

HIFI DAC+/PIFI DAC + V2.0 RASPBIAN CONFIGURATION

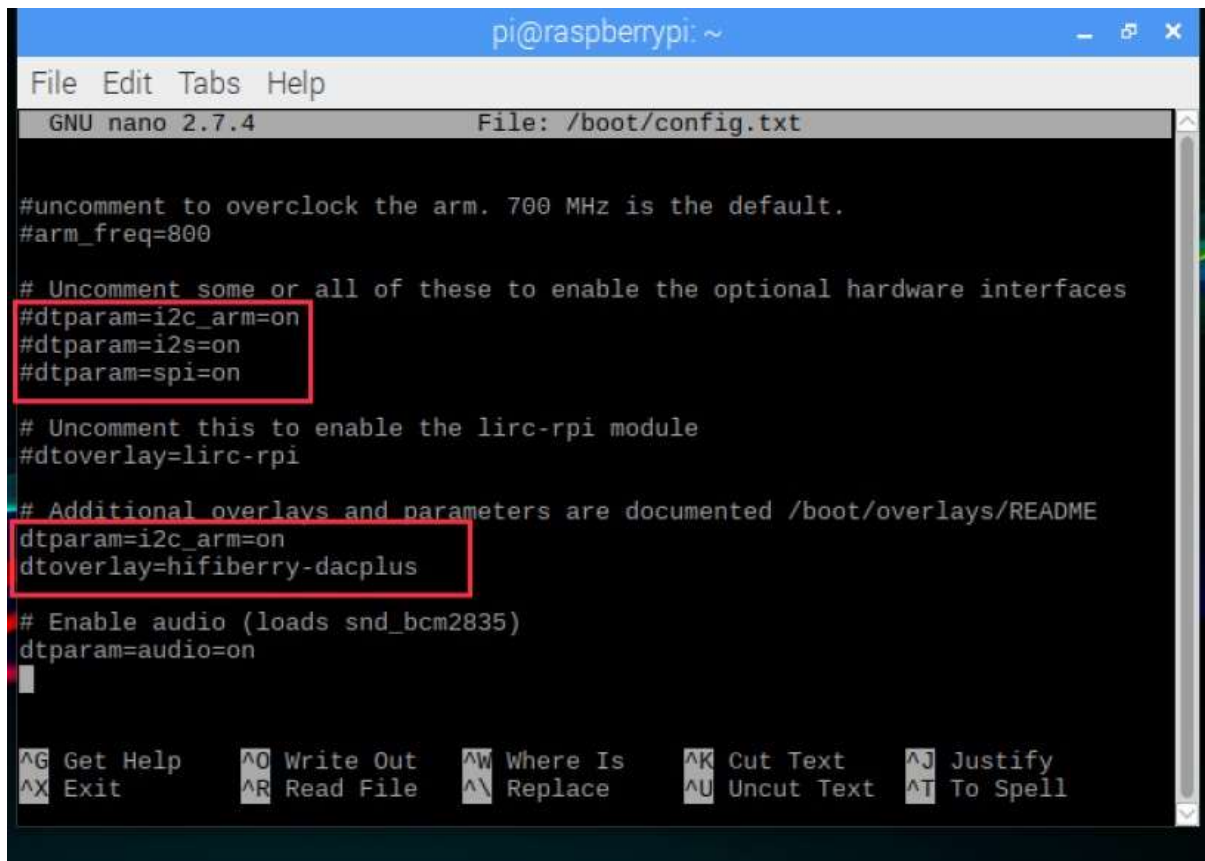
Version: PIFI DAC+ V2.0
Release date: 18-07-2018
Kernel version: 4.14

<1> To ensure that the necessary kernel modules are loaded at boot, ensure your /boot/config.txt file has the entry below ...

```
pi@raspberrypi ~ $ sudo nano /boot/config.txt
```

Make these two changes in the file as shown in figure

```
dtoverlay=i2c_arm=on  
dtoverlay=hifiberry-dacplus
```



```
pi@raspberrypi: ~  
File Edit Tabs Help  
GNU nano 2.7.4 File: /boot/config.txt  
  
#uncomment to overclock the arm. 700 MHz is the default.  
#arm_freq=800  
  
# Uncomment some or all of these to enable the optional hardware interfaces  
#dtoverlay=i2c_arm=on  
#dtoverlay=i2s=on  
#dtoverlay=spi=on  
  
# Uncomment this to enable the lirc-rpi module  
#dtoverlay=lirc-rpi  
  
# Additional overlays and parameters are documented /boot/overlays/README  
dtoverlay=i2c_arm=on  
dtoverlay=hifiberry-dacplus  
  
# Enable audio (loads snd_bcm2835)  
dtoverlay=audio=on  
  
^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify  
^X Exit      ^R Read File  ^\ Replace   ^U Uncut Text ^T To Spell
```

