

DietPi SSH access on Windows machine:

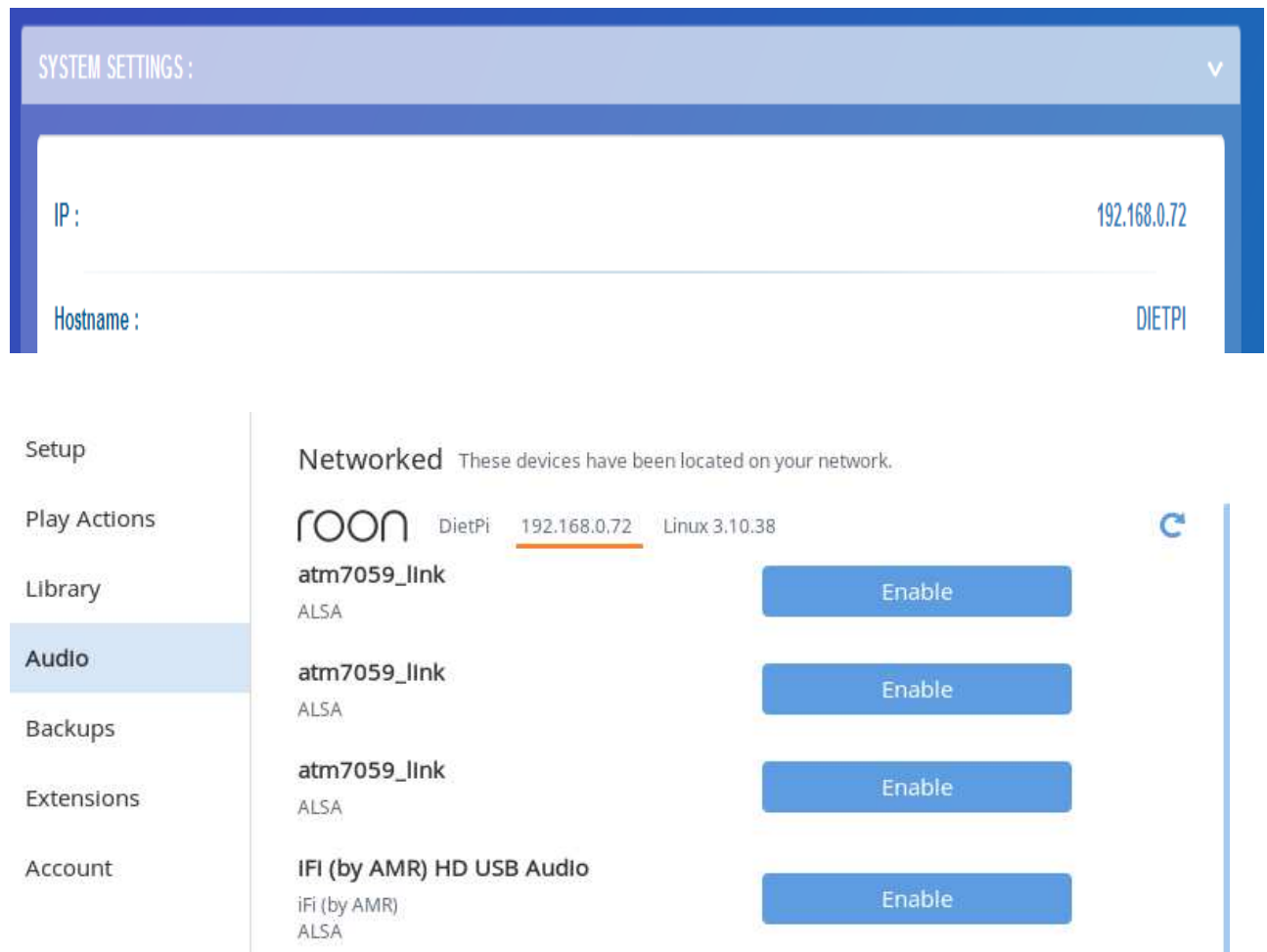
1. download putty.exe or install putty Application on windows

