## The TouchDisplay DevKit is based on the following technology:

- Raspberry Pi B+

- Official TouchScreen v1.1

The Operating System is based on raspbian: Linux raspberrypi 4.4.38-v7+ #938 SMP Thu Dec 15 15:22:21 GMT 2016 armv7l GNU/Linux

## The following packages are installed:

* acl/stable,now 2.2.52-2 armhf [installed]
* adduser/stable,now 3.113+nmu3 all [installed]
* alsa-utils/stable,now 1.0.28-1 armhf [installed,automatic]
* apt/stable,now 1.0.9.8.4 armhf [installed]
* apt-utils/stable,now 1.0.9.8.4 armhf [installed]
* base-files/stable,now 8+rpi1 armhf [installed]
* base-passwd/stable,now 3.5.37 armhf [installed]
* bash/stable,now 4.3-11+deb8u1 armhf [installed]
* binutils/stable,now 2.25-5 armhf [installed,automatic]
* bluez/stable,now 5.23-2+rpi2 armhf [installed,automatic]
* bluez-firmware/stable,now 1.2-3+rpi1 all [installed,automatic]
* bsdutils/stable,now 1:2.25.2-6 armhf [installed]
* ca-certificates/stable,now 20141019+deb8u2 all [installed]
* cmake/stable,now 3.6.2-2~bpo8+1 armhf [installed]
* cmake-data/stable,now 3.6.2-2~bpo8+1 all [installed,automatic]
* compton/stable,now 0.1~beta2-1 armhf [installed]
* console-setup/stable,now 1.123 all [installed]
* console-setup-linux/stable,now 1.123 all [installed,automatic]
* coreutils/stable,now 8.23-4 armhf [installed]
* cpio/stable,now 2.11+dfsg-4.1+deb8u1 armhf [installed]
* crda/stable,now 3.13-1 armhf [installed]
* cron/stable,now 3.0pl1-127+deb8u1 armhf [installed]
* dash/stable,now 0.5.7-4 armhf [installed]
* dbus/stable,now 1.8.22-0+deb8u1 armhf [installed,automatic]
* dbus-x11/stable,now 1.8.22-0+deb8u1 armhf [installed,automatic]
* debconf/stable,now 1.5.56 all [installed]
* debconf-i18n/stable,now 1.5.56 all [installed]
* debconf-utils/stable,now 1.5.56 all [installed]
* debianutils/stable,now 4.4 armhf [installed]
* device-tree-compiler/stable,now 1.4.1-1+rpi1 armhf [installed,automatic]
* dhcpcd5/stable,now 6.7.1-1+rpi5 armhf [installed]
* diffutils/stable,now 1:3.3-1 armhf [installed]
* dmsetup/stable,now 2:1.02.90-2.2+deb8u1 armhf [installed]
* dpkg/stable,now 1.17.27 armhf [installed]
* e2fslibs/stable,now 1.42.12-2 armhf [installed]
* e2fsprogs/stable,now 1.42.12-2 armhf [installed]
* evemu-tools/stable,now 1.2.0-2 armhf [installed,automatic]
* evtest/stable,now 1:1.32-1 armhf [installed]
* fake-hwclock/stable,now 0.9 all [installed]
* fbset/stable,now 2.1-28 armhf [installed]
* file/stable,now 1:5.22+15-2+deb8u3 armhf [installed,automatic]
* findutils/stable,now 4.4.2-9 armhf [installed]
* firmware-atheros/stable,now 0.43+rpi5 all [installed]
* firmware-brcm80211/stable,now 0.43+rpi5 all [installed]
* firmware-libertas/stable,now 0.43+rpi5 all [installed]
* firmware-ralink/stable,now 0.43+rpi5 all [installed]
* firmware-realtek/stable,now 0.43+rpi5 all [installed]
* gcc-4.9-base/stable,now 4.9.2-10 armhf [installed]
* gnome-mime-data/stable,now 2.18.0-1 all [installed]
* gnupg/stable,now 1.4.18-7+deb8u3 armhf [installed]
* gpgv/stable,now 1.4.18-7+deb8u3 armhf [installed]
* grep/stable,now 2.20-4.1 armhf [installed]
* gzip/stable,now 1.6-4 armhf [installed]
* hostname/stable,now 3.15 armhf [installed]
* ifupdown/stable,now 0.7.53.1 armhf [installed]
* info/stable,now 5.2.0.dfsg.1-6 armhf [installed]
* init/stable,now 1.22 armhf [installed]
* init-system-helpers/stable,now 1.22 all [installed]
* initramfs-tools/stable,now 0.120+deb8u2 all [installed]
* initscripts/stable,now 2.88dsf-59 armhf [installed]
* insserv/stable,now 1.14.0-5 armhf [installed]
* install-info/stable,now 5.2.0.dfsg.1-6 armhf [installed]
* iproute2/stable,now 3.16.0-2 armhf [installed]
* isc-dhcp-client/stable,now 4.3.1-6+deb8u2 armhf [installed]
