

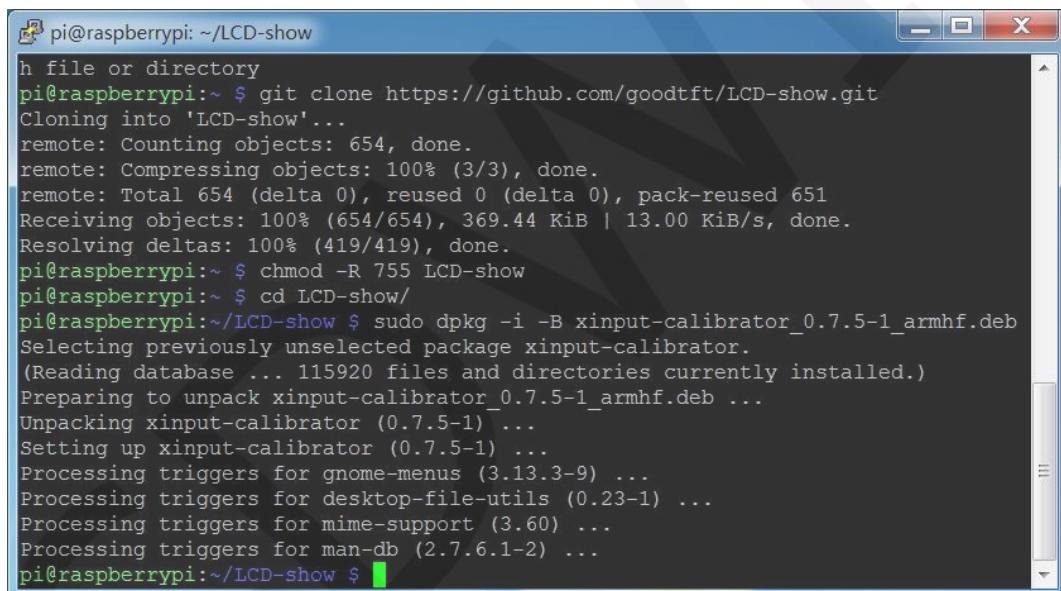
如何校准电阻触摸屏

(只适用于电阻触摸屏, 电容触摸屏不适用)

1、安装 Xinput, 在树莓派中执行下面的命令代码

(注意: 本次安装需要树莓派连接网络)

```
sudo rm -rf LCD-show
git clone https://github.com/goodtft/LCD-show.git
chmod -R 755 LCD-show
cd LCD-show/
sudo dpkg -i -B xinput-calibrator_0.7.5-1_armhf.deb
```



