

# Factory Images for Nexus and Pixel Devices

This page contains binary image files that allow you to restore your Nexus or Pixel device's original factory firmware. You will find these files useful if you have flashed custom builds on your device, and wish to return your device to its factory state.

Note that it's typically easier and safer to sideload the [full OTA image](https://developers.google.com/android/ota) (<https://developers.google.com/android/ota>) instead.

If you do use a factory image, please make sure that you re-lock your bootloader when the process is complete.

These files are for use only on your personal Nexus or Pixel devices and may not be disassembled, decompiled, reverse engineered, modified or redistributed by you or used in any way except as specifically set forth in the license terms that came with your device.

## Terms and conditions

**Warning:** Installing a factory image will erase all data from the device, and unlocking the bootloader will make your device less secure. In most cases it should be possible to sideload the [full OTA image](https://developers.google.com/android/ota) (<https://developers.google.com/android/ota>) instead. This does not require a data wipe, and does not require the bootloader to be unlocked.

While it may be possible to restore certain data backed up to your Google Account, apps and their associated data will be uninstalled. Before proceeding, please ensure that data you would like to retain is [backed up to your Google Account](https://support.google.com/nexus/answer/2819582#backup) (<https://support.google.com/nexus/answer/2819582#backup>).

Downloading of the system image and use of the device software is subject to the [Google Terms of Service](https://www.google.com/intl/en/policies/terms/) (<https://www.google.com/intl/en/policies/terms/>). By continuing, you agree to the [Google Terms of Service](https://www.google.com/intl/en/policies/terms/) (<https://www.google.com/intl/en/policies/terms/>) and [Privacy Policy](https://www.google.com/intl/en/policies/privacy/) (<https://www.google.com/intl/en/policies/privacy/>). Your downloading of the system image and use of the device software may also be subject to certain third-party terms of service, which can be found in **Settings > About phone > Legal information**, or as otherwise provided.

## Flashing instructions

The factory image downloaded from this page includes a script that flashes the device, typically named `flash-all.sh` (On Windows systems, use `flash-all.bat` instead).

**Warning:** To flash a device using one of the system images below (or one of your own), you also need the latest **fastboot** tool. You can get it from the **Android SDK Platform-Tools** package, which you can [download here](https://developer.android.com/studio/releases/platform-tools.html) (<https://developer.android.com/studio/releases/platform-tools.html>).

Once you have the `fastboot` tool, add it to your `PATH` environment variable (the `flash-all` script below must be able to find it).

Also be certain that you've set up USB access for your device, as described in [Run Apps on a Hardware Device](https://developer.android.com/studio/run/device.html) (<https://developer.android.com/studio/run/device.html>).

**Caution:** Flashing a new system image deletes all user data. Be certain to first backup any personal data such as photos.

### To flash a system image:

1. Download the appropriate system image for your device below, then unzip it to a safe directory.
2. Connect your device to your computer over USB.
3. Start the device in fastboot mode with one of the following methods:

- Using the [adb tool](http://developer.android.com/tools/help/adb.html) (<http://developer.android.com/tools/help/adb.html>): With the device powered on, execute:

```
adb reboot bootloader
```



- Using a key combo: Turn the device off, then turn it on and immediately hold down the relevant [key combination](https://source.android.com/source/running#booting-into-fastboot-mode) (<https://source.android.com/source/running#booting-into-fastboot-mode>) for your device.

4. If necessary, unlock the device's bootloader using one of the following methods:

- If you are updating a Nexus or Pixel device that is manufactured in 2015 or later (for example, a Nexus 5X, Nexus 6P, Pixel, Pixel XL, Pixel 2 or Pixel 2 XL device), run this command:

```
fastboot flashing unlock
```





**Note:** the 'flashing unlock' command is only available with fastboot version 23.0.1 or later. The latest available version of fastboot can be downloaded from [SDK Platform Tools](https://developer.android.com/studio/releases/platform-tools) (<https://developer.android.com/studio/releases/platform-tools.html>).

- For Pixel 2: To flash the bootloader, Pixel 2's boot loader must be updated to at least Oreo MR1's version first. This may be done by applying an over-the-air (OTA) update, or sideloading a [full OTA](https://developers.google.com/android/ota) (<https://developers.google.com/android/ota>) with the instructions on that page.
- For Pixel 2 **XL only** with loader version prior to TMZ20a: the critical partitions may also need to be unlocked before flashing. The unlock can be performed with this command, and should NOT be done on other devices:

```
fastboot flashing unlock_critical
```



- If you are updating an older device, run this command:

```
fastboot oem unlock
```



The target device will show you a confirmation screen. (This erases all data on the target device.)

See [Unlocking the bootloader](https://source.android.com/source/running#unlocking-the-bootloader) (<https://source.android.com/source/running#unlocking-the-bootloader>) for more detailed instructions.

5. Open a terminal and navigate to the unzipped system image directory.
6. Execute the `flash-all` script. This script installs the necessary bootloader, baseband firmware(s), and operating system.

Once the script finishes, your device reboots. You should now lock the bootloader for security:

1. Start the device in fastboot mode again, as described above.
2. Execute:

```
fastboot flashing lock
```



or, for older devices, run:

```
fastboot oem lock
```



Locking bootloader will wipe the data on some devices. After locking the bootloader, if you want to flash the device again, you must run `fastboot oem unlock` again, which will wipe the data.

## "bonito" for Pixel 3a XL

Version	Download	SHA-256 Checksum
9.0.0 (PD2A.190115.029, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/bonito-pd2a.190115.029-factory-aac5b874.zip">Link</a> (https://dl.google.com/dl/android/aosp/bonito-pd2a.190115.029-factory-aac5b874.zip)	aac5b874226790cff9133ac62fef4724a05c00ab0
9.0.0 (PD2A.190115.032, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/bonito-pd2a.190115.032-factory-18c01bb1.zip">Link</a> (https://dl.google.com/dl/android/aosp/bonito-pd2a.190115.032-factory-18c01bb1.zip)	18c01bb19316442a8d5545155a163cbbf871b58
9.0.0 (PQ3B.190605.006, Jun 2019)	<a href="https://dl.google.com/dl/android/aosp/bonito-pq3b.190605.006-factory-8677ce70.zip">Link</a> (https://dl.google.com/dl/android/aosp/bonito-pq3b.190605.006-factory-8677ce70.zip)	8677ce70e0b22160474d9363ce5e885e6340e86
9.0.0 (PQ3B.190705.003, Jul 2019)	<a href="https://dl.google.com/dl/android/aosp/bonito-pq3b.190705.003-factory-db56e533.zip">Link</a> (https://dl.google.com/dl/android/aosp/bonito-pq3b.190705.003-factory-db56e533.zip)	db56e533a61f949b5eb753fb9561c84e68147b86

## "sargo" for Pixel 3a

Version	Download	SHA-256 Checksum
9.0.0 (PD2A.190115.029, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/sargo-pd2a.190115.029-factory-b05c97da.zip">Link</a> (https://dl.google.com/dl/android/aosp/sargo-pd2a.190115.029-factory-b05c97da.zip)	b05c97da93de98219c526c9cb59f4e9f5bcd0ab5
9.0.0 (PD2A.190115.032, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/sargo-pd2a.190115.032-factory-c0068fd4.zip">Link</a> (https://dl.google.com/dl/android/aosp/sargo-pd2a.190115.032-factory-c0068fd4.zip)	c0068fd4b78c939cb9a84921f2c1fc15c5316618e
9.0.0 (PQ3B.190605.006,	<a href="#">Link</a>	81f898b7b792f1d25a1245922e130f0933d9937b

Jun 2019)	( <a href="https://dl.google.com/dl/android/aosp/sargo-pq3b.190605.006-factory-81f898b7.zip">https://dl.google.com/dl/android/aosp/sargo-pq3b.190605.006-factory-81f898b7.zip</a> )	
9.0.0 (PQ3B.190705.003, Jul 2019)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sargo-pq3b.190705.003-factory-55d7c2c4.zip">https://dl.google.com/dl/android/aosp/sargo-pq3b.190705.003-factory-55d7c2c4.zip</a> )	55d7c2c4445b698051ab12af5966789a94b2deb8

## "crosshatch" for Pixel 3 XL

Version	Download	SHA-256 Checksum
9.0.0 (PD1A.180720.030, Sep 2018)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pd1a.180720.030-factory-38b1b90a.zip">https://dl.google.com/dl/android/aosp/crosshatch-pd1a.180720.030-factory-38b1b90a.zip</a> )	38b1b90a38dfd7f449cba4eb2cf786b76
9.0.0 (PD1A.180720.031, Sep 2018, Verizon)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pd1a.180720.031-factory-7e9da376.zip">https://dl.google.com/dl/android/aosp/crosshatch-pd1a.180720.031-factory-7e9da376.zip</a> )	7e9da376a846c934eb3b4ca39833996e
9.0.0 (PQ1A.181105.017.A1, Nov 2018)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pq1a.181105.017.a1-factory-6f06f1a0.zip">https://dl.google.com/dl/android/aosp/crosshatch-pq1a.181105.017.a1-factory-6f06f1a0.zip</a> )	6f06f1a05e1fd18624a3f0b8d91ca0c385
9.0.0 (PQ1A.181205.006, Dec 2018)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pq1a.181205.006-factory-96b23504.zip">https://dl.google.com/dl/android/aosp/crosshatch-pq1a.181205.006-factory-96b23504.zip</a> )	96b235048c53d3b37039c092889f1b8a7
9.0.0 (PQ1A.181205.006.A1, Dec 2018, Docomo)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pq1a.181205.006.a1-factory-99bead33.zip">https://dl.google.com/dl/android/aosp/crosshatch-pq1a.181205.006.a1-factory-99bead33.zip</a> )	99bead334525f4d26ef5777ebc9106486
9.0.0 (PQ1A.190105.004, Jan 2019)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pq1a.190105.004-factory-7165155c.zip">https://dl.google.com/dl/android/aosp/crosshatch-pq1a.190105.004-factory-7165155c.zip</a> )	7165155c738eac530a3d27bd03d166b3
9.0.0 (PQ2A.190205.001, Feb 2019)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pq2a.190205.001-factory-b72bfd04.zip">https://dl.google.com/dl/android/aosp/crosshatch-pq2a.190205.001-factory-b72bfd04.zip</a> )	b72bfd04a10ff6bd21de60f12024276885
9.0.0 (PQ2A.190305.002, Mar 2019)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/crosshatch-pq2a.190305.002-factory-dc7e9ca4.zip">https://dl.google.com/dl/android/aosp/crosshatch-pq2a.190305.002-factory-dc7e9ca4.zip</a> )	dc7e9ca44a19fa2ce5a5ed54fc7be5f2f8

9.0.0 (PQ2A.190405.003, Apr 2019)	<a href="https://dl.google.com/dl/android/aosp/crosshatch-pq2a.190405.003-factory-379f92bd.zip">Link</a> (https://dl.google.com/dl/android/aosp/crosshatch-pq2a.190405.003-factory-379f92bd.zip)	379f92bd93a5cece17f5123ef6668099f7
9.0.0 (PQ3A.190505.002, May 2019)	<a href="https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190505.002-factory-99879eba.zip">Link</a> (https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190505.002-factory-99879eba.zip)	99879eba8020ad35c69a90f3b3d4443e8
9.0.0 (PQ3A.190605.003, Jun 2019)	<a href="https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190605.003-factory-3a0d8bba.zip">Link</a> (https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190605.003-factory-3a0d8bba.zip)	3a0d8bba48f542533edaf2fb135c23ef51
9.0.0 (PQ3A.190605.004.A1, Jun 2019, Verizon)	<a href="https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190605.004.a1-factory-0933f208.zip">Link</a> (https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190605.004.a1-factory-0933f208.zip)	0933f2080c5bba78f2858c892ec899cda
9.0.0 (PQ3A.190705.003, Jul 2019)	<a href="https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190705.003-factory-e59cf7a4.zip">Link</a> (https://dl.google.com/dl/android/aosp/crosshatch-pq3a.190705.003-factory-e59cf7a4.zip)	e59cf7a412e48d0f78463a67dc0085d98

## "blueline" for Pixel 3

Version	Download	SHA-256 Checksum
9.0.0 (PD1A.180720.030, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/blueline-pd1a.180720.030-factory-d6fefe86.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline-pd1a.180720.030-factory-d6fefe86.zip)	d6fefe86e203d4c5b9f2559f82443fb883a34
9.0.0 (PD1A.180720.031, Sep 2018, Verizon)	<a href="https://dl.google.com/dl/android/aosp/blueline-pd1a.180720.031-factory-3df41a2b.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline-pd1a.180720.031-factory-3df41a2b.zip)	3df41a2b65335bb6c130f36b0bbd87c3f908
9.0.0 (PQ1A.181105.017.A1, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq1a.181105.017.a1-factory-b00ec7b5.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline-pq1a.181105.017.a1-factory-b00ec7b5.zip)	b00ec7b509c78ed06648e94ddb6fedcbac29
9.0.0 (PQ1A.181205.006, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq1a.181205.006-factory-af1829a6.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline-pq1a.181205.006-factory-af1829a6.zip)	af1829a69d8c041729725a2dbd7033f12e4e
9.0.0	<a href="#">Link</a>	e0442d3b0a9e5636f4979b5780b6173635fe



(PQ1A.181205.006.A1, (https://dl.google.com/dl/android/aosp/blueline- Dec 2018, Docomo)    pq1a.181205.006.a1-factory-e0442d3b.zip)		
9.0.0 (PQ1A.190105.004, Jan 2019)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq1a.190105.004-factory-49adfd52.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq1a.190105.004-factory-49adfd52.zip)	49adfd52b308b97c5bf576eea7e0ea8ba0f5
9.0.0 (PQ2A.190205.001, Feb 2019)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq2a.190205.001-factory-7bb97f58.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq2a.190205.001-factory-7bb97f58.zip)	7bb97f58ff9abbb6730da2ff6dea6ff938c936
9.0.0 (PQ2A.190305.002, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq2a.190305.002-factory-b8869812.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq2a.190305.002-factory-b8869812.zip)	b8869812509521216f02bac1d24bf146e0fc
9.0.0 (PQ2A.190405.003, Apr 2019)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq2a.190405.003-factory-c12f40f0.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq2a.190405.003-factory-c12f40f0.zip)	c12f40f0b189eb2daa80d029917bc9a8841c
9.0.0 (PQ3A.190505.002, May 2019)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq3a.190505.002-factory-26d20025.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq3a.190505.002-factory-26d20025.zip)	26d2002511d6a13fc523334b7f783dd757ec
9.0.0 (PQ3A.190605.003, Jun 2019)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq3a.190605.003-factory-258494df.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq3a.190605.003-factory-258494df.zip)	258494df9d2bfb354f7afce3257369fb0b424
9.0.0 (PQ3A.190605.004.A1, Jun 2019, Verizon)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq3a.190605.004.a1-factory-da940910.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq3a.190605.004.a1-factory-da940910.zip)	da940910bf3ac99af6ae53be3971698737ba
9.0.0 (PQ3A.190705.003, Jul 2019)	<a href="https://dl.google.com/dl/android/aosp/blueline-pq3a.190705.003-factory-c14bfb79.zip">Link</a> (https://dl.google.com/dl/android/aosp/blueline- pq3a.190705.003-factory-c14bfb79.zip)	c14bfb79b6660398f0454279b98ab45ace89

