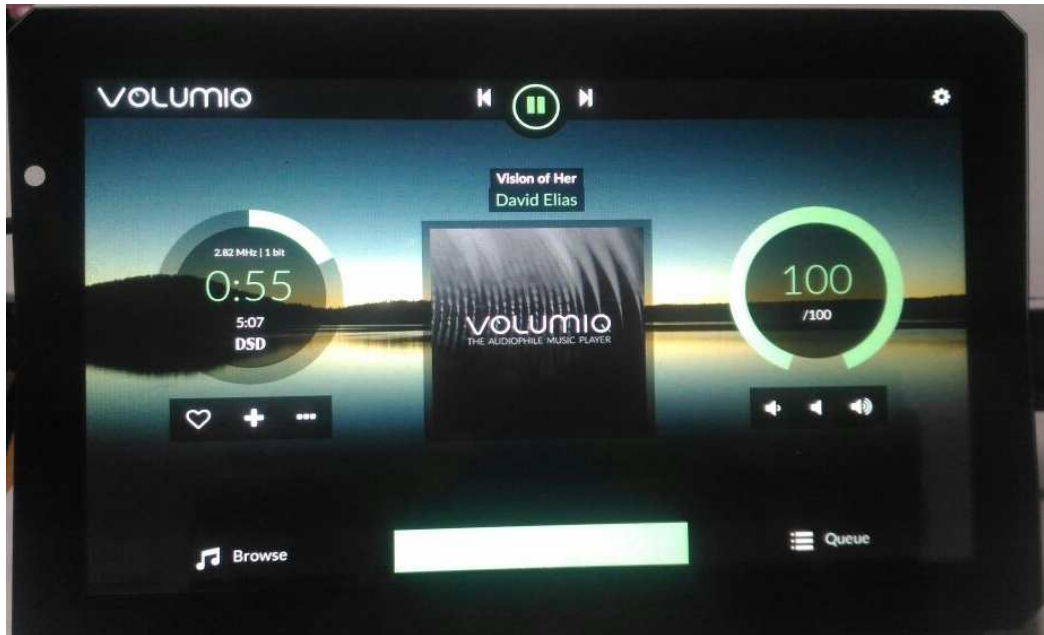# Sparky Volumio 7" LCD Touch panel Installation

To support Sparky LCD and touch panel on Volumio OS, update the kernel.dtb, u-boot-img.img and touch panel driver, install volumio touch panel plugin.

Update sparky drivers:

1) Volumio ssh login enable (ipaddress/dev)
2) Ssh login through terminal/putty.exe (user name: volumio passwaord: volumio)
   su and password: volumio.
   Refer the ssh login guidelines.
3) Download the driver form
   https://github.com/sparky-sbc/sparky-test/tree/master/sparky_dsi_dtb
   volumio@volumio:~$ su
   Password:
   root@volumio:/home/volumio# cd /usr/src
   root@volumio:/usr/src# wget https://raw.githubusercontent.com/sparky-sbc/sparky-test/master/sparky_dsi_dtb/install.sh
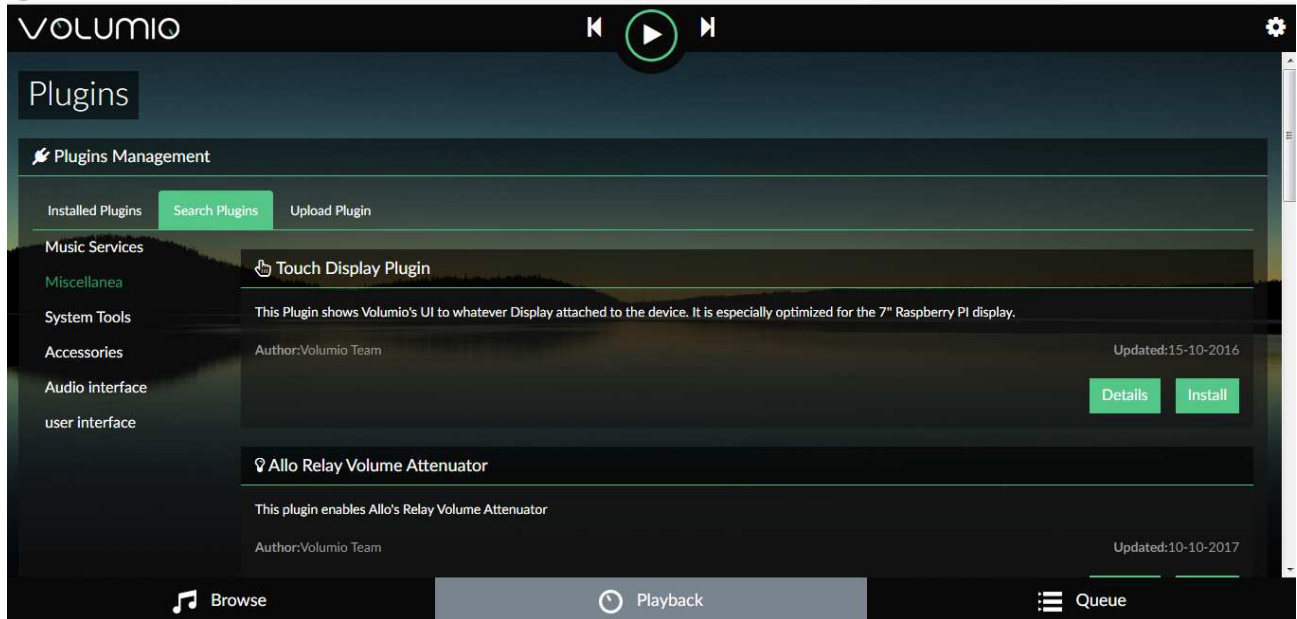
   executing install.sh command will download and copy required files. After installation sparky will boot 1200x600 resolution , default display option will be DSI LCD.
   root@volumio:/usr/src# ./install.sh

