

Sound Monitor

PC

Prerequisite

```
sudo apt-get install netdiscover rrdtool  
  
# generate ssh keys  
ssh-keygen
```

Discover RADXA

```
sudo netdiscover  
...  
192.168.2.44    ac:a2:13:42:1c:14  
...
```

Upload key to RADXA (password is rock)

```
ssh-copy-id 192.168.x.y
```

Connect

Connect to RADXA

```
# user rock, password rock  
ssh rock@192.168.x.y
```

Graphs

Copy database

```
scp rock@192.168.x.y:~/monitor/db.rrd /tmp
```

Generate graph

RADXA

Python monitor

Project is in **/home/rock/monitor**

run

```
sudo systemctl stop monitor  
  
# start in foreground  
monitor_run  
  
# stop with CTRL+C
```

edit code

```
nano ~/monitor/monitor/capture.py
```

Service

/etc/systemd/system/monitor.service

```
[Unit]  
Description=Monitor  
  
[Service]  
Type=simple  
User=rock  
ExecStart=/usr/local/bin/monitor_run  
  
[Install]  
WantedBy=multi-user.target
```

Enable

```
systemctl enable vgaoff.service
```

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<https://wiki.csgalileo.org/tips/radxa/monitor?rev=1463127166>

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