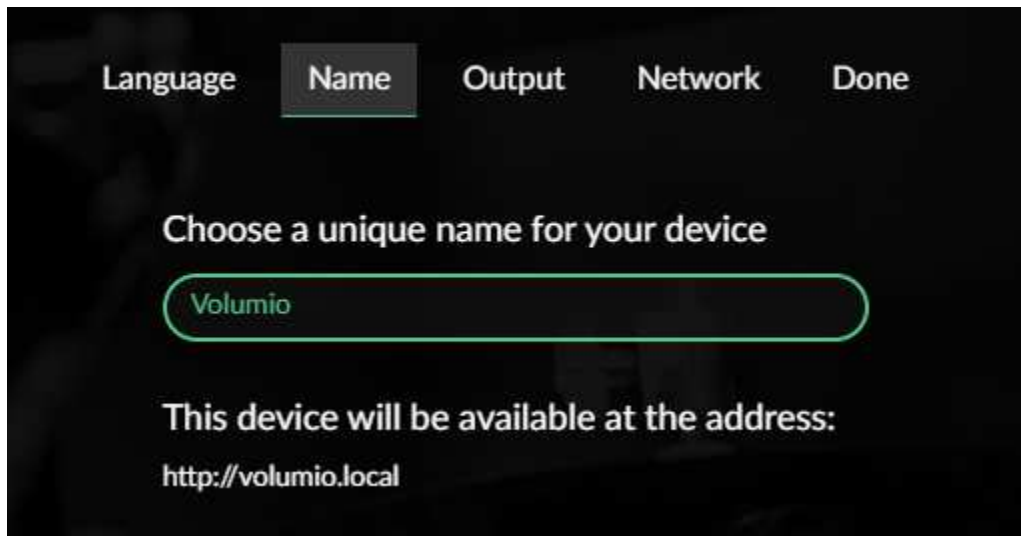
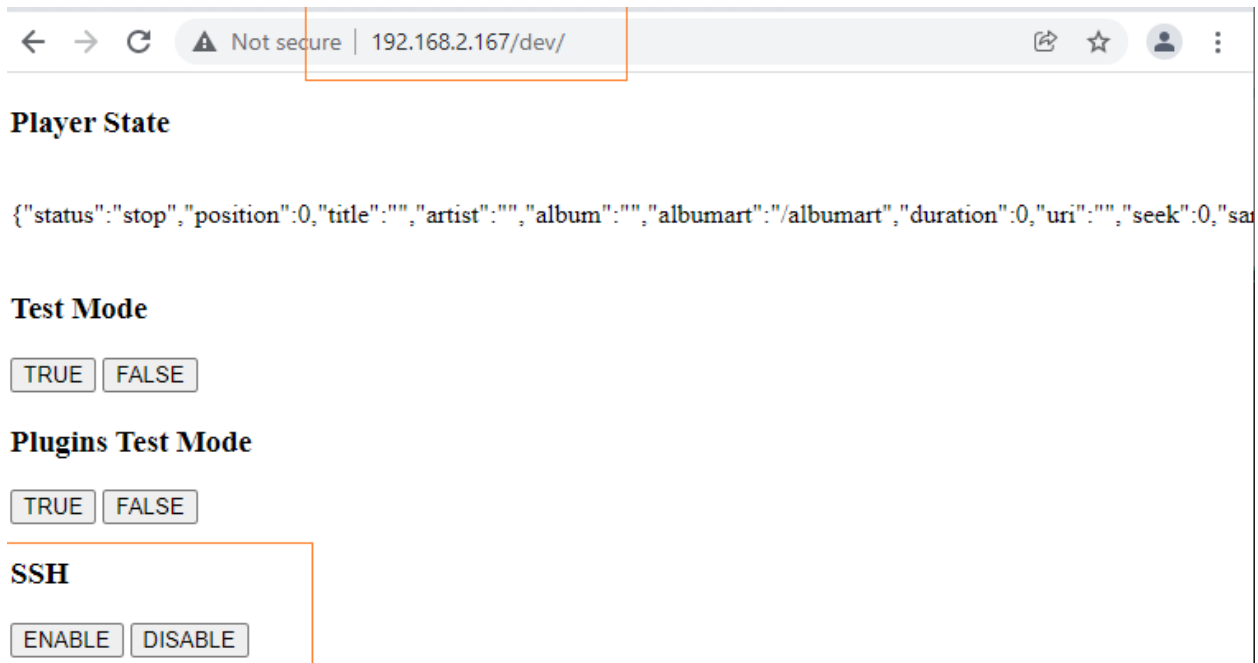


