then ask if you want to reboot Pi. ALWAYS select Yes
   Type Y and press enter
6. Log back into Pi after reboot
7. Change to dev directory
   cd /dev
   List the directory and make sure that the file *ttyNextionDriver* is there. If it is then go to step 10
   Type ls
8. If the driver is not there. Do the following

   cd /usr/local/bin

   sudo cp NextionDriver /dev/ttyNextionDriver

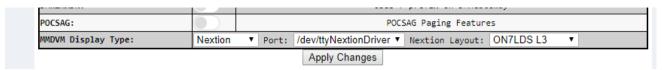9. Check to make sure that the driver is installed correctly

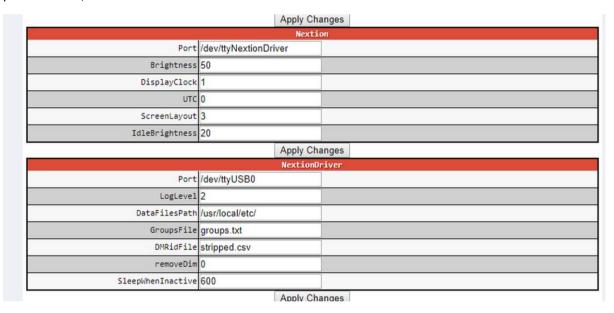   **sudo NextionDriverInstaller/check_installation.sh**

10. Exit SSH

11. In Pi Dashboard Configuration page

You should now have the Nextion driver in the MMDVM Display type as pictured below.

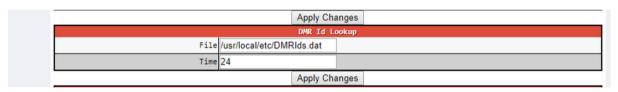|		
POCSAG:	⚪	POCSAG Paging Features
MMDVM Display Type:	Nextion ▾	Port: /dev/ttyNextionDriver ▾	Nextion Layout: ON7LDS L3 ▾

Apply Changes

12. Go into Expert MMDVMHost

Scroll down to the Nextion settings and confirm that the driver is selected, and you have the correct port selected, Modem or USB
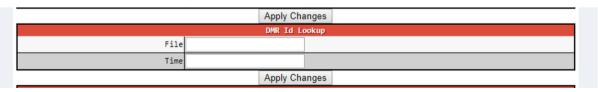
Apply Changes

Nextion	
Port	/dev/ttyNextionDriver
Brightness	50
DisplayClock	1
UTC	0
ScreenLayout	3
IdleBrightness	20

Apply Changes

NextionDriver	
Port	/dev/ttyUSB0
LogLevel	2
DataFilesPath	/usr/local/etc/
GroupsFile	groups.txt
DMRidFile	stripped.csv
removeDim	0
SleepWhenInactive	600

Apply Changes

13. Scroll back up and locate the DMR Id Lookup

Delete this entry and apply

Original setting

Apply Changes

DMR Id Lookup	
File	/usr/local/etc/DMRIds.dat
Time	24

Apply Changes

New Setting

Apply Changes

DMR Id Lookup	
File	
Time	

Apply Changes

This now the PI uses the stripped.csv file for DMR ID and location data.

You can modify this file to suit your needs. For example, all VK DMR id's have been updated with Allan's VK3SLR enhancements in the file that we are running.

NB. If you do an update to PI, you may have to do step 12 again