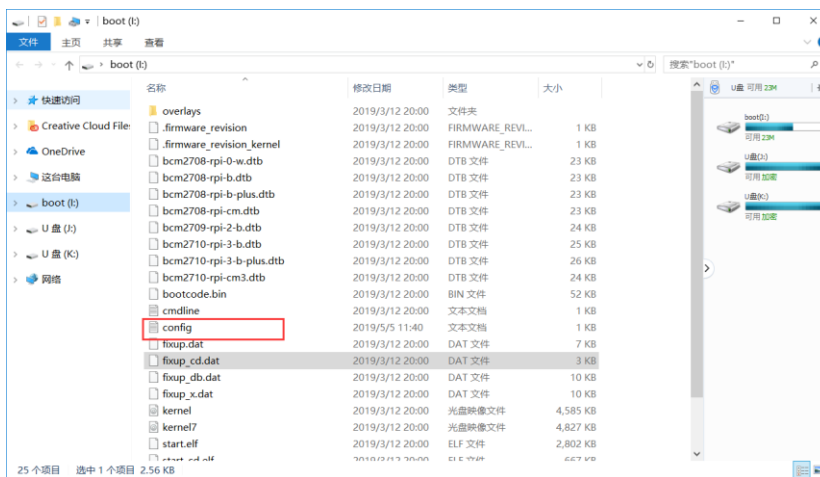


WORKING WITH VOLUMIO

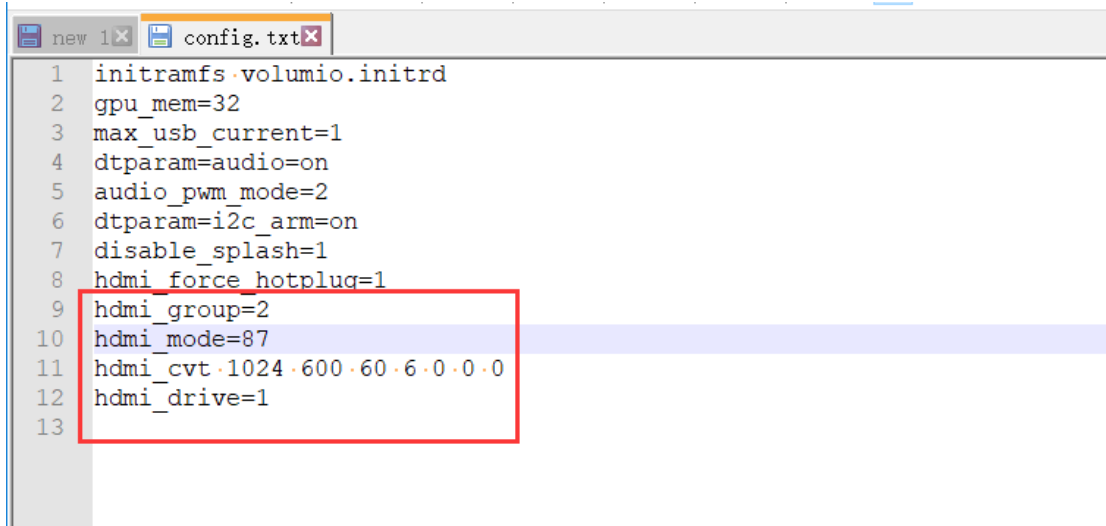
-WAVESHARE HDMI LCD

Some of our HDMI LCD can support volumio OS. And here let's take 7inch HDMI LCD (H) as example, tell you how to use our HDMI LCD with volumio (Raspberry Pi)

1. You need to download the volumio from its website first.
<https://volumio.org/get-started/>
2. write the image you downloaded and unzipped to SD card just like you write a Raspbian image
3. After writing, open config file which located in root directory of the SD card, and add the statement to the end of the file. **(The statements are different for different HDMI LCDs. Please refer to the user manual of the LCD you have)**



