KATANA Player (Dietpi OS)

You have selected Dietpi OS, see below info about it:
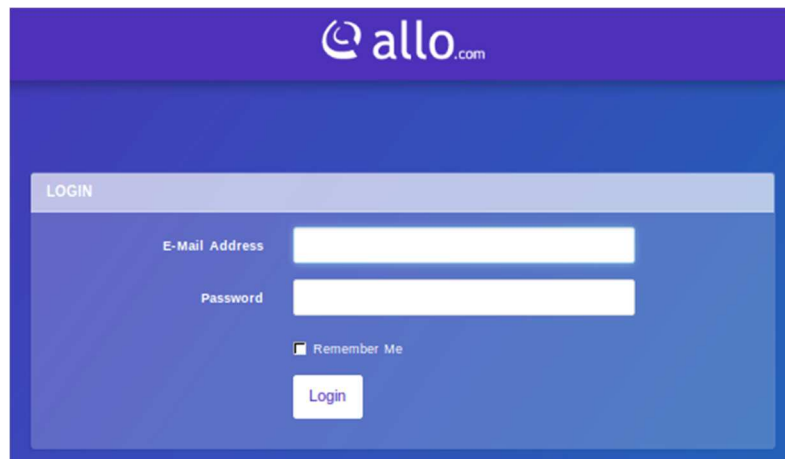https://dietpi.com/phpbb/viewtopic.php?f=8&t=2317&p=8869#p8869
OS download link: http://dietpi.com/downloads/images/DietPi_RPi-ARMv7-Stretch_AlloGUI.7z

Product information and manuals are available http://Allo.com

Please follow these startup steps.

1) Connect all RCA cable and accessories to Katana player.
    -RCA cables to Amplifier (For XLR additional wiring Required)
    - ethernet to router
    - before powering on, check manual for correct sequence.
     Power on Unit
    Verify Ethernet LEDs status.
2) Find out the IP address of Katana Player from Router or IP scanner or on ROON controller
    Running on Windows.
    Default host name dietpi.
    On ROON - list Dietpi, IP address, kernel version, Audio Device as KatanaDAC
     *by default, KATANA DAC configured on Allo Web GUI.
3) Open web-browser on locally connected PC to configure the Audio Device.
     dietpi.local or IP address of the player

Allo Web GUI Login E-Mail address: admin@allo.com   password : allo

4) Configure Audio Device: System settings ensure ALLO-KATANA DAC configured as Sound
    card.

SOUNDCARD SELECTION

SoundCard :

allo-katana-dac-audio	▾
rpi-bcm2835-ultrahq	
rpi-bcm2835-ultrahq-3.5mm	
allo-boss-dac-pcm512x-audio	
allo-digione	
allo-katana-dac-audio	
allo-piano-dac-pcm512x-audio	
allo-piano-dac-plus-pcm512x-audio	
usb-dac	
none	

CPU GOVERNOR

CPU Governor :

SOUNDCARD SELECTION

SoundCard :

allo-katana-dac-audio	▾

5) ROON BRIDGE status check Active.

