

## Volumio Installation & Basic Configuration

**Audio Device : Allo Katana**  
**OS Image : Volumio**

**SBC : Raspberry Pi 2/3**

KATANA Player with pre-loaded OS, can skip steps 1 and 2.

Volumio OS Network enabled with DHCP, obtain the IP of the unit from your local router.

**Step 1 :** Download The latest volumio image from the volumio official website.

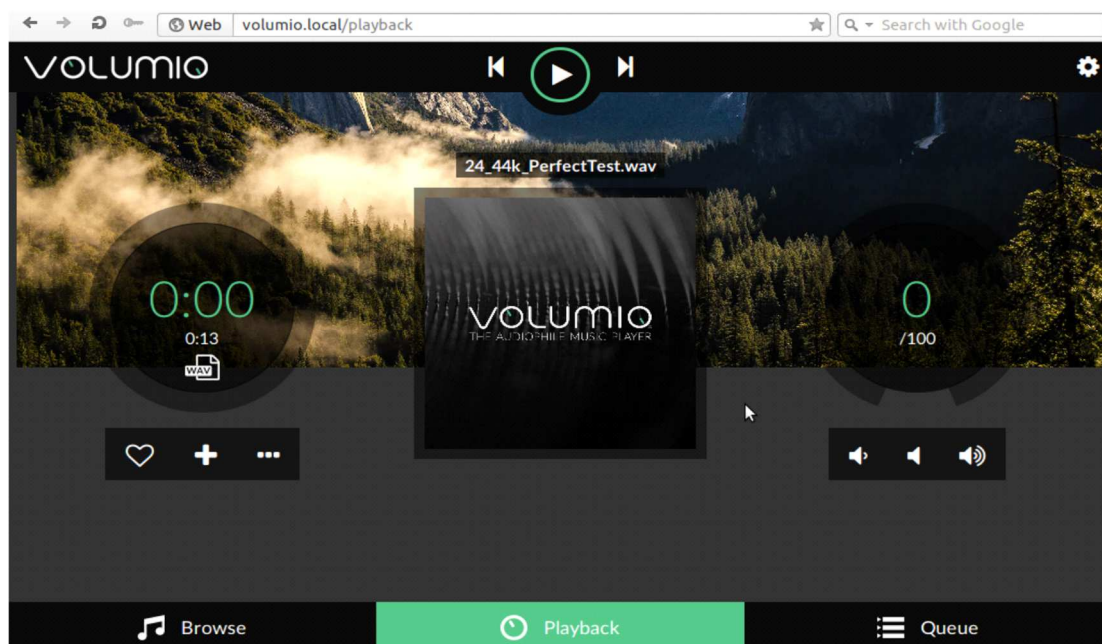
<https://volumio.org/get-started/> latest version is 2.413

Note : Katana Driver included on customised version of 2.413 dtd 05-07 or higher release

**Step 2 :** Load the Downloaded image into an SD card of size preferably 8Gb or more.

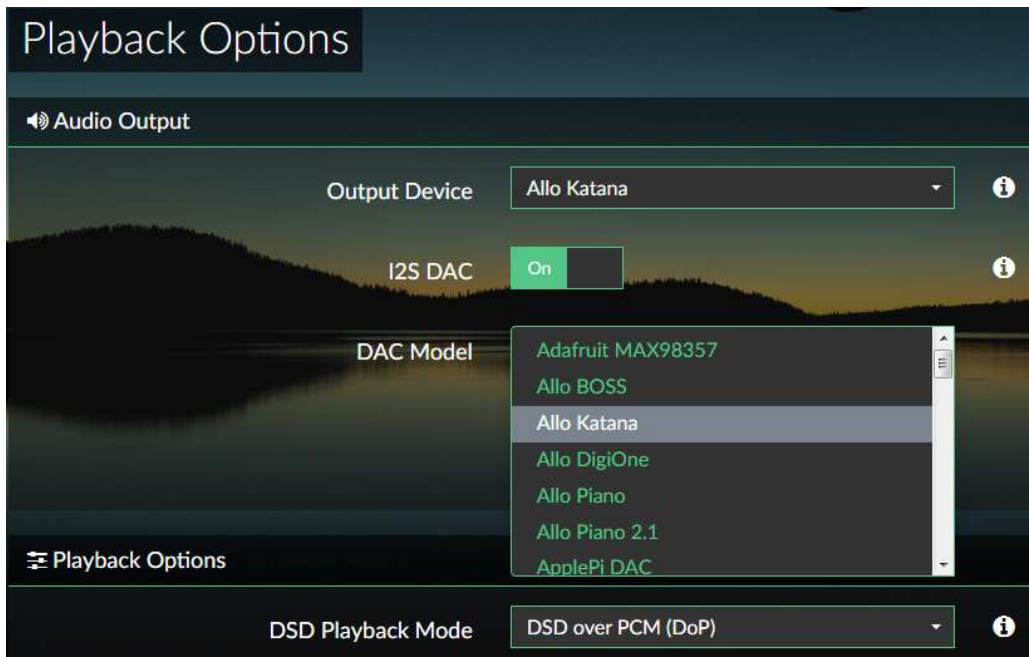
**Step 3 :** Connect the SBC to a monitor and find the ip address using ifconfig.

