

Nextion 串口屏驱动安装方法

-----BD3OYD

目前 MMDVM 所使用的 Nextion 驱动由 ON7LDS 开发，很多 ham 在更新驱动时不成功，更新后主屏仅有温度显示，主频，负载等信息空白，这些都是驱动没成功安装的表现。

同时驱动的源文件因为是放在国外的服务器，国内访问大部分时间不成功，为了解决代码运行过程中连接 GitHub 服务器总是超时的问题，目前已将驱动的代码引用至国内的 gitee 服务器上，在此讲解一下驱动的安装方法：

1. 在 pistar 仪表盘→配置页面点恢复出厂设置



2. 再次进入页面后根据盒子选择双工或者单工模式，选择好以后应用设置

Pi-Star:4.1.5 / Dashboard: 20211021

Pi-Star Digital Voice - Configuration

Dashboard | Admin | Expert | Power | Update | Backup/Restore | Factory Reset

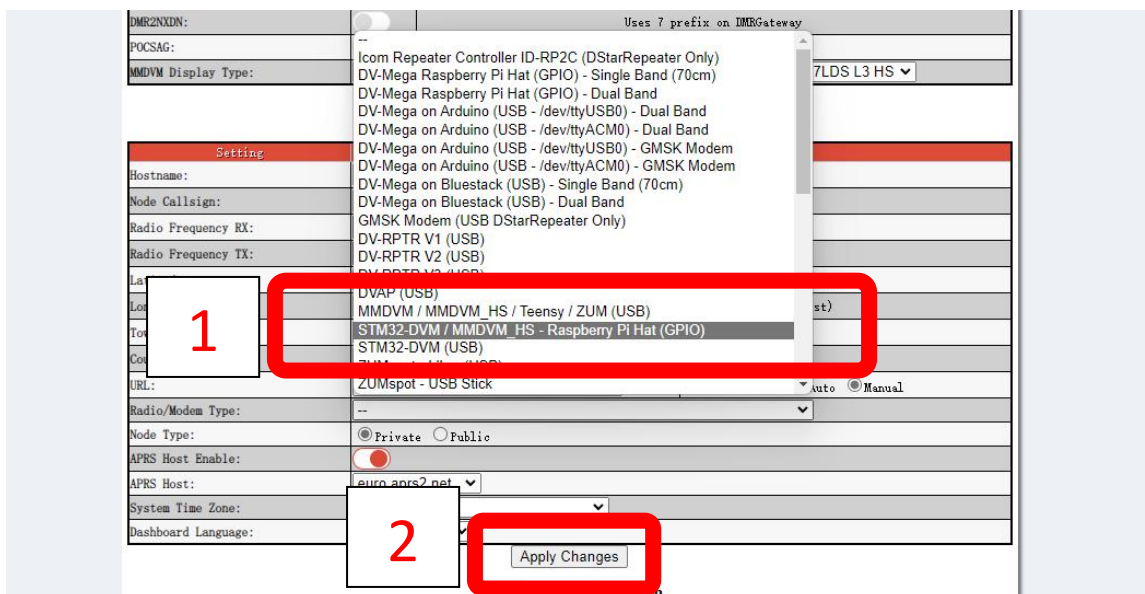
Gateway Hardware Information				
Hostname	Kernel	Platform	CPU Load	CPU Temp
pi-star	5.10.63-v7+	Raspberry Pi 3 Model B Rev 1.2	0.67 / 0.71 / 0.39	45.1° C / 113.2° F

Control Software	
Setting	Value
Controller Software	1 ☒ MMDVMHost (DV-Mega Minimum Firmware 3.07 Required)
Controller Mode:	2 ☒ Duplex Repeater (or Half-Duplex on Hotspots)

3. 等待刷新进入页面后，选择 nextion 配置，如下图

MMDVMHost Configuration				
Setting		Value		
DMR Mode:	☐	RF Hangtime:	20	Net Hangtime: 20
D-Star Mode:	☐	RF Hangtime:	20	Net Hangtime: 20
YSF Mode:	☐	RF Hangtime:	20	Net Hangtime: 20
P25 Mode:	☐	RF Hangtime:	20	Net Hangtime: 20
NXDN Mode:	☐	RF Hangtime:	20	Net Hangtime: 20
YSF2DMR:	☐			
YSF2NXDN:	☐			
YSF2P25:	☐			
DMR2YSF:	☐	Uses 7 prefix on DMRGateway		
DMR2NXDN:	☐	Uses 7 prefix on DMRGateway		
POCSAG:	☐	POCSAG Paging Features		
MMDVM Display Type:	Nextion v	Port:	modem v	Nextion Layout: ON7LDS L3 HS v

