

Quick installation guide to enable the Hifi-Shield audio output on Ubuntu.

1. Assemble the C1+ with the Hifi-Shield, attach a USB keyboard, USB mouse and HDMI monitor, then power up the system.
2. Use the ODROID utility to resize the eMMC/SD disk partition.
3. Use the ODROID utility to update the kernel. I got version **3.10.80-125** when I did this.
4. To ensure that the Hifi-Shield kernel modules are loaded on boot, edit the file **/media/boot/boot.ini** by uncommenting this line:

```
setenv enabledac "enabledac"
```

1. To ensure that the Hifi-Shield becomes the default "sink" for the pulseaudio daemon, edit the file **/etc/pulse/default.pa** by adding this line at the end:

```
set-default-sink alsa_output.platform-odroid_sound_card.5.analog-stereo
```

1. To enable applications such as mpg321 to use the Hifi-Shield even when no pulseaudio daemon is running (e.g. from a cron job), add one more line to the end of the file **/etc/pulse/default.pa** :

```
suspend-sink alsa_output.platform-odroid_sound_card.5.analog-stereo 1
```

Note: Applications like mpg321 will start a pulseaudio daemon if there isn't one running already. However, the Hifi-Shield cannot be opened until the pulseaudio suspend-on-idle timeout expires. This causes the application to exit with an error message reporting that the Hifi-Shield is busy.

1. To test, connect an amplifier to the 3.5mm or RCA lineout jack on the Hifi-Shield, reboot the C1+, and then run:

```
aplay /usr/share/sounds/alsa/Front_Center.wav
```

Credit:

This instruction was made by culler (our forum member).

[Original Post](#)

Update If your kernel version is **3.10.96-143 or higher**, the I2S/DAC drivers have been changed to modules.

So you need to load the modules before enable the Hifi-Shield.

Refer this [LINK](#)

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