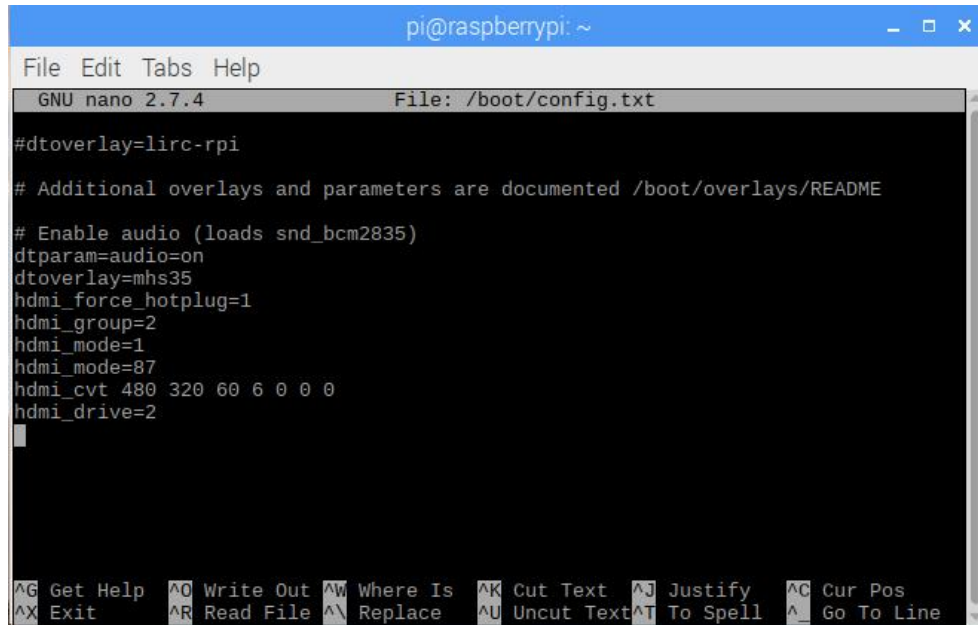


Open config.txt file, we run command

```
sudo nano /boot/config.txt
```

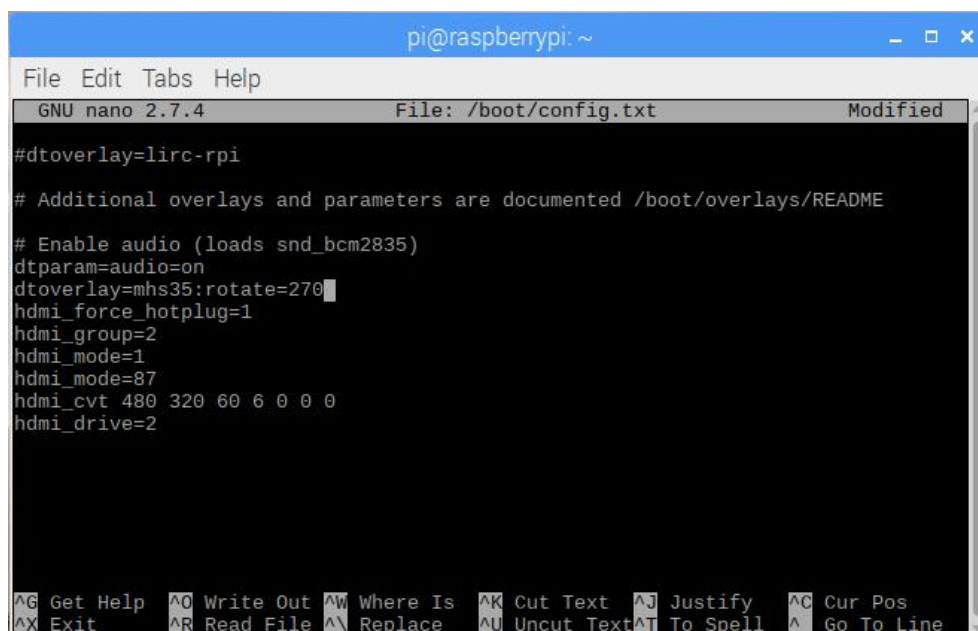


```
pi@raspberrypi: ~  
File Edit Tabs Help  
GNU nano 2.7.4 File: /boot/config.txt  
#dtoverlay=lirc-rpi  
# Additional overlays and parameters are documented /boot/overlays/README  
# Enable audio (loads snd_bcm2835)  
dtparam=audio=on  
dtoverlay=mhs35  
hdmi_force_hotplug=1  
hdmi_group=2  
hdmi_mode=1  
hdmi_mode=87  
hdmi_cvt 480 320 60 6 0 0 0  
hdmi_drive=2  
^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
```

