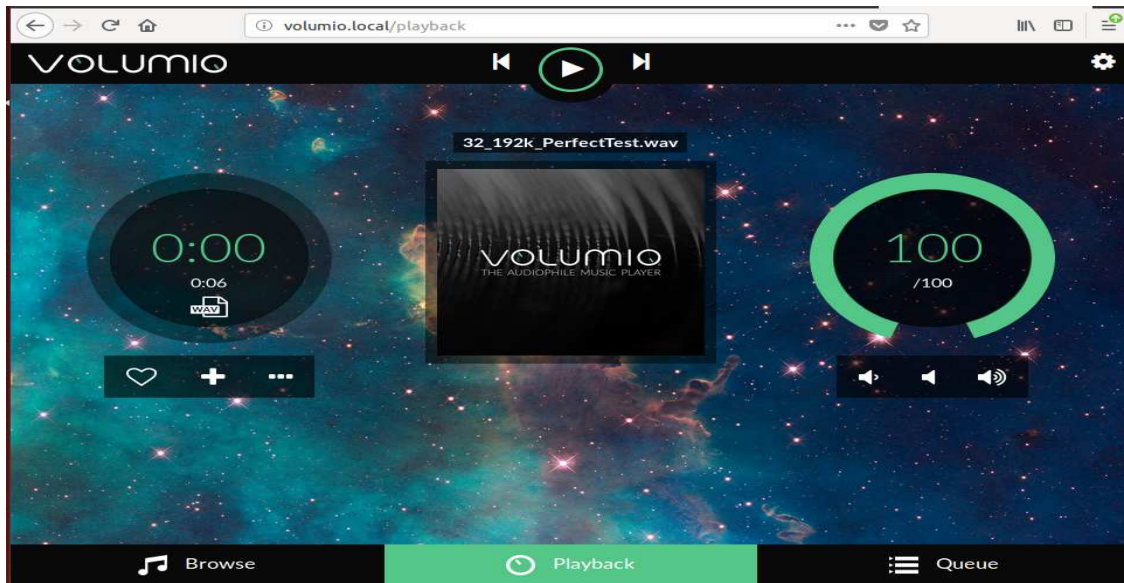


Volumio SSH enable on first boot

1. Upon flashing the volumio sparky image on a SD card or Emmc get the ip address of the particular board by connecting it to the monitor. On obtaining the Ip address you can access the volumio on the browser by typing the ip address or <http://volumio.local/> .You will get a display like this



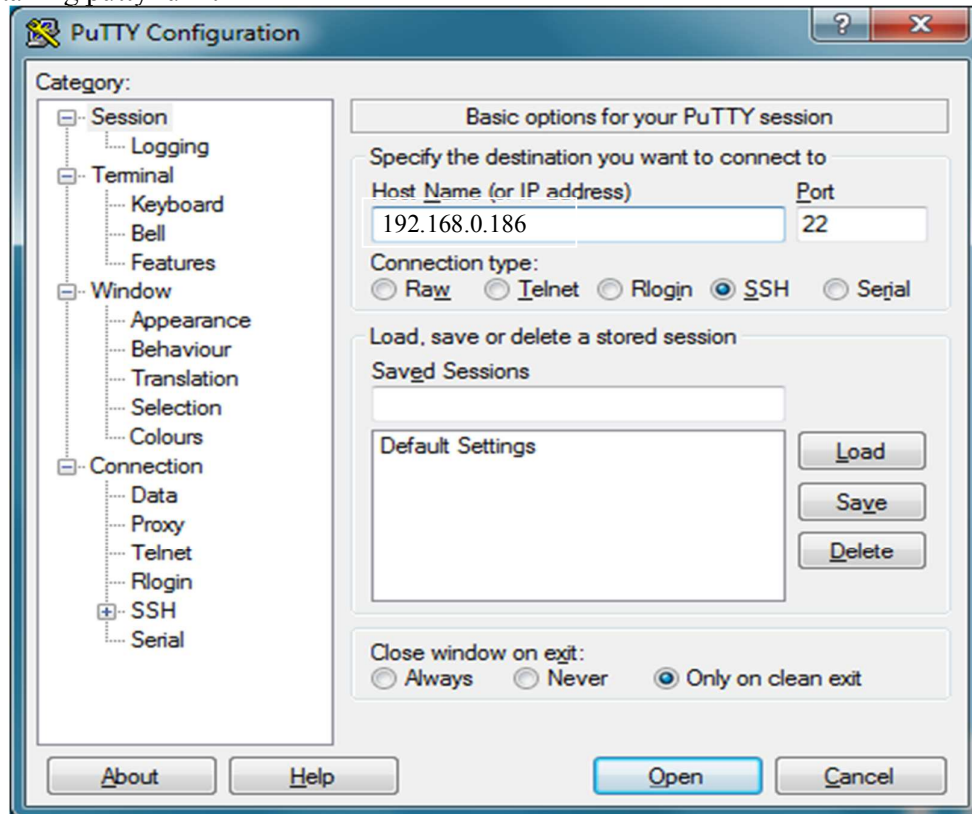
2. Now to enable ssh use the board ip (eg : 192.168.0.186) type <http://192.168.0.186/dev/> a screen as below can be seen where you can enable ssh by clicking on “Enable” below the Ssh menu