## "taimen" for Pixel 2 XL

Version	Download	SHA-256 Checksum
8.0.0 (OPD1.170816.010, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/taimen-opd1.170816.010-factory-c796ddb4.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen- opd1.170816.010-factory-c796ddb4.zip)	c796ddb4c774aa7c06b03f83adef30c3bb1d

8.0.0 (OPD1.170816.011, Sep 2017, Telstra)	<a href="https://dl.google.com/dl/android/aosp/taimen-opd1.170816.011-factory-1b02df7a.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opd1.170816.011-factory-1b02df7a.zip)	1b02df7a423f2638323309b4412372adcb66
8.0.0 (OPD1.170816.012, Sep 2017, Rogers, Fido)	<a href="https://dl.google.com/dl/android/aosp/taimen-opd1.170816.012-factory-20574403.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opd1.170816.012-factory-20574403.zip)	205744037fce9f7bc278507a7d019522ea47
8.0.0 (OPD3.170816.012, Sep 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/taimen-opd3.170816.012-factory-abe3dadf.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opd3.170816.012-factory-abe3dadf.zip)	abe3dadfaa649bbdff0f014e27ec4fbeb73a7
8.0.0 (OPD1.170816.025, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/taimen-opd1.170816.025-factory-907c4030.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opd1.170816.025-factory-907c4030.zip)	907c40302ff8e63cc6d633372f33f904424bc
8.0.0 (OPD3.170816.023, Nov 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/taimen-opd3.170816.023-factory-b8ea4687.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opd3.170816.023-factory-b8ea4687.zip)	b8ea46873a20f1399cd6c4c98283ea8f4cd0
8.1.0 (OPM1.171019.011, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm1.171019.011-factory-2df1c1cb.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opm1.171019.011-factory-2df1c1cb.zip)	2df1c1cbb1761bf63cc5919ee071c9988235
8.1.0 (OPM2.171019.012, Dec 2017, Telus Only)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171019.012-factory-0985fde2.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opm2.171019.012-factory-0985fde2.zip)	0985fde27be8cf17feebafd97b41d95ac14c5
8.1.0 (OPM1.171019.013, Jan 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm1.171019.013-factory-6d9954c3.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opm1.171019.013-factory-6d9954c3.zip)	6d9954c389ec8d252f531f9f079f4b8b9ef7c
8.1.0 (OPM1.171019.014, Jan 2018, O2/UK only)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm1.171019.014-factory-2e06f724.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opm1.171019.014-factory-2e06f724.zip)	2e06f724b28edf57299ea157ca08a96ea73e
8.1.0 (OPM1.171019.018, Feb 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm1.171019.018-factory-e96a86ae.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opm1.171019.018-factory-e96a86ae.zip)	e96a86aeaae2998ff6c3fcc5ed88cc08ed88a
8.1.0 (OPM1.171019.021, Mar 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm1.171019.021-factory-55f528f1.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-opm1.171019.021-factory-55f528f1.zip)	55f528f1b56d736ed38dca20843657f26de1
8.1.0 (OPM2.171019.029, 	<a href="#">Link</a>	2937a3995f35c1ed917388afe962e9c02b0c



Apr 2018)	( <a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171019.029-factory-2937a399.zip">https://dl.google.com/dl/android/aosp/taimen-opm2.171019.029-factory-2937a399.zip</a> )	
8.1.0 (OPM4.171019.015.A1, Apr 2018, Telus and Koodo Only)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.015.a1-factory-6793351f.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.015.a1-factory-6793351f.zip">https://dl.google.com/dl/android/aosp/taimen-opm4.171019.015.a1-factory-6793351f.zip</a> )	6793351f09d778c691beb878bdc286620e39
8.1.0 (OPM2.171019.029.B1, May 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171019.029.b1-factory-8faa494b.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171019.029.b1-factory-8faa494b.zip">https://dl.google.com/dl/android/aosp/taimen-opm2.171019.029.b1-factory-8faa494b.zip</a> )	8faa494b5b7aaf195160551d21cab230b37f
8.1.0 (OPM4.171019.016.B1, May 2018, Fi Carriers)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.016.b1-factory-f28b4a9b.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.016.b1-factory-f28b4a9b.zip">https://dl.google.com/dl/android/aosp/taimen-opm4.171019.016.b1-factory-f28b4a9b.zip</a> )	f28b4a9b2c25ae32c6d0506e41f89473ef43
8.1.0 (OPM2.171026.006.C1, Jun 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171026.006.c1-factory-21236059.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171026.006.c1-factory-21236059.zip">https://dl.google.com/dl/android/aosp/taimen-opm2.171026.006.c1-factory-21236059.zip</a> )	2123605944b0952de2c4d84bd8b3521119a
8.1.0 (OPM4.171019.021.E1, Jun 2018, T-Mobile)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.021.e1-factory-87ca9824.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.021.e1-factory-87ca9824.zip">https://dl.google.com/dl/android/aosp/taimen-opm4.171019.021.e1-factory-87ca9824.zip</a> )	87ca98249597ddae2ff2ed0570d9a13a7bf2
8.1.0 (OPM2.171026.006.H1, Jul 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171026.006.h1-factory-57328312.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-opm2.171026.006.h1-factory-57328312.zip">https://dl.google.com/dl/android/aosp/taimen-opm2.171026.006.h1-factory-57328312.zip</a> )	57328312ff7ce98f4091a80a988ef21a00a2c
8.1.0 (OPM4.171019.021.R1, Jul 2018, T-Mobile)	<a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.021.r1-factory-dcbe1346.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-opm4.171019.021.r1-factory-dcbe1346.zip">https://dl.google.com/dl/android/aosp/taimen-opm4.171019.021.r1-factory-dcbe1346.zip</a> )	dcbe1346be702a246b27da547d0be56f7018
9.0.0 (PPR1.180610.009, Aug 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-ppr1.180610.009-factory-3fb33477.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-ppr1.180610.009-factory-3fb33477.zip">https://dl.google.com/dl/android/aosp/taimen-ppr1.180610.009-factory-3fb33477.zip</a> )	3fb334772a8d8256d4aae0420f4015e01f44
9.0.0 (PPR1.180610.011, Aug 2018, Telstra)	<a href="https://dl.google.com/dl/android/aosp/taimen-ppr1.180610.011-factory-9f0cb004.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-ppr1.180610.011-factory-9f0cb004.zip">https://dl.google.com/dl/android/aosp/taimen-ppr1.180610.011-factory-9f0cb004.zip</a> )	9f0cb004c3b42789c150293aa6a6eecb0f28
9.0.0 (PPR2.180905.005, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-ppr2.180905.005-factory-c21252d4.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-ppr2.180905.005-factory-c21252d4.zip">https://dl.google.com/dl/android/aosp/taimen-ppr2.180905.005-factory-c21252d4.zip</a> )	c21252d46416ab94fa4dd22e8f3b13de7b12
9.0.0 (PPR2.181005.003, Oct 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-ppr2.181005.003-factory-f0a1d2c1.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/taimen-ppr2.181005.003-factory-f0a1d2c1.zip">https://dl.google.com/dl/android/aosp/taimen-ppr2.181005.003-factory-f0a1d2c1.zip</a> )	f0a1d2c1aa9fb4c2b15e5519d3c5606e4304

9.0.0 (PQ1A.181105.017.A1, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq1a.181105.017.a1-factory-e79a94ed.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq1a.181105.017.a1-factory-e79a94ed.zip)	e79a94ed6954dc9243a5f601ca37da1c54d1
9.0.0 (PQ1A.181205.002, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq1a.181205.002-factory-4d01cf61.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq1a.181205.002-factory-4d01cf61.zip)	4d01cf614a511bdfd84928eb976a04e5f2037
9.0.0 (PQ1A.190105.004, Jan 2019)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq1a.190105.004-factory-1fa0246a.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq1a.190105.004-factory-1fa0246a.zip)	1fa0246a1e4aa38bf4aee0a635721ea278c9
9.0.0 (PQ2A.190205.002, Feb 2019)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq2a.190205.002-factory-5bf777e4.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq2a.190205.002-factory-5bf777e4.zip)	5bf777e465c0f3573371b04347ab0ad085f5
9.0.0 (PQ2A.190305.002, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq2a.190305.002-factory-8f42be1a.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq2a.190305.002-factory-8f42be1a.zip)	8f42be1a67742c3ddb7a71539ad59e036d0e
9.0.0 (PQ2A.190405.003, Apr 2019)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq2a.190405.003-factory-3d72fe71.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq2a.190405.003-factory-3d72fe71.zip)	3d72fe7129d0be55f92df8cc15b8fc9bf77db
9.0.0 (PQ3A.190505.001, May 2019)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq3a.190505.001-factory-f91e5af8.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq3a.190505.001-factory-f91e5af8.zip)	f91e5af8dd8675c737b78b03c60143c14e78
9.0.0 (PQ3A.190605.003, Jun 2019)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq3a.190605.003-factory-59303ad9.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq3a.190605.003-factory-59303ad9.zip)	59303ad91d7876a231d72a62681c3dfd5890
9.0.0 (PQ3A.190705.001, Jul 2019)	<a href="https://dl.google.com/dl/android/aosp/taimen-pq3a.190705.001-factory-884e074c.zip">Link</a> (https://dl.google.com/dl/android/aosp/taimen-pq3a.190705.001-factory-884e074c.zip)	884e074c374080550450d6b9356e9732043

"walleye" for Pixel 2

Version	Download	SHA-256 Checksum
8.0.0	<a href="#">Link</a>	63083164c20ee40077d0a1f54b48dc6cb86

8.0.0 (OPD1.170816.010, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd1.170816.010-factory-63083164.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd1.170816.010-factory-63083164.zip)	
8.0.0 (OPD1.170816.011, Sep 2017, Telstra)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd1.170816.011-factory-cd9a3474.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd1.170816.011-factory-cd9a3474.zip)	cd9a3474ca8f281316fe5d580fc2f90a5183
8.0.0 (OPD1.170816.012, Sep 2017, Rogers, Fido)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd1.170816.012-factory-a771b8c2.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd1.170816.012-factory-a771b8c2.zip)	a771b8c2760d8f3eeeeaa94737186489ae3
8.0.0 (OPD3.170816.012, Sep 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd3.170816.012-factory-9626515d.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd3.170816.012-factory-9626515d.zip)	9626515dd78cb1ff1cdac07b72c17ade6ea9
8.0.0 (OPD1.170816.018, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd1.170816.018-factory-b153660d.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd1.170816.018-factory-b153660d.zip)	b153660d7451973f29b1b8e1eda74f97747
8.0.0 (OPD2.170816.015, Nov 2017, DTAG)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd2.170816.015-factory-5e7a47f0.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd2.170816.015-factory-5e7a47f0.zip)	5e7a47f0f4c1a9234aa4d022213cf2ed2f9f
8.0.0 (OPD3.170816.016, Nov 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd3.170816.016-factory-4bc6a6f9.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd3.170816.016-factory-4bc6a6f9.zip)	4bc6a6f9751467b65d8aab46e40bf37e810
8.0.0 (OPD1.170816.025, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd1.170816.025-factory-4752baae.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd1.170816.025-factory-4752baae.zip)	4752baaee571f7d645099ad8de38ce525eb
8.0.0 (OPD3.170816.023, Nov 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/walleye-opd3.170816.023-factory-f269631e.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opd3.170816.023-factory-f269631e.zip)	f269631e3ed65d3bfe21a6ea4d143b82805
8.1.0 (OPM1.171019.011, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm1.171019.011-factory-f74dd4fd.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm1.171019.011-factory-f74dd4fd.zip)	f74dd4fd9c7816a694901b01ba922c5033a
8.1.0 (OPM2.171019.012, Dec 2017, Telus Only)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm2.171019.012-factory-9b47e323.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm2.171019.012-factory-9b47e323.zip)	9b47e323f005402ed008b8dee5bc014dd6f
8.1.0 (OPM1.171019.013, Jan 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm1.171019.013-factory-56e2f2dc.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm1.171019.013-factory-56e2f2dc.zip)	56e2f2dcd03083cacf177b2dcadef13fa5a2

8.1.0 (OPM1.171019.014, Jan 2018, O2/UK only)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm1.171019.014-factory-123066fb.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm1.171019.014-factory-123066fb.zip)	123066fb33acd740fd8ccb09111b1d3d2f9c
8.1.0 (OPM2.171019.016, Jan 2018, Verizon)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm2.171019.016-factory-d162f4a5.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm2.171019.016-factory-d162f4a5.zip)	d162f4a51ef5f5fa4660e6319e5a1fbf3950c
8.1.0 (OPM1.171019.019, Feb 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm1.171019.019-factory-b9946689.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm1.171019.019-factory-b9946689.zip)	b994668911759ec000d671ce73728dc23e9
8.1.0 (OPM1.171019.021, Mar 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm1.171019.021-factory-ab7d4133.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm1.171019.021-factory-ab7d4133.zip)	ab7d4133548a10d6983e377e2c65d4287d3
8.1.0 (OPM2.171019.029, Apr 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm2.171019.029-factory-41296266.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm2.171019.029-factory-41296266.zip)	4129626633cbab200c6c18fc52b2dd83271
8.1.0 (OPM4.171019.015.A1, Apr 2018, Telus and Koodo Only)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm4.171019.015.a1-factory-a9124507.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm4.171019.015.a1-factory-a9124507.zip)	a91245077caf240831a835b26d0b44d703d
8.1.0 (OPM2.171019.029.B1, May 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm2.171019.029.b1-factory-f3086353.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm2.171019.029.b1-factory-f3086353.zip)	f30863534452ad2a899d874c0bc31c95ff15
8.1.0 (OPM4.171019.016.B1, May 2018, Fi Carriers)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm4.171019.016.b1-factory-6f46fa22.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm4.171019.016.b1-factory-6f46fa22.zip)	6f46fa2228cc1aff8a990851c13c46c0dd6e3
8.1.0 (OPM2.171026.006.C1, Jun 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm2.171026.006.c1-factory-1c0e0e5a.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm2.171026.006.c1-factory-1c0e0e5a.zip)	1c0e0e5aa24feab53fbb43d26d246c485f16
8.1.0 (OPM4.171019.021.E1, Jun 2018, T-Mobile)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm4.171019.021.e1-factory-5a35d247.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm4.171019.021.e1-factory-5a35d247.zip)	5a35d247ab5cdd5150b9d7417667123757c
8.1.0 (OPM2.171026.006.G1, Jul 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-opm2.171026.006.g1-factory-f7f5a622.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-opm2.171026.006.g1-factory-f7f5a622.zip)	f7f5a6228b5e5a7b3e9de82fcbb98b313c44
8.1.0 (OPM4.171019.021.Q1,	<a href="#">Link</a>	a4b251468a0a6236088f78cba6ddca7038fb