4. 选择热点版类型 STM32-DVM，选择后应用设置。



5. 进入 Expert→SSH，输入账户名 pi-star 密码 raspberry
(输入时不会显示)，回车



6. 依次运行以下代码 复制一行粘贴进去点回车，一行一行执行。

```
rpi-rw
sudo rm -rf /usr/local/bin/NextionDriver
sudo rm -rf /etc/mmdvmhost.old
cd /tmp
sudo git clone https://gitee.com/BD3OYD/NextionDriverInstaller.git
sudo NextionDriverInstaller/install.sh
```

Pi-Star Digital Voice - Expert Editors

[Dashboard](#) | [Admin](#) | [Update](#) | [Upgrade](#) | [Backup/Restore](#) | [Configuration](#)

Quick Edit: DStarRepeater | ircDDBGateway | TimeServer | MMDVMHost | DMR GW | YSF GW | P25 GW | NXDN GW | DAPNET GW
Full Edit: DMR GW | PiStar-Remote | WiFi | BM API | DAPNET API | System Cron | RSSI Dat **Tools:** CSS Tool | SSH Access

```
SSH - Pi-Star
Password:
Linux pi-star 5.10.63-v7+ #1459 SMP Wed Oct 6 16:41:10 BST 2021 armv7l

PI-STAR

The Pi-Star Dashboard can be found at one of the following locations:
http://pi-star/ http://pi-star.local/ http://192.168.3.135/

Pi-Star's disk is read-only by default, enable read-write with "rpi-rw".
Pi-Star built by Andy Taylor (MW0MWZ), pi-star tools all start "pistar-".

Welcome to Pi-Star: v4.1.5

pi-star@pi-star(rw):~$
```

[Click here for fullscreen SSH client](#)

Pi-Star web config, © Andy Taylor (MW0MWZ) 2014-2021.
 Need help? [Click here for the Support Group](#)
 Get your copy of Pi-Star from [here](#).