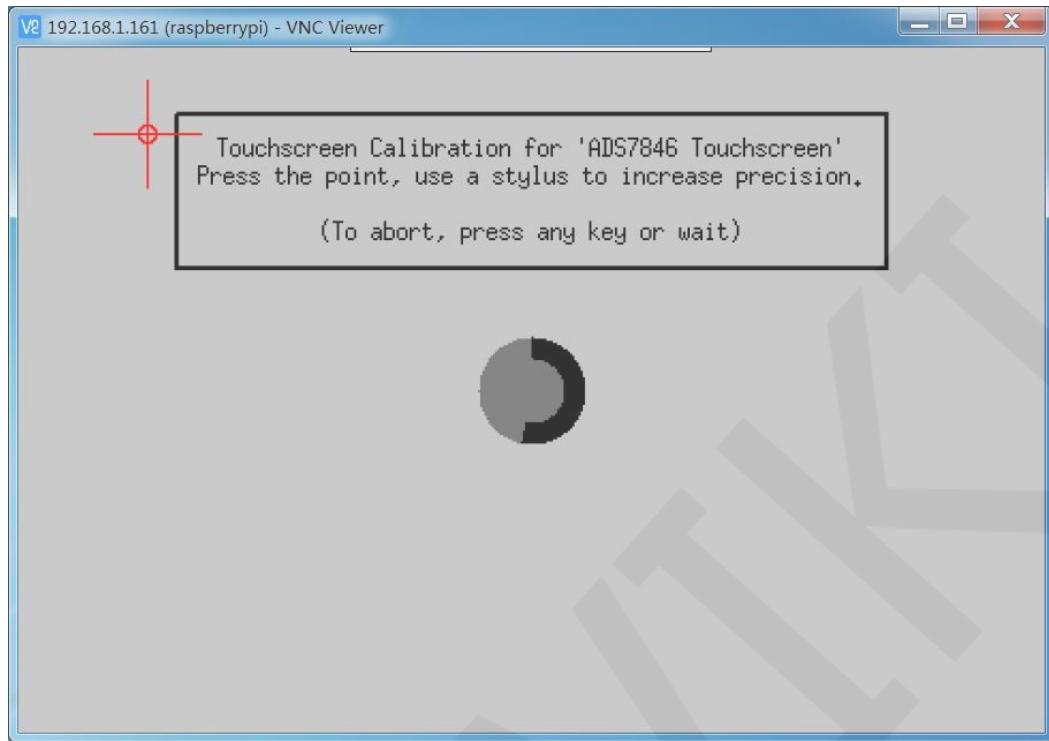
pi@raspberrypi: ~/LCD-show

```
h file or directory
pi@raspberrypi:~ $ git clone https://github.com/goodtft/LCD-show.git
Cloning into 'LCD-show'...
remote: Counting objects: 654, done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 654 (delta 0), reused 0 (delta 0), pack-reused 651
Receiving objects: 100% (654/654), 369.44 KiB | 13.00 KiB/s, done.
Resolving deltas: 100% (419/419), done.
pi@raspberrypi:~ $ chmod -R 755 LCD-show
pi@raspberrypi:~ $ cd LCD-show/
pi@raspberrypi:~/LCD-show $ sudo dpkg -i -B xinput-calibrator_0.7.5-1_armhf.deb
Selecting previously unselected package xinput-calibrator.
(Reading database ... 115920 files and directories currently installed.)
Preparing to unpack xinput-calibrator_0.7.5-1_armhf.deb ...
Unpacking xinput-calibrator (0.7.5-1) ...
Setting up xinput-calibrator (0.7.5-1) ...
Processing triggers for gnome-menus (3.13.3-9) ...
Processing triggers for desktop-file-utils (0.23-1) ...
Processing triggers for mime-support (3.60) ...
Processing triggers for man-db (2.7.6.1-2) ...
pi@raspberrypi:~/LCD-show $
```

