# 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-xfixes0 libxcb-xfixes0-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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