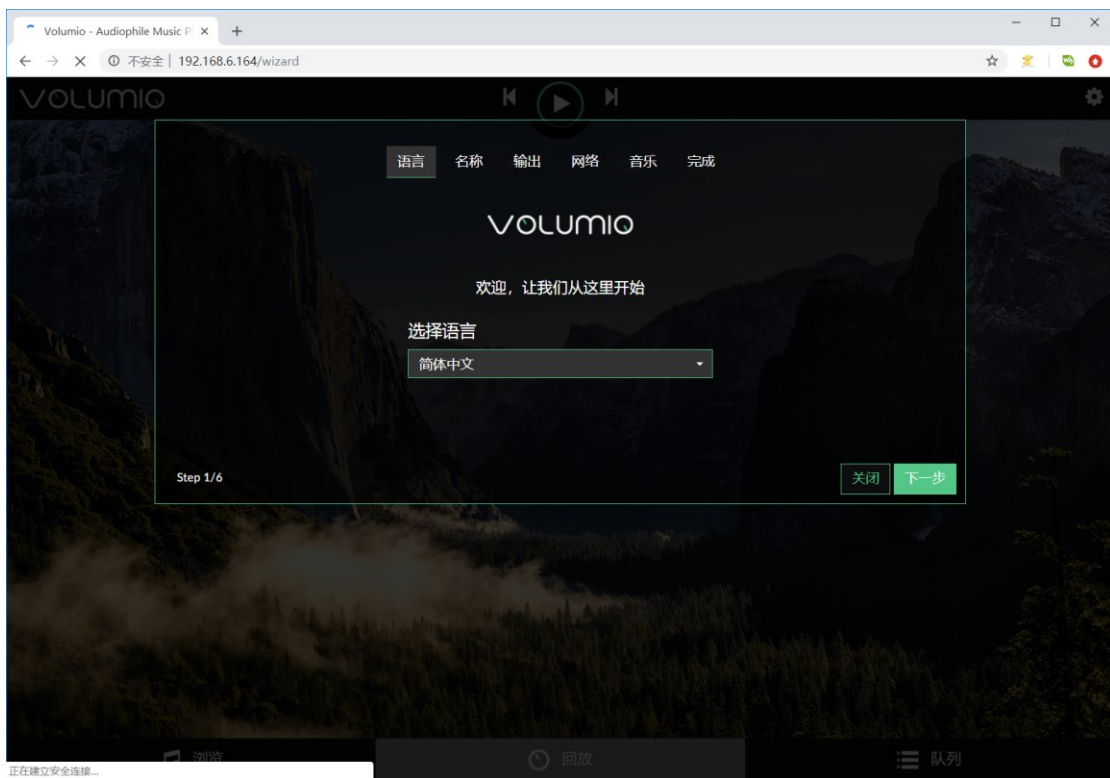
```
hdmi_group=2  
hdmi_mode=87  
hdmi_cvt 1024 600 60 6 0 0 0  
hdmi_drive=1
```



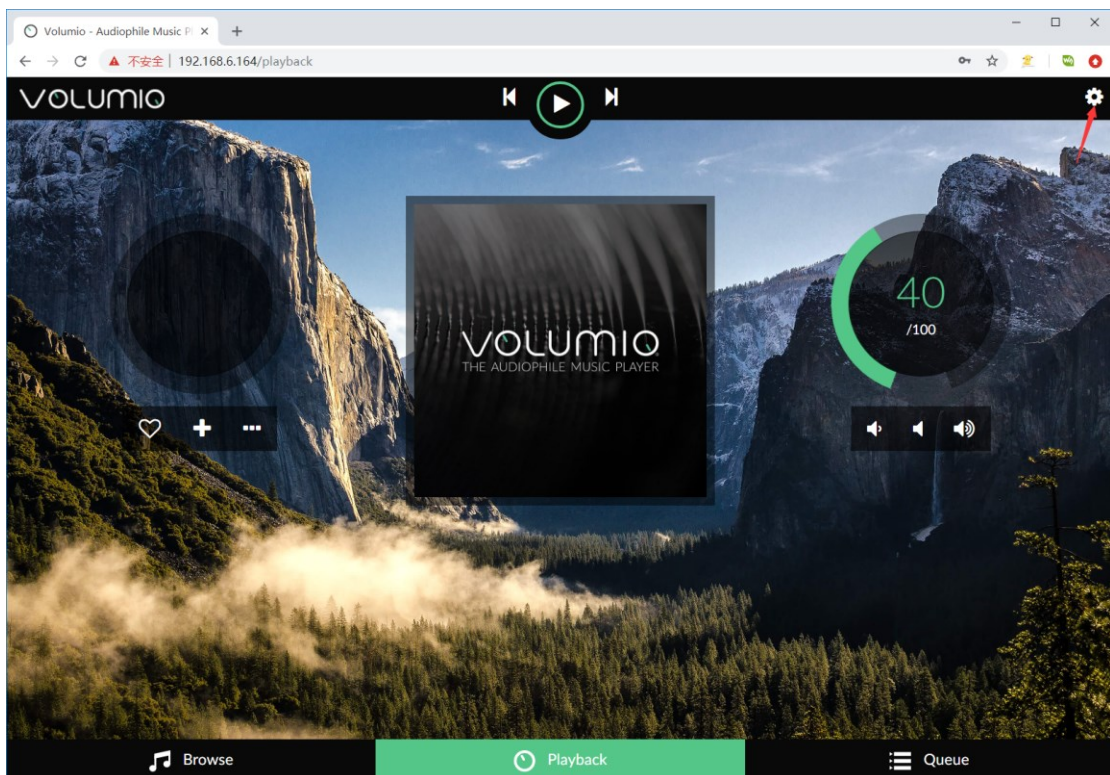
```
new 1x config.txt
1 initramfs volumio.initrd
2 gpu_mem=32
3 max_usb_current=1
4 dtparam=audio=on
5 audio_pwm_mode=2
6 dtparam=i2c_arm=on
7 disable_splash=1
8 hdmi_force_hotplug=1
9 hdmi_group=2
10 hdmi_mode=87
11 hdmi_cvt=1024 600 60 6 0 0 0
12 hdmi_drive=1
13
```