* isc-dhcp-common/stable,now 4.3.1-6+deb8u2 armhf [installed]
* iso-codes/stable,now 3.57-1 all [installed,automatic]
* iw/stable,now 3.17-1 armhf [installed,automatic]
* kbd/stable,now 1.15.5-2 armhf [installed,automatic]
* keyboard-configuration/stable,now 1.123 all [installed]
* klibc-utils/stable,now 2.0.4-2+rpi1 armhf [installed]
* kmod/stable,now 18-3 armhf [installed]
* less/stable,now 458-3 armhf [installed]
* libacl1/stable,now 2.2.52-2 armhf [installed]
* libapt-inst1.5/stable,now 1.0.9.8.4 armhf [installed]
* libapt-pkg4.12/stable,now 1.0.9.8.4 armhf [installed]
* libarchive13/stable,now 3.1.2-11+deb8u3 armhf [installed,automatic]
* libasound2/stable,now 1.0.28-1+rpi2 armhf [installed,automatic]
* libasound2-data/stable,now 1.0.28-1+rpi2 all [installed,automatic]
* libasound2-dev/stable,now 1.0.28-1+rpi2 armhf [installed]
* libasyncns0/stable,now 0.8-5 armhf [installed,automatic]
* libattr1/stable,now 1:2.4.47-2 armhf [installed]
* libaudit-common/stable,now 1:2.4-1 all [installed]
* libaudit1/stable,now 1:2.4-1 armhf [installed]
* libavahi-common-data/stable,now 0.6.31-5 armhf [installed,automatic]
* libavahi-common3/stable,now 0.6.31-5 armhf [installed,automatic]
* libavahi-glib1/stable,now 0.6.31-5 armhf [installed]
* libblkid1/stable,now 2.25.2-6 armhf [installed]
* libbonobo2-0/stable,now 2.32.1-3 armhf [installed]
* libbonobo2-common/stable,now 2.32.1-3 all [installed,automatic]
* libboost-iostreams1.49.0/stable,now 1.49.0-4+b2 armhf [installed]
* libboost-iostreams1.50.0/stable,now 1.50.0-1+b2 armhf [installed]
* libboost-iostreams1.53.0/stable,now 1.53.0-6+b2 armhf [installed]
* libboost-iostreams1.54.0/stable,now 1.54.0-5 armhf [installed]
* libboost-iostreams1.55.0/stable,now 1.55.0+dfsg-3 armhf [installed]
* libbsd0/stable,now 0.7.0-2 armhf [installed]
* libbz2-1.0/stable,now 1.0.6-7 armhf [installed]
* libc-bin/stable,now 2.19-18+deb8u7 armhf [installed]
* libc6/stable,now 2.19-18+deb8u7 armhf [installed]
* libcanberra0/stable,now 0.30-2.1 armhf [installed]
* libcap-ng0/stable,now 0.7.4-2 armhf [installed,automatic]
* libcap2/stable,now 1:2.24-8 armhf [installed]
* libcap2-bin/stable,now 1:2.24-8 armhf [installed]
* libcomerr2/stable,now 1.42.12-2 armhf [installed]
* libconfig9/stable,now 1.4.9-2 armhf [installed,automatic]
* libcryptsetup4/stable,now 2:1.6.6-5 armhf [installed]
* libcurl3/stable,now 7.38.0-4+deb8u5 armhf [installed,automatic]
* libcwidget3/stable,now 0.5.17-2 armhf [installed]
* libdb5.3/stable,now 5.3.28-9 armhf [installed]
* libdbus-1-3/stable,now 1.8.22-0+deb8u1 armhf [installed]
* libdebconfclient0/stable,now 0.192 armhf [installed]
* libdevmapper1.02.1/stable,now 2:1.02.90-2.2+deb8u1 armhf [installed]
* libdns-export100/now 1:9.9.5.dfsg-9+deb8u9 armhf [installed,upgradable to: 1:9.9.5.dfsg-9+deb8u10]
* libdrm-amdgpu1/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm-dev/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm-exynos1/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm-freedreno1/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm-nouveau2/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm-omap1/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm-radeon1/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm-tegra0/stable,now 2.4.71-1+rpi1 armhf [installed,automatic]
* libdrm2/stable,now 2.4.71-1+rpi1 armhf [installed]
* libedit2/stable,now 3.1-20140620-2 armhf [installed,automatic]
* libegl1-mesa/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libegl1-mesa-dev/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libelf1/stable,now 0.159-4.2 armhf [installed,automatic]
* libestr0/stable,now 0.1.9-1.1 armhf [installed]