If we want to rotate the display, we should change “dtoverlay” to

```
Dtoverlay=mhs35:rotate=value
```

Value =0 or 90 or 180 or 270. (you can try the different value to show different direction, default is 90)



```
pi@raspberrypi: ~  
File Edit Tabs Help  
GNU nano 2.7.4 File: /boot/config.txt Modified  
#dtoverlay=lirc-rpi  
# Additional overlays and parameters are documented /boot/overlays/README  
# Enable audio (loads snd_bcm2835)  
dtparam=audio=on  
dtoverlay=mhs35:rotate=270  
hdmi_force_hotplug=1  
hdmi_group=2  
hdmi_mode=1  
hdmi_mode=87  
hdmi_cvt 480 320 60 6 0 0 0  
hdmi_drive=2  
^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
```

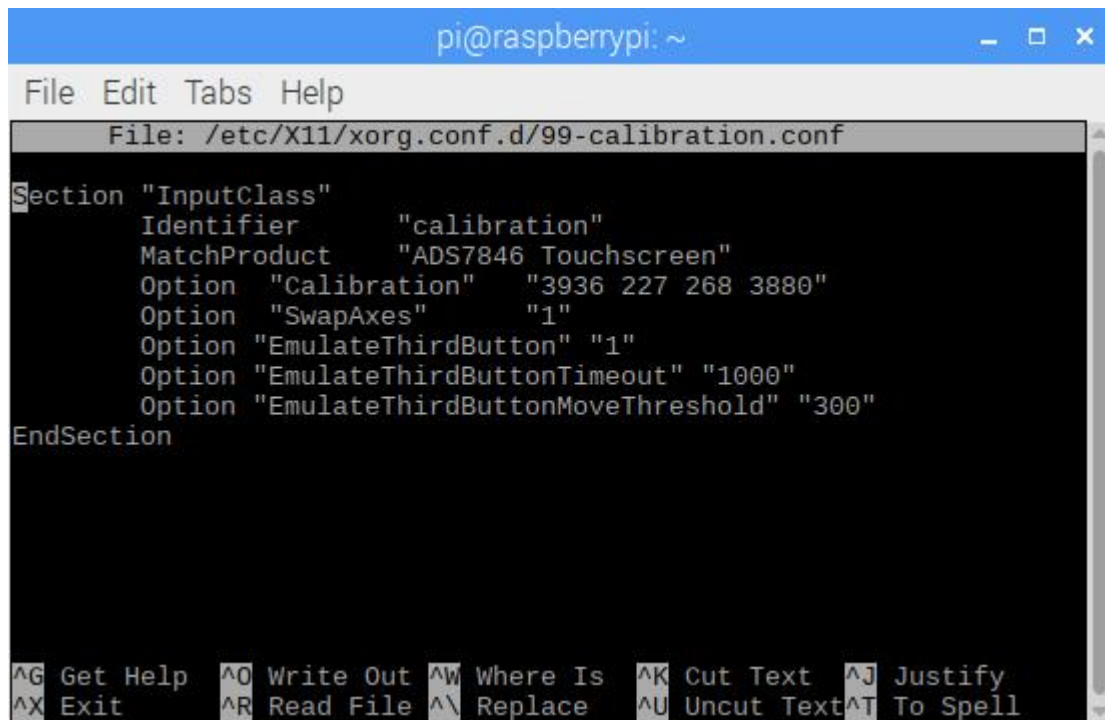
Save and log out

```
sudo reboot
```

After success, we should modify resistance touch parameters

Please run command

```
sudo nano /etc/X11/xorg.conf.d/99-calibration.conf
```



```
pi@raspberrypi: ~  
File Edit Tabs Help  
File: /etc/X11/xorg.conf.d/99-calibration.conf  
Section "InputClass"  
    Identifier      "calibration"  
    MatchProduct    "ADS7846 Touchscreen"  
    Option "Calibration" "3936 227 268 3880"  
