# FAQ Nextion.driver by ON7LDS

Rob van Rheenen edited this page on 2 Nov · 10 revisions

### **NEXTION DRIVER by ON7LDS**

To be more flexible programming your Nextion for the MMDVMHost / Pi-Star setup, OM Lieven (ON7LDS) wrote a Nextion Driver.

It is **mandatory** for my **Model 8** screens; I did not implement all possibilities (yet, work in progress), thought with the written procedure 'how to install' this driver you have all possibilities as are on this page.

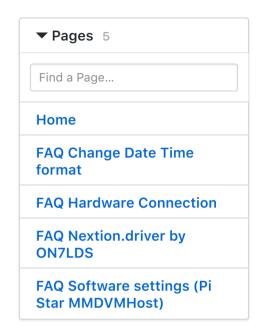
The following text is written by ON7LDS (at the end of this text, there is a "how-to-install" part):

The pùrpoše of this program is to provide additional control for Nextion display layouts other than the MMDVMHost supplied layouts\*It does this by sitting between MMDVMHost and the Nextion Display\*This program takes the commands\*sent by MMDVMHost and translates\*changes\*adds or removes these commands\*

The program will have to read MMDVM\*ni to khow the Layout #so it can set the baudrate accordingly\*

The přogřam can take šome commandline pařameteřš#but it alšo iš poššible to šet the configuration pařameteřš in the MMDVM configuration file by adding an extra šection \*NextionDřiveř/\*

The NextionDřiveř přogřam will change the commands as needed and adds extra info extemperature TG, sinfo we temperature TG, sinfo TG, si



#### Clone this wiki locally

https://github.com/PD0DIB/N



This program also checks the network interface regularly and it will show the most recent IP address so you can check if the IP address changed\*

When the files, groups \*xit, and , stripped \*cso, are present \*tuser and talkgroup names will be looked up and sent to the display\*

a NOTE7 > böţh fileš have ţo be šorţed in ascending ID order [

<sup>a</sup> NOTE8 > föř ţhe ùšeř daţa löökùp ţö wöřk#yöù MUST šwiţch öff ţhe DMRID löökùp öf MMDVMHöšţ @heck README • exampleš in the Nexţion šubdiřecţöry#

The přögřam alsö has the ability of řeceiving commands fřom the Nextion display\*This way#one can přovide buttons on a layout and do something in the host when such a button is přessed\*One could#for example#make a "system, page on the Nextion with system info and buttons to restart MMDVMHost#reboot or poweroff the host#\*\*

Yeš#iţ iš pöššible @when NexţionDriver iš running#ţo sţarţ-sţop-resţarţ MMDVMHosţ wiţh buttons on the Nextion display [

### HOW TO INSTALL THE NEXTION DRIVER

log in to your Pi-Star with SSH

Then: cd /tmp

get the software

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

go!

sudo NextionDriverInstaller/install.sh

# Checking the installing (on Pi-Star)

log in to your Pi-Star with SSH

go to the /tmp directory

cd /tmp

get the software

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

NOTE: if you get an error that the destionation path exists, you already downloaded the software. The just ho to the next step.

go!

sudo NextionDriverInstaller/check\_installation.sh

You will notice that in the MMDVMHost beyond the Nextion part of that page, there are some additions regarding this Nextion Interface:

# Check your software settings in Pi-Star:

Goto the Expert Page => MMDVMHost Editor (or mmdvmhost.ini file) to the Nextion part

- check/set in the Nextion part, the driver at /dev/ttyNextionDriver (USB adapter) or /dev/ttyAMAO (connected to GPIO-RPi)
- check/set in the NextionDriver part
  - Port: /dev/ttyUSB0 (for USB adapter) or /dev/ttyAMA0 (connected to the GPIO pins of RPi)\*\*\*\*

LogLevel: 2

DataFilesPath: /usr/local/etc/

GroupsFile: groups.txt

DMRidFile: stripped.csv

Reboot your hotspot.

Now you are ready to use the Model 7 Extended Edition screen layouts

73 de PD0DIB

Home page