<http://www.putty.org/>

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

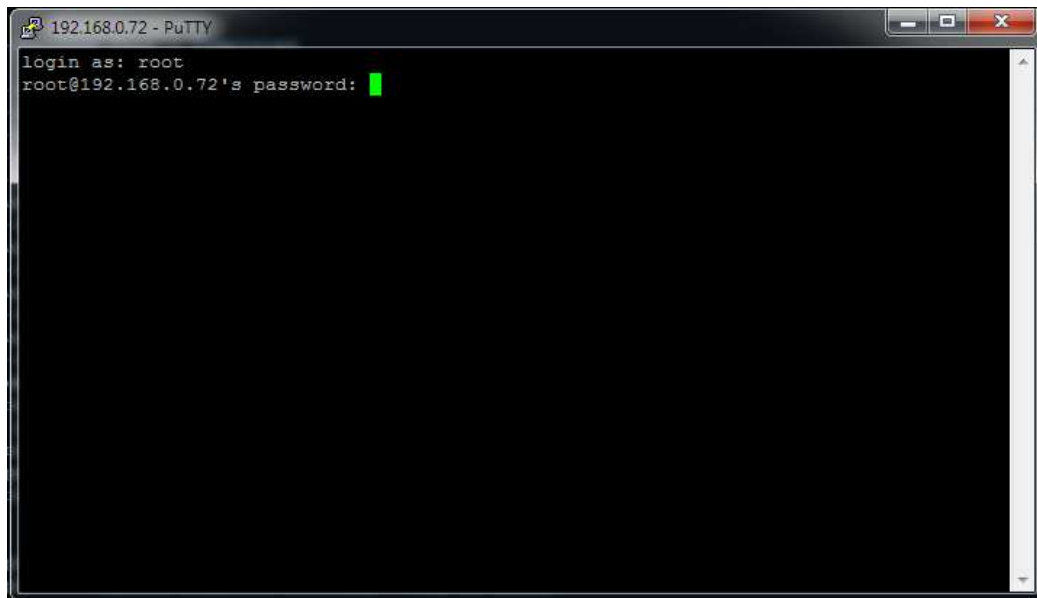
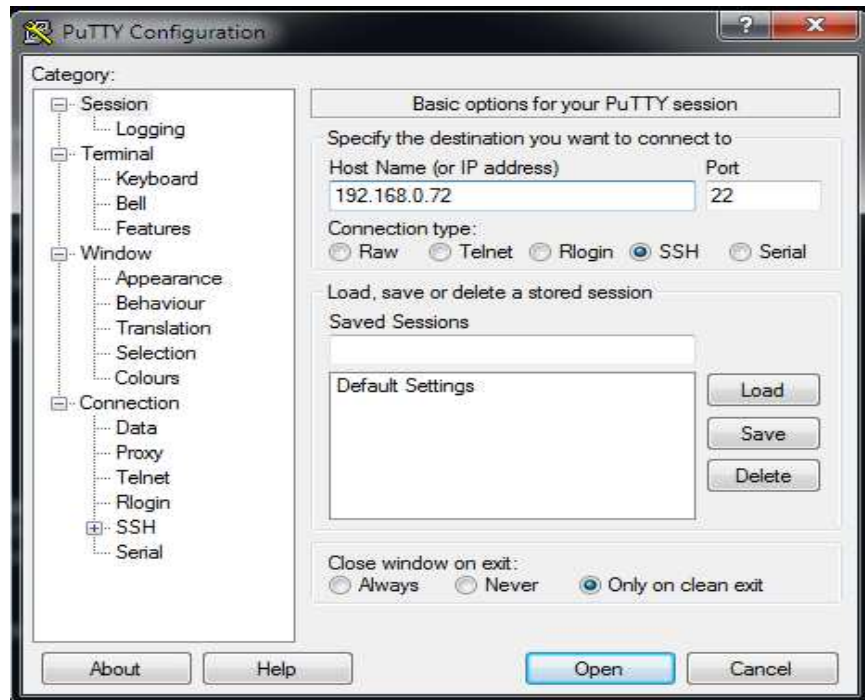
2. find out the Board IP address :

From GUI : dietpi.local and check under system settings the IP address or from router find out the IP address.



ROON shows the IP address located on same network

3. Open puttye.exe /putty application on windows and login with board IP address. Type the board IP address on putty and open.
(For example shows IP address 192.168.0.72 , you have to enter your board IP address)



Login as :root

Password : dietpi

Now you can type the basic commands as suggested by Support
lsusb , lsusb -t , aplay -l , cat /proc/asound/card1/stream0 ,
fdisk -l , mount

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root@DietPi: ~
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V159          | Sparky SBC (armv7l)
-----
IP Address    | 192.168.0.72
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Created by : Daniel Knight
Web        : http://DietPi.com
Twitter    : http://twitter.com/dietpi_
Donate     : http://goo.gl/pzISt9
DietPi's web hosting is powered by: MyVirtualServer.com


dietpi-launcher = All the DietPi programs in one place.
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.


      *#*
    *###*
  *#####*
 *#####*
*#####*
*Merry Xmas*
*#####*

      █

Lightweight Xmas Justice Tips:
- Be good, Amazon do sell coal.
- Cherish every moment, even the awkward family gatherings ;)
- 'Ho Ho Ho, Green Giant' swaps his job!