* libevemu1/stable,now 1.2.0-2 armhf [installed,automatic]
* libexpat1/stable,now 2.1.0-6+deb8u3 armhf [installed,automatic]
* libffi6/stable,now 3.1-2 armhf [installed]
* libflac-dev/stable,now 1.3.0-3 armhf [installed,automatic]
* libflac8/stable,now 1.3.0-3 armhf [installed,automatic]
* libfreeimage-dev/stable,now 3.15.4-4.2+deb8u1 armhf [installed]
* libfreeimage3/stable,now 3.15.4-4.2+deb8u1 armhf [installed,automatic]
* libgbm1/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libgcc1/stable,now 1:4.9.2-10 armhf [installed]
* libgcrypt20/stable,now 1.6.3-2+deb8u2 armhf [installed]
* libgdbm3/stable,now 1.8.3-13.1 armhf [installed]
* libgl1-mesa-dri/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libgl1-mesa-glx/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libglapi-mesa/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libgles2-mesa/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libgles2-mesa-dev/stable,now 13.0.0-1+rpi1 armhf [installed]
* libglib2.0-0/stable,now 2.42.1-1 armhf [installed,automatic]
* libglib2.0-data/stable,now 2.42.1-1 all [installed,automatic]
* libgmp10/stable,now 2:6.0.0+dfsg-6+rpi1 armhf [installed]
* libgnutls-deb0-28/stable,now 3.3.8-6+deb8u4 armhf [installed]
* libgnutls-openssl27/stable,now 3.3.8-6+deb8u4 armhf [installed]
* libgomp1/stable,now 4.9.2-10 armhf [installed,automatic]
* libgpg-error0/stable,now 1.17-3 armhf [installed]
* libgssapi-krb5-2/stable,now 1.12.1+dfsg-19+deb8u2 armhf [installed,automatic]
* libhogweed2/stable,now 2.7.1-5+deb8u2 armhf [installed]
* libice6/stable,now 2:1.0.9-1 armhf [installed,automatic]
* libicu52/stable,now 52.1-8+deb8u4 armhf [installed]
* libident/stable,now 0.22-3 armhf [installed]
* libidn11/stable,now 1.29-1+deb8u2 armhf [installed]
* libilmbase6/stable,now 1.0.1-6.1 armhf [installed,automatic]
* libirs-export91/now 1:9.9.5.dfsg-9+deb8u9 armhf [installed,upgradable to: 1:9.9.5.dfsg-9+deb8u10]
* libisc-export95/now 1:9.9.5.dfsg-9+deb8u9 armhf [installed,upgradable to: 1:9.9.5.dfsg-9+deb8u10]
* libisccfg-export90/now 1:9.9.5.dfsg-9+deb8u9 armhf [installed,upgradable to: 1:9.9.5.dfsg-9+deb8u10]
* libiw30/stable,now 30~pre9-8 armhf [installed,automatic]
* libjasper1/now 1.900.1-debian1-2.4+deb8u1 armhf [installed,upgradable to: 1.900.1-debian1-2.4+deb8u2]
* libjbig0/stable,now 2.1-3.1 armhf [installed,automatic]
* libjim0.75/stable,now 0.75-1 armhf [installed,automatic]
* libjpeg62-turbo/stable,now 1:1.3.1-12 armhf [installed,automatic]
* libjpeg8/stable,now 8d1-2 armhf [installed,automatic]
* libjson-c2/stable,now 0.11-4 armhf [installed]
* libjsoncpp0/stable,now 0.6.0~rc2-3.1 armhf [installed,automatic]
* libk5crypto3/stable,now 1.12.1+dfsg-19+deb8u2 armhf [installed,automatic]
* libkeyutils1/stable,now 1.5.9-5 armhf [installed,automatic]
* libklibc/stable,now 2.0.4-2+rpi1 armhf [installed]
* libkmod2/stable,now 18-3 armhf [installed]
* libkrb5-3/stable,now 1.12.1+dfsg-19+deb8u2 armhf [installed,automatic]
* libkrb5support0/stable,now 1.12.1+dfsg-19+deb8u2 armhf [installed,automatic]
* liblcms2-2/stable,now 2.6-3+deb8u1 armhf [installed,automatic]
* libldap-2.4-2/stable,now 2.4.40+dfsg-1 armhf [installed,automatic]
* libllvm3.9/stable,now 1:3.9-4 armhf [installed,automatic]
* liblocale-gettext-perl/stable,now 1.05-8+b1 armhf [installed]
* libltdl7/stable,now 2.4.2-1.11 armhf [installed,automatic]
* libluajit-5.1-common/stable,now 2.0.3+dfsg-3 all [installed,automatic]
* liblzma5/stable,now 5.1.1alpha+20120614-2 armhf [installed]
* liblzo2-2/stable,now 2.08-1.2 armhf [installed,automatic]
* libmagic1/stable,now 1:5.22+15-2+deb8u3 armhf [installed,automatic]