6) Open ROON server- controller Application

Roon server list the KatanaDAC endpoint available on the same network.
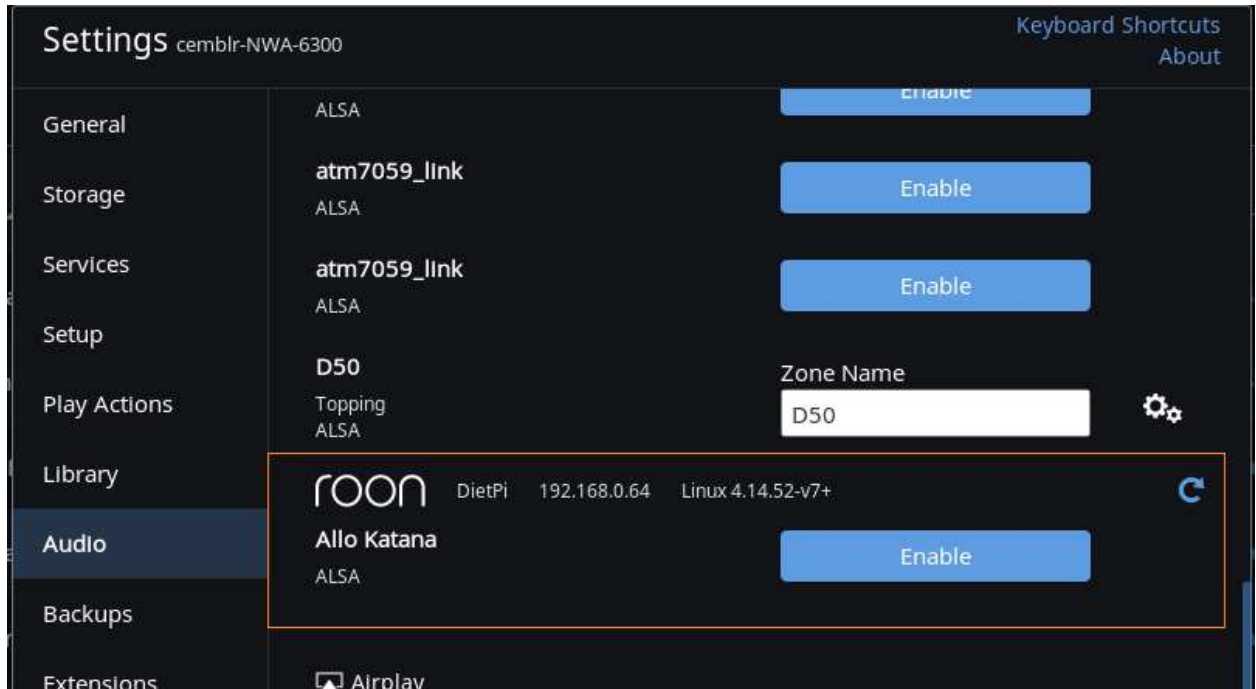
Enable the KatanDAC , Select the AUDIO device , Play the Music ……
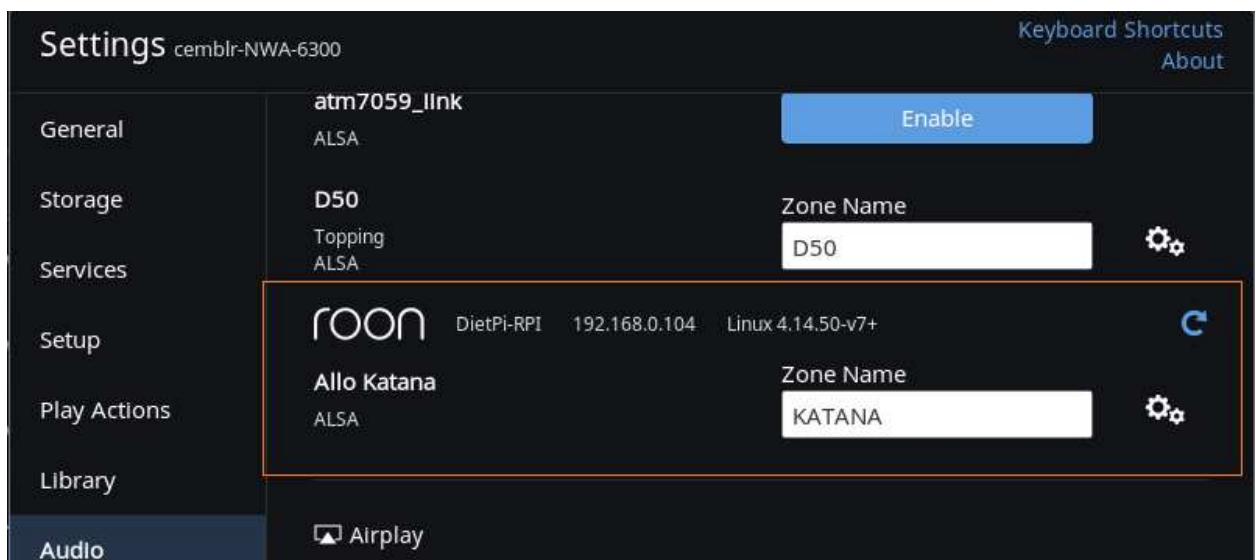
DoP settings.
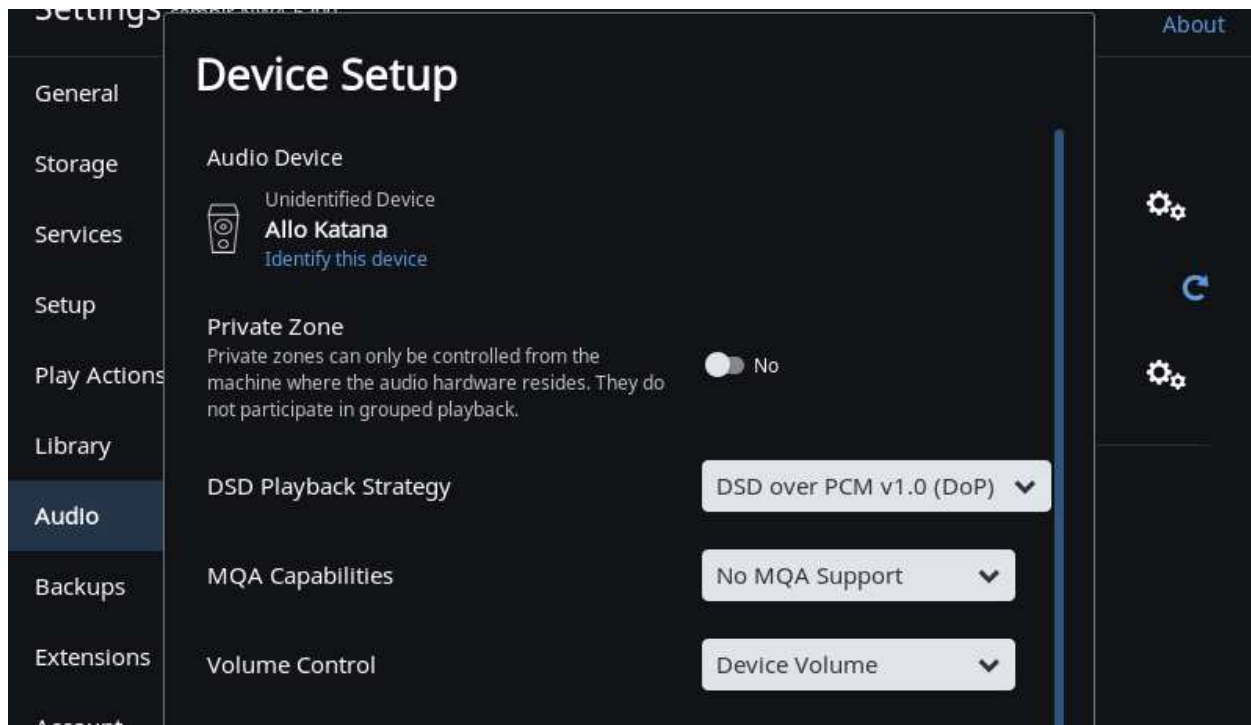
7) Wi-Fi Enable possible ony through Terminal / SSH login

