

# The Hairless MIDI to Serial Bridge

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This is an installation guide for the Hairless MIDI to Serial Bridge on Ubuntu.

## Install the dependencies

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The Hairless program is a 32-bit executable, so on most modern 64-bit Linux distributions, you'll have to explicitly install some 32-bit libraries to be able to run it:

```
$ sudo apt install libasound2:i386 libsm6:i386 libxrender1:i386 libfontconfig1:i386 libasound2-plugins:i386
```

## Download and extract

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Download Hairless from the [website](#) ([direct link](#)).

Extract the archive, and save it where you store your software, for example `~/opt`.

The following commands download, extract, and move Hairless to `~/opt`:

```
$ cd /tmp
$ wget https://github.com/downloads/projectgus/hairless-midiserial/hairless-midiserial-0.4-linux.tgz
$ tar xzf hairless-midiserial-0.4-linux.tgz
$ mkdir -p ~/opt
$ mv hairless-midiserial ~/opt
```

Now you can already run Hairless by running the following command in a terminal:

```
$ ~/opt/hairless-midiserial/hairless-midiserial
```

You can add Hairless to your **PATH** by creating a symbolic link in `~/local/bin`:

```
$ mkdir -p ~/.local/bin
$ ln -s ../../opt/hairless-midiserial/hairless-midiserial ~/.local/bin
```

You can now run it by just typing `hairless-midiserial` in a terminal.

## Tested on

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- Ubuntu 19.10 - Hairless 0.4