2、执行触摸校准命令

```
DISPLAY=:0.0 xinput_calibrator
```

此时屏幕会弹出触摸校准界面, 依次用触摸笔点击四个校准点完成校准



校准完成后会显示新的触摸参数, (LCD 种类不同, 校准次数不同, 参数也会有所区别), 如下图所示:

```
pi@raspberrypi: ~/LCD-show
preparing to unpack xinput-calibrator_0.7.5-1_armhf.deb ...
Unpacking xinput-calibrator (0.7.5+git20140201-1) ...
Setting up xinput-calibrator (0.7.5+git20140201-1) ...
Processing triggers for man-db (2.7.6.1-2) ...
Processing triggers for gnome-menus (3.13.3-9) ...
Processing triggers for desktop-file-utils (0.23-1) ...
Processing triggers for mime-support (3.60) ...
pi@raspberrypi:~/LCD-show $ DISPLAY=:0.0 xinput_calibrator
Calibrating EVDEV driver for "ADS7846 Touchscreen" id=6
    current calibration values (from XInput): min_x=140, max_x=3951 and min_y=261, max_y=3998

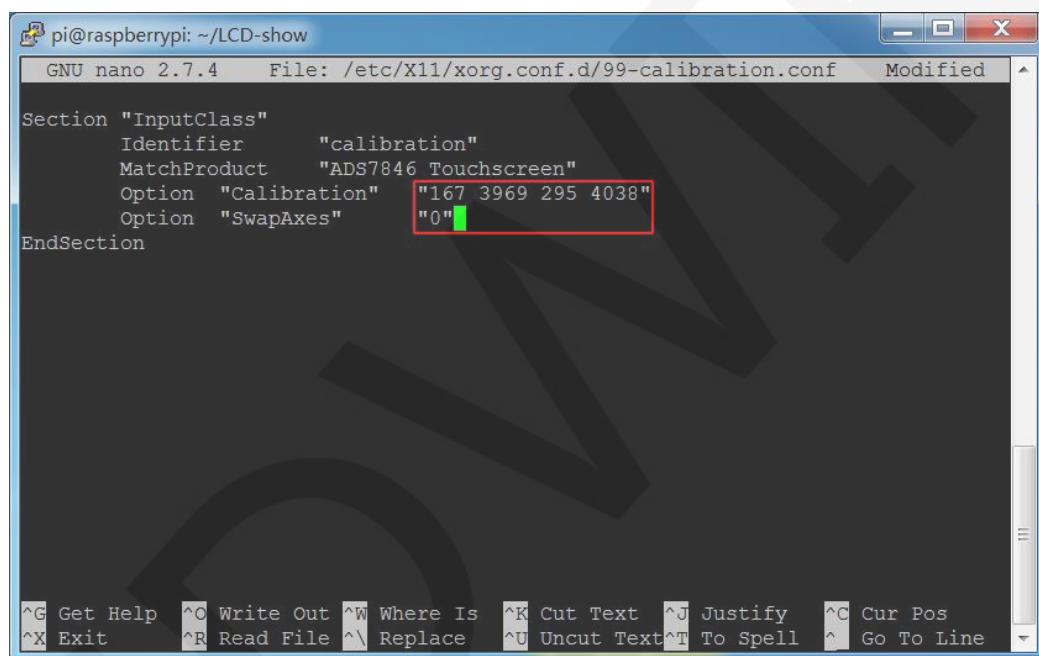
Doing dynamic recalibration:
    Setting calibration data: 167, 3969, 295, 4038
    --> Making the calibration permanent <--
    copy the snippet below into '/etc/X11/xorg.conf.d/99-calibration.conf' (/usr/share/X11/xorg.conf.d/ in some distro's)
Section "InputClass"
    Identifier      "calibration"
    MatchProduct    "ADS7846 Touchscreen"
    Option "Calibration"  "167 3969 295 4038"
    Option "SwapAxes"    "0"
EndSection
pi@raspberrypi:~/LCD-show $
```

3、修改校准后的触摸参数并保存

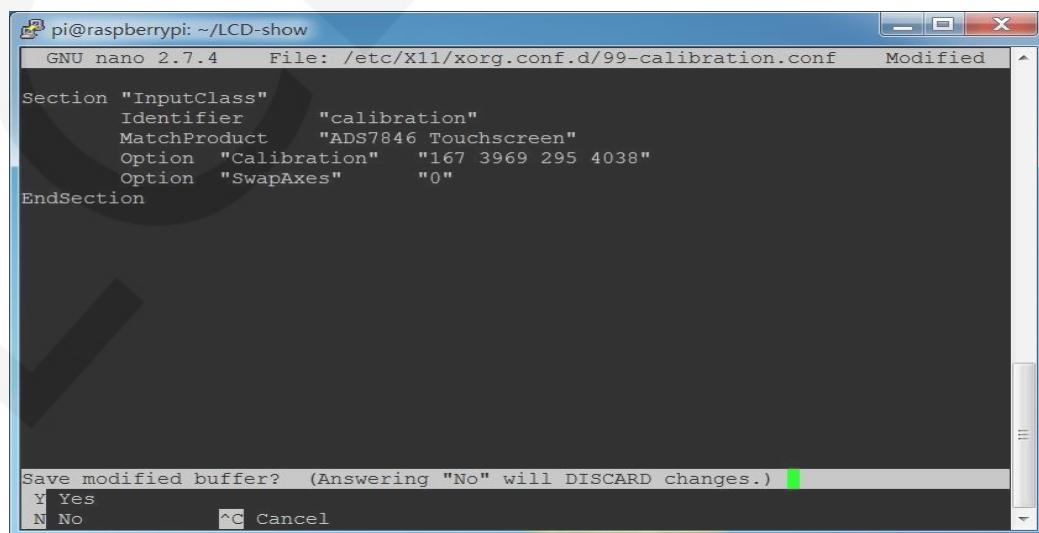
3.1 执行下面的命令代码，打开 **99-calibration.conf** 文件