    Option "SwapAxes" "1"  
    Option "EmulateThirdButton" "1"  
    Option "EmulateThirdButtonTimeout" "1000"  
    Option "EmulateThirdButtonMoveThreshold" "300"  
EndSection  
  
^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
```

We can change

```
Option "Calibration" "3936 227 268 3880"
```

```
Option "SwapAxes" "1"
```

to Corresponding parameter

```
rotate=0 "268 3880 227 3936" "0"
```

```
rotate=90 "3936 227 268 3880" "1"
```

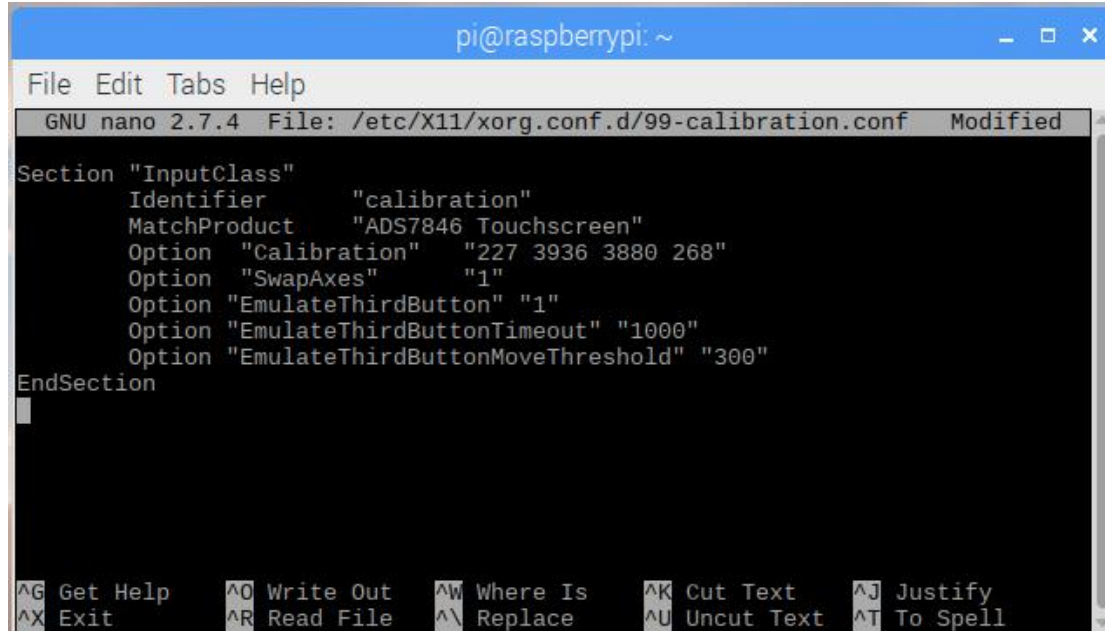
```
rotate=180 "3880 268 3936 227" "0"
```

```
rotate=270 "227 3936 3880 268" "1"
```

In example, we set the display directly

```
Dtoverlay=mhs35:rotate=270
```

Should adjust to



The screenshot shows the nano text editor on a Raspberry Pi. The title bar indicates the user is 'pi@raspberrypi' in the home directory. The menu bar includes 'File', 'Edit', 'Tabs', and 'Help'. The status bar at the top shows 'GNU nano 2.7.4', the file path '/etc/X11/xorg.conf.d/99-calibration.conf', and a 'Modified' status. The main text area contains the following configuration for the 'calibration' section:

