

## Allo Revolution DAC firmware Upgraded (Linux OS )through Command Mode.

1.

Firmware link :

<http://3.230.113.73:9011/Allocom/Revolution/Firmware/ThesyconID/>

<http://3.230.113.73:9011/Allocom/Revolution/Firmware/XmosID/>

Firmware Upgrade executable command :

<http://3.230.113.73:9011/Allocom/Revolution/Firmware/utility-tool/RPI3/xmosdfu>

<http://3.230.113.73:9011/Allocom/Revolution/Firmware/utility-tool/Linux86/xmosdfu>

### **Procedure:**

#### **Steps:**

ssh login or open terminal

```
cd /usr/src
```

```
wget http://3.230.113.73:9011/Allocom/Revolution/xmosdfu/Linux86/xmosdfu
```

```
chmod +x xmosdfu
```

## **Download and copy the .bin (firmware ) to local folder**

i)

*wget*

*http://3.230.113.73:9011/Allocom/Revolution/Firmware/ThesyconID/revolution-8809-1-0-2-705k-24june20.bin*

**To upgrade use download command, to take backup from DAC use upload command.**

ii)

Below command used for upgrading the firmware.

*./xmosdfu --download revolution\_0008\_1\_0\_1\_705k\_22june20.bin*

**To upload and keep backup of existing firmware loaded on DAC**

iii)

*./xmosdfu --upload currentaudio.bin*

## Example screen copy - Allo USBridgeSig with Volumio OS.

```
volumio@volumio: ~  
root@volumio:/usr/src/Allo#  
root@volumio:/usr/src/Allo#  
root@volumio:/usr/src/Allo# lsusb  
Bus 001 Device 004: ID 0b95:1790 ASIX Electronics Corp.  
Bus 001 Device 003: ID 152a:8809 Thesycon Systemssoftware & Consulting GmbH  
Bus 001 Device 002: ID 0451:8142 Texas Instruments, Inc.  
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub  
root@volumio:/usr/src/Allo# ls  
revolution-8809-1-0-2-705k-24june20.bin xmosdfu  
root@volumio:/usr/src/Allo# ./xmosdfu --download revolution-8809-1-0-2-705k-24june20.bin  
VID = 0xb95, PID = 0x1790, BCDDDevice: 0x100  
VID = 0x152a, PID = 0x8809, BCDDDevice: 0x102  
XMOS DFU application started - Interface 2 claimed  
Detaching device from application mode.  
Waiting for device to restart and enter DFU mode...  
VID = 0x152a, PID = 0x8809, BCDDDevice: 0x102  
... DFU firmware upgrade device opened  
... Downloading image (revolution-8809-1-0-2-705k-24june20.bin) to device  
... Download complete  
... Returning device to application mode  
root@volumio:/usr/src/Allo#
```

Note : Use this Upgrade application only works for Allo Revolution DAC , ensure other DACs are not plugged in .