All the best from everyone at DietPi ==>)

root@DietPi:~# █

```

Example:

lsusb , lsusb -t on USBridge (Here 0424:2412 id on bus 004 shows USBridge detection)

```

root@DietPi: ~
htop          = Resource monitor.
cpu           = Shows CPU information and stats.

root@DietPi:~# lsusb
Bus 004 Device 002: ID 0424:2412 Standard Microsystems Corp.
Bus 004 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 003 Device 002: ID 1a40:0101 Terminus Technology Inc. Hub
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
root@DietPi:~# lsusb -t
/: Bus 04.Port 1: Dev 1, Class=root_hub, Driver=aotg_hcd/1p, 480M
   |__ Port 1: Dev 2, If 0, Class=Hub, Driver=hub/2p, 480M
/: Bus 03.Port 1: Dev 1, Class=root_hub, Driver=aotg_hcd/1p, 480M
   |__ Port 1: Dev 2, If 0, Class=Hub, Driver=hub/4p, 480M
/: Bus 02.Port 1: Dev 1, Class=root_hub, Driver=xhci-hcd/1p, 5000M
/: Bus 01.Port 1: Dev 1, Class=root_hub, Driver=xhci-hcd/1p, 480M
root@DietPi:~# █

```

,lsusb ,lsusb -t , aplay -l command results of USBridge with iFi-nano USB DAC

```
root@DietPi: ~  
/: Bus 01.Port 1: Dev 1, Class=root_hub, Driver=xhci-hcd/lp, 480M  
root@DietPi:~# lsusb -t  
/: Bus 04.Port 1: Dev 1, Class=root_hub, Driver=aotg_hcd/lp, 480M  
|__ Port 1: Dev 2, If 0, Class=Hub, Driver=hub/2p, 480M  
|__ Port 1: Dev 3, If 0, Class=Audio, Driver=snd-usb-audio, 480M  
|__ Port 1: Dev 3, If 1, Class=Audio, Driver=snd-usb-audio, 480M  
|__ Port 1: Dev 3, If 2, Class=Application Specific Interface, Driver=, 480M  
/: Bus 03.Port 1: Dev 1, Class=root_hub, Driver=aotg_hcd/lp, 480M  
|__ Port 1: Dev 2, If 0, Class=Hub, Driver=hub/4p, 480M  
/: Bus 02.Port 1: Dev 1, Class=root_hub, Driver=xhci-hcd/lp, 5000M  
/: Bus 01.Port 1: Dev 1, Class=root_hub, Driver=xhci-hcd/lp, 480M  
root@DietPi:~# lsusb  
Bus 004 Device 003: ID 20b1:3008 XMOS Ltd  
Bus 004 Device 002: ID 0424:2412 Standard Microsystems Corp.  
Bus 004 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub  
Bus 003 Device 002: ID 1a40:0101 Terminus Technology Inc. Hub  
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub  
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub  
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub  
root@DietPi:~# aplay -l  
**** List of PLAYBACK Hardware Devices ****  
card 0: atm7059link [atm7059_link], device 0: ATC2603C PCM atc2603c-dai-0 []  
Subdevices: 1/1  
Subdevice #0: subdevice #0  
card 0: atm7059link [atm7059_link], device 1: HDMI PCM atm7059-hdmi-dai-1 []  
Subdevices: 1/1  
Subdevice #0: subdevice #0  
card 0: atm7059link [atm7059_link], device 2: SPDIF PCM atm7059-spdif-dai-2 []  
Subdevices: 1/1  
Subdevice #0: subdevice #0  
card 1: Audio [iFi (by AMR) HD USB Audio], device 0: USB Audio [USB Audio]  
Subdevices: 1/1  
Subdevice #0: subdevice #0  
root@DietPi:~#
```

cat /proc/asound/card1/stream0 command results of USBridge with iFi-nano USB DAC
DSD_U32_BE shows the native DSD support on USB dac.

```
root@DietPi: ~  
Subdevices: 1/1  
Subdevice #0: subdevice #0  
root@DietPi:~# cat /proc/asound/card1/stream0  
iFi (by AMR) iFi (by AMR) HD USB Audio at usb-aotg_hcd.1-1.1, high speed : USB Audio  
  
Playback:  
Status: Stop  
Interface 1  
Altset 1  
Format: S32_LE  
Channels: 2  
Endpoint: 1 OUT (ASYNC)  
Rates: 44100, 48000, 88200, 96000, 176400, 192000, 352800, 384000  
Data packet interval: 125 us  
Interface 1  
Altset 2  
Format: SPECIAL DSD U32 BE  
Channels: 2  
Endpoint: 1 OUT (ASYNC)  
Rates: 44100, 48000, 88200, 96000, 176400, 192000, 352800, 384000  
Data packet interval: 125 us  
root@DietPi:~#
```

** On Mac OS terminal available by default

On terminal , to access ssh

ssh [root@192.168.0.72](ssh://root@192.168.0.72)

password : dietpi

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