4. Save and insert the card to Raspberry Pi. Connect a keyboard to Raspberry Pi. Connect Raspberry Pi to wired Network
5. Connect LCD to Raspberry Pi
 - connect HDMI interface of 7inch HDMI LCD (H) to HDMI interface of Raspberry Pi
 - connect Touch interface of 7inch HDMI LCD (H) to USB port of Raspberry Pi
6. Power on Raspberry Pi.
7. Type user and password:
 - default user: volumio
 - default password: volumio
8. Get the IP address with command. (you can also get the IP address from router manager page)
ifconfig
9. Open the playback page of volumio on PC browser with address:
[raspberrypi_ip]\playback
 - 【Note】 [raspberrypi_ip] should be de current ip you get at step 8

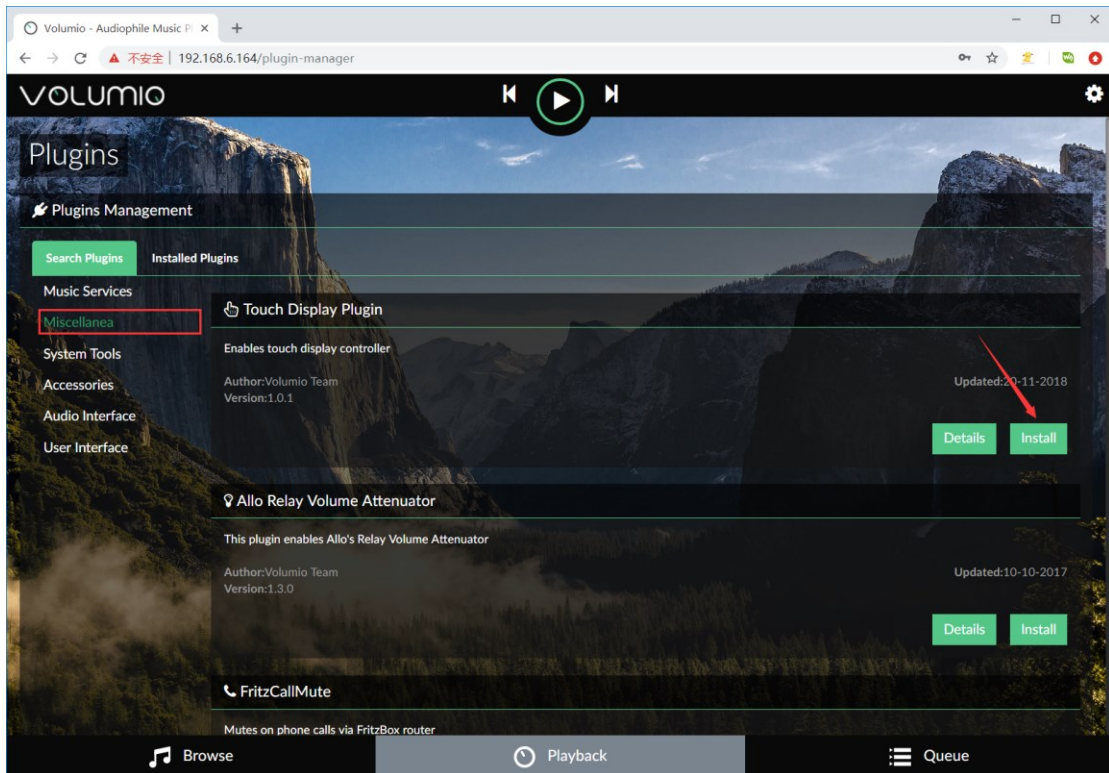
10. Following the steps to finish configuration