* libmng1/stable,now 1.0.10+dfsg-3.1 armhf [installed,automatic]
* libmount1/stable,now 2.25.2-6 armhf [installed]
* libncurses5/stable,now 5.9+20140913-1 armhf [installed]
* libncursesw5/stable,now 5.9+20140913-1 armhf [installed]
* libnettle4/stable,now 2.7.1-5+deb8u2 armhf [installed]
* libnewt0.52/stable,now 0.52.17-1 armhf [installed]
* libnfnetlink0/stable,now 1.0.1-3 armhf [installed]
* libnih-dbus1/stable,now 1.0.3-4.3 armhf [installed]
* libnih1/stable,now 1.0.3-4.3 armhf [installed]
* libnl-3-200/stable,now 3.2.24-2 armhf [installed,automatic]
* libnl-genl-3-200/stable,now 3.2.24-2 armhf [installed,automatic]
* libogg-dev/stable,now 1.3.2-1 armhf [installed,automatic]
* libogg0/stable,now 1.3.2-1 armhf [installed,automatic]
* libopenal-data/stable,now 1:1.15.1-5 all [installed,automatic]
* libopenal-dev/stable,now 1:1.15.1-5 armhf [installed]
* libopenal1/stable,now 1:1.15.1-5 armhf [installed,automatic]
* libopenexr6/stable,now 1.6.1-8 armhf [installed,automatic]
* libopenjpeg5/stable,now 1:1.5.2-3 armhf [installed,automatic]
* libopts25/stable,now 1:5.18.4-3 armhf [installed,automatic]
* liborbit-2-0/stable,now 1:2.14.19-0.3 armhf [installed,automatic]
* libp11-kit0/stable,now 0.20.7-1 armhf [installed]
* libpam-modules/stable,now 1.1.8-3.1+deb8u2 armhf [installed,upgradable to: 1.1.8-3.1+deb8u2+rpi1]
* libpam-modules-bin/stable,now 1.1.8-3.1+deb8u2 armhf [installed,upgradable to: 1.1.8-3.1+deb8u2+rpi1]
* libpam-runtime/stable,now 1.1.8-3.1+deb8u2 all [installed,upgradable to: 1.1.8-3.1+deb8u2+rpi1]
* libpam0g/stable,now 1.1.8-3.1+deb8u2 armhf [installed,upgradable to: 1.1.8-3.1+deb8u2+rpi1]
* libparted2/stable,now 3.2-7 armhf [installed,automatic]
* libpcre3/stable,now 2:8.35-3.3+deb8u4 armhf [installed]
* libpcsclite1/stable,now 1.8.13-1+deb8u1 armhf [installed,automatic]
* libpipeline1/stable,now 1.4.0-1 armhf [installed]
* libplymouth4/stable,now 0.9.2-3+rpi1 armhf [installed,automatic]
* libpng12-0/stable,now 1.2.50-2+deb8u3 armhf [installed]
* libpopt0/stable,now 1.16-10 armhf [installed]
* libprocps3/stable,now 2:3.3.9-9 armhf [installed]
* libpsl0/stable,now 0.5.1-1 armhf [installed]
* libpthread-stubs0-dev/stable,now 0.3-4 armhf [installed,automatic]
* libpulse0/stable,now 5.0-13 armhf [installed,automatic]
* libpython-stdlib/stable,now 2.7.9-1 armhf [installed,automatic]
* libpython2.7-minimal/stable,now 2.7.9-2+deb8u1 armhf [installed,automatic]
* libpython2.7-stdlib/stable,now 2.7.9-2+deb8u1 armhf [installed,automatic]
* libraspberrypi-bin/now 1.20161215-1 armhf [installed,upgradable to: 1.20170215-1]
* libraspberrypi0/now 1.20161215-1 armhf [installed,upgradable to: 1.20170215-1]
* libraw10/stable,now 0.16.0-9+deb8u2 armhf [installed,automatic]
* libreadline6/stable,now 6.3-8 armhf [installed]
* librtmp1/stable,now 2.4+20150115.gita107cef-1 armhf [installed,automatic]
* libsamplerate0/stable,now 0.1.8-8 armhf [installed,automatic]
* libsasl2-2/stable,now 2.1.26.dfsg1-13+deb8u1 armhf [installed,automatic]
* libsasl2-modules/stable,now 2.1.26.dfsg1-13+deb8u1 armhf [installed,automatic]
* libsasl2-modules-db/stable,now 2.1.26.dfsg1-13+deb8u1 armhf [installed,automatic]
* libselinux1/stable,now 2.3-2 armhf [installed]
* libsemanage-common/stable,now 2.3-1 all [installed]
* libsemanage1/stable,now 2.3-1 armhf [installed]
* libsepol1/stable,now 2.3-2 armhf [installed]
* libsigc++-1.2-5c2/stable,now 1.2.7-2+b1 armhf [installed]
* libsigc++-2.0-0c2a/stable,now 2.4.0-1 armhf [installed]
* libslang2/stable,now 2.3.0-2 armhf [installed]
* libsm6/stable,now 2:1.2.2-1 armhf [installed,automatic]
* libsmartcols1/stable,now 2.25.2-6 armhf [installed]
* libsndfile1/stable,now 1.0.25-9.1+deb8u1 armhf [installed,automatic]
