

libCEC Build from Source

- Operation confirmed with our **Ubuntu Mate/Minimal 18.04.1 on 4.14.87-153 kernel** with **the latest packages**.

This guide provides how to build **libCEC** on your own to enable CEC feature with Ubuntu 18.04.

Instruction

Preparation

We **strongly** recommend to update your system before proceeding.

```
$ sudo apt update && sudo apt full-upgrade
```

Install the necessary packages.

```
$ sudo apt install git cmake build-essential libudev-dev python-dev swig
```

Build / Install the sources

libCEC that we're going to use is an open source project by Pulse-Eight.

- [libCEC on Github](#)
- [libCEC introduction page](#)

Clone platform for libCEC uses from the Github repository then build/install that.

```
$ git clone https://github.com/Pulse-Eight/platform.git
$ mkdir platform/build
$ cd platform/build
$ cmake ..
$ make -j 8
$ sudo make install
```

Clone libCEC from the Github repository then build/install that.

```
$ git clone https://github.com/Pulse-Eight/libcec.git
$ cd libcec
$ wget -O libcec.patch
https://github.com/Kwiboo/libcec/commit/48255b7d4e1cba1050b8abfbd03be37c0737e832.patch
$ git apply libcec.patch
```

```
$ mkdir build
$ cd build
$ cmake -DHAVE_LINUX_API=1 ..
$ make -j 8
$ sudo make install
$ sudo ldconfig
```

Apply the built libCEC library

You have to remove exist libcec4 library to apply the new one.

After removing libcec4 via the apt package manager, you have to install cec-utils since cec-utils also will be removed when you remove libcec4.

```
$ sudo apt remove libcec4
$ sudo apt install cec-utils
```

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