Quick Edit: DStarRepeater | ircDDBGateway | TimeServer | MMDVMHost | DMR GW | YSF GW | P25 GW | NXDN GW | DAPNET GW
Full Edit: DMR GW | PiStar-Remote | WiFi | BM API | DAPNET API | System Cron | RSSI Dat **Tools:** CSS Tool | SSH Access

```
SSH - Pi-Star

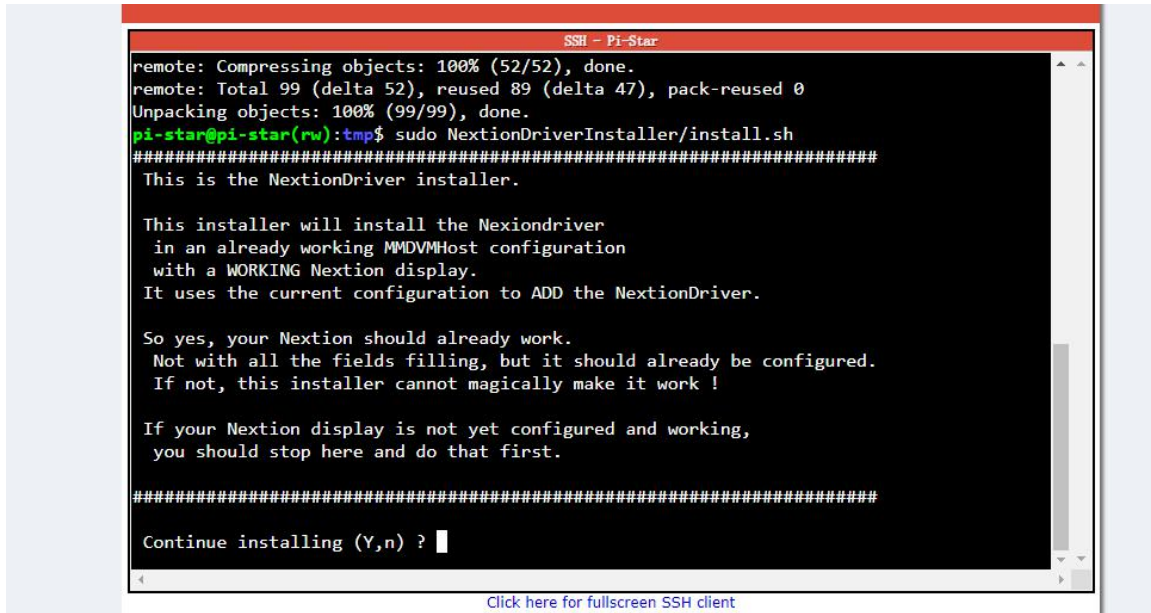
PI-STAR

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http://pi-star/ http://pi-star.local/ http://192.168.3.135/

Pi-Star's disk is read-only by default, enable read-write with "rpi-rw".
Pi-Star built by Andy Taylor (MW0MWZ), pi-star tools all start "pistar-".

Welcome to Pi-Star: v4.1.5

pi-star@pi-star(rw):~$ sudo rm -rf /usr/local/bin/NextionDriver
pi-star@pi-star(rw):~$ sudo rm -rf /etc/mmdvmhost.old
pi-star@pi-star(rw):~$ cd /tmp
pi-star@pi-star(rw):tmp$ sudo git clone https://gitee.com/BD30YD/NextionDriverInstall
er.git
```



```
SSH - Pi-Star
remote: Compressing objects: 100% (52/52), done.
remote: Total 99 (delta 52), reused 89 (delta 47), pack-reused 0
Unpacking objects: 100% (99/99), done.
pi-star@pi-star(rw):tmp$ sudo NextionDriverInstaller/install.sh
#####
This is the NextionDriver installer.

This installer will install the Nexiondriver
in an already working MMDVMHost configuration
with a WORKING Nextion display.
It uses the current configuration to ADD the NextionDriver.

So yes, your Nextion should already work.
Not with all the fields filling, but it should already be configured.
If not, this installer cannot magically make it work !

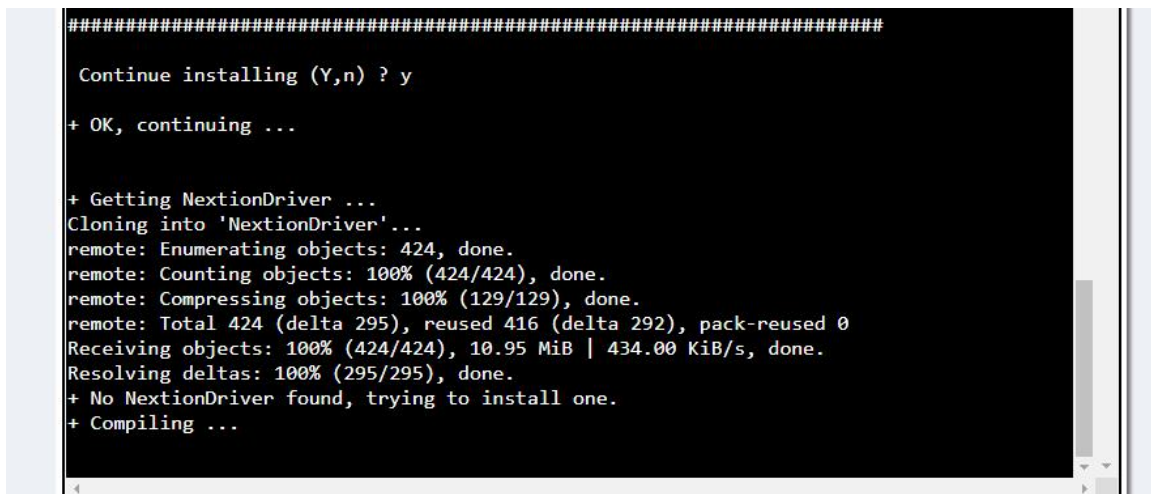
If your Nextion display is not yet configured and working,
you should stop here and do that first.

#####

Continue installing (Y,n) ?
```

[Click here for fullscreen SSH client](#)