Jul 2018, T-Mobile)	(https://dl.google.com/dl/android/aosp/walleye-opm4.171019.021.q1-factory-a4b25146.zip)	
9.0.0 (PPR1.180610.009, Aug 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-ppr1.180610.009-factory-4149f7e5.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-ppr1.180610.009-factory-4149f7e5.zip)	4149f7e5a7ea4b852910d6d25f2d594d07f2
9.0.0 (PPR1.180610.011, Aug 2018, Telstra)	<a href="https://dl.google.com/dl/android/aosp/walleye-ppr1.180610.011-factory-0fbd3048.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-ppr1.180610.011-factory-0fbd3048.zip)	0fbd304845b6a1e8c5960deedb70aab0f804
9.0.0 (PPR2.180905.005, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-ppr2.180905.005-factory-4895938f.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-ppr2.180905.005-factory-4895938f.zip)	4895938f17a317c1373c37480c33b09f7d2c
9.0.0 (PPR2.181005.003, Oct 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-ppr2.181005.003-factory-8613da61.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-ppr2.181005.003-factory-8613da61.zip)	8613da61efa69e8aaac416b7c26e239843a
9.0.0 (PQ1A.181105.017.A1, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-pq1a.181105.017.a1-factory-408e5a32.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-pq1a.181105.017.a1-factory-408e5a32.zip)	408e5a32abf252fb4acdf72c0ba98a393978
9.0.0 (PQ1A.181205.002, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/walleye-pq1a.181205.002-factory-fb27eb5a.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-pq1a.181205.002-factory-fb27eb5a.zip)	fb27eb5ac91d339f5cc426fdd8202db7579d
9.0.0 (PQ1A.190105.004, Jan 2019)	<a href="https://dl.google.com/dl/android/aosp/walleye-pq1a.190105.004-factory-78374c71.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-pq1a.190105.004-factory-78374c71.zip)	78374c71a13d5edc72424b46e08f05dc9fa9
9.0.0 (PQ2A.190205.002, Feb 2019)	<a href="https://dl.google.com/dl/android/aosp/walleye-pq2a.190205.002-factory-781881b5.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-pq2a.190205.002-factory-781881b5.zip)	781881b5f420246a5da8c1ff72977d58867b
9.0.0 (PQ2A.190305.002, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/walleye-pq2a.190305.002-factory-73bd98de.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-pq2a.190305.002-factory-73bd98de.zip)	73bd98dee9844d0322e84a134ba541fa682
9.0.0 (PQ2A.190405.003, Apr 2019)	<a href="https://dl.google.com/dl/android/aosp/walleye-pq2a.190405.003-factory-e9a0ea4c.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-pq2a.190405.003-factory-e9a0ea4c.zip)	e9a0ea4ca785784e23004033e13b6ba3610
9.0.0 (PQ3A.190505.001, May 2019)	<a href="https://dl.google.com/dl/android/aosp/walleye-pq3a.190505.001-factory-d2730d9c.zip">Link</a> (https://dl.google.com/dl/android/aosp/walleye-pq3a.190505.001-factory-d2730d9c.zip)	d2730d9cd155ada199c7c9d90eebb4e43cc
9.0.0	<a href="#">Link</a>	952d65cf3904e2d88a1f80a935c5b5f01749



(PQ3A.190605.003, Jun 2019)	( <a href="https://dl.google.com/dl/android/aosp/walleye-pq3a.190605.003-factory-952d65cf.zip">https://dl.google.com/dl/android/aosp/walleye-pq3a.190605.003-factory-952d65cf.zip</a> )	
9.0.0 (PQ3A.190705.001, Jul 2019)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/walleye-pq3a.190705.001-factory-cc471c8c.zip">https://dl.google.com/dl/android/aosp/walleye-pq3a.190705.001-factory-cc471c8c.zip</a> )	cc471c8c7ffaa899e30438fa30b8d33b92b1

## "marlin" for Pixel XL

Version	Download	SHA-256 Checksum
7.1.0 (NDE63H, Oct 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-nde63h-factory-96adcecf.zip">https://dl.google.com/dl/android/aosp/marlin-nde63h-factory-96adcecf.zip</a> )	96adcecf136d0389569e28a3396eba92880d
7.1.0 (NDE63L, Oct 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-nde63l-factory-71a65e7e.zip">https://dl.google.com/dl/android/aosp/marlin-nde63l-factory-71a65e7e.zip</a> )	71a65e7ef49f88a8f376831378984c019e8f0
7.1.0 (NDE63P, Oct 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-nde63p-factory-dcdaaa51.zip">https://dl.google.com/dl/android/aosp/marlin-nde63p-factory-dcdaaa51.zip</a> )	dcdaaa51d4b4c0a67c4b670f76fe53b852b38
7.1.0 (Europe, NDE63U, Nov 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-nde63u-factory-24e8abeb.zip">https://dl.google.com/dl/android/aosp/marlin-nde63u-factory-24e8abeb.zip</a> )	24e8abeb4e1f09bff31577b46661110bf7d57
7.1.0 (NDE63V, Nov 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-nde63v-factory-a66866ba.zip">https://dl.google.com/dl/android/aosp/marlin-nde63v-factory-a66866ba.zip</a> )	a66866ba4b8f9f1baa856828d46a747d7690
7.1.0 (Verizon, NDE63X, Nov 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-nde63x-factory-8b520419.zip">https://dl.google.com/dl/android/aosp/marlin-nde63x-factory-8b520419.zip</a> )	8b520419e32141f68d9f12d7e302bfb77885e
7.1.1 (NMF26O, Dec 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-nmf26o-factory-4f68765c.zip">https://dl.google.com/dl/android/aosp/marlin-nmf26o-factory-4f68765c.zip</a> )	4f68765c108fc3d45ece7bca8e873561e29c5
7.1.1 (NMF26Q, Dec 2016, Europe/O2)	<a href="#">Link</a>	5d515cbc8d5b98bc36375355ef34af73e27af



	<a href="https://dl.google.com/dl/android/aosp/marlin-nmf26q-factory-5d515cbc.zip">https://dl.google.com/dl/android/aosp/marlin-nmf26q-factory-5d515cbc.zip</a>	
7.1.1 (NMF26U, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-nmf26u-factory-10ffd61d.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nmf26u-factory-10ffd61d.zip)</a>	10ffd61d7cf7c62a77ad04cc6dc2a4ba2fc9f7
7.1.1 (NMF26V, Jan 2017, Europe/O2)	<a href="https://dl.google.com/dl/android/aosp/marlin-nmf26v-factory-e6bda208.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nmf26v-factory-e6bda208.zip)</a>	e6bda2087d010f86589e799dae19d56d7bef
7.1.1 (NOF26V, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-nof26v-factory-1dce14a1.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nof26v-factory-1dce14a1.zip)</a>	1dce14a1cde69ac72e14894c980a82392088
7.1.1 (NOF26W, Feb 2017, Rogers Only)	<a href="https://dl.google.com/dl/android/aosp/marlin-nof26w-factory-d2cb0574.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nof26w-factory-d2cb0574.zip)</a>	d2cb05747fbd11e2590faf3c4675bd32e61e5
7.1.1 (NOF27B, Mar 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-nof27b-factory-2259c206.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nof27b-factory-2259c206.zip)</a>	2259c206286971ef7a48cee8bdad9f5fb9914
7.1.1 (NOF27C, Mar 2017, Rogers Only)	<a href="https://dl.google.com/dl/android/aosp/marlin-nof27c-factory-b49c0e7b.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nof27c-factory-b49c0e7b.zip)</a>	b49c0e7b058564efb6deb9278dac9263124b
7.1.1 (NOF27D, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-nof27d-factory-01a800f0.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nof27d-factory-01a800f0.zip)</a>	01a800f05ac28216632b4a38976517c7812b
7.1.2 (N2G47E, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-n2g47e-factory-ebc79a0b.zip">Link (https://dl.google.com/dl/android/aosp/marlin-n2g47e-factory-ebc79a0b.zip)</a>	ebc79a0b5015bd1d5d8d72c3a984cbf0de6e
7.1.2 (N2G47J, Apr 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/marlin-n2g47j-factory-503d88f5.zip">Link (https://dl.google.com/dl/android/aosp/marlin-n2g47j-factory-503d88f5.zip)</a>	503d88f556a481677ecaadb62e83fa3a2b73f
7.1.2 (NHG47K, Apr 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/marlin-nhg47k-factory-fc027c3b.zip">Link (https://dl.google.com/dl/android/aosp/marlin-nhg47k-factory-fc027c3b.zip)</a>	fc027c3b428914d1a52fae80d88f5d3fd4f7ce
7.1.2 (N2G47O, May 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-n2g47o-factory-7150cd63.zip">Link (https://dl.google.com/dl/android/aosp/marlin-n2g47o-factory-7150cd63.zip)</a>	7150cd63ebb56bdb518a9915116773f6541c

7.1.2 (N2G47T, May 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/marlin-n2g47t-factory-a25a7b1b.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-n2g47t-factory-a25a7b1b.zip)	a25a7b1b3d0cc3bbacde793348ea7c35d5e8
7.1.2 (NHG47L, May 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/marlin-nhg47l-factory-df005737.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nhg47l-factory-df005737.zip)	df0057379cacccbab2184c79258686de5fa1c7
7.1.2 (NHG47N, Jun 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/marlin-nhg47n-factory-61938704.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nhg47n-factory-61938704.zip)	61938704ed1a67daa281ef6516fa59316829e
7.1.2 (NJH34C, Jun 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/marlin-njh34c-factory-be914eaa.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-njh34c-factory-be914eaa.zip)	be914eaa15adb62dfec8bbd8856ce538f738f
7.1.2 (NJH47B, Jun 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-njh47b-factory-12f9e64e.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-njh47b-factory-12f9e64e.zip)	12f9e64e0aa9488a200023dc2544af3d878a5
7.1.2 (NKG47L, Jun 2017, T-Mobile, Fi carriers, and Rogers)	<a href="https://dl.google.com/dl/android/aosp/marlin-nkg47l-factory-9fbf9d8e.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nkg47l-factory-9fbf9d8e.zip)	9fbf9d8ef0e5977799e1d7637b65914f0f5fcf
7.1.2 (NHG47O, Jul 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/marlin-nhg47o-factory-a2b41619.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nhg47o-factory-a2b41619.zip)	a2b41619842a7fc8b7bb5fc13e052337b3fffc
7.1.2 (NJH47D, Jul 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-njh47d-factory-5ba1ef91.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-njh47d-factory-5ba1ef91.zip)	5ba1ef91e32a9fe527240050092ec4b8c781c
7.1.2 (NKG47M, Jul 2017, T-Mobile, Fi carriers)	<a href="https://dl.google.com/dl/android/aosp/marlin-nkg47m-factory-f0fa887a.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nkg47m-factory-f0fa887a.zip)	f0fa887a31e39b00db5d957ea2d575205fd76
7.1.2 (NZH54B, Jul 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/marlin-nzh54b-factory-857c0179.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nzh54b-factory-857c0179.zip)	857c01792c36278c8758b3e14a1ee0c5b412
7.1.2 (NHG47Q, Aug 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/marlin-nhg47q-factory-8b788af8.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nhg47q-factory-8b788af8.zip)	8b788af852d231a6ad99324aaed38f093ca07
7.1.2 (NJH47F, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-njh47f-factory-497f7f66.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-njh47f-factory-497f7f66.zip)	497f7f663a8f31418ff4de343d123e70946e03

7.1.2 (NKG47S, Aug 2017, T-Mobile, Fi carriers, and Rogers)	<a href="https://dl.google.com/dl/android/aosp/marlin-nkg47s-factory-a434e157.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nkg47s-factory-a434e157.zip)	a434e157f855427c929113e16aa5f54b73c13
7.1.2 (NZH54D, Aug 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/marlin-nzh54d-factory-d34033fa.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-nzh54d-factory-d34033fa.zip)	d34033faf5631fb66f8bc31d26928bb69a97c
8.0.0 (OPR6.170623.011, Aug 2017, Bell, Telus, Telstra, TMO, Sprint, USCC, Rogers/Fido)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr6.170623.011-factory-985fd412.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr6.170623.011-factory-985fd412.zip)	985fd412c40dd1ec6ee780185b30c5854627
8.0.0 (OPR6.170623.012, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr6.170623.012-factory-6304451d.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr6.170623.012-factory-6304451d.zip)	6304451dd6744b1a2faadd7921f28a217e8d
8.0.0 (OPR1.170623.026, Sep 2017, Fi/Canada)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr1.170623.026-factory-1ed9b4b2.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr1.170623.026-factory-1ed9b4b2.zip)	1ed9b4b2cf045e04b8506eaa4927d7825d65
8.0.0 (OPR3.170623.007, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr3.170623.007-factory-bf187b02.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr3.170623.007-factory-bf187b02.zip)	bf187b023f59fe92dfd7d2b9492ad9f319ee4e
8.0.0 (OPR1.170623.027, Oct 2017, Fi/Canada)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr1.170623.027-factory-c3d7fe5d.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr1.170623.027-factory-c3d7fe5d.zip)	c3d7fe5d445492d72ecedb11ce332af4f198c
8.0.0 (OPR3.170623.008, Oct 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr3.170623.008-factory-2079f009.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr3.170623.008-factory-2079f009.zip)	2079f0098bf999fae5d25956c96da17698649
8.0.0 (OPR1.170623.032, Nov 2017, Fi/Canada)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr1.170623.032-factory-990d8d51.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr1.170623.032-factory-990d8d51.zip)	990d8d518fe2a2bcab17e01410866b3bf6cb7
8.0.0 (OPR3.170623.013, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-opr3.170623.013-factory-af0b6564.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opr3.170623.013-factory-af0b6564.zip)	af0b65646b391da6f8386421fbc65fe4de859
8.1.0 (OPM1.171019.011, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.011-factory-fe9d06f3.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-opm1.171019.011-factory-fe9d06f3.zip)	fe9d06f36e908d7267614697bc83a3fa04fcb
8.1.0	<a href="#">Link</a>	b7b24003e805360c09c9798770d0c4280d97