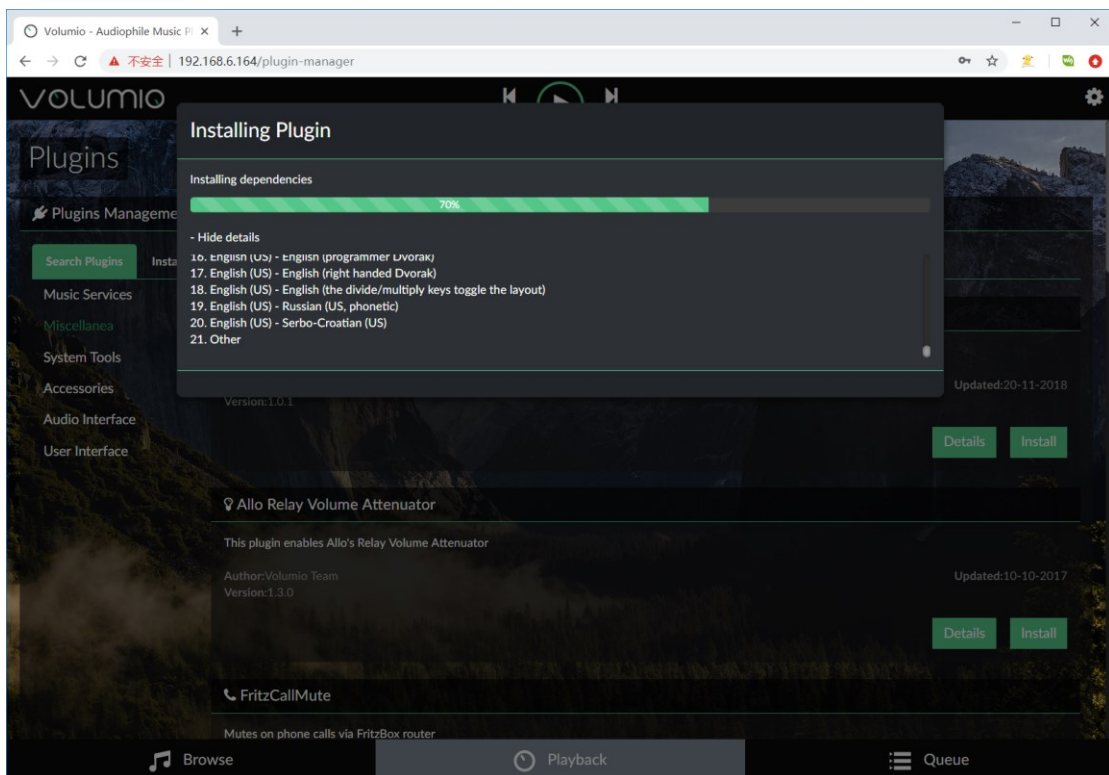
11. Click Setting->PLUGINS



12. Choose Miscellanea, then install the Touch Display Plugin



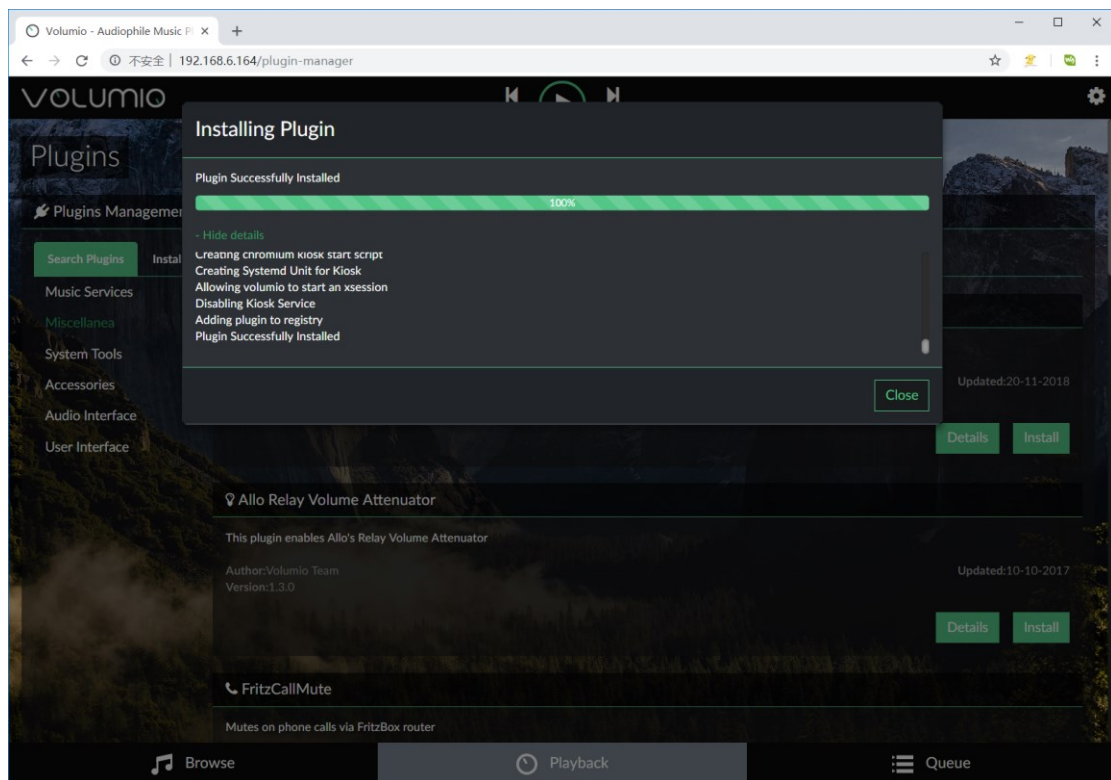
13. Waiting for installing, it costs some