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# Advanced Linux Sound Architecture (ALSA) project homepage

## Introduction

The Advanced Linux Sound Architecture (ALSA) provides audio and MIDI functionality to the Linux operating system. ALSA has the following significant features:

- Efficient support for all types of audio interfaces, from consumer sound cards to professional multichannel audio interfaces.
- Fully modularized sound drivers.
- SMP and thread-safe design (PLEASE READ THIS).
- User space library (alsa-lib) to simplify application programming and provide higher level functionality.
- Support for the older Open Sound System (OSS) API, providing binary compatibility for most OSS programs.

ALSA Project on GitHub (no releases there)

### Download a package

**Current versions**

- stable linux kernel
- linux firmware files (GIT)
- alsa-firmware-1.2.4 (sig)
- alsa-lib-1.2.9 (sig)
- alsa-ucm-conf-1.2.9 (sig)
- alsa-topology-conf-1.2.5.1 (sig)
- alsa-utils-1.2.9 (sig)
- alsa-tools-1.2.5 (sig)
- alsa-plugins-1.2.7.1 (sig)
- alsa-oss-1.1.8 (sig)
- pyalsa-1.2.7 (sig)
- tinycompress-1.2.8 (sig)

**Please, help us** to provide better content and organisation on this wiki. Read the Community Portal for more details.

## New ALSA Users

We need users to use, test and provide feedback on drivers and applications using ALSA. If you are interested, please subscribe to a mailing list.

- Is my soundcard supported?
- How do I test my soundcard?

**Other information**

- Unofficial wiki

## Alsa Project News

| | |
|---|---|
| 2023-05-04 | alsa-lib,alsa-ucm-conf,alsa-utils 1.2.9 release \| Changes v1.2.8 v1.2.9 |
| 2022-10-25 | alsa-lib,alsa-ucm-conf,alsa-utils,tinycompress 1.2.8 release \| Changes v1.2.7.2 v1.2.8 |
| 2022-07-08 | alsa-lib,alsa-ucm-conf 1.2.7.2 release \| Changes v1.2.7.1 v1.2.7.2 |
| 2022-06-17 | alsa-lib,alsa-ucm-conf,alsa-plugins 1.2.7.1 release \| Changes v1.2.7 v1.2.7.1 |
| 2022-05-31 | alsa 1.2.7 release \| Changes v1.2.6.3 v1.2.7 |
| 2021-12-17 | alsa-ucm-conf 1.2.6.3 release \| Changes v1.2.6.2 v1.2.6.3 |

## Advanced ALSA Users

We need users to use, test and provide feedback on drivers and applications using ALSA. If you are interested, please subscribe to a mailing list.

- How do I install the ALSA driver from source

## ALSA Developers

We need application developers who choose to use ALSA as the basis for their programs, programmers to work on low level drivers, writers to extend and improve our documentation. If you are interested, please subscribe to a mailing list.

- ALSA Library API