* libsndfile1-dev/stable,now 1.0.25-9.1+deb8u1 armhf [installed]
* libsqlite3-0/stable,now 3.8.7.1-1+deb8u2 armhf [installed]
* libss2/stable,now 1.42.12-2 armhf [installed]
* libssh2-1/stable,now 1.4.3-4.1+deb8u1 armhf [installed,automatic]
* libssl1.0.0/stable,now 1.0.1t-1+deb8u6 armhf [installed]
* libstdc++6/stable,now 4.9.2-10 armhf [installed]
* libsysfs2/stable,now 2.1.0+repack-4 armhf [installed]
* libsystemd0/stable,now 215-17+deb8u6 armhf [installed]
* libtasn1-6/stable,now 4.2-3+deb8u2 armhf [installed]
* libtdb1/stable,now 1.3.6-0+deb8u1 armhf [installed,automatic]
* libtext-charwidth-perl/stable,now 0.04-7+b4 armhf [installed]
* libtext-iconv-perl/stable,now 1.7-5+b5 armhf [installed]
* libtext-wrapi18n-perl/stable,now 0.06-7 all [installed]
* libtiff5/stable,now 4.0.3-12.3+deb8u2 armhf [installed,automatic]
* libtinfo5/stable,now 5.9+20140913-1 armhf [installed]
* libtxc-dxtn-s2tc0/stable,now 0~git20131104-1.1 armhf [installed,automatic]
* libudev-dev/stable,now 215-17+deb8u6 armhf [installed]
* libudev0/stable,now 175-7.2 armhf [installed]
* libudev1/stable,now 215-17+deb8u6 armhf [installed]
* libusb-0.1-4/stable,now 2:0.1.12-25 armhf [installed]
* libusb-1.0-0/stable,now 2:1.0.19-1 armhf [installed,automatic]
* libustr-1.0-1/stable,now 1.0.4-3 armhf [installed]
* libuuid1/stable,now 2.25.2-6 armhf [installed]
* libv4l-0/stable,now 1.6.0-2 armhf [installed,automatic]
* libv4l2rds0/stable,now 1.6.0-2 armhf [installed,automatic]
* libv4lconvert0/stable,now 1.6.0-2 armhf [installed,automatic]
* libvorbis-dev/stable,now 1.3.4-2 armhf [installed,automatic]
* libvorbis0a/stable,now 1.3.4-2 armhf [installed,automatic]
* libvorbisenc2/stable,now 1.3.4-2 armhf [installed,automatic]
* libvorbisfile3/stable,now 1.3.4-2 armhf [installed,automatic]
* libwayland-bin/stable,now 1.11.0-2 armhf [installed,automatic]
* libwayland-client0/stable,now 1.11.0-2 armhf [installed,automatic]
* libwayland-cursor0/stable,now 1.11.0-2 armhf [installed,automatic]
* libwayland-dev/stable,now 1.11.0-2 armhf [installed,automatic]
* libwayland-egl1-mesa/stable,now 13.0.0-1+rpi1 armhf [installed,automatic]
* libwayland-server0/stable,now 1.11.0-2 armhf [installed,automatic]
* libwebp-dev/stable,now 0.4.1-1.2 armhf [installed]
* libwebp5/stable,now 0.4.1-1.2 armhf [installed,automatic]
* libwebpdemux1/stable,now 0.4.1-1.2 armhf [installed,automatic]
* libwebpmux1/stable,now 0.4.1-1.2 armhf [installed,automatic]
* libwrap0/stable,now 7.6.q-25 armhf [installed,automatic]
* libx11-6/stable,now 2:1.6.2-3 armhf [installed,automatic]
* libx11-data/stable,now 2:1.6.2-3 all [installed,automatic]
* libx11-dev/stable,now 2:1.6.2-3 armhf [installed,automatic]
* libx11-doc/stable,now 2:1.6.2-3 all [installed,automatic]
* libx11-xcb-dev/stable,now 2:1.6.2-3 armhf [installed,automatic]
* libx11-xcb1/stable,now 2:1.6.2-3 armhf [installed,automatic]
* libxapian22/stable,now 1.2.19-1+deb8u1 armhf [installed]
* libxau-dev/stable,now 1:1.0.8-1 armhf [installed,automatic]
* libxau6/stable,now 1:1.0.8-1 armhf [installed,automatic]
* libxcb-dri2-0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-dri2-0-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-dri3-0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-dri3-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-glx0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-glx0-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-present-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-present0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-randr0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-randr0-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-render0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-render0-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-shape0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-shape0-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-sync-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-sync1/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-xfixes0/stable,now 1.10-3 armhf [installed,automatic]