Access the Volumio user interface by typing the ip address of the SBC or <http://volumio.local> in the browser.



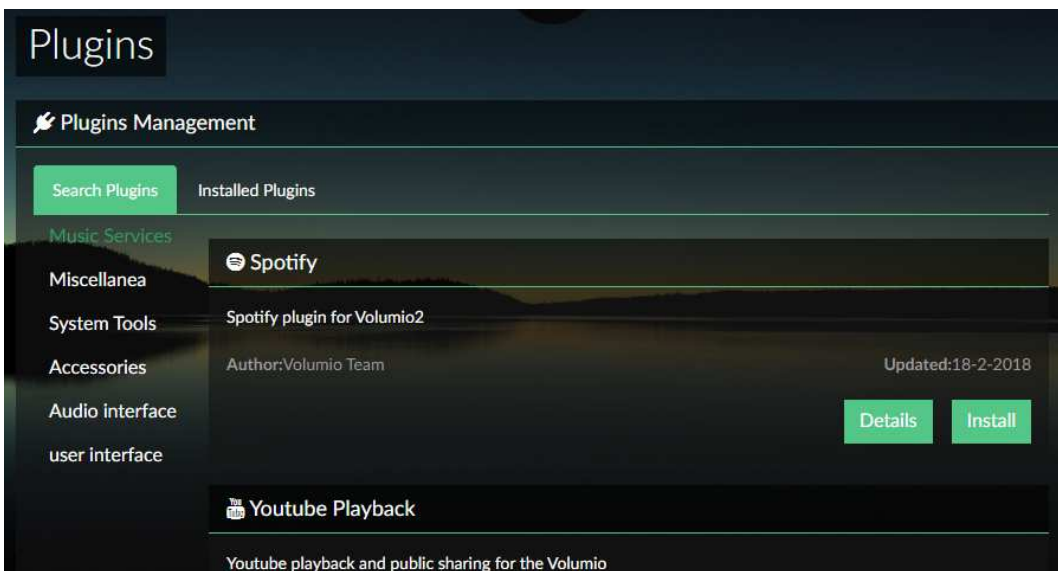
**Step 4 :** To play audio through the I2S dac connected, go to Playback Options in Volumio.

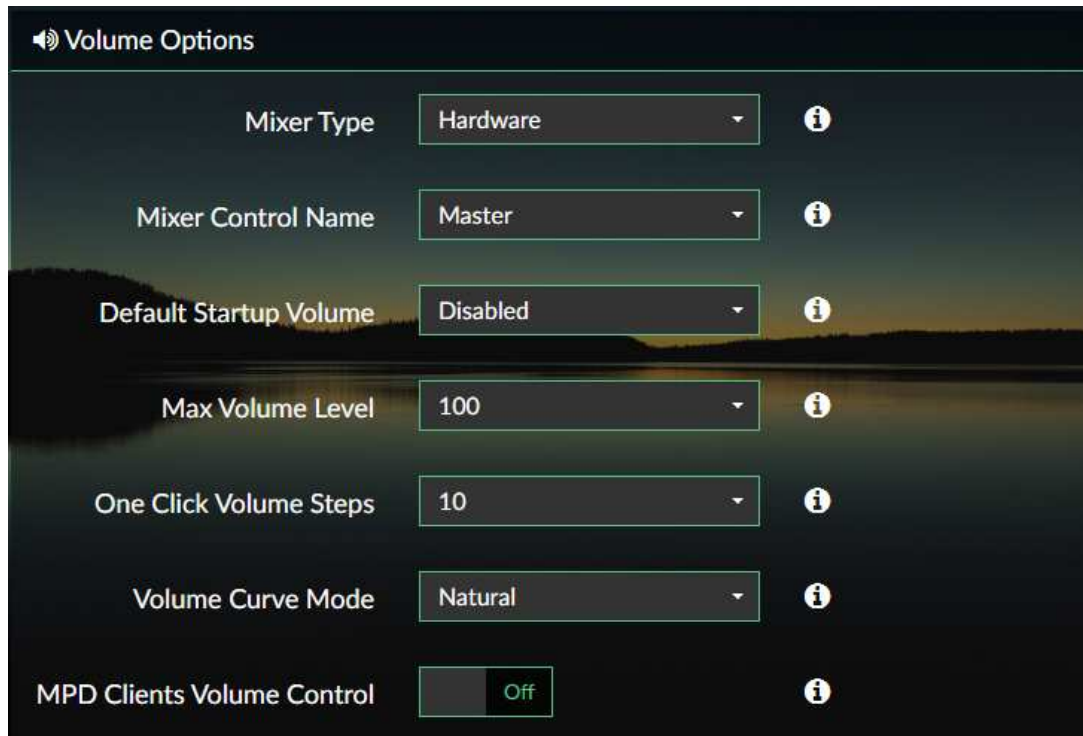
Make sure you enable I2S DAC, then select Allo KATANA from the drop down menu.