执行到上图这一步的时候是询问是否确认安装驱动，记得用键盘输入一个 y，输入以后就是下图，等待就行。



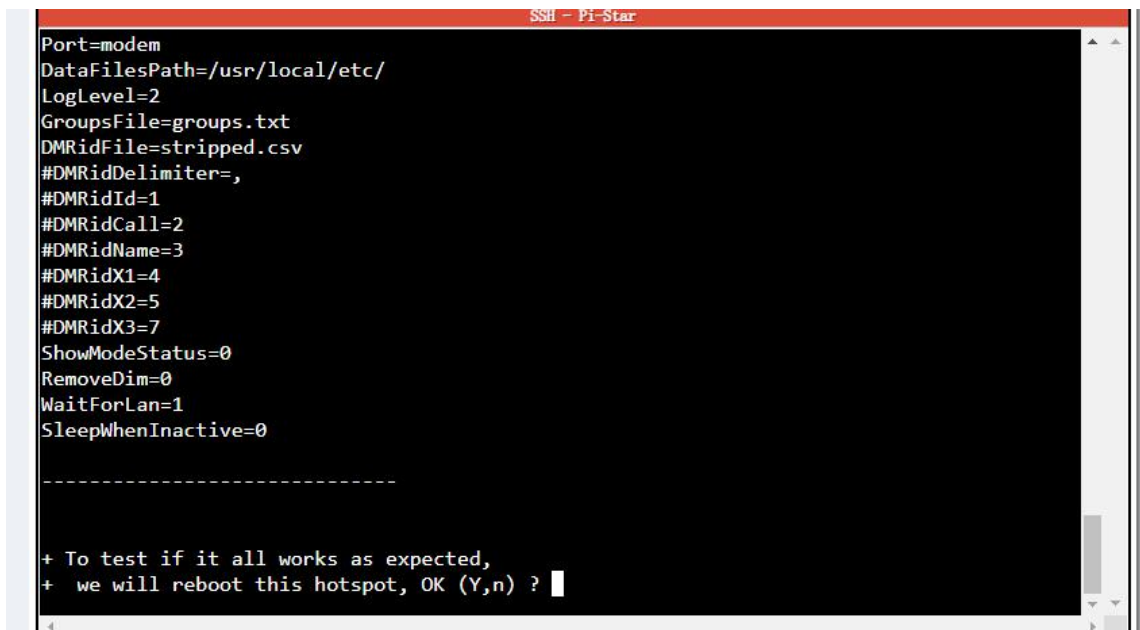
```
#####

Continue installing (Y,n) ? y

+ OK, continuing ...

+ Getting NextionDriver ...
Cloning into 'NextionDriver'...
remote: Enumerating objects: 424, done.
remote: Counting objects: 100% (424/424), done.
remote: Compressing objects: 100% (129/129), done.
remote: Total 424 (delta 295), reused 416 (delta 292), pack-reused 0
Receiving objects: 100% (424/424), 10.95 MiB | 434.00 KiB/s, done.
Resolving deltas: 100% (295/295), done.
+ No NextionDriver found, trying to install one.
+ Compiling ...
```

安装好以后会出现下面这个界面，屏幕的端口以及其他配置信息会列出来，只有这样才是安装成功，提示是否重启的时候点一下 Y，重启后屏幕驱动就安装好了，可以正常显示了。



```
SSH - Pi-Star
Port=modem
DataFilePath=/usr/local/etc/
LogLevel=2
GroupsFile=groups.txt
DMRidFile=stripped.csv
#DMRidDelimiter=,
#DMRidId=1
#DMRidCall=2
#DMRidName=3
#DMRidX1=4
#DMRidX2=5
#DMRidX3=7
ShowModeStatus=0
RemoveDim=0
WaitForLan=1
SleepWhenInactive=0

-----

+ To test if it all works as expected,
+ we will reboot this hotspot, OK (Y,n) ?
```

实测安装驱动过程中会自动覆盖通讯录，如果喜欢英文通讯录执行到这里就结束了，如果需要

中文通讯录继续执行下面的代码：

```
rpi-rw;
```

```
cd /tmp;
```

```
sudo git clone https://gitee.com/BD3OYD/MMDVM.git;
```

```
cd /tmp/MMDVM;
```

```
sudo cp stripped.csv /usr/local/etc;
```