# Volumio3 Boss2 oled installation

1) Boss2\_oled installation keep the device Name **Volumio** on first web login



2) Enable ssh login by typing ipaddress/dev on browser



- 3) ssh on putty login username : volumio password : volumio
- 4) Then change to super user by type su password : volumio  
As shown in below screens

```

volumio@volumio: ~
login as: volumio
volumio@192.168.2.167's password:
Free Audiophile Linux Music Player - Version 3.0
© 2015-2021 Michelangelo Guarise - Volumio Team - Volumio.org
Volumio Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Welcome to Volumio for Raspberry Pi (5.4.83-v71+ armv71)
volumio@volumio:~$ su
Password:
bash-5.0#

```

- 5) Refer [http://3.230.113.73:9011/Allocom/Boss2/Boss2\\_oled\\_install\\_steps](http://3.230.113.73:9011/Allocom/Boss2/Boss2_oled_install_steps)

cd /opt/  
(note : ensure above command correctly typed, path need to be correct, use ls command to see the contents of /opt/ directory as shown screen copy or use pwd command to show the path)

```

bash-5.0# pwd
/opt

```

```

wget http://3.230.113.73:9011/Allocom/Boss2/boss2_oled.tar.gz
tar -xzvf boss2_oled.tar.gz
cd boss2_oled
./install_boss2_oled.sh