After reboot, Volumio will discover the music on your USB automatically or allow you to connect the network storage and your streaming services account (Radio/Spotify/....).

\*Spotify/.... plugins need to be installed through settings->plugin tab.





default volume settings for KATANA.

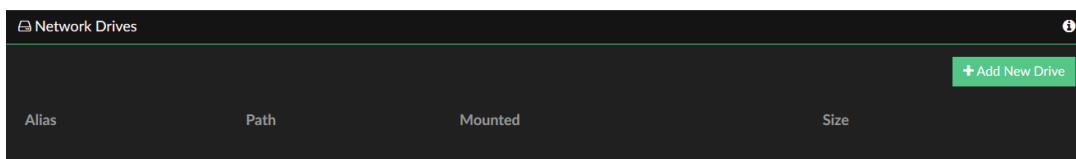
**Step 5 :** Now you can play/browse the radio stations or local files(USB) or copied to INTERNAL

for Web radio goto Browse menu in the right bottom of the GUI

and the USB/NAS files in Browse → music library → usb

For adding an NAS Go to My music menu in settings

You can add a drive manually entering the details or selecting one from the available drives present in your network.



Fill up the details required Name, IP address and share path and click on save.

Alias	<input type="text" value="Name"/>	Choose an Alias that will be displayed in NAS Mounts
NAS IP Address	<input type="text" value="NAS Ip Address or Name"/>	IP Address of your Network Drive
Path	<input type="text" value="Path/to/Share"/>	Network Share Name or subfolder path
<input type="button" value="Show Advanced Options"/>		
<input type="button" value="Cancel"/> <input type="button" value="Save"/>		

Alias	Path	Mounted	Size
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Add a new device or you can scan for the available devices in your network and mount it as your NAS System this aids to play/access the music files present in the system you mounted as NAS.

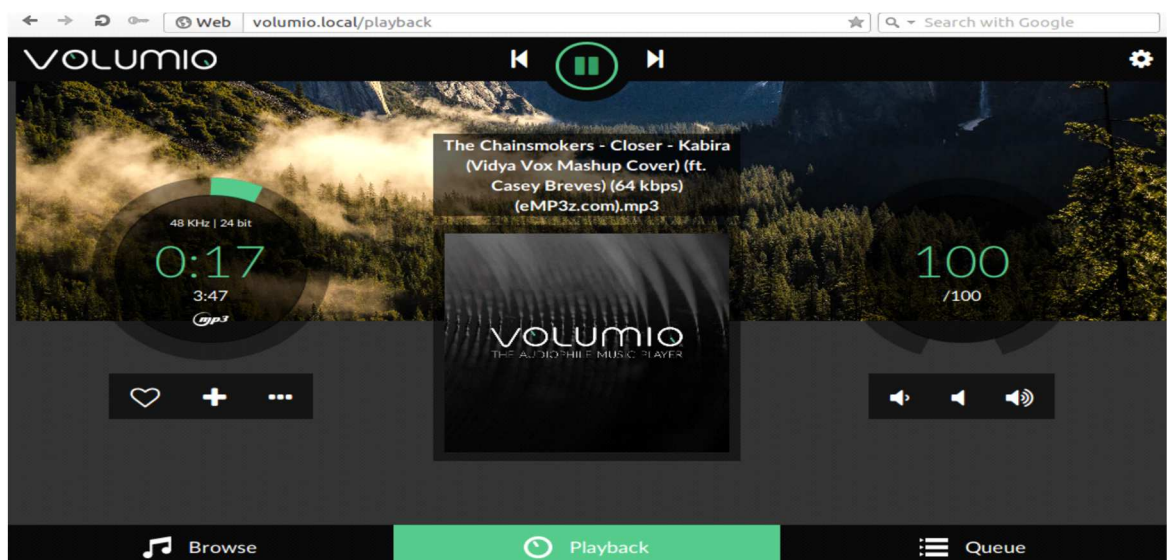
NAS IP Address is the IP address of Network Drive.