time. Generally, it may stick at keyboard layout installing



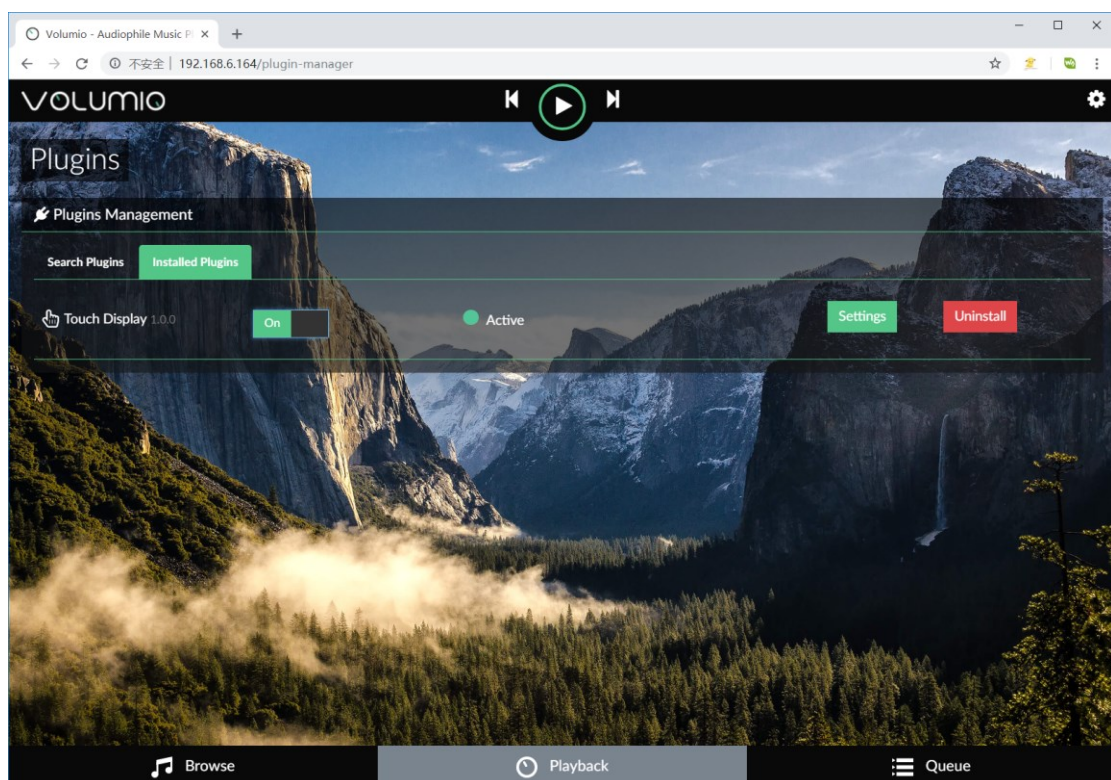
14. Just restart raspberry Pi and type commands to install keyboard layout manually.

```
sudo dpkg --configure -a
```


