

Galaxy Note 2 (N7100) Build

This page explains how to build Replicant for the Galaxy Note 2 (N7100).

Prerequisites

Before building, you must make sure that:

- You have installed the build dependencies: [BuildDependenciesInstallation](#)
- You have downloaded Replicant 6.0 sources: [ReplicantSourceCode](#)
- Your sources are up to date: [Downloading/Updating the source from the repos](#)
- Your terminal is running in the directory where the sources were downloaded

Warning

Do not build as root, always build as user.

See the [build tips](#) if you are facing issues.

Building

All of the following build commands need to be run in the source tree root folder.

First, the toolchain needs to be built for replicant 6:

```
./vendor/replicant/build-toolchain
```

If you have executed any of the commands below and you want to run the toolchain build again, you will need to open a new shell.

Then, prepare the shell environment for the Replicant build:

```
. build/envsetup.sh  
lunch replicant_n7100-userdebug
```

Now you can start the build:

```
parallel_tasks=$(echo "$(grep 'processor' /proc/cpuinfo | wc -l ) + 1" | bc)  
make -j$parallel_tasks bacon
```

The `-jn` argument indicates the number of parallel tasks during the build. You can remove it from the command line to have only one task at a time.

`$parallel_tasks` holds an optimized number of parallel tasks for your hardware. You may want to reduce this number if e.g. the computer runs out of RAM during the build.

Finally, sign the resulting images for replicant 6:

```
./vendor/replicant/sign-build n7100
```

The first time you run the script, it will ask you a few questions that are needed to generate the necessary signing keys.

Output files

The produced files are located at:

- built target images: `out/dist/n7100/`
- built host tools: `out/host/linux-x86/bin/`