Thus You can able to ssh the Board through terminal(linux and mac) or putty(Windows)

For downloading putty you can refer to this link <http://www.putty.org/> and download the 32/64 bit according to your system configuration.

Upon installing putty run it



Enter the ip address of the board in the feild Host Name(or IP address) and click on open then it will ask for the credentials use the credentials stated below.

Login

Username : volumio

password: volumio

After Ssh through putty or terminal

Usb 1.1 mode enabling :

Edit the uenv.txt file using nano: nano /boot/uenv.txt and change the two boot arguments
aotg.aotg1_speed=1

Note : please ensure it at the end of the line .

The terminal window shows a login prompt for 'volumio' on IP '192.168.0.41'. After a password is entered, a large ASCII art logo for 'Volumio' is displayed. Below the logo, it says 'Free Audiophile Linux Music Player - Version 2.0' and '© 2015 Michelangelo Guarise - Volumio Team - Volumio.org'. A disclaimer states: 'Volumio Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.' The user then runs the command 'nano /boot/uenv.txt', which opens the nano text editor.

```
volumio@volumio: ~  
login as: volumio  
volumio@192.168.0.41's password:  
  
Free Audiophile Linux Music Player - Version 2.0  
  
© 2015 Michelangelo Guarise - Volumio Team - Volumio.org  
  
Volumio Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent  
permitted by applicable law.  
volumio@volumio:~$ nano /boot/uenv.txt
```

The nano editor window shows the file '/boot/uenv.txt' with the following content:

```
GNU nano 2.2.6 File: /boot/uenv.txt Modified  
  
uenvcmd=setenv os_type linux;  
$rt=/dev/mmcblk0p2 imgfile=/volumio_current.sqsh aotg.aotg1_speed=1  
  
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos  
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell
```

^x (ctrl + x) save and exit

The nano editor shows the same content as before. At the bottom, a prompt asks: 'Save modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ?'. The cursor is on the 'Y' option.

```
GNU nano 2.2.6 File: /boot/uenv.txt Modified  
  
uenvcmd=setenv os_type linux;  
$rt=/dev/mmcblk0p2 imgfile=/volumio_current.sqsh aotg.aotg1_speed=1  
  
Save modified buffer (ANSWERING "No" WILL DESTROY CHANGES) ?  
Y Yes  
N No ^C Cancel
```

Yes

The nano editor shows the same content. At the bottom, a prompt asks: 'File Name to Write: /boot/uenv.txt'. The cursor is on the 'Y' option.

```
GNU nano 2.2.6 File: /boot/uenv.txt Modified  
  
uenvcmd=setenv os_type linux;  
$rt=/dev/mmcblk0p2 imgfile=/volumio_current.sqsh aotg.aotg1_speed=1  
  
File Name to Write: /boot/uenv.txt  
^G Get Help M-D DOS Format M-A Append M-B Backup File  
^C Cancel M-M Mac Format M-P Prepend
```

Enter , then reboot the system.

Or flash the UA1 (USB 1.1) mode configured image on eMMC or uSD card.

<https://goo.gl/5TKEc9>

procedure :

https://github.com/sparkysbc/sparky_linux_images/blob/master/sparky_eMMC-002.pdf