(OPM1.171019.012, Jan 2018)	( <a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.012-factory-b7b24003.zip">https://dl.google.com/dl/android/aosp/marlin-opm1.171019.012-factory-b7b24003.zip</a> )	
8.1.0 (OPM1.171019.014, Jan 2018, O2/UK only)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.014-factory-3ab03172.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.014-factory-3ab03172.zip">https://dl.google.com/dl/android/aosp/marlin-opm1.171019.014-factory-3ab03172.zip</a> )	3ab03172cdc0e1bdd56af3f59a978b35c3b09
8.1.0 (OPM1.171019.016, Feb 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.016-factory-5d034d9a.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.016-factory-5d034d9a.zip">https://dl.google.com/dl/android/aosp/marlin-opm1.171019.016-factory-5d034d9a.zip</a> )	5d034d9ab6aeb0880c9d60b0cb743830629f
8.1.0 (OPM1.171019.021, Mar 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.021-factory-eb9f8156.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-opm1.171019.021-factory-eb9f8156.zip">https://dl.google.com/dl/android/aosp/marlin-opm1.171019.021-factory-eb9f8156.zip</a> )	eb9f8156dcc88fee3800cd9b9bbac62b2bf23
8.1.0 (OPM2.171019.029, Apr 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm2.171019.029-factory-96b864b3.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-opm2.171019.029-factory-96b864b3.zip">https://dl.google.com/dl/android/aosp/marlin-opm2.171019.029-factory-96b864b3.zip</a> )	96b864b33a719d382d8d50c2113bb9333cf6
8.1.0 (OPM4.171019.016.B1, May 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm4.171019.016.b1-factory-77cb10f1.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-opm4.171019.016.b1-factory-77cb10f1.zip">https://dl.google.com/dl/android/aosp/marlin-opm4.171019.016.b1-factory-77cb10f1.zip</a> )	77cb10f105425713b23d3f9b488a9da54b86
8.1.0 (OPM4.171019.021.D1, Jun 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm4.171019.021.d1-factory-19d49a07.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-opm4.171019.021.d1-factory-19d49a07.zip">https://dl.google.com/dl/android/aosp/marlin-opm4.171019.021.d1-factory-19d49a07.zip</a> )	19d49a07453c6f7cdcf539bc67291cf389b90
8.1.0 (OPM4.171019.021.P1, Jul 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-opm4.171019.021.p1-factory-d5fc023e.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-opm4.171019.021.p1-factory-d5fc023e.zip">https://dl.google.com/dl/android/aosp/marlin-opm4.171019.021.p1-factory-d5fc023e.zip</a> )	d5fc023e90f37c8d353f331411a22131aa41c
9.0.0 (PPR1.180610.009, Aug 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.180610.009-factory-90a4fa8b.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.180610.009-factory-90a4fa8b.zip">https://dl.google.com/dl/android/aosp/marlin-ppr1.180610.009-factory-90a4fa8b.zip</a> )	90a4fa8b99796aad1a2347dd4399aa89db9b
9.0.0 (PPR1.180610.010, Aug 2018, Telus)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.180610.010-factory-3b90270c.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.180610.010-factory-3b90270c.zip">https://dl.google.com/dl/android/aosp/marlin-ppr1.180610.010-factory-3b90270c.zip</a> )	3b90270cd90527298e2679ba5dafe8950894
9.0.0 (PPR1.180905.003, Sep 2018, Telus)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.180905.003-factory-051c4ec5.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.180905.003-factory-051c4ec5.zip">https://dl.google.com/dl/android/aosp/marlin-ppr1.180905.003-factory-051c4ec5.zip</a> )	051c4ec5c33c6a948a48c9c83b36c73c976b
9.0.0 (PPR2.180905.006, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr2.180905.006-factory-df8ec974.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/marlin-ppr2.180905.006-factory-df8ec974.zip">https://dl.google.com/dl/android/aosp/marlin-ppr2.180905.006-factory-df8ec974.zip</a> )	df8ec9745c436000568af9b4205f5ba3c1fe6
9.0.0	<a href="#">Link</a>	a78fe26434e04f8d5015bab79f717fc7b03b1

(PPR2.180905.006.A1, (https://dl.google.com/dl/android/aosp/marlin-Sep 2018, Verizon)	ppr2.180905.006.a1-factory-a78fe264.zip)	
9.0.0 (PPR1.181005.003, Oct 2018, Telus Only)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.181005.003-factory-87fbdecc.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-ppr1.181005.003-factory-87fbdecc.zip)	87fbdecc08c8e9cabd17449118d9cc3df4db3
9.0.0 (PPR2.181005.003, Oct 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr2.181005.003-factory-59b2d3dd.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-ppr2.181005.003-factory-59b2d3dd.zip)	59b2d3ddc0ee8b42f88cceb01f2a52cbca502
9.0.0 (PPR1.181005.003.A1, Nov 2018, Telus Only)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr1.181005.003.a1-factory-960a173f.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-ppr1.181005.003.a1-factory-960a173f.zip)	960a173f0f84e2c3c0c5d96643e6ca3f99d5a
9.0.0 (PPR2.181005.003.A1, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-ppr2.181005.003.a1-factory-918e249f.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-ppr2.181005.003.a1-factory-918e249f.zip)	918e249f00d79941799d0e8f09f539ad8e52c
9.0.0 (PQ1A.181205.002.A1, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/marlin-pq1a.181205.002.a1-factory-9a129f3e.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-pq1a.181205.002.a1-factory-9a129f3e.zip)	9a129f3e1bed577fd87078042384648ce88d5
9.0.0 (PQ1A.190105.004, Jan 2019)	<a href="https://dl.google.com/dl/android/aosp/marlin-pq1a.190105.004-factory-2a6c1b27.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-pq1a.190105.004-factory-2a6c1b27.zip)	2a6c1b278b0a07561a1080f4c0017fb962863
9.0.0 (PQ2A.190205.003, Feb 2019)	<a href="https://dl.google.com/dl/android/aosp/marlin-pq2a.190205.003-factory-8a9a1ff8.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-pq2a.190205.003-factory-8a9a1ff8.zip)	8a9a1ff816b8d117c60c44db8e4b9dd84bc07
9.0.0 (PQ2A.190305.002, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/marlin-pq2a.190305.002-factory-adea2e11.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-pq2a.190305.002-factory-adea2e11.zip)	adea2e1109a841867f336f91087274e90cdec
9.0.0 (PQ2A.190405.003, Apr 2019)	<a href="https://dl.google.com/dl/android/aosp/marlin-pq2a.190405.003-factory-d30b60f0.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-pq2a.190405.003-factory-d30b60f0.zip)	d30b60f0716850430dad505b928b917d61c5
9.0.0 (PQ3A.190505.001, May 2019)	<a href="https://dl.google.com/dl/android/aosp/marlin-pq3a.190505.001-factory-5dac573c.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-pq3a.190505.001-factory-5dac573c.zip)	5dac573cedb98a1c8b8e9cf0bf87710e9f0d3
9.0.0 (PQ3A.190605.003, Jun 2019)	<a href="https://dl.google.com/dl/android/aosp/marlin-pq3a.190605.003-factory-14ebecf7.zip">Link</a> (https://dl.google.com/dl/android/aosp/marlin-pq3a.190605.003-factory-14ebecf7.zip)	14ebecf79fdfdbbe2eba81470180942cd643be



9.0.0	<a href="#">Link</a>	522f27c4d50055f6402ca9d4d62fb07425e3a
(PQ3A.190705.001, Jul 2019)	( <a href="https://dl.google.com/dl/android/aosp/marlin-pq3a.190705.001-factory-522f27c4.zip">https://dl.google.com/dl/android/aosp/marlin-pq3a.190705.001-factory-522f27c4.zip</a> )	

## "sailfish" for Pixel

Version	Download	SHA-256 Checksum
7.1.0 (NDE63H, Oct 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nde63h-factory-43ba5f81.zip">https://dl.google.com/dl/android/aosp/sailfish-nde63h-factory-43ba5f81.zip</a> )	43ba5f8130a58770edce6cb0c6c43920798e
7.1.0 (NDE63L, Oct 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nde63l-factory-49876a7c.zip">https://dl.google.com/dl/android/aosp/sailfish-nde63l-factory-49876a7c.zip</a> )	49876a7c9e8f14da672dad27a0e404cccbb1
7.1.0 (NDE63P, Oct 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nde63p-factory-aaaa2f1a.zip">https://dl.google.com/dl/android/aosp/sailfish-nde63p-factory-aaaa2f1a.zip</a> )	aaaa2f1a592ba43de10396938220c4ed65ff
7.1.0 (Europe, NDE63U, Nov 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nde63u-factory-3fa36709.zip">https://dl.google.com/dl/android/aosp/sailfish-nde63u-factory-3fa36709.zip</a> )	3fa367096c251cd5ab1a6c465cb60fc075b0
7.1.0 (NDE63V, Nov 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nde63v-factory-1b3155ff.zip">https://dl.google.com/dl/android/aosp/sailfish-nde63v-factory-1b3155ff.zip</a> )	1b3155ff623e8a872a788c54e650a0077175
7.1.0 (Verizon, NDE63X, Nov 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nde63x-factory-dc45f6c8.zip">https://dl.google.com/dl/android/aosp/sailfish-nde63x-factory-dc45f6c8.zip</a> )	dc45f6c83547266bf9e49edeae0978c3d734
7.1.1 (NMF26O, Dec 2016)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nmf26o-factory-58719f26.zip">https://dl.google.com/dl/android/aosp/sailfish-nmf26o-factory-58719f26.zip</a> )	58719f26685322bc1c7bc0a313746ceaec67
7.1.1 (NMF26Q, Dec 2016, Europe/O2)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/sailfish-nmf26q-factory-a84e0e4b.zip">https://dl.google.com/dl/android/aosp/sailfish-nmf26q-factory-a84e0e4b.zip</a> )	a84e0e4b2f80bf8b88857cbde28e0617380a
7.1.1 (NMF26U, Jan 2017)	<a href="#">Link</a>	b161fe98c4308b7e611ca3e432a8ba7141c2



	<a href="https://dl.google.com/dl/android/aosp/sailfish-nmf26u-factory-b161fe98.zip">https://dl.google.com/dl/android/aosp/sailfish-nmf26u-factory-b161fe98.zip</a>	
7.1.1 (NMF26V, Jan 2017, Europe/O2)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nmf26v-factory-8ba1f89e.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-nmf26v-factory-8ba1f89e.zip)</a>	8ba1f89e1db6cf9a770abc065a63db96ac9a
7.1.1 (NOF26V, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nof26v-factory-65092b38.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-nof26v-factory-65092b38.zip)</a>	65092b3813a769483af3b810635452c8e01
7.1.1 (NOF26W, Feb 2017, Rogers Only)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nof26w-factory-277fc900.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-nof26w-factory-277fc900.zip)</a>	277fc9006dca8b34bfc616b4bf83626d8427
7.1.1 (NOF27B, Mar 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nof27b-factory-5a8a6e11.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-nof27b-factory-5a8a6e11.zip)</a>	5a8a6e118af74588e9be13a5a6bd0d620b95
7.1.1 (NOF27C, Mar 2017, Rogers Only)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nof27c-factory-2451ef01.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-nof27c-factory-2451ef01.zip)</a>	2451ef017181043e83820f7340c8ef479bca
7.1.1 (NOF27D, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nof27d-factory-be4efef1.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-nof27d-factory-be4efef1.zip)</a>	be4efef17af09d268ab5d27a6d2ab51412e5
7.1.2 (N2G47E, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-n2g47e-factory-00a46e7e.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-n2g47e-factory-00a46e7e.zip)</a>	00a46e7ec5e000a18d17b07a348933b00ee
7.1.2 (N2G47J, Apr 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/sailfish-n2g47j-factory-0a166464.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-n2g47j-factory-0a166464.zip)</a>	0a1664643d721ebb6235b291ad6d2ce77c0
7.1.2 (NHG47K, Apr 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nhg47k-factory-59f23c7a.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-nhg47k-factory-59f23c7a.zip)</a>	59f23c7a6e672337c4a5e4b98f240de63db7
7.1.2 (N2G47O, May 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-n2g47o-factory-f2bc8024.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-n2g47o-factory-f2bc8024.zip)</a>	f2bc8024b015fdf1e79d0ae3da187cb0c371
7.1.2 (N2G47T, May 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/sailfish-n2g47t-factory-fecae045.zip">Link (https://dl.google.com/dl/android/aosp/sailfish-n2g47t-factory-fecae045.zip)</a>	fecae045bc1444880a2325207a2578077058

7.1.2 (NHG47L, May 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nhg47l-factory-509076ee.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nhg47l-factory-509076ee.zip)	509076eee8f730c1d3fa950158fbb55478db
7.1.2 (NHG47N, Jun 2017, NHG47N)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nhg47n-factory-5cea9f91.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nhg47n-factory-5cea9f91.zip)	5cea9f9192c66266aee9c3b3d4004798323f
7.1.2 (NJH34C, Jun 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/sailfish-njh34c-factory-3158e0a2.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-njh34c-factory-3158e0a2.zip)	3158e0a296be4677ae02c6d8b6b4ec72297
7.1.2 (NJH47B, Jun 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-njh47b-factory-1b1673a3.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-njh47b-factory-1b1673a3.zip)	1b1673a3baa0e1d44c0da04323c40f71b750
7.1.2 (NKG47L, Jun 2017, T-Mobile, Fi carriers, and Rogers)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nkg47l-factory-2a584648.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nkg47l-factory-2a584648.zip)	2a584648a6f9ecc17309e290e69121b1547f
7.1.2 (NHG47O, Jul 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nhg47o-factory-17c5ea14.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nhg47o-factory-17c5ea14.zip)	17c5ea14e8b9b984d37ea03ee9af11263574
7.1.2 (NJH47D, Jul 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-njh47d-factory-953f6c69.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-njh47d-factory-953f6c69.zip)	953f6c699769cd123398185570047182334
7.1.2 (NKG47M, Jul 2017, T-Mobile, Fi carriers)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nkg47m-factory-713b6613.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nkg47m-factory-713b6613.zip)	713b66132e92bb8c5ced2282628998de9d5
7.1.2 (NZH54B, Jul 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nzh54b-factory-087eff7b.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nzh54b-factory-087eff7b.zip)	087eff7b428a4624ed4fc0bb51896b324892
7.1.2 (NHG47Q, Aug 2017, Verizon)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nhg47q-factory-135beab7.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nhg47q-factory-135beab7.zip)	135beab7f55a7f9fcf5ae3384d0e79bfb3b39
7.1.2 (NJH47F, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-njh47f-factory-6fd9b2c4.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-njh47f-factory-6fd9b2c4.zip)	6fd9b2c42ebbde474fff37765b90c8b688128
7.1.2 (NKG47S, Aug 2017, T-Mobile, Fi carriers, and Rogers)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nkg47s-factory-f4b60f10.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nkg47s-factory-f4b60f10.zip)	f4b60f104d33fed036efb00d33125bbf672b0