```

volumio@volumio: ~

```
bash-5.0# cd /opt/
bash-5.0# ls
vc
bash-5.0# wget http://3.230.113.73:9011/Allocom/Boss2/boss2_oled.tar.gz
--2021-12-17 07:49:47-- http://3.230.113.73:9011/Allocom/Boss2/boss2_oled.tar.g
z
Connecting to 3.230.113.73:9011... connected.
HTTP request sent, awaiting response... 200 OK
Length: 33634 (33K) [application/x-gzip]
Saving to: 'boss2_oled.tar.gz'

boss2_oled.tar.gz  100%[=====>]  32.85K  112KB/s  in 0.3s

2021-12-17 07:49:48 (112 KB/s) - 'boss2_oled.tar.gz' saved [33634/33634]

bash-5.0# tar -xzvf boss2_oled.tar.gz
boss2_oled/
boss2_oled/IRModule.py
boss2_oled/ropieeee-boss2-oled.service
boss2_oled/install_boss2_oled.sh
boss2_oled/IRModule.pyc
boss2_oled/boss2oled.service
boss2_oled/README
boss2_oled/boss2_oled.py
boss2_oled/Hardware/
boss2_oled/Hardware/__init__.pyc
boss2_oled/Hardware/I2CConfig.py
boss2_oled/Hardware/__init__.py
boss2_oled/Hardware/SH1106/
boss2_oled/Hardware/SH1106/SH1106FontLib1.py
boss2_oled/Hardware/SH1106/SH1106FontLibNumbers.py
boss2_oled/Hardware/SH1106/Line1SH1106FontLib.py
boss2_oled/Hardware/SH1106/SH1106FontLibNumbers1.py
boss2_oled/Hardware/SH1106/__init__.py
boss2_oled/Hardware/SH1106/SH1106FontLib.py
boss2_oled/Hardware/SH1106/SH1106LCD.py
boss2_oled/Hardware/SH1106/__pycache__/
boss2_oled/Hardware/SH1106/__pycache__/SH1106FontLibNumbers.cpython-37.pyc
```

```
boss2_oled/ __pycache__ /
boss2_oled/ __pycache__ /IRModule.cpython-37.pyc
bash-5.0# cd boss2_oled
bash-5.0# ls
Hardware      README      boss2oled.service
IRModule.py   __pycache__ install_boss2_oled.sh
IRModule.pyc  boss2_oled.py  ropieee-boss2-oled.service
bash-5.0# ./install_boss2_oled.sh
*****
*****
****                      ****
****          VOLUMIO          ****
****                      ****
*****
*****
Get:1 http://archive.raspberrypi.org/debian buster InRelease [32.6 kB]
Get:2 http://raspbian.raspberrypi.org/raspbian buster InRelease [15.0 kB]
Get:3 https://deb.nodesource.com/node_14.x buster InRelease [4584 B]
Get:4 http://archive.raspberrypi.org/debian buster/main armhf Packages [393 kB]
Get:5 http://raspbian.raspberrypi.org/raspbian buster/main armhf Packages [13.0
MB]
Get:6 https://deb.nodesource.com/node_14.x buster/main armhf Packages [779 B]
Get:7 http://raspbian.raspberrypi.org/raspbian buster/contrib armhf Packages [58
.8 kB]
Get:8 http://raspbian.raspberrypi.org/raspbian buster/non-free armhf Packages [1
04 kB]
97% [5 Packages store 0 B] [Waiting for headers] 23.2 kB/s 0s
```

```
Unpacking python-olefile (0.46-1) ...
Selecting previously unselected package python-pil:armhf.
Preparing to unpack ../python-pil_5.4.1-2+deb10u2_armhf.deb ...
Unpacking python-pil:armhf (5.4.1-2+deb10u2) ...
Setting up liblcms2-2:armhf (2.9-3) ...
Setting up libwebpdemux2:armhf (0.6.1-2+deb10u1) ...
Setting up libimagequant0:armhf (2.12.2-1.1) ...
Setting up python-olefile (0.46-1) ...
Setting up python-pil:armhf (5.4.1-2+deb10u2) ...
Processing triggers for libc-bin (2.28-10+rpt2+rpil) ...
Reading package lists... Done
Building dependency tree
Reading state information... Done
python-dev is already the newest version (2.7.16-1).
python-dev set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
Looking in indexes: https://pypi.org/simple, https://www.piwheels.org/simple
Collecting RPi.GPIO==0.7.0
  Downloading https://files.pythonhosted.org/packages/cb/88/d3817eb11fc77a8d9a63abeab8fe30
3266ble3b85e2952238f0da43fed4e/RPi.GPIO-0.7.0.tar.gz
Building wheels for collected packages: RPi.GPIO
  Running setup.py bdist_wheel for RPi.GPIO ... done
  Stored in directory: /root/.cache/pip/wheels/ec/11/7f/aa6fe56010104b49197ebbd697418affel
2e05d42213f3e0ca
Successfully built RPi.GPIO
Installing collected packages: RPi.GPIO
Successfully installed RPi.GPIO-0.7.0
*****
***          Successfully Installed          ***
*****
./install_boss2_oled.sh: line 103: reboot: command not found
bash-5.0# sudo reboot
```

sudo reboot and check the display working or not ?

Boss2 dac need to configure on Web GUI

**Debug steps : to see the available devices**

sudo i2c-detect -y 1

```
bash-5.0# sudo i2cdetect -y 1
 0  1  2  3  4  5  6  7  8  9  a  b  c  d  e  f
00: -- -- -- -- -- -- -- -- -- -- -- -- -- --
10: -- -- -- -- -- -- -- -- -- -- -- -- -- --
20: -- -- -- -- -- -- -- -- -- -- -- -- -- --
30: 30 -- -- -- -- -- -- -- -- -- -- -- -- -- --
40: -- -- -- -- -- -- -- -- -- -- -- -- -- --
50: -- -- -- -- -- -- -- -- -- -- -- -- -- --
60: -- -- -- -- -- -- -- -- -- -- -- -- -- --
70: -- -- -- -- -- -- -- -- -- -- -- -- -- --
bash-5.0#
```

30 or UU

3C for display

Check Correct path boss2\_oled downloaded files present , if not download and extract the files and check

```
bash-5.0#
bash-5.0# cd /opt/
bash-5.0# pwd
/opt
bash-5.0# ls
boss2_oled boss2_oled.tar.gz vc
bash-5.0#
```