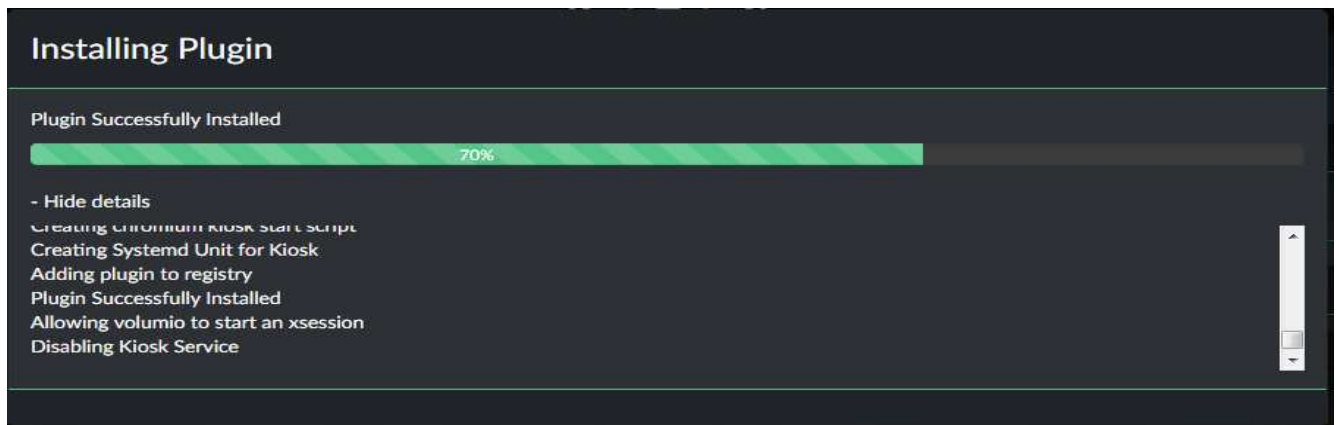**Plugin Installation can be done through volumio WebGUI.**

First update the packages:

```
1) sudo apt-get update
2) sudo apt-get install keyboard-configuration
```

3) Install the pluging through Volumio web GUI.

on progress indicator shows 70% completion and success , reboot the board

on successful installation volumio home screen opens automatically on startup.

Virtual keyboard support: apt-get install matchbox-window-manager matchbox-keyboard

matchbox-keyboard -d &
matchbox-window-manager -use_titlebar no &
above 2 lines need to be added in /opt/volumiokiosk.sh line 6 and 7

** on Dietpi- OS Sparky LCD Touch panel installation. Mate desktop supports Touch panel functionality with the driver update.