

# Songlib: The C Library for Music Composition

written by: John C. Lusth

Revision Date: May 3, 2017

## Linux installation instructions

Begin the installation process by downloading the **songlib** source tarball into a directory named *songlib*:

```
mkdir ~/songlib
cd ~/songlib
wget beastie.cs.ua.edu/songlib/songlib-1.47.tgz
```

Then, unpack the tarball:

```
tar xvfz *.tgz
```

If `/usr/local/bin/` is not in your path, then you should add it. See the web for instructions on how to add a directory to the PATH environment variable.

Install the following supporting packages:

```
sudo apt-get install build-essential sox flac
```

If you are not on a Debian-based system and don't have *apt-get*, consult the web on how to install these packages.

For mp3 support, install:

```
sudo apt-get install lame libsox-fmt-mp3
```

Finally, build and install the library and install the utilities and sample note files by typing the command:

```
sudo make install
```

while in the *songlib* directory.

To test your installation, move into the *quickstart* directory and type *make play*:

```
cd quickstart
make play
```

You should see the song being constructed and then should hear it begin to play.