* libxcb-xfixes0-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcb1/stable,now 1.10-3 armhf [installed,automatic]
* libxcb1-dev/stable,now 1.10-3 armhf [installed,automatic]
* libxcomposite1/stable,now 1:0.4.4-1 armhf [installed,automatic]
* libxdamage-dev/stable,now 1:1.1.4-2 armhf [installed,automatic]
* libxdamage1/stable,now 1:1.1.4-2 armhf [installed,automatic]
* libxdmcp-dev/stable,now 1:1.1.1-1 armhf [installed,automatic]
* libxdmcp6/stable,now 1:1.1.1-1 armhf [installed,automatic]
* libxext-dev/stable,now 2:1.3.3-1 armhf [installed,automatic]
* libxext6/stable,now 2:1.3.3-1 armhf [installed,automatic]
* libxfixes-dev/stable,now 1:5.0.1-2 armhf [installed,automatic]
* libxfixes3/stable,now 1:5.0.1-2 armhf [installed,automatic]
* libxi6/stable,now 2:1.7.4-1 armhf [installed,automatic]
* libxinerama1/stable,now 2:1.1.3-1 armhf [installed,automatic]
* libxml2/stable,now 2.9.1+dfsg1-5+deb8u4 armhf [installed,automatic]
* libxmuu1/stable,now 2:1.1.2-1 armhf [installed,automatic]
* libxrandr2/stable,now 2:1.4.2-1 armhf [installed,automatic]
* libxrender1/stable,now 1:0.9.8-1 armhf [installed,automatic]
* libxshmfence-dev/stable,now 1.1-4+rpi1 armhf [installed,automatic]
* libxshmfence1/stable,now 1.1-4+rpi1 armhf [installed,automatic]
* libxtables10/stable,now 1.4.21-2 armhf [installed]
* libxtst6/stable,now 2:1.2.2-1 armhf [installed,automatic]
* libxxf86vm-dev/stable,now 1:1.1.3-1 armhf [installed,automatic]
* libxxf86vm1/stable,now 1:1.1.3-1 armhf [installed,automatic]
* locales/stable,now 2.19-18+deb8u7 all [installed]
* login/now 1:4.2-3+deb8u1 armhf [installed,upgradable to: 1:4.2-3+deb8u3]
* logrotate/stable,now 3.8.7-1 armhf [installed]
* lsb-base/stable,now 4.1+Debian13+rpi1+nmu1 all [installed]
* lsb-release/stable,now 4.1+Debian13+rpi1+nmu1 all [installed,automatic]
* lua5.1/stable,now 5.1.5-7.1 armhf [installed]
* luajit/stable,now 2.0.3+dfsg-3 armhf [installed]
* make/stable,now 4.0-8.1 armhf [installed,automatic]
* makedev/stable,now 2.3.1-93 all [installed]
* mawk/stable,now 1.3.3-17 armhf [installed]
* mime-support/stable,now 3.58 all [installed,automatic]
* module-init-tools/stable,now 18-3 all [installed]
* mount/stable,now 2.25.2-6 armhf [installed]
* mountall/stable,now 2.54 armhf [installed]
* multiarch-support/stable,now 2.19-18+deb8u7 armhf [installed]
* nano/stable,now 2.2.6-3 armhf [installed]
* ncdu/stable,now 1.10-1 armhf [installed]
* ncurses-base/stable,now 5.9+20140913-1 all [installed]
* ncurses-bin/stable,now 5.9+20140913-1 armhf [installed]
* ncurses-term/stable,now 5.9+20140913-1 all [installed,automatic]
* net-tools/stable,now 1.60-26 armhf [installed]
* netbase/stable,now 5.3 all [installed]
* netcat-openbsd/stable,now 1.105-7 armhf [installed]
* netcat-traditional/stable,now 1.10-41 armhf [installed]
* ntp/stable,now 1:4.2.6.p5+dfsg-7+deb8u2 armhf [installed]
* openresolv/stable,now 3.5.2-1 all [installed,automatic]
* openssh-client/stable,now 1:6.7p1-5+deb8u3 armhf [installed,automatic]
* openssh-server/stable,now 1:6.7p1-5+deb8u3 armhf [installed,automatic]
* openssh-sftp-server/stable,now 1:6.7p1-5+deb8u3 armhf [installed,automatic]
* openssl/stable,now 1.0.1t-1+deb8u6 armhf [installed,automatic]
* oracle-java8-jdk/stable,now 8u65 armhf [installed]