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

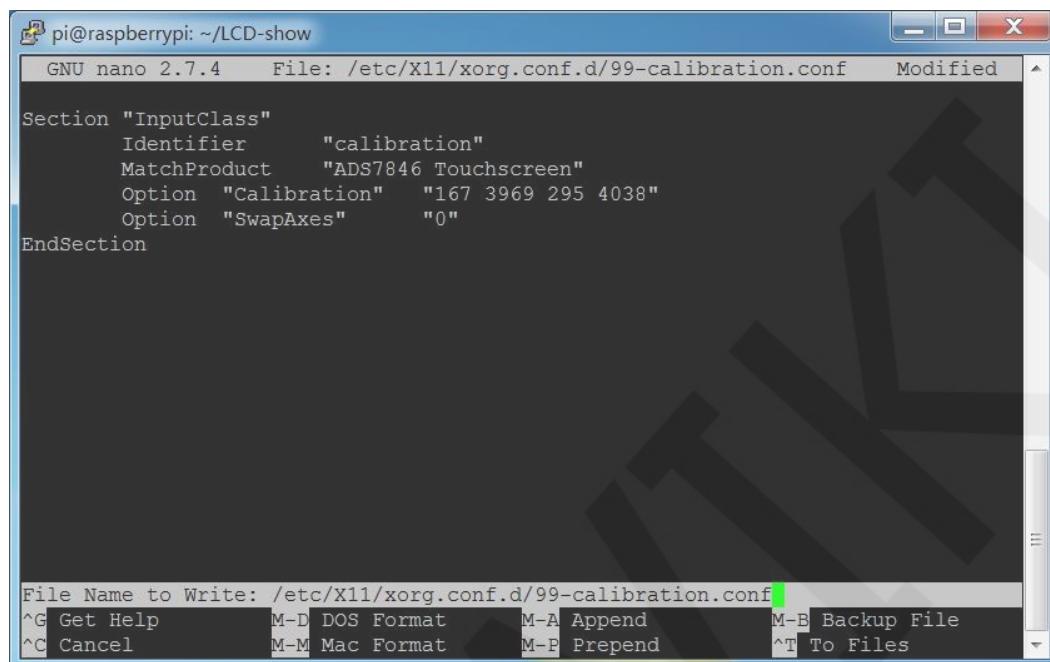
3.2 将校准后的触摸参数保存在 **99-calibration.conf** 文件中 按 **Ctrl+X** 键，退出；



3.3 按 **Y** 键，确认保存；



3.4 按 Enter 键，确认保存文件名；



```
pi@raspberrypi: ~/LCD-show
GNU nano 2.7.4      File: /etc/X11/xorg.conf.d/99-calibration.conf      Modified

Section "InputClass"
    Identifier      "calibration"
    MatchProduct    "ADS7846 Touchscreen"
    Option "Calibration" "167 3969 295 4038"
    Option "SwapAxes" "0"
EndSection

File Name to Write: /etc/X11/xorg.conf.d/99-calibration.conf
^G Get Help      M-D DOS Format      M-A Append      M-B Backup File
^C Cancel        M-M Mac Format      M-P Prepend     ^T To Files
```

3.5 重新启动树莓派

```
sudo reboot
```