



# REALTEK

## **LINUX AUDIO SYSTEM Driver Installation Guide**

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**Author: Kailiang Yang**



**Realtek Semiconductor Corp.**

**No. 2, Innovation Road II, Hsinchu Science Park, Hsinchu 300, Taiwan**

**Tel.: +886-3-578-0211. Fax: +886-3-577-4713**

**[www.realtek.com.tw](http://www.realtek.com.tw)**

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## 1. Download Driver

If your Linux system Playback is no sound output or Recording is failed.  
Please download workaround driver from Realtek website.

<http://www.realtek.com/>

## 2. Unzip the driver source code

`tar jxvpf LinuxPkg_x.xxrcxx.tar.bz2`

`tar jxvpf alsa-driver-1.0.xx.tar.bz2`

## 3. Config compile environment

`./configure`

This will check your system which compile capabilities is.

If you want to compile the HDA driver part only, please follow belowing.

`./configure --with-cards=had-intel`

If you meet errors on this step, please see the bellowing.

FAQ1: You don't install the compile application. Go to install development tools.

```
root@johnny-ubuntu904:/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23# ./configure
checking for gcc... no
checking for cc... no
checking for cl.exe... no
configure: error: in `/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23':
configure: error: no acceptable C compiler found in $PATH
See `config.log' for more details.
root@johnny-ubuntu904:/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23#
```

FAQ2: You don't install the kernel source code or kernel header.

```
checking for directory with kernel build...
checking for kernel linux/version.h ... no
The file /usr/src/include/INCLUDE_VERSION_H does not exist.
Please install the package with full kernel sources for your distribution
or use --with-kernel=dir option to specify another directory with kernel
sources (default is /lib/modules/2.6.28-19-generic/build).
root@johnny-ubuntu904:/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23#
```

## 4. Compile driver source code

`make`

If you meet errors on this step, please see the bellowing.

FAQ: Your system don't have patch application. Please go to install patch App.

```
cp ../../alsa-kernel/include/ac97_codec.h .
patch -p0 -i ac97_codec.patch ac97_codec.h
make[4]: patch: Command not found
make[4]: *** [ac97_codec.h] Error 127
make[4]: Leaving directory `/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23/include/sound'
make[3]: *** [prepare] Error 2
make[3]: Leaving directory `/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23/include/sound'
make[2]: *** [prepare] Error 2
make[2]: Leaving directory `/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23/include'
make[1]: *** [dep] Error 1
make[1]: Leaving directory `/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23'
make: *** [include/sndversions.h] Error 2
root@johnny-ubuntu904:/home/johnny/realtek-linux-audiopack-5.15/alsa-driver-1.0.23#
```

If the error is not in upper list, please contact with us.

## **5. Install the new driver**

make install