Path : only enter the share folder name , no need to enter the complete Path.

Network Drives				
				<input type="button" value="+ Add New Drive"/>
Alias	Path	Mounted	Size	
NAS	192.168.10.72:harddisk	✓	5.60 GB	<input type="button" value="🗑"/> <input type="button" value="✎"/>

Now you can access all the tracks that are present in the USB/NAS/LOCAL folders and also web radios.

**Step 6 :** Now you can access all the tracks that are present in the USB/NAS/LOCAL folders and also web radios.



From now on you will control your playback from anything that has a browser: a tablet, a mobile phone, a computer.

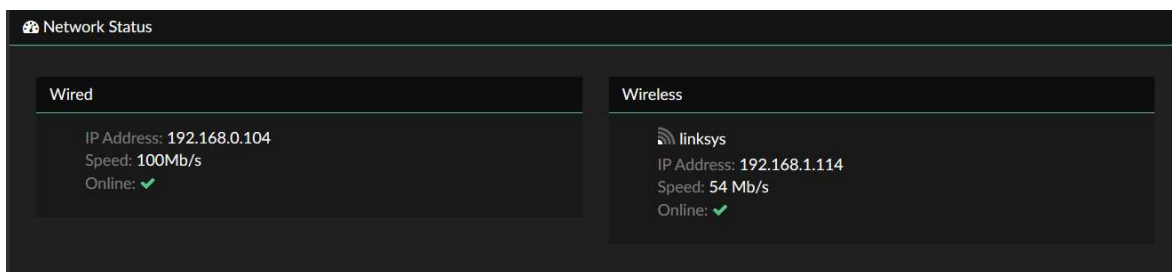
Volumio also offers android and ios apps for controlling the playback for this you need to download the application and connect your phone to the same network your SBC been connected.

To enable wireless through volumio goto the networks menu and enable the wireless networking

And it will list the available wireless networks present and connect to a network.

Upon connecting it will allot an IP address which eases you to connect through your volumio app.

The particular IP will be seen in the volumio player by selecting the player (name will be specified in system -> settings) and connect to it.



Now you can play through the volumio player by selecting the player (name will be specified in system -> settings) and connect to it.

If you need SSH access:

Log in with ssh as: user: volumio password: volumio

\*\* latest volumio Image SSH need to enable on web GUI <http://volumio.local/DEV>

[https://volumio.github.io/docs/User\\_Manual/SSH.html](https://volumio.github.io/docs/User_Manual/SSH.html)

[https://volumio.github.io/docs/User\\_Manual/Quick\\_Start\\_Guide.html](https://volumio.github.io/docs/User_Manual/Quick_Start_Guide.html)

**For REFERENCE :** Volumio ssh terminal results for aplay -l

```
volumio@volumio:~$ alsa mixer -c 1
volumio@volumio:~$ aplay -l
**** List of PLAYBACK Hardware Devices ****
card 0: ALSA [bcm2835 ALSA], device 0: bcm2835 ALSA [bcm2835 ALSA]
  Subdevices: 7/7
    Subdevice #0: subdevice #0
    Subdevice #1: subdevice #1
    Subdevice #2: subdevice #2
    Subdevice #3: subdevice #3
    Subdevice #4: subdevice #4
    Subdevice #5: subdevice #5
    Subdevice #6: subdevice #6
card 0: ALSA [bcm2835 ALSA], device 1: bcm2835 ALSA [bcm2835 IEC958/HDMI]
  Subdevices: 1/1
    Subdevice #0: subdevice #0
card 1: Katana [Allo Katana], device 0: bcm2835-i2s-allo-katana-codec allo-katana-codec-0 []
  Subdevices: 0/1
    Subdevice #0: subdevice #0
volumio@volumio:~$
```