* parted/stable,now 3.2-7 armhf [installed]
* passwd/now 1:4.2-3+deb8u1 armhf [installed,upgradable to: 1:4.2-3+deb8u3]
* perl-base/stable,now 5.20.2-3+deb8u6 armhf [installed]
* pi-bluetooth/now 0.1.2 armhf [installed,upgradable to: 0.1.3]
* pkg-config/stable,now 0.28-1 armhf [installed]
* plymouth/stable,now 0.9.2-3+rpi1 armhf [installed]
* procps/stable,now 2:3.3.9-9 armhf [installed]
* psmisc/stable,now 22.21-2 armhf [installed]
* python/stable,now 2.7.9-1 armhf [installed]
* python-apt/stable,now 0.9.3.12 armhf [installed,automatic]
* python-apt-common/stable,now 0.9.3.12 all [installed,automatic]
* python-minimal/stable,now 2.7.9-1 armhf [installed,automatic]
* python-rpi.gpio/stable,now 0.6.3~jessie-1 armhf [installed]
* python2.7/stable,now 2.7.9-2+deb8u1 armhf [installed,automatic]
* python2.7-minimal/stable,now 2.7.9-2+deb8u1 armhf [installed,automatic]
* raspberrypi-bootloader/now 1.20161215-1 armhf [installed,upgradable to: 1.20170215-1]
* raspberrypi-kernel/now 1.20161215-1 armhf [installed,upgradable to: 1.20170215-1]
* raspberrypi-net-mods/stable,now 1.2.5 all [installed]
* raspberrypi-sys-mods/now 20161220 all [installed,upgradable to: 20170127]
* raspbian-archive-keyring/stable,now 20120528.2 all [installed]
* raspi-config/now 20161207 all [installed,upgradable to: 20170228]
* readline-common/stable,now 6.3-8 all [installed]
* sed/stable,now 4.2.2-4+deb8u1 armhf [installed]
* sensible-utils/stable,now 0.0.9 all [installed]
* shared-mime-info/stable,now 1.3-1 armhf [installed,automatic]
* ssh/stable,now 1:6.7p1-5+deb8u3 all [installed]
* startpar/stable,now 0.59-3 armhf [installed]
* strace/stable,now 4.9-2 armhf [installed]
* sudo/stable,now 1.8.10p3-1+deb8u3 armhf [installed]
* systemd/stable,now 215-17+deb8u6 armhf [installed]
* systemd-sysv/stable,now 215-17+deb8u6 armhf [installed]
* sysv-rc/stable,now 2.88dsf-59 all [installed]
* sysvinit-utils/stable,now 2.88dsf-59 armhf [installed]
* tar/stable,now 1.27.1-2 armhf [installed]
* tasksel/stable,now 3.31+deb8u1 all [installed]
* tasksel-data/stable,now 3.31+deb8u1 all [installed]
* tcpd/stable,now 7.6.q-25 armhf [installed,automatic]
* triggerhappy/stable,now 0.3.4-2 armhf [installed,automatic]
* tzdata/stable,now 2016j-0+deb8u1 all [installed]
* udev/stable,now 215-17+deb8u6 armhf [installed]
* usb-modeswitch/stable,now 2.2.0+repack0-2 armhf [installed]
* usb-modeswitch-data/stable,now 20150115-1 all [installed,automatic]
* usbutils/stable,now 1:007-2 armhf [installed]
* util-linux/stable,now 2.25.2-6 armhf [installed]
* v4l-utils/stable,now 1.6.0-2 armhf [installed]
* whiptail/stable,now 0.52.17-1 armhf [installed]
* whois/stable,now 5.2.7 armhf [installed,automatic]
* wireless-regdb/stable,now 2016.06.10-1~deb8u1 all [installed,automatic]
* wireless-tools/stable,now 30~pre9-8 armhf [installed]
* wpasupplicant/stable,now 2.3-1+deb8u4 armhf [installed]
* x11-common/stable,now 1:7.7+16 all [installed,automatic]
* x11proto-core-dev/stable,now 7.0.31-1 all [installed,automatic]
* x11proto-damage-dev/stable,now 1:1.2.1-2 all [installed,automatic]
* x11proto-dri2-dev/stable,now 2.8-2 all [installed,automatic]
* x11proto-fixes-dev/stable,now 1:5.0-2 all [installed,automatic]
* x11proto-gl-dev/stable,now 1.4.17-1 all [installed,automatic]
* x11proto-input-dev/stable,now 2.3.1-1 all [installed,automatic]
* x11proto-kb-dev/stable,now 1.0.6-2 all [installed,automatic]
* x11proto-xext-dev/stable,now 7.3.0-1 all [installed,automatic]
* x11proto-xf86vidmode-dev/stable,now 2.3.1-2 all [installed,automatic]
* xauth/stable,now 1:1.0.9-1 armhf [installed,automatic]
* xdg-user-dirs/stable,now 0.15-2 armhf [installed,automatic]