<2> You must enable i2C support in order to operate. On the Raspberry Pi check if you have the following file and if so delete the line containing i2c-bcm2708 and sndsoc-pcm512x.

```
pi@raspberrypi ~ $ sudo nano /etc/modprobe.d/raspi-blacklist.conf
```

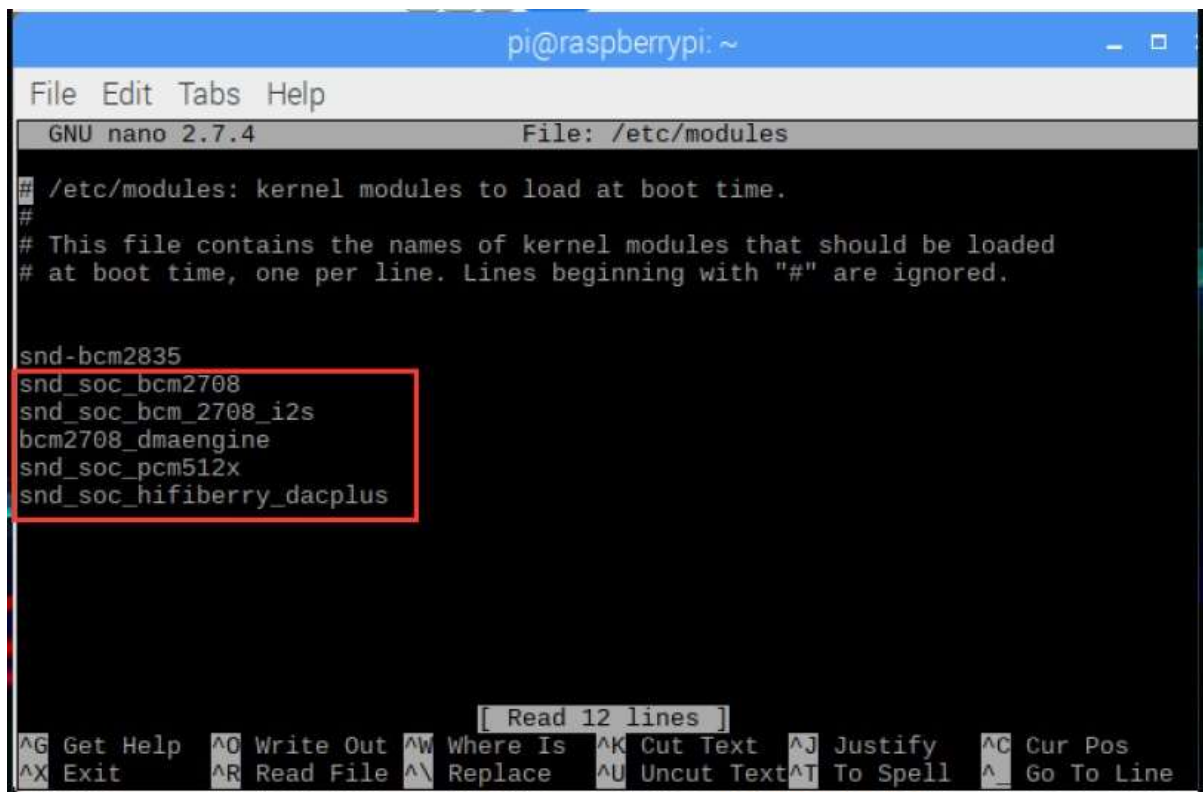
Delete or comment out the lines containing the text below if it exists

```
blacklist i2c-bcm2708  
blacklist snd-soc-pcm512x
```

<3> To ensure that the necessary kernel modules are loaded at boot, ensure your /etc/modules file looks the same as below...

```
pi@raspberrypi ~$ sudo nano /etc/modules
```

```
snd-bcm2835  
snd_soc_bcm2708  
snd_soc_bcm_2708_i2s  
bcm2708_dmaengine  
snd_soc_pcm512x  
snd_soc_hifiberry_dacplus
```



```
pi@raspberrypi: ~  
File Edit Tabs Help  
GNU nano 2.7.4 File: /etc/modules  
# /etc/modules: kernel modules to load at boot time.  
#  
# This file contains the names of kernel modules that should be loaded  
# at boot time, one per line. Lines beginning with "#" are ignored.  
  
snd-bcm2835  
snd_soc_bcm2708  
snd_soc_bcm_2708_i2s  
bcm2708_dmaengine  
snd_soc_pcm512x  
snd_soc_hifiberry_dacplus  
  
[ Read 12 lines ]  
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos  
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

<4> Flush your filesystem changes and reboot the Raspberry Pi

```
pi@raspberrypi ~$ sync  
pi@raspberrypi ~$ sudo reboot
```

<5> Using your mouse to right click the icon of speaker and select " snd_rpi_hifiberry_dacplus "

