### **[Re: Any way to add alsa support to ffmpeg without recompiling?](https://www.raspberrypi.org/forums/viewtopic.php?t=205181" \l "p1278611)**

<https://www.raspberrypi.org/forums/viewtopic.php?t=205181>

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[Tue Feb 27, 2018 12:35 am](https://www.raspberrypi.org/forums/viewtopic.php?p=1278611&sid=f449ff5571f43b51b00ebe066344590d#p1278611)

No, unfortunately not. You must recompile ffmpeg to add enable additional libraries. Below is the script I build to compile ffmpeg with alsa, fdk-aac, and libx264 support. It will install ffmpeg in your home folder inside a "ffmpeg" folder, so you'll need to call it specifically from there unless you add it to your path. I recommend uninstalling your current ffmpeg before using my script.  
  
Btw, I am able to stream directly to YouTube now without any issues. I use an external USB sound card and the PiCam v2 and stream a 1920x1080@25fps video stream with a 192kbps stereo audio stream mixed in. It works great!  
  
  
#!/bin/bash  
  
#Get some required libraries and header files for x264 and OMX  
sudo apt-get install libasound2-dev libvpx. libx264. libomxil-bellagio-dev -y  
  
#Get FFMPEG source code  
cd ~  
git clone <https://git.ffmpeg.org/ffmpeg.git> ffmpeg  
cd ffmpeg  
mkdir dependencies  
cd dependencies/  
mkdir output  
cd ~  
  
#Compile libx264  
git clone <http://git.videolan.org/git/x264.git>  
cd x264/  
./configure --enable-static --prefix=/home/pi/ffmpeg/dependencies/output/  
make -j4  
make install  
cd ~  
  
#Compile ALSA  
wget [ftp://ftp.alsa-project.org/pub/lib/alsa ... .1.tar.bz2](ftp://ftp.alsa-project.org/pub/lib/alsa-lib-1.1.1.tar.bz2)  
tar xjf alsa-lib-1.1.1.tar.bz2  
cd alsa-lib-1.1.1/  
./configure --prefix=/home/pi/ffmpeg/dependencies/output  
make -j4  
make install  
cd ~  
  
#Compile FDK-AAC  
sudo apt-get install pkg-config autoconf automake libtool -y  
git clone <https://github.com/mstorsjo/fdk-aac.git>  
cd fdk-aac  
./autogen.sh  
./configure --enable-shared --enable-static  
make -j4  
sudo make install  
sudo ldconfig  
cd ~  
  
#Compile FFMPEG  
cd ffmpeg  
./configure --prefix=/home/pi/ffmpeg/dependencies/output --enable-gpl --enable-libx264 --enable-nonfree --enable-libfdk\_aac --enable-omx --enable-omx-rpi --extra-cflags="-I/home/pi/ffmpeg/dependencies/output/include" --extra-ldflags="-L/home/pi/ffmpeg/dependencies/output/lib" --extra-libs="-lx264 -lpthread -lm -ldl"  
make -j4  
make install  
cd ~