

Songlib: The C Library for Music Composition

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Mac installation instructions

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

```
mkdir ~/songlib
cd ~/songlib
curl -O 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.

Create the `/usr/local/bin/` directory, if it doesn't already exist:

```
sudo mkdir -p /usr/local/bin/
```

Move into the *songlib* directory and then into *mac* directory and install *wget*:

```
cd ~/songlib/mac
chmod +x wget
sudo cp wget /usr/local/bin
```

If you want to use additional songlib instrument sample packs, install *flac*:

```
cd ~/songlib/mac
open flac-1.2.1.dmg
```

Open up the *flac* folder on your desktop, double click on the installation icon, and follow the instructions.

At the bottom of the file `~/.bash_profile`, add the lines:

```
export WAVPLAYER=afplay
export PATH=~/.bin:/usr/local/bin:$PATH:.
```

Log out of your computer and log in again for these changes to go into effect.

Finally, build and install the library, build and install the utilities, and install the default 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  
make play
```

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