15. Doing Step 11 and Step 12 again

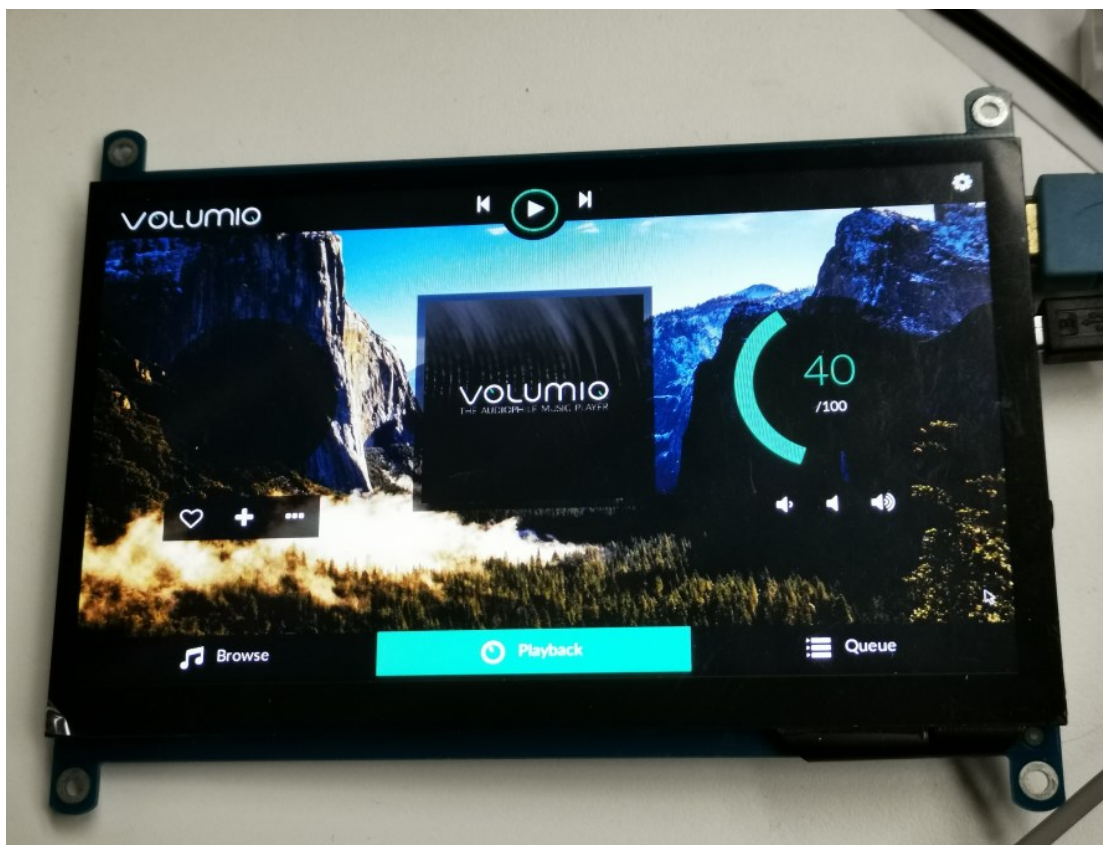


16. Open Installed Plugins and set the Touch Display option to On



17. Waiting for a moment, the 7inch HDMI LCD (H) will display volumio desktop. If you find that the desktop cannot display normally, just restart Raspberry Pi. Uninstall the plugin and install it again

for testing.



FAQ

1. How to disable blank screen saver and keep LCD display all the time?
 - You can refer to this post: <https://forum.volumio.org/touchscreen-timeout-t7651.html>
 - Switch the volumio to command line mode by disable the touch display plugin. Modify /opt/volumiokiosk.sh file:
 - Change line #1, replace "+dpms" by "-dpms"
 - Change line #2, replace "blank" by "off"
 - Remove line #3
 - save and restart
2. Why the LCD has not audio output?
 - If you use HDMI like the 7inch HDMI LCD (H) which support audio output. You can just delete the last setting statement at Step 3. (hdmi_drive=1).
 - And you need to set the audio output to HDMI output when do the begin setting at Step 10