xkb-data/stable,now 2.12-1 all [installed,automatic]

* xorg-sgml-doctools/stable,now 1:1.11-1 all [installed,automatic]
* xtrans-dev/stable,now 1.3.5-1 all [installed,automatic]
* zlib1g/stable,now 1:1.2.8.dfsg-2 armhf [installed]

# Additional Changes:

## Disable Rainbow Splash

Add 'disable\_splash=1' to /boot/config.txt

## Show splash screen on startup

Install 'fbi' //TODO update package list

Write to File „/etc/init.d/asplashscreen“:

#! /bin/sh

### BEGIN INIT INFO

# Provides: asplashscreen

# Required-Start:

# Required-Stop:

# Should-Start:

# Default-Start: S

# Default-Stop:

# Short-Description: Show custom splashscreen

# Description: Show custom splashscreen

### END INIT INFO

do\_start () {

/usr/bin/fbi -T 1 -noverbose -a /etc/splash.png

exit 0

}

case "$1" in

start|"")

do\_start

;;

restart|reload|force-reload)

echo "Error: argument '$1' not supported" >&2

exit 3

;;

stop)

# No-op

;;

status)

exit 0

;;

\*)

echo "Usage: asplashscreen [start|stop]" >&2

exit 3

;;

esac

:

Execute:

sudo chmod a+x /etc/init.d/asplashscreen

sudo insserv /etc/init.d/asplashscreen

Copy /TouchDisplay\_Resources/Additional/boot\_logo.png to /etc/splash.png

## Enable Autostart

Write to File „/etc/systemd/system/car.service“:

[Unit]

Description=Virtual Distributed Ethernet

[Service]

ExecStart=/usr/bin/java -jar /home/pi/SmartHome/TouchDisplay/target/TouchDisplay-1.0-SNAPSHOT-jar-with-dependencies.jar

[Install]

WantedBy=multi-user.target

## Disable Startup Messages

Append to „/boot/cmdline.txt“:

quiet splash loglevel=0 logo.nologo vt.global\_cursor\_default=0

## TODO: Write down sdl installation process