7.1.2 (NZH54D, Aug 2017, Deutsche Telekom)	<a href="https://dl.google.com/dl/android/aosp/sailfish-nzh54d-factory-127f0583.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-nzh54d-factory-127f0583.zip)	127f058367fa854002e6fd4221cfbcd74839
8.0.0 (OPR6.170623.011, Aug 2017, Bell, Telus, Telstra, TMO, Sprint, USCC, Rogers/Fido)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr6.170623.011-factory-0d712594.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr6.170623.011-factory-0d712594.zip)	0d71259400371b8da44e6300324dbd6cbe2
8.0.0 (OPR6.170623.012, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr6.170623.012-factory-8ada9373.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr6.170623.012-factory-8ada9373.zip)	8ada9373e6f86cac20023bd6c7889edb0449
8.0.0 (OPR1.170623.026, Sep 2017, Fi/Canada)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr1.170623.026-factory-26d3f82f.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr1.170623.026-factory-26d3f82f.zip)	26d3f82f8f5bed5be4c3ca4ea8642ce58253
8.0.0 (OPR3.170623.007, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr3.170623.007-factory-6a2629ba.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr3.170623.007-factory-6a2629ba.zip)	6a2629bab74c58b769403f1f25fd81ea64bd
8.0.0 (OPR1.170623.027, Oct 2017, Fi/Canada)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr1.170623.027-factory-87caffce.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr1.170623.027-factory-87caffce.zip)	87caffce63fcf8af3e20f95831fda86fd311a5
8.0.0 (OPR3.170623.008, Oct 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr3.170623.008-factory-bb8bb3a3.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr3.170623.008-factory-bb8bb3a3.zip)	bb8bb3a3f81dbb5ea19cc16d9244c089146b
8.0.0 (OPR1.170623.032, Nov 2017, Fi/Canada)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr1.170623.032-factory-e011ef43.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr1.170623.032-factory-e011ef43.zip)	e011ef434ae32e24f14c19d83a859ed76a15
8.0.0 (OPR3.170623.013, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opr3.170623.013-factory-bdc49b40.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opr3.170623.013-factory-bdc49b40.zip)	bdc49b40d4a45b376e86c435487160d54a4
8.1.0 (OPM1.171019.011, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.011-factory-56d15350.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.011-factory-56d15350.zip)	56d15350a2c54960b149fc8a080547f17e1c
8.1.0 (OPM1.171019.012, Jan 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.012-factory-49ed1aec.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.012-factory-49ed1aec.zip)	49ed1aec7de3bd002340a9db6d19903f0a3

8.1.0 (OPM1.171019.014, Jan 2018, O2/UK only)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.014-factory-32322b4c.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.014-factory-32322b4c.zip)	32322b4cf384d2f77963385afd713e87d1cd
8.1.0 (OPM1.171019.016, Feb 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.016-factory-8a6591cc.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.016-factory-8a6591cc.zip)	8a6591cc28c420e779e881f46b725446bea2
8.1.0 (OPM1.171019.021, Mar 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.021-factory-68d3b69a.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm1.171019.021-factory-68d3b69a.zip)	68d3b69a17a4f4bc0aea85ffc7db69b4103f7
8.1.0 (OPM2.171019.029, Apr 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm2.171019.029-factory-bee9592c.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm2.171019.029-factory-bee9592c.zip)	bee9592ca8e5863f54e42dcba3102f44caaa
8.1.0 (OPM4.171019.016.B1, May 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm4.171019.016.b1-factory-68c3a77d.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm4.171019.016.b1-factory-68c3a77d.zip)	68c3a77dd68f2694e312507e90f8af6b7b32
8.1.0 (OPM4.171019.021.D1, Jun 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm4.171019.021.d1-factory-e2315135.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm4.171019.021.d1-factory-e2315135.zip)	e23151353bfeb8fc400ad5bf99c34136e2a6
8.1.0 (OPM4.171019.021.P1, Jul 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-opm4.171019.021.p1-factory-0bcf4315.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-opm4.171019.021.p1-factory-0bcf4315.zip)	0bcf4315bcbd2dfe8878b00c778833ec61dd
9.0.0 (PPR1.180610.009, Aug 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr1.180610.009-factory-a945cab8.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr1.180610.009-factory-a945cab8.zip)	a945cab87553f7010764c2ea14745d3ef5aa
9.0.0 (PPR1.180610.010, Aug 2018, Telus)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr1.180610.010-factory-94ca0106.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr1.180610.010-factory-94ca0106.zip)	94ca010620ff958fdcf7d5da2bcdba1c00636
9.0.0 (PPR1.180905.003, Sep 2018, Telus)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr1.180905.003-factory-5b219c2e.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr1.180905.003-factory-5b219c2e.zip)	5b219c2e767532a3f03a57698e4b82a0b84
9.0.0 (PPR2.180905.006, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr2.180905.006-factory-bad3cb18.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr2.180905.006-factory-bad3cb18.zip)	bad3cb1809c9bdf451149ce9d0db79d76a84
9.0.0 (PPR2.180905.006.A1, Sep 2018, Verizon)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr2.180905.006.a1-factory-b063909b.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr2.180905.006.a1-factory-b063909b.zip)	b063909b211beea28e6879a12db1dade1eb

9.0.0 (PPR1.181005.003, Oct 2018, Telus Only)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr1.181005.003-factory-15fafd9d.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr1.181005.003-factory-15fafd9d.zip)	15fafd9ddcb3c614d57453061d6ce2188b83
9.0.0 (PPR2.181005.003, Oct 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr2.181005.003-factory-727c51f5.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr2.181005.003-factory-727c51f5.zip)	727c51f523fda0fbff4f7950b691c43e7ebe79
9.0.0 (PPR1.181005.003.A1, Nov 2018, Telus Only)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr1.181005.003.a1-factory-6a2c3b69.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr1.181005.003.a1-factory-6a2c3b69.zip)	6a2c3b69a43f93e576f953d7c8368648bd2c
9.0.0 (PPR2.181005.003.A1, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-ppr2.181005.003.a1-factory-dec6298c.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-ppr2.181005.003.a1-factory-dec6298c.zip)	dec6298c7893c8a24599a764ce4ea41d4f57
9.0.0 (PQ1A.181205.002.A1, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq1a.181205.002.a1-factory-6a61ff63.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq1a.181205.002.a1-factory-6a61ff63.zip)	6a61ff636875d6dd382ffb9ce3103ebc85b55
9.0.0 (PQ1A.190105.004, Jan 2019)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq1a.190105.004-factory-fc5db1d4.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq1a.190105.004-factory-fc5db1d4.zip)	fc5db1d45784659f8746e6895a13dddc4550
9.0.0 (PQ2A.190205.003, Feb 2019)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq2a.190205.003-factory-164a7269.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq2a.190205.003-factory-164a7269.zip)	164a72699b7efea606ebedf573fa7b4bae1d
9.0.0 (PQ2A.190305.002, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq2a.190305.002-factory-73582e64.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq2a.190305.002-factory-73582e64.zip)	73582e64a61bd909c460b3a6687d6c9d2d8
9.0.0 (PQ2A.190405.003, Apr 2019)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq2a.190405.003-factory-3b16bbc7.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq2a.190405.003-factory-3b16bbc7.zip)	3b16bbc758cc201b276157a9852e49c19d0
9.0.0 (PQ3A.190505.001, May 2019)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq3a.190505.001-factory-f3d2032d.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq3a.190505.001-factory-f3d2032d.zip)	f3d2032d0862961a1712445226f942f7f430
9.0.0 (PQ3A.190605.003, Jun 2019)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq3a.190605.003-factory-3128c984.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq3a.190605.003-factory-3128c984.zip)	3128c984ab63e16219113c4df7b03bdec6af
9.0.0 (PQ3A.190705.001, Jul 2019)	<a href="https://dl.google.com/dl/android/aosp/sailfish-pq3a.190705.001-factory-7f9ff7f7.zip">Link</a> (https://dl.google.com/dl/android/aosp/sailfish-pq3a.190705.001-factory-7f9ff7f7.zip)	7f9ff7f7fd447ecb9a3724878c71afc8ea649c



## "ryu" for Pixel C

Version	Download	SHA-256 Checksum
6.0.1 (MXB48J)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxb48j-factory-ce6d5a7b.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxb48j-factory-ce6d5a7b.zip)	ce6d5a7bdfd61f2fe93b0e77d9b67f19a4e78825
6.0.1 (MXB48K)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxb48k-factory-e13a6b01.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxb48k-factory-e13a6b01.zip)	e13a6b012eb407fbdddfef2a5b482a1c12b28db
6.0.1 (MXB48T)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxb48t-factory-5bf811b5.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxb48t-factory-5bf811b5.zip)	5bf811b544432444d47949d18620644bfc857b
6.0.1 (MXC14G)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxc14g-factory-49149866.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxc14g-factory-49149866.zip)	491498662e87df1398bed2ac11f253c97acd16f
6.0.1 (M5C14J)	<a href="https://dl.google.com/dl/android/aosp/ryu-m5c14j-factory-ee1c5509.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-m5c14j-factory-ee1c5509.zip)	ee1c55092fa4f2ba3eef69576b556f23af6b752d
6.0.1 (MXC89F)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxc89f-factory-de76375c.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxc89f-factory-de76375c.zip)	de76375c3dc79338e97f67fa3092e502d9fc960
6.0.1 (MXC89H)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxc89h-factory-11161f52.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxc89h-factory-11161f52.zip)	11161f523b4305d5ca81e7a7fe3da7bc7ec7185
6.0.1 (MXC89K)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxc89k-factory-9a5ae97e.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxc89k-factory-9a5ae97e.zip)	9a5ae97e093abda91131dd9337b40d49f866da5
6.0.1 (MXC89L)	<a href="https://dl.google.com/dl/android/aosp/ryu-mxc89l-factory-1f9a5fcb.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-mxc89l-factory-1f9a5fcb.zip)	1f9a5fcbf9d91e79720bcaebd2873116090065b
7.0.0 (NRD90M)	<a href="#">Link</a>	29233f1ac43e9309d6c8ee6273682a7ca172f12



	<a href="https://dl.google.com/dl/android/aosp/ryu-nrd90m-factory-29233f1a.zip">https://dl.google.com/dl/android/aosp/ryu-nrd90m-factory-29233f1a.zip</a>	
7.0.0 (NRD90R)	<a href="https://dl.google.com/dl/android/aosp/ryu-nrd90r-factory-843758b3.zip">Link (https://dl.google.com/dl/android/aosp/ryu-nrd90r-factory-843758b3.zip)</a>	843758b3c5bc6ef0e73102b13c1a7e33a0b2645
7.0.0 (NRD91D, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/ryu-nrd91d-factory-13a00ca0.zip">Link (https://dl.google.com/dl/android/aosp/ryu-nrd91d-factory-13a00ca0.zip)</a>	13a00ca040924b6101e9a6b4f9ba7327ad72364
7.0.0 (NRD91N, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/ryu-nrd91n-factory-5abda8a4.zip">Link (https://dl.google.com/dl/android/aosp/ryu-nrd91n-factory-5abda8a4.zip)</a>	5abda8a4f6fb35f1aa3d2fc5b347e6bf0b84f274f
7.1.1 (NMF26H, Dec 2016)	<a href="https://dl.google.com/dl/android/aosp/ryu-nmf26h-factory-52ad10d8.zip">Link (https://dl.google.com/dl/android/aosp/ryu-nmf26h-factory-52ad10d8.zip)</a>	52ad10d82325d9c36be9b79839d7397a4bedd9
7.1.1 (N4F26I, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n4f26i-factory-2aa98ca1.zip">Link (https://dl.google.com/dl/android/aosp/ryu-n4f26i-factory-2aa98ca1.zip)</a>	2aa98ca14987da8229eca8210bc1c15b4fbba75
7.1.1 (N4F26O, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n4f26o-factory-307fc15e.zip">Link (https://dl.google.com/dl/android/aosp/ryu-n4f26o-factory-307fc15e.zip)</a>	307fc15eac81233b93ced1bd87570c891ad0ca4
7.1.1 (N4F26T, Mar 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n4f26t-factory-d05202a0.zip">Link (https://dl.google.com/dl/android/aosp/ryu-n4f26t-factory-d05202a0.zip)</a>	d05202a077105a822e3755049878bb11337481
7.1.2 (N2G47D, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n2g47d-factory-191d8ea6.zip">Link (https://dl.google.com/dl/android/aosp/ryu-n2g47d-factory-191d8ea6.zip)</a>	191d8ea6b78033f8d9af290401a282345f2ac4c
7.1.2 (N2G47O, May 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n2g47o-factory-7918a74f.zip">Link (https://dl.google.com/dl/android/aosp/ryu-n2g47o-factory-7918a74f.zip)</a>	7918a74f901fbcade1ce7ee145f6685bf7c1a87d
7.1.2 (N2G47W, Jun 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n2g47w-factory-45c8abfa.zip">Link (https://dl.google.com/dl/android/aosp/ryu-n2g47w-factory-45c8abfa.zip)</a>	45c8abfaef1af9255611f6a9f7d57a2a7ce78738
7.1.2 (N2G48B, Jul 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n2g48b-factory-fa17d973.zip">Link (https://dl.google.com/dl/android/aosp/ryu-n2g48b-factory-fa17d973.zip)</a>	fa17d9734da41b154a3592feb2f36313da60bad

