# **Waveshare 5.5inch 1080×1920 HDMI AMOLED Capacitive Touch Screen with Case**

**SKU: 1051929**

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**Issues:**

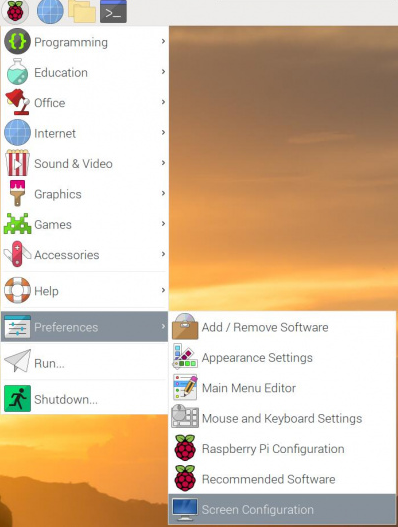
**1. The GUI is in vertical orientation.**

**2. Touchscreen doesn’t work properly. ====================================================================**

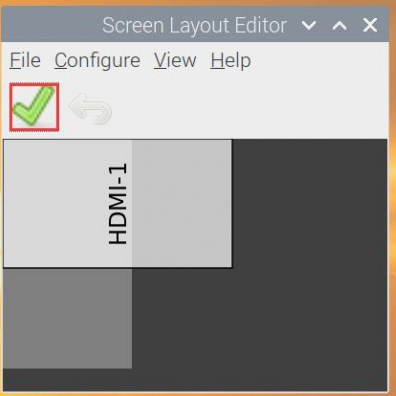
**Solution to Issue 1:**

**Follow the steps given below in Images to rotate image by 90 degrees.**

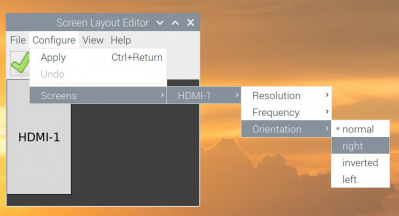
**Step1:**



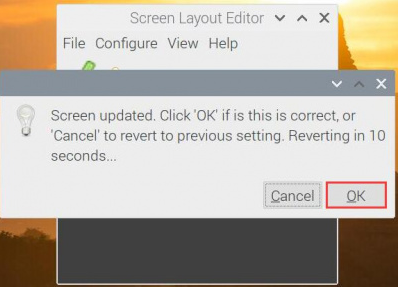
**Step2:**



**Step3**:



**Step4**:



**After reboot, your GUI will be turned by 90 degrees and it will be in Horizontal position.**

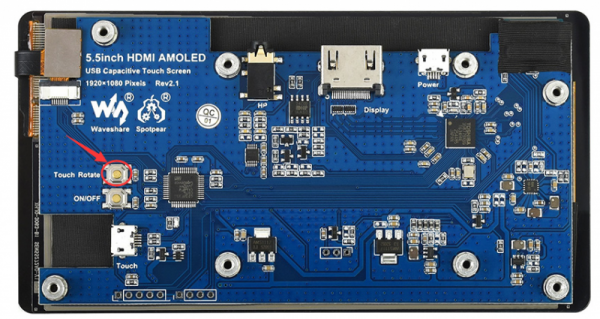
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**Solution to Issue 2:**

**Touchscreen doesn’t work properly.**

### Touch Rotation

With the operation above. The screen could rotate in the display. However, the touch works improperly. To rotate the touch as display, you could do as below:

* Hardware Rotate Touch: Press and hold the Touch Rotate button on the bottom panel, and each long press will rotate the touch direction by 90 degrees.
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* If there are special circumstances that cannot be rotated by hardware, please refer to the following steps to rotate the touch:

**1. Install libinput**

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

If the system you installed is Ubuntu or Jetson Nano. The installation code is:

sudo apt install xserver-xorg-input-synaptics

2. **Create the xorg.conf.d directory under /etc/X11/ (if the directory already exists, proceed directly to step 3).**

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

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

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

4. **Edit this file.**

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

**Find the part of the touchscreen, add the following statement inside, and then save the file.**

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

Similar to the picture below:

  
5. save and reboot your Pi

sudo reboot

After completing these steps. The LCD could rotate 90 degrees both display and touch.

**Note:**

90 degree: Option "CalibrationMatrix" "0 1 0 -1 0 1 0 0 1"

180 degree: Option "CalibrationMatrix" "-1 0 1 0 -1 1 0 0 1"

270 degree: Option "CalibrationMatrix" "0 -1 1 1 0 0 0 0 1"

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