

# OBS on the Raspberry Pi 4

I tried this using Ubuntu (arm64) for the Raspberry but it was kinda slow. So now I'm using standard Raspberry OS (armhf). Make sure to use a good and fast sd card! I'm also configuring Raspberry OS to accept my cheap USB 2.0 HDMI Capture Stick

1. `sudo apt update`
2. `sudo apt upgrade`
3. (optional (for using remote desktop)) `sudo apt install xrdp`
4. `sudo apt install build-essential checkinstall cmake git libmbedtls-dev libasound2-dev libavcodec-dev libavdevice-dev libavfilter-dev libavformat-dev libavutil-dev libcurl4-openssl-dev libfontconfig1-dev libfreetype6-dev libgl1-mesa-dev libjack-jackd2-dev libjansson-dev libluajit-5.1-dev libpulse-dev libqt5x11extras5-dev libspeexdsp-dev libswresample-dev libswscale-dev libudev-dev libv4l-dev libvlc-dev libx11-dev libx11-xcb1 libx11-xcb-dev libxcb-xinput0 libxcb-xinput-dev libxcb-randr0 libxcb-randr0-dev libxcb-xf86dev0 libxcb-xf86dev0-dev libx264-dev libxcb-shm0-dev libxcb-xinerama0-dev libxcomposite-dev libxinerama-dev pkg-config python3-dev qtbase5-dev libqt5svg5-dev swig qtbase5-private-dev libwayland-dev`
5. `sudo apt update`
6. `sudo apt upgrade`
7. `wget http://ftp.debian.org/debian/pool/non-free/f/fdk-aac/libfdk-aac2\_2.0.1-1\_armhf.deb`
8. `wget http://ftp.debian.org/debian/pool/non-free/f/fdk-aac/libfdk-aac-dev\_2.0.1-1\_armhf.deb`
9. `sudo dpkg -i libfdk-aac2_2.0.1-1_armhf.deb`
10. `sudo dpkg -i libfdk-aac-dev_2.0.1-1_armhf.deb`
11. `sudo git clone -recursive https://github.com/obsproject/obs-studio.git`
12. `cd obs-studio`
13. `mkdir build`
14. `cd build`
15. `sudo cmake -DUNIX_STRUCTURE=1 -DCMAKE_INSTALL_PREFIX=/usr ..`
16. `sudo make -j4`
17. `sudo make install`
18. `sudo nano /usr/share/applications/com.obsproject.Studio.desktop`
19. change Exec=obs to `bash -c "MESA_GL_VERSION_OVERRIDE=3.3 obs"` (should allow to launch over the menu (never worked for me))
20. `sudo nano /etc/modules`
21. paste this in the last line: `bcm2835-v4l2`
22. start obs: `MESA_GL_VERSION_OVERRIDE=3.3 obs`

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