7.1.2 (N2G48C, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-n2g48c-factory-0bc0ee15.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-n2g48c-factory-0bc0ee15.zip)	0bc0ee15ad02bd3bd222c7b0abc6f518512978c
8.0.0 (OPR6.170623.010, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-opr6.170623.010-factory-81a1479d.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opr6.170623.010-factory-81a1479d.zip)	81a1479d62eddc5657c6b496a5581bafe07265b
8.0.0 (OPR1.170623.026, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-opr1.170623.026-factory-e27ff2c8.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opr1.170623.026-factory-e27ff2c8.zip)	e27ff2c88f88b13d1e431321b27b1bcf7fe6552c
8.0.0 (OPR1.170623.027, Oct 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-opr1.170623.027-factory-fde49df9.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opr1.170623.027-factory-fde49df9.zip)	fde49df968a67e51a3f36876af19820323e26949
8.0.0 (OPR1.170623.032, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-opr1.170623.032-factory-020f1cf9.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opr1.170623.032-factory-020f1cf9.zip)	020f1cf911cc78dc36162b3bdb68ec6dd965ad3
8.1.0 (OPM1.171019.011, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm1.171019.011-factory-ccc99463.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm1.171019.011-factory-ccc99463.zip)	ccc99463d567d42e2d2a4e65be64670fa28d1f4
8.1.0 (OPM1.171019.015, Jan 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm1.171019.015-factory-64c65be2.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm1.171019.015-factory-64c65be2.zip)	64c65be241b20f085c554c09ccc87cb10222ce7
8.1.0 (OPM1.171019.016, Feb 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm1.171019.016-factory-fd9cb83e.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm1.171019.016-factory-fd9cb83e.zip)	fd9cb83e1fa9d9b5616d7662d44771a6fcea012
8.1.0 (OPM1.171019.022.A1, Mar 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm1.171019.022.a1-factory-e5c762a1.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm1.171019.022.a1-factory-e5c762a1.zip)	e5c762a178dc2194c86f7a5091b2302a44e6237
8.1.0 (OPM1.171019.026, Apr 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm1.171019.026-factory-8f7df218.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm1.171019.026-factory-8f7df218.zip)	8f7df21829368e87123f55f8954f8b8edb52c0f7
8.1.0 (OPM4.171019.016.C1, May 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm4.171019.016.c1-factory-1fa14065.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm4.171019.016.c1-factory-1fa14065.zip)	1fa1406541eac02e3f422ec03d48af2b352564e2
8.1.0 (OPM4.171019.021.D1, Jun 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.d1-factory-d198e485.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.d1-factory-d198e485.zip)	d198e485ca4485f4ebef484d82dbb01072ad089

8.1.0 (OPM4.171019.021.N1, Jul 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.n1-factory-1f31fdce.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.n1-factory-1f31fdce.zip)	1f31fdce8d6f941ceef09dcfe81e3a65ef8eb33c8
8.1.0 (OPM4.171019.021.Y1, Aug 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.y1-factory-02bcca94.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.y1-factory-02bcca94.zip)	02bcca943089ca31e9a83c4500fd9d37f7b7c58
8.1.0 (OPM4.171019.021.Z1, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.z1-factory-5caf896d.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm4.171019.021.z1-factory-5caf896d.zip)	5caf896d79430f4a12dd1cb937bbed7b1557456
8.1.0 (OPM8.181005.003, Oct 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.181005.003-factory-d5eea995.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.181005.003-factory-d5eea995.zip)	d5eea99520bf396c85648b1cc4e6bba73b9943c
8.1.0 (OPM8.181105.002, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.181105.002-factory-fa8f00b5.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.181105.002-factory-fa8f00b5.zip)	fa8f00b5d15ae705b22acf65291dd1cc28c72fca
8.1.0 (OPM8.181205.001, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.181205.001-factory-11eb366b.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.181205.001-factory-11eb366b.zip)	11eb366bfa1eddeda13f2610c88df33742e931b
8.1.0 (OPM8.190105.002, Jan 2019)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.190105.002-factory-9f1e2867.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.190105.002-factory-9f1e2867.zip)	9f1e2867ac928fcd96e6ed176ffea95bc27c7b84
8.1.0 (OPM8.190205.001, Feb 2019)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.190205.001-factory-84f16195.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.190205.001-factory-84f16195.zip)	84f16195106f3c282795178784916012bda76bc
8.1.0 (OPM8.190305.001, Mar 2019)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.190305.001-factory-0d59fffd.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.190305.001-factory-0d59fffd.zip)	0d59fffd3d3ba68d79098cc9f5347449ee9b1cb3
8.1.0 (OPM8.190405.001, Apr 2019)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.190405.001-factory-08674d7b.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.190405.001-factory-08674d7b.zip)	08674d7bcb287541ebddb597e4abbade0bb7d0
8.1.0 (OPM8.190505.001, May 2019)	<a href="https://dl.google.com/dl/android/aosp/ryu-opm8.190505.001-factory-d6019509.zip">Link</a> (https://dl.google.com/dl/android/aosp/ryu-opm8.190505.001-factory-d6019509.zip)	d60195096f4507e88d17c572db7fba9081088b5
8.1.0 (OPM8.190605.003,	<a href="#">Link</a>	4548e81b985d4870b850a26eb0cee211b02606

## "angler" for Nexus 6P

Version	Download	SHA-256 Checksum
6.0.0 (MDA89D)	<a href="https://dl.google.com/dl/android/aosp/angler-md89d-factory-9f001626.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-md89d-factory-9f001626.zip">https://dl.google.com/dl/android/aosp/angler-md89d-factory-9f001626.zip</a> )	9f001626d37785a4845e2d61c53caaff839a3
6.0.0 (MDB08K)	<a href="https://dl.google.com/dl/android/aosp/angler-mdb08k-factory-46550886.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mdb08k-factory-46550886.zip">https://dl.google.com/dl/android/aosp/angler-mdb08k-factory-46550886.zip</a> )	4655088655f64e4f778adebe9e0ac8099447a
6.0.0 (MDB08L)	<a href="https://dl.google.com/dl/android/aosp/angler-mdb08l-factory-bb060be5.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mdb08l-factory-bb060be5.zip">https://dl.google.com/dl/android/aosp/angler-mdb08l-factory-bb060be5.zip</a> )	bb060be5690856a09325862c94c356877503
6.0.0 (MDB08M)	<a href="https://dl.google.com/dl/android/aosp/angler-mdb08m-factory-5690aabf.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mdb08m-factory-5690aabf.zip">https://dl.google.com/dl/android/aosp/angler-mdb08m-factory-5690aabf.zip</a> )	5690aabf9b18d19ffff5949907eb123f15aff6c
6.0.0 (MMB29N)	<a href="https://dl.google.com/dl/android/aosp/angler-mmb29n-factory-63f8243f.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mmb29n-factory-63f8243f.zip">https://dl.google.com/dl/android/aosp/angler-mmb29n-factory-63f8243f.zip</a> )	63f8243f3bc4fed4638ce9bc943d989da34e7
6.0.1 (MMB29M)	<a href="https://dl.google.com/dl/android/aosp/angler-mmb29m-factory-616cf265.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mmb29m-factory-616cf265.zip">https://dl.google.com/dl/android/aosp/angler-mmb29m-factory-616cf265.zip</a> )	616cf265c50f3960883f4c0e22b5e795defd8
6.0.1 (MMB29P)	<a href="https://dl.google.com/dl/android/aosp/angler-mmb29p-factory-ba26af97.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mmb29p-factory-ba26af97.zip">https://dl.google.com/dl/android/aosp/angler-mmb29p-factory-ba26af97.zip</a> )	ba26af977515fc9279f78aec766b6e1da33d3
6.0.1 (MMB29Q)	<a href="https://dl.google.com/dl/android/aosp/angler-mmb29q-factory-24a6e02f.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mmb29q-factory-24a6e02f.zip">https://dl.google.com/dl/android/aosp/angler-mmb29q-factory-24a6e02f.zip</a> )	24a6e02f2c3134a32e0d164d016383459578
6.0.1 (MMB29V)	<a href="https://dl.google.com/dl/android/aosp/angler-mmb29v-factory-17366b60.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-mmb29v-factory-17366b60.zip">https://dl.google.com/dl/android/aosp/angler-mmb29v-factory-17366b60.zip</a> )	17366b60a63f8d3a9844f7562ea04d1a4409

6.0.1 (MHC19I)	<a href="https://dl.google.com/dl/android/aosp/angler-mhc19i-factory-545ef106.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-mhc19i-factory-545ef106.zip)	545ef1061782108ad699b96a1f05a59c73ee
6.0.1 (MHC19Q)	<a href="https://dl.google.com/dl/android/aosp/angler-mhc19q-factory-e49fbdfd.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-mhc19q-factory-e49fbdfd.zip)	e49fbdfd9982787166b5b159861f9d41ba817
6.0.1 (MTC19T)	<a href="https://dl.google.com/dl/android/aosp/angler-mtc19t-factory-095027d5.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-mtc19t-factory-095027d5.zip)	095027d58b891101167b85a0032998e720da
6.0.1 (MTC19V)	<a href="https://dl.google.com/dl/android/aosp/angler-mtc19v-factory-b322694c.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-mtc19v-factory-b322694c.zip)	b322694cd8b4f2dfba77889dd9cc645b59e53
6.0.1 (MTC19X)	<a href="https://dl.google.com/dl/android/aosp/angler-mtc19x-factory-ee8f6cd9.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-mtc19x-factory-ee8f6cd9.zip)	ee8f6cd94ce599d6b938ad055c7a1c333b9e
6.0.1 (MTC20F)	<a href="https://dl.google.com/dl/android/aosp/angler-mtc20f-factory-4355fe06.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-mtc20f-factory-4355fe06.zip)	4355fe06c7f4fe5a319838991bdef3381cf566
6.0.1 (MTC20L)	<a href="https://dl.google.com/dl/android/aosp/angler-mtc20l-factory-b7864fdb.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-mtc20l-factory-b7864fdb.zip)	b7864fdb261080ba1ab7126f7f2dee9e80fab
7.0.0 (NRD90T)	<a href="https://dl.google.com/dl/android/aosp/angler-nrd90t-factory-75edc1f7.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-nrd90t-factory-75edc1f7.zip)	75edc1f7a52c81907a294530bcd1248cc821
7.0.0 (NRD90U)	<a href="https://dl.google.com/dl/android/aosp/angler-nrd90u-factory-7c9b6a2b.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-nrd90u-factory-7c9b6a2b.zip)	7c9b6a2b91be9cfad51e40cd43a9c82be982
7.0.0 (NBD90X, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/angler-nbd90x-factory-4e17ed23.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-nbd90x-factory-4e17ed23.zip)	4e17ed23bd461960996a32453d2d378ee3ac
7.0.0 (NBD91K, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/angler-nbd91k-factory-6f206c95.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-nbd91k-factory-6f206c95.zip)	6f206c95da22ae17a26e5da22a14a09e676d
7.1.1 (NMF26F, Dec	<a href="#">Link</a>	ef60724457149b9db8ad9fcd4202e4f110d05

2016. All carriers except Verizon)	( <a href="https://dl.google.com/dl/android/aosp/angler-nmf26f-factory-ef607244.zip">https://dl.google.com/dl/android/aosp/angler-nmf26f-factory-ef607244.zip</a> )	
7.1.1 (N4F26I, Jan 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n4f26i-factory-ff60a465.zip">https://dl.google.com/dl/android/aosp/angler-n4f26i-factory-ff60a465.zip</a> )	ff60a4656fcd7bc0cb051362d1733e876257e
7.1.1 (N4F26J, Jan 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n4f26j-factory-01874fd6.zip">https://dl.google.com/dl/android/aosp/angler-n4f26j-factory-01874fd6.zip</a> )	01874fd682f11ee513242fa5c75a15c52f973
7.1.1 (N4F26O, Feb 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n4f26o-factory-c53f0a50.zip">https://dl.google.com/dl/android/aosp/angler-n4f26o-factory-c53f0a50.zip</a> )	c53f0a502154f4e78884d6b39041a2a7adda
7.1.1 (NUF26K, Feb 2017, Verizon Only)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-nuf26k-factory-bde381d4.zip">https://dl.google.com/dl/android/aosp/angler-nuf26k-factory-bde381d4.zip</a> )	bde381d45306c6adfcbb0c14c5e0603b0230
7.1.1 (N4F26T, Mar 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n4f26t-factory-50ddc702.zip">https://dl.google.com/dl/android/aosp/angler-n4f26t-factory-50ddc702.zip</a> )	50ddc7027f726f32a93d1035b95cdc56518b
7.1.1 (NUF26N, Mar 2017, Verizon Only)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-nuf26n-factory-4612cdec.zip">https://dl.google.com/dl/android/aosp/angler-nuf26n-factory-4612cdec.zip</a> )	4612cdec702583cc7ccd95b7c99ebe2b7433
7.1.1 (N4F26U, Apr 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n4f26u-factory-131d7b01.zip">https://dl.google.com/dl/android/aosp/angler-n4f26u-factory-131d7b01.zip</a> )	131d7b01edd691eede96c64a5911466b944e
7.1.2 (N2G47H, Apr 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n2g47h-factory-f1111327.zip">https://dl.google.com/dl/android/aosp/angler-n2g47h-factory-f1111327.zip</a> )	f1111327051062c28aa80a96a51f56b1897e
7.1.2 (N2G47O, May 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n2g47o-factory-dc258043.zip">https://dl.google.com/dl/android/aosp/angler-n2g47o-factory-dc258043.zip</a> )	dc258043828b0a6b96791011857eb8c1b82a
7.1.2 (N2G47W, Jun 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n2g47w-factory-bd87661a.zip">https://dl.google.com/dl/android/aosp/angler-n2g47w-factory-bd87661a.zip</a> )	bd87661ac3d16c7902abf9fc44b50606ff6cc
7.1.2 (N2G48B, Jul 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/angler-n2g48b-factory-34c51cad.zip">https://dl.google.com/dl/android/aosp/angler-n2g48b-factory-34c51cad.zip</a> )	34c51cadceaa568bdf324d6e3a1788c837b4
7.1.2 (N2G48C, Aug	<a href="#">Link</a>	6a21e52889246aee2be75479af1a684d4e1c



2017)	(https://dl.google.com/dl/android/aosp/angler-n2g48c-factory-6a21e528.zip)	
8.0.0 (OPR6.170623.013, Aug 2017, Not for TMO/USCC/Fi)	<a href="https://dl.google.com/dl/android/aosp/angler-opr6.170623.013-factory-a63b2f21.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opr6.170623.013-factory-a63b2f21.zip)	a63b2f21ad07d7b163cdb0ff26b4d3aedfa38
8.0.0 (OPR6.170623.019, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/angler-opr6.170623.019-factory-9fd72ad6.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opr6.170623.019-factory-9fd72ad6.zip)	9fd72ad64ea223f8578f7058c83864e876470
8.0.0 (OPR5.170623.007, Oct 2017)	<a href="https://dl.google.com/dl/android/aosp/angler-opr5.170623.007-factory-b4c75d12.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opr5.170623.007-factory-b4c75d12.zip)	b4c75d12530fcb7f92d4e0716296ad1e582e5
8.0.0 (OPR5.170623.011, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/angler-opr5.170623.011-factory-0e60ceb6.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opr5.170623.011-factory-0e60ceb6.zip)	0e60ceb689de1a430925188d7412f9fcfb2f3
8.0.0 (OPR5.170623.014, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/angler-opr5.170623.014-factory-9cce48d8.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opr5.170623.014-factory-9cce48d8.zip)	9cce48d868ea2cfe39aca6ef17d914bec503f
8.1.0 (OPM1.171019.011, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/angler-opm1.171019.011-factory-39448337.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm1.171019.011-factory-39448337.zip)	39448337f1716a7e097a9b32655b826ca308
8.1.0 (OPM3.171019.013, Jan 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm3.171019.013-factory-3204625a.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm3.171019.013-factory-3204625a.zip)	3204625a24c0569e7e13d44edef656fcf1d35
8.1.0 (OPM5.171019.014, Jan 2018, Softbank)	<a href="https://dl.google.com/dl/android/aosp/angler-opm5.171019.014-factory-a96bc15a.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm5.171019.014-factory-a96bc15a.zip)	a96bc15a458a77441348da3caf72d2d179f47
8.1.0 (OPM3.171019.014, Feb 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm3.171019.014-factory-75d6fd94.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm3.171019.014-factory-75d6fd94.zip)	75d6fd94c97b914dd76605d35b46526250ae
8.1.0 (OPM5.171019.015, Feb 2018, Softbank)	<a href="https://dl.google.com/dl/android/aosp/angler-opm5.171019.015-factory-1e006a8d.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm5.171019.015-factory-1e006a8d.zip)	1e006a8d17ebc3ca22d17491f2dcc1e47444
8.1.0 (OPM3.171019.016, Mar 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm3.171019.016-factory-08de5265.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm3.171019.016-factory-08de5265.zip)	08de5265eb9519b313e55ba2df526b9f0249