SSH login on windows refer:

https://github.com/sparkysbc/sparky_linux_images/blob/master/Dietpi_ssh_access.pdf

Wi-Fi settings refer

https://github.com/sparkysbc/sparky_linux_images/blob/master/Dietpi_wifi.pdf

SSH terminal command outputs


```
 dietpi-config     = Feature rich configuration tool for your device.
 dietpi-software   = Select optimized software for installation.
 htop              = Resource monitor.
 cpu               = Shows CPU information and stats.

root@DietPi-RPI:~#
root@DietPi-RPI:~#
root@DietPi-RPI:~#
root@DietPi-RPI:~# aplay -l
**** List of PLAYBACK Hardware Devices ****
card 0: Katana [Allo Katana], device 0: bcm2835-i2s-allo-katana-codec allo-katana-codec-0 []
  Subdevices: 1/1
  Subdevice #0: subdevice #0
root@DietPi-RPI:~#
```

```
lqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq AlsaMixer v1.1.3 qqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqk
x Card: Allo Katana                                              F1:  Help                x
x Chip:                                                          F2:  System information  x
x View: F3:[Playback] F4: Capture  F5: All                      F6:  Select sound card   x
x Item: Master [dB gain: -7.97, -7.97]                           Esc: Exit                x
x                                                                                         x
x                                                                                         x
x                                                                                         x
x                    lqqk                                                                 x
x                    x  x                                                                 x
x                    x  x                                                                 x
x                    x  x                                                                 x
x                    x  x                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    xaax                                                                 x
x                    tqqu      Apodizing Fa    Bypass       lqqk                          x
x                    xOOx                                    xOOx                          x
x                    mqqj                                    mqqj                          x
x                    73<>73                                                               x
x                 <    Master  >DSP Program   Deemphasis     DoP                          x
x                                                                                         x
x                                                                                         x
x                                                                                         x
mqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqj
```

Alsamixer settings.

```
root@DietPi-RPI:~#
root@DietPi-RPI:~#
root@DietPi-RPI:~# aplay -l
**** List of PLAYBACK Hardware Devices ****
card 0: Katana [Allo Katana], device 0: bcm2835-i2s-allo-katana-codec allo-katana-codec-0 []
  Subdevices: 0/1
  Subdevice #0: subdevice #0
root@DietPi-RPI:~# alsamixer
root@DietPi-RPI:~# cat /proc/asound/Katana/pcm0p/sub0/hw_params
access: RW_INTERLEAVED
format: S32_LE
subformat: STD
channels: 2
rate: 44100 (44100/1)
period_size: 882
buffer_size: 1764
root@DietPi-RPI:~# cat /proc/asound/Katana/pcm0p/sub0/hw_params
access: RW_INTERLEAVED
format: S32_LE
subformat: STD
channels: 2
rate: 352800 (352800/1)
period_size: 7056
buffer_size: 14112
root@DietPi-RPI:~#
```