

Building sox with mp3 support (UPDATED). Works on OSX 10.9 Mavericks.

This is a revised set of instructions to get sox working on OSX with mp3 support. I recently went through the process that I explained [in a previous post](#) on a fresh OSX 10.9 Mavericks system. It was quite straightforward to get sox+mp3 working based on those instructions. I realized, though, that some small changes were needed to make it work. This is an attempt to fix those glitches. If you try this, reports of success (or failure) are very welcome.

1. Download sox, and the lame and libmad tarballs: [sox-14.4.1](#), [lame-3.99.5](#), [libmad-0.15.1b](#). Build all three from source forcing a 32-bit build (libmad is a bit old):

2. Build libmad using the following configure flags:

```
./configure CFLAGS="-m32 -arch i386" LDFLAGS="-arch i386" --enable-shared --disable-static
sudo make
sudo make install
```

3. Build lame using the following configure flags:

```
./configure CFLAGS="-m32 -arch i386" LDFLAGS="-arch i386" --enable-shared --disable-static
sudo make
sudo make install
```

4. Build sox with libmad and lame support using the following options:

```
./configure CFLAGS="-m32 -arch i386" LDFLAGS="-L/usr/local/lib" CPPFLAGS="-I/path/to/your/libmad-0.15.1b -I/path/to/your/lame-3.99.5/include" --with-mad --with-lame
sudo make -s
sudo make install
```

NOTE: You will need to substitute the “/path/to/your” bit with the real folders where the libmad and lame sources are located on your hard disk (probably in your Downloads/ folder if you didn’t move them).

After running the ./configure line in step #4 you should check the list of optional file formats to make sure that everything went well, i.e. mp3 is now active (“mp3=yes”):

```
OPTIONAL FILE FORMATS
amrnb.....no
amrwb.....no
ffmpeg.....no
flac.....yes
gsm.....yes (in-tree)
lpc10.....yes (in-tree)
mp2/mp3.....yes
id3tag.....no
lame.....yes
lame id3tag.....yes
dlopen lame.....no
mad.....yes
dlopen mad.....no
twolame.....no
oggvorbis.....no
sndfile.....yes
dlopen sndfile.....no
wavpack.....no

OTHER OPTIONS
ladspa effects.....yes
magic support.....no
png support.....no
GOMP support.....yes
```

Disclaimer: this may or may not work for you. On my computer the previous steps produce a fully functional sox binary with mp3 encoding/decoding capabilities. Good luck and thanks for letting me know whether this works for you or not.