8.1.0 (OPM5.171019.017, Mar 2018, Softbank)	<a href="https://dl.google.com/dl/android/aosp/angler-opm5.171019.017-factory-64398f10.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm5.171019.017-factory-64398f10.zip)	64398f101c8ba3a5ca72148a60cdd7212d10
8.1.0 (OPM3.171019.019, Apr 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm3.171019.019-factory-e48da4e0.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm3.171019.019-factory-e48da4e0.zip)	e48da4e058f987600da708513bc31d334351
8.1.0 (OPM5.171019.019, Apr 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm5.171019.019-factory-e6191337.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm5.171019.019-factory-e6191337.zip)	e6191337ae977b5a1bac32cbafae6c5edf976
8.1.0 (OPM2.171019.029.A1, May 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm2.171019.029.a1-factory-bf17e552.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm2.171019.029.a1-factory-bf17e552.zip)	bf17e55271cbcf6235f5772cf6db06af6db400
8.1.0 (OPM6.171019.030.B1, Jun 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.b1-factory-ab13a98b.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.b1-factory-ab13a98b.zip)	ab13a98be182f7046a98fbaf657b1825ced93
8.1.0 (OPM6.171019.030.E1, Jul 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.e1-factory-1abcb2f1.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.e1-factory-1abcb2f1.zip)	1abcb2f11fa3ad926b140173693499feb70db
8.1.0 (OPM6.171019.030.H1, Aug 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.h1-factory-00138df6.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.h1-factory-00138df6.zip)	00138df633bacd55beb96a1211863b849f08
8.1.0 (OPM6.171019.030.K1, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.k1-factory-adc4f069.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm6.171019.030.k1-factory-adc4f069.zip)	adc4f0698eb760d5fc76b8c4d8d7272760097
8.1.0 (OPM7.181005.003, Oct 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm7.181005.003-factory-42c955a4.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm7.181005.003-factory-42c955a4.zip)	42c955a4869bb3e3be569aefd4c7f03677fdc
8.1.0 (OPM7.181105.004, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm7.181105.004-factory-41baa917.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm7.181105.004-factory-41baa917.zip)	41baa917b4ca6034a36c30d20540b21b81b4
8.1.0 (OPM7.181205.001, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/angler-opm7.181205.001-factory-b75ce068.zip">Link</a> (https://dl.google.com/dl/android/aosp/angler-opm7.181205.001-factory-b75ce068.zip)	b75ce068f23a0e793805f80fccbc081eca528

# "bullhead" for Nexus 5X

Version	Download	SHA-256 Checksum
6.0.0 (MDA89E)	<a href="https://dl.google.com/dl/android/aosp/bullhead-md89e-factory-d716b566.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-md89e-factory-d716b566.zip)	d716b566f82f8716287592febeee294792d
6.0.0 (MDB08I)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mdb08i-factory-329f6582.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mdb08i-factory-329f6582.zip)	329f65828483310fffc4615ec15583f41f6
6.0.0 (MDB08L)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mdb08l-factory-69995ae9.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mdb08l-factory-69995ae9.zip)	69995ae939970e1fe9e954ad8ecaf046aab
6.0.0 (MDB08M)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mdb08m-factory-9f8fb666.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mdb08m-factory-9f8fb666.zip)	9f8fb666e998999fb8317c21fea9a34082c3
6.0.1 (MMB29K)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mmb29k-factory-c3b91ce3.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mmb29k-factory-c3b91ce3.zip)	c3b91ce36655f47a63d26b6c6b94278e27
6.0.1 (MMB29P)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mmb29p-factory-806ea72b.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mmb29p-factory-806ea72b.zip)	806ea72b44b60dd62e4ac621244fc9d9e6
6.0.1 (MMB29Q)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mmb29q-factory-f8228950.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mmb29q-factory-f8228950.zip)	f82289500de3ac128452e0a91e98c42e94
6.0.1 (MMB29V)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mmb29v-factory-09b6d3d2.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mmb29v-factory-09b6d3d2.zip)	09b6d3d2770f75f82451a8ea03d5121e41c
6.0.1 (MHC19J)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mhc19j-factory-8083681d.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mhc19j-factory-8083681d.zip)	8083681de1a1e0686788d7eb4215a01a
6.0.1 (MHC19Q)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mhc19q-factory-2e43836c.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-mhc19q-factory-2e43836c.zip)	2e43836c99d6c78ce45b62a4591a151094
6.0.1 (MTC19T)	<a href="#">Link</a>	dea1dfba857970acf3cb0aef10b826d2d40

	<a href="https://dl.google.com/dl/android/aosp/bullhead-mtc19t-factory-dea1dfba.zip">https://dl.google.com/dl/android/aosp/bullhead-mtc19t-factory-dea1dfba.zip</a>	
6.0.1 (MTC19V)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mtc19v-factory-61de3a6f.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-mtc19v-factory-61de3a6f.zip)</a>	61de3a6fa4ef9284972adae7deec58a3e9
6.0.1 (MTC19Z)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mtc19z-factory-953a60d3.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-mtc19z-factory-953a60d3.zip)</a>	953a60d30ac717cdd5228492afffe108199
6.0.1 (MTC20F)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mtc20f-factory-fa466167.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-mtc20f-factory-fa466167.zip)</a>	fa4661677b9c973a4d0a4ee50fed241af61
6.0.1 (MTC20K)	<a href="https://dl.google.com/dl/android/aosp/bullhead-mtc20k-factory-4a950470.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-mtc20k-factory-4a950470.zip)</a>	4a950470af6c1e0111cfa8efbd77422928b
7.0.0 (NRD90M)	<a href="https://dl.google.com/dl/android/aosp/bullhead-nrd90m-factory-61495c8b.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-nrd90m-factory-61495c8b.zip)</a>	61495c8b4e22e8ddb1522278905db3e571
7.0.0 (NRD90R)	<a href="https://dl.google.com/dl/android/aosp/bullhead-nrd90r-factory-dc60b38f.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-nrd90r-factory-dc60b38f.zip)</a>	dc60b38f8f248aff594e4fce28d59727b0f2
7.0.0 (NRD90S)	<a href="https://dl.google.com/dl/android/aosp/bullhead-nrd90s-factory-d6bf1f56.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-nrd90s-factory-d6bf1f56.zip)</a>	d6bf1f56311f03903908a7fa20f75e5f9c2d
7.0.0 (NBD90W, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/bullhead-nbd90w-factory-d2f11c5f.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-nbd90w-factory-d2f11c5f.zip)</a>	d2f11c5f22d71eff939996291cb7430be2b
7.0.0 (NRD91N, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/bullhead-nrd91n-factory-7a2e3942.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-nrd91n-factory-7a2e3942.zip)</a>	7a2e3942c5963e51ce31ad5cedcb0a634d
7.0.0 (N5D91L, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n5d91l-factory-7151a923.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-n5d91l-factory-7151a923.zip)</a>	7151a9237e64b64f53e50684bc1e0cef514
7.1.1 (NMF26F, Dec 2016)	<a href="https://dl.google.com/dl/android/aosp/bullhead-nmf26f-factory-7ad6b52c.zip">Link (https://dl.google.com/dl/android/aosp/bullhead-nmf26f-factory-7ad6b52c.zip)</a>	7ad6b52c7f1aba6021dd256c3c4746299e

7.1.1 (N4F26I, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n4f26i-factory-03896e0a.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n4f26i-factory-03896e0a.zip)	03896e0adb2ed6b19f0e3b8554763e48a1
7.1.1 (N4F26O, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n4f26o-factory-1da5304e.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n4f26o-factory-1da5304e.zip)	1da5304e52c43ae0fad1828fce9b60656b3
7.1.1 (N4F26T, Mar 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n4f26t-factory-8eed1d9f.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n4f26t-factory-8eed1d9f.zip)	8eed1d9fc7f3d6365cdd41d10f0adab3888
7.1.1 (N4F26U, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n4f26u-factory-e6420fc1.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n4f26u-factory-e6420fc1.zip)	e6420fc10c3bce4625c75b2b322ccfdb652
7.1.2 (N2G47F, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n2g47f-factory-f5d53a67.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n2g47f-factory-f5d53a67.zip)	f5d53a67662d1b4c2b2325813d823fc49ac
7.1.2 (N2G47O, May 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n2g47o-factory-3ff32f55.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n2g47o-factory-3ff32f55.zip)	3ff32f55daae9d973021c3e67480d3210ac
7.1.2 (N2G47W, Jun 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n2g47w-factory-e4179e51.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n2g47w-factory-e4179e51.zip)	e4179e510e8fb930c42676d1fcfebeea4e3
7.1.2 (N2G47Z, Jul 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n2g47z-factory-c3573ae2.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n2g47z-factory-c3573ae2.zip)	c3573ae2252cdc98d7f6e2d3ef31f79b97e
7.1.2 (N2G48C, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-n2g48c-factory-45d442a2.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-n2g48c-factory-45d442a2.zip)	45d442a26832292df258d7be83de160f280
8.0.0 (OPR6.170623.013, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opr6.170623.013-factory-203642e1.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opr6.170623.013-factory-203642e1.zip)	203642e1a27ee0f00302cbf0003adfb8fabf
8.0.0 (OPR4.170623.006, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opr4.170623.006-factory-e876a276.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opr4.170623.006-factory-e876a276.zip)	e876a2762a721ba12abbe6849d31b4aa2c
8.0.0 (OPR4.170623.009, Oct 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opr4.170623.009-factory-b9f20abf.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opr4.170623.009-factory-b9f20abf.zip)	b9f20abf22bb2eb912ad66db316eb83f775



8.0.0 (OPR6.170623.023, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opr6.170623.023-factory-71c4191e.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opr6.170623.023-factory-71c4191e.zip)	71c4191efdfa2b9a293c0f59fa6865d99ca
8.0.0 (OPR4.170623.020, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opr4.170623.020-factory-152b858b.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opr4.170623.020-factory-152b858b.zip)	152b858b7b89649327db77b8fabca8afc65
8.1.0 (OPM1.171019.011, Dec 2017)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm1.171019.011-factory-3be6fd1c.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm1.171019.011-factory-3be6fd1c.zip)	3be6fd1c8ad9759f1f77f0f2e62fae62ffdb
8.1.0 (OPM3.171019.013, Jan 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm3.171019.013-factory-20d65754.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm3.171019.013-factory-20d65754.zip)	20d6575420a4e5861903ac1941c454410f
8.1.0 (OPM5.171019.014, Jan 2018, Telstra and Softbank)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm5.171019.014-factory-2f815bac.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm5.171019.014-factory-2f815bac.zip)	2f815bacf3c2a0b839895a1903242afbf46
8.1.0 (OPM3.171019.014, Feb 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm3.171019.014-factory-79f53247.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm3.171019.014-factory-79f53247.zip)	79f532473db66f4a494229198d967601e1
8.1.0 (OPM5.171019.015, Feb 2018, Telstra and Softbank)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm5.171019.015-factory-1a2de10b.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm5.171019.015-factory-1a2de10b.zip)	1a2de10b9f7aadfdad29244b2627b62ead
8.1.0 (OPM3.171019.016, Mar 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm3.171019.016-factory-6e4c89cb.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm3.171019.016-factory-6e4c89cb.zip)	6e4c89cba89bc9135abf3e8c12fcbf2c2fe7
8.1.0 (OPM5.171019.017, Mar 2018, Telstra and Softbank)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm5.171019.017-factory-5c65d443.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm5.171019.017-factory-5c65d443.zip)	5c65d4433dea790953c542fa8b7a44f949e
8.1.0 (OPM2.171019.029, Apr 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm2.171019.029-factory-c7ba966b.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm2.171019.029-factory-c7ba966b.zip)	c7ba966bb89462517e7c425773bc30fa26
8.1.0 (OPM4.171019.016.A1, May 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm4.171019.016.a1-factory-d5756448.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm4.171019.016.a1-factory-d5756448.zip)	d5756448fee7fefc556c9c804bee4fa02cfe



8.1.0 (OPM6.171019.030.B1, Jun 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.b1-factory-b3487a6c.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.b1-factory-b3487a6c.zip)	b3487a6c5eccdb8bdfed9f2be4d58ca89ec
8.1.0 (OPM6.171019.030.E1, Jul 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.e1-factory-0650f4c3.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.e1-factory-0650f4c3.zip)	0650f4c3118bc49f58fe7bbacb37aeed589
8.1.0 (OPM6.171019.030.H1, Aug 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.h1-factory-81957f7f.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.h1-factory-81957f7f.zip)	81957f7fcbf6d47a595e9369dbbcc856d99
8.1.0 (OPM6.171019.030.K1, Sep 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.k1-factory-0ae3cd15.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm6.171019.030.k1-factory-0ae3cd15.zip)	0ae3cd15376f946ad25695d75857a32c69
8.1.0 (OPM7.181005.003, Oct 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm7.181005.003-factory-e23fac1c.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm7.181005.003-factory-e23fac1c.zip)	e23fac1c7995e47e12823e3db577bb16f19
8.1.0 (OPM7.181105.004, Nov 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm7.181105.004-factory-37df0288.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm7.181105.004-factory-37df0288.zip)	37df02882d3c90cebabf21fccc8f1909474f
8.1.0 (OPM7.181205.001, Dec 2018)	<a href="https://dl.google.com/dl/android/aosp/bullhead-opm7.181205.001-factory-5f189d84.zip">Link</a> (https://dl.google.com/dl/android/aosp/bullhead-opm7.181205.001-factory-5f189d84.zip)	5f189d84781a26b49aca0de84a941a32ae

