How to rotate the display and touch

For HDMI capacitive screen

This method is only suitable for HDMI capacitive screen, not suitable for GPIO resistive screen.

How to rotate display direction:

1. Add the statement in the "**config.txt**" file (the "config.txt" file is located in /boot):

display_rotate=1 #0: 0; 1: 90; 2: 180; 3: 270

2. Restart the Raspberry Pi after saving

sudo reboot

How to rotate Touch direction:

After the display is rotated, the touch needs to be modified.

1. Install libinput

sudo apt-get install xserver-xorg-input-libinput

2. Create the xorg.conf. D directory in /etc/x11 / below (if the directory already exists, this will

proceed directly to step 3)

sudo mkdir /etc/X11/xorg.conf.d

3. Copy the file "40-libinput.conf" to the directory you just created.

sudo cp /usr/share/X11/xorg.conf.d/40-libinput.conf /etc/X11/xorg.conf.d/

4. Edit "/etc/X11/xorg.conf.d/40-libinput.conf"

sudo nano /etc/X11/xorg.conf.d/40-libinput.conf

Find a part of the touchscreen, add the following statement inside, press Ctrl+X to exit, press

Y to save.

Option "CalibrationMatrix" "0 1 0 -1 0 1 0 0 1"

V1.0



5. Restar your Raspberry Pi

sudo reboot

Complete the above steps for a 90 degree rotation.

Note:

0 degrees of rotation parameters:	Option "CalibrationMatrix" "1 0 0 0 1 0 0 0 1"
90 degrees of rotation parameters:	Option "CalibrationMatrix" "0 1 0 0-1 1 0 0 1"
180 degrees of rotation parameters:	Option "CalibrationMatrix" "1 0 0-1 1 0 0 1"
270 degrees of rotation parameters:	Option "CalibrationMatrix" "0-1 1 1 0 0 0 0 1"