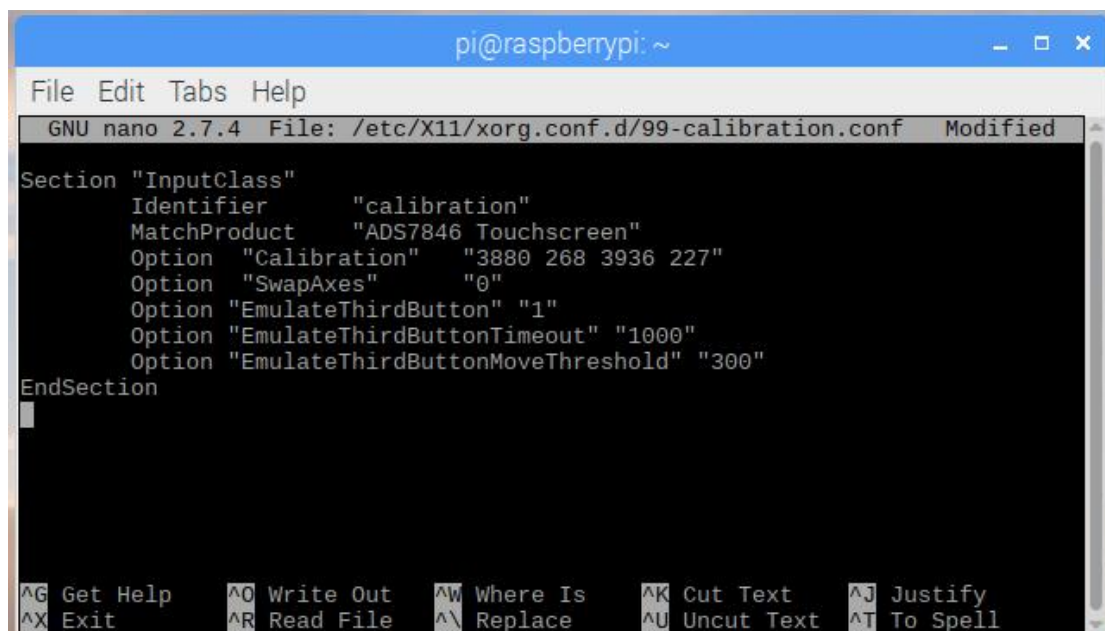
```
Section "InputClass"
    Identifier      "calibration"
    MatchProduct    "ADS7846 Touchscreen"
    Option "Calibration" "227 3936 3880 268"
    Option "SwapAxes" "1"
    Option "EmulateThirdButton" "1"
    Option "EmulateThirdButtonTimeout" "1000"
    Option "EmulateThirdButtonMoveThreshold" "300"
EndSection
```

The bottom status bar displays keyboard shortcuts: ^G Get Help, ^O Write Out, ^W Where Is, ^K Cut Text, ^J Justify, ^X Exit, ^R Read File, ^\ Replace, ^U Uncut Text, and ^T To Spell.

If value =180

```
Dtoverlay=mhs35:rotate=180
```

Should adjust to



The screenshot shows the nano text editor on a Raspberry Pi, similar to the previous one. The title bar and menu bar are identical. The status bar shows 'GNU nano 2.7.4', the file path '/etc/X11/xorg.conf.d/99-calibration.conf', and a 'Modified' status. The main text area contains the following configuration for the 'calibration' section:

```
Section "InputClass"
    Identifier      "calibration"
    MatchProduct    "ADS7846 Touchscreen"
    Option "Calibration" "3880 268 3936 227"
    Option "SwapAxes" "0"
    Option "EmulateThirdButton" "1"
    Option "EmulateThirdButtonTimeout" "1000"
    Option "EmulateThirdButtonMoveThreshold" "300"
EndSection
```

The bottom status bar displays the same keyboard shortcuts as the previous screenshot: ^G Get Help, ^O Write Out, ^W Where Is, ^K Cut Text, ^J Justify, ^X Exit, ^R Read File, ^\ Replace, ^U Uncut Text, and ^T To Spell.