

# Songlib: The C Library for Music Composition

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## Cygwin/Windows installation instructions

First, browse to [www.cygwin.com](http://www.cygwin.com) and download the current *setup.exe* and run it. Use the 64-bit version of the setup program if you have a 64-bit computer.

Answer all the questions using the default answers. At some point, you will be asked to select some packages. Click on plus signs next to

- 'Audio' and click on the Skip column entry next to the *sox* entry.
- 'Devel' and click on the Skip column entry next to the *gcc-core* and *make* entries.
- 'Editors' and click on the Skip labels next to the *vim* and *vim-common* entries.
- 'Net' and click on the Skip label next to the *openssh* entry.
- 'Util' and click on the Skip label next to the *ncurses* entry.
- 'Web' and click on the Skip label next to the *wget* entry.

Finally, click on the *Next* button in the lower right corner and continue accepting defaults.

Once Cygwin is installed, open up a Cygwin terminal (an icon should be on your Desktop). Begin the songlib 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
```

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

```
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.