## "shamu" for Nexus 6

Version	Download	SHA-256 Checksum
5.0 (LRX210)	<a href="https://dl.google.com/dl/android/aosp/shamu-lrx210-factory-ef423ec5.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lrx210-factory-ef423ec5.zip)	ef423ec5ab0f3f2370681206236b9e1817a7512375ce18
5.0.1 (LRX22C)	<a href="https://dl.google.com/dl/android/aosp/shamu-lrx22c-factory-2b930c37.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lrx22c-factory-2b930c37.zip)	2b930c37ced6aee159f7c2bfa1609f61976057339b2a7f

5.1.0 (LMY47D)	<a href="https://dl.google.com/dl/android/aosp/shamu-lmy47d-factory-228e9d64.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lmy47d-factory-228e9d64.zip)	228e9d64b34063d430700316b13a494277b12e519d7a7
5.1.0 (LMY47E)	<a href="https://dl.google.com/dl/android/aosp/shamu-lmy47e-factory-9aeac3ca.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lmy47e-factory-9aeac3ca.zip)	9aeac3ca510f5aad8263e5656a10f0fef3a78a743253013
5.1.0 (LMY47I)	<a href="https://dl.google.com/dl/android/aosp/shamu-lmy47i-factory-3a0545d8.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lmy47i-factory-3a0545d8.zip)	3a0545d80e2e1099069b952abb03fead6481d7d4a6eac
5.1.0 (For T-Mobile ONLY) (LMY47M)	<a href="https://dl.google.com/dl/android/aosp/shamu-lmy47m-factory-617139c6.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lmy47m-factory-617139c6.zip)	617139c68a41784e5e971a0ff25212605bc8ced67df0c6
5.1.1 (All carriers except T-Mobile US) (LMY47Z)	<a href="https://dl.google.com/dl/android/aosp/shamu-lmy47z-factory-81b798d6.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lmy47z-factory-81b798d6.zip)	81b798d603186730e99c701053402156cb43b96a4f0f8
5.1.1 (For T-Mobile ONLY) (LYZ28E)	<a href="https://dl.google.com/dl/android/aosp/shamu-lyz28e-factory-d8d3c84e.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lyz28e-factory-d8d3c84e.zip)	d8d3c84eb70b4c593a1b30a4ec228d6c6072f5f11f2d03
5.1.1 (For Project Fi ONLY) (LVY48C)	<a href="https://dl.google.com/dl/android/aosp/shamu-lvy48c-factory-a1cf7213.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lvy48c-factory-a1cf7213.zip)	a1cf7213cfac6213b8c18c49ec0476d92b70286a0346eb
5.1.1 (LMY48I)	<a href="https://dl.google.com/dl/android/aosp/shamu-lmy48i-factory-70635eea.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lmy48i-factory-70635eea.zip)	70635eeaab9de2a2bca1cc5b0fdf84917ce07d13dcfcfb4
5.1.1 (For T-Mobile ONLY) (LYZ28J)	<a href="https://dl.google.com/dl/android/aosp/shamu-lyz28j-factory-0296e96f.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lyz28j-factory-0296e96f.zip)	0296e96f8a23b6c4562a8535e9c2af9955edef09d09c98
5.1.1 (For Project Fi ONLY)	<a href="https://dl.google.com/dl/android/aosp/shamu-lvy48e-factory-bb92198f.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-lvy48e-factory-bb92198f.zip)	bb92198f1c3b37da8c6933421bd898f282ec28b4661d5c

(LVY48E)		
5.1.1 (LMY48M)	<a href="https://dl.google.com/dl/android/aosp/shamulmy48m-factory-25210911.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulmy48m-factory-25210911.zip)	25210911286e7959c4237fbeeb12db0214b094f94aba90
5.1.1 (For T-Mobile ONLY) (LYZ28K)	<a href="https://dl.google.com/dl/android/aosp/shamulyz28k-factory-306b611d.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulyz28k-factory-306b611d.zip)	306b611df1796fa5795925f70066218ba75585825e0ae8
5.1.1 (For Project Fi ONLY) (LVY48F)	<a href="https://dl.google.com/dl/android/aosp/shamulvy48f-factory-caf25cb7.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulvy48f-factory-caf25cb7.zip)	caf25cb7400b9cc3177c5f8d0e9d550cf39fc5c6e2f7d02
5.1.1 (LMY48T)	<a href="https://dl.google.com/dl/android/aosp/shamulmy48t-factory-afc4b8b7.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulmy48t-factory-afc4b8b7.zip)	afc4b8b70c2c4ee68a287ed64bd1e435b9731083faee67
5.1.1 (For T-Mobile ONLY) (LYZ28M)	<a href="https://dl.google.com/dl/android/aosp/shamulyz28m-factory-dd3dcb20.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulyz28m-factory-dd3dcb20.zip)	dd3dcb2028c57638b1c837951dc6ca56873ec44aef7bb
5.1.1 (For Project Fi ONLY) (LVY48H)	<a href="https://dl.google.com/dl/android/aosp/shamulvy48h-factory-d197efba.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulvy48h-factory-d197efba.zip)	d197efba5e74588d35c77db8905423a71be8311c2a105
5.1.1 (LMY48W)	<a href="https://dl.google.com/dl/android/aosp/shamulmy48w-factory-403fe322.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulmy48w-factory-403fe322.zip)	403fe3222fe103fae11ffd7ee27486aacc6479c69c9760e
5.1.1 (LMY48X)	<a href="https://dl.google.com/dl/android/aosp/shamulmy48x-factory-2bf8d6fd.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulmy48x-factory-2bf8d6fd.zip)	2bf8d6fde027e0161d2eb3c45ea997016fdd8cc879f720
5.1.1 (LMY48Y)	<a href="https://dl.google.com/dl/android/aosp/shamulmy48y-factory-505ed306.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulmy48y-factory-505ed306.zip)	505ed3067bb04e45374eaad707e729c08b5d06586016c
5.1.1 (For T-Mobile ONLY) (LYZ28N)	<a href="https://dl.google.com/dl/android/aosp/shamulyz28n-factory-5dffe2dc.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamulyz28n-factory-5dffe2dc.zip)	5dffe2dccf71c1859a2c58d80a08e372cea3b8d49c20db
5.1.1 (For	<a href="#">Link</a>	e9cedcb8f4f0be18576b7317fe915bbf868907be9859a2

Project Fi ONLY) (LVY48I)	( <a href="https://dl.google.com/dl/android/aosp/shamuly48i-factory-e9cedcb8.zip">https://dl.google.com/dl/android/aosp/shamuly48i-factory-e9cedcb8.zip</a> )	
6.0.0 (MRA58K)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamumra58k-factory-0c8cee76.zip">https://dl.google.com/dl/android/aosp/shamumra58k-factory-0c8cee76.zip</a> )	0c8cee76432db6fc40c169a61bbd6286b76e06bc5ebf5c
6.0.0 (MRA58N)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamumra58n-factory-330ade99.zip">https://dl.google.com/dl/android/aosp/shamumra58n-factory-330ade99.zip</a> )	330ade99ba383bb263d8ec2bbfc8e936053d29080dc3c
6.0.0 (MRA58R)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamumra58r-factory-0c3e2d0b.zip">https://dl.google.com/dl/android/aosp/shamumra58r-factory-0c3e2d0b.zip</a> )	0c3e2d0b5a4af48eb665836bb64c6a4c95554ba6efe9a3
6.0.0 (MRA58X)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamumra58x-factory-9a184014.zip">https://dl.google.com/dl/android/aosp/shamumra58x-factory-9a184014.zip</a> )	9a18401432138127943e8ac2464d4f7b80920f8e6d748
6.0.1 (MMB29K)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shaummb29k-factory-374c4c6a.zip">https://dl.google.com/dl/android/aosp/shaummb29k-factory-374c4c6a.zip</a> )	374c4c6adfc65c5c4202bde51647c1a949ef26fdd78206
6.0.1 (MMB29S)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shaummb29s-factory-a593f97c.zip">https://dl.google.com/dl/android/aosp/shaummb29s-factory-a593f97c.zip</a> )	a593f97c033cf678dd282c5216fcf920c1cea1e9ff6ae02
6.0.1 (MMB29Q)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shaummb29q-factory-b6c05f68.zip">https://dl.google.com/dl/android/aosp/shaummb29q-factory-b6c05f68.zip</a> )	b6c05f68f0613d117f589f03325c4dd4bc025188e41df7
6.0.1 (MMB29V)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shaummb29v-factory-eb823e76.zip">https://dl.google.com/dl/android/aosp/shaummb29v-factory-eb823e76.zip</a> )	eb823e767cdd926638a00cf410a0580915c2a3e9d954c
6.0.1 (MMB29X)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shaummb29x-factory-64449878.zip">https://dl.google.com/dl/android/aosp/shaummb29x-factory-64449878.zip</a> )	64449878d12147532f8664a3f2bf47801698e4f791ab80
6.0.1 (MOB30D)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shaumob30d-factory-df7014f9.zip">https://dl.google.com/dl/android/aosp/shaumob30d-factory-df7014f9.zip</a> )	df7014f9417a886bc9efc79d9a3548add5e0a18aea47f73
6.0.1 (MMB30G)	<a href="#">Link</a>	d5d540ed1bd8f8a544740dd75f2e8e61a43a15c13a9fa2

	<a href="https://dl.google.com/dl/android/aosp/shamu-mmb30g-factory-d5d540ed.zip">https://dl.google.com/dl/android/aosp/shamu-mmb30g-factory-d5d540ed.zip</a>	
6.0.1 (MOB30I)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob30i-factory-3692dac3.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mob30i-factory-3692dac3.zip)</a>	3692dac3560b0e03b5bab4c113ea9ebe1def8c4cbc5420
6.0.1 (MMB30J)	<a href="https://dl.google.com/dl/android/aosp/shamu-mmb30j-factory-dc940f6b.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mmb30j-factory-dc940f6b.zip)</a>	dc940f6b6baeadf295806456c46fb1ca4800f1bdb43b3f9
6.0.1 (MOB30M)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob30m-factory-e0a74382.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mob30m-factory-e0a74382.zip)</a>	e0a743824b3abf397d0d7158779356dc9bb5d9d6d34c1
6.0.1 (MMB30K)	<a href="https://dl.google.com/dl/android/aosp/shamu-mmb30k-factory-3db93497.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mmb30k-factory-3db93497.zip)</a>	3db934979cafe6c35448e8cff0c035e1e82b198e857720
6.0.1 (MOB30O)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob30o-factory-5d20bd38.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mob30o-factory-5d20bd38.zip)</a>	5d20bd38d77b33ae38c54fefe6fcef60a99270a13bdb5f7
6.0.1 (MMB30R)	<a href="https://dl.google.com/dl/android/aosp/shamu-mmb30r-factory-d5878426.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mmb30r-factory-d5878426.zip)</a>	d587842660034fd6dc72b85c09b419ee96f68102ab35f7
6.0.1 (MOB30W)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob30w-factory-21715256.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mob30w-factory-21715256.zip)</a>	21715256ba8d5e745954239b8da810e75f32e9ffed9bcd
6.0.1 (MMB30W)	<a href="https://dl.google.com/dl/android/aosp/shamu-mmb30w-factory-9a710d33.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mmb30w-factory-9a710d33.zip)</a>	9a710d332de151cbdadaef3cfbb18641802d4f37c5ce5a
6.0.1 (MOB31E)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob31e-factory-051e2d25.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mob31e-factory-051e2d25.zip)</a>	051e2d2525fcfc422c73e95bf360437c241789ea65a42b
6.0.1 (MMB30Y, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/shamu-mmb30y-factory-95eac974.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mmb30y-factory-95eac974.zip)</a>	95eac974e01661d62fd115180b028116597f08c9b90eac
6.0.1 (MOB31H, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob31h-factory-5ef08d52.zip">Link (https://dl.google.com/dl/android/aosp/shamu-mob31h-factory-5ef08d52.zip)</a>	5ef08d521a7bd1df742bd81363ba0f59ed489983e48fc8

7.0.0 (NBD90Z, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/shamu-nbd90z-factory-92e7bb05.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-nbd90z-factory-92e7bb05.zip)	92e7bb058e3842fab33241feb2d315cb3ff9c00d9a8bb7
6.0.1 (MMB31C, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/shamu-mmb31c-factory-dd075f34.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-mmb31c-factory-dd075f34.zip)	dd075f342df42597aefb588d4cc851cdfe22efbada1039c
6.0.1 (MOB31K, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob31k-factory-49a4de6b.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-mob31k-factory-49a4de6b.zip)	49a4de6b7ac963184da86e071002ccfb303b5afecf1a9b
7.0.0 (NBD91P, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/shamu-nbd91p-factory-987282ff.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-nbd91p-factory-987282ff.zip)	987282ffca6918cf82585b040d6e3dccf4895b9241a23d
7.0.0 (NBD91U, Dec 2016)	<a href="https://dl.google.com/dl/android/aosp/shamu-nbd91u-factory-1aca1562.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-nbd91u-factory-1aca1562.zip)	1aca15622a90922a37a8b0071c60edabe241e72303c23
6.0.1 (MOB31S, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob31s-factory-c73a35ef.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-mob31s-factory-c73a35ef.zip)	c73a35efb3e089177f94f758de9dff8fde0df77c27bb26b
7.0.0 (NBD91X, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/shamu-nbd91x-factory-f653ffea.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-nbd91x-factory-f653ffea.zip)	f653ffeabf1a2ef0d1c8b7b9cf85511198fcf5a2961982d
7.1.1 (N6F26Q, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/shamu-n6f26q-factory-460b565b.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-n6f26q-factory-460b565b.zip)	460b565b5939e29cd74811392f12690a0bb9fc8ced172c
6.0.1 (MOB31T, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/shamu-mob31t-factory-a40106ff.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-mob31t-factory-a40106ff.zip)	a40106ffa0d636c705e3fd045e3cf97b8217aae3fae6703
7.0.0 (NBD91Y, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/shamu-nbd91y-factory-7e2f4915.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-nbd91y-factory-7e2f4915.zip)	7e2f49150a570961f6e0a28083d9f932b2ff401af983c6b
7.0.0 (NBD91Z, Feb 2017, ATT Only)	<a href="https://dl.google.com/dl/android/aosp/shamu-nbd91z-factory-ffb1f6a6.zip">Link</a> (https://dl.google.com/dl/android/aosp/shamu-nbd91z-factory-ffb1f6a6.zip)	ffb1f6a6beb63fb932c86cc329c59038f4e49254316dcf2
7.1.1 (N6F26R,	<a href="#">Link</a>	d68bd4ce70cd7d94a098d16e949c6677264cb699d36e8



Feb 2017)	( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f26r-factory-d68bd4ce.zip">https://dl.google.com/dl/android/aosp/shamu-n6f26r-factory-d68bd4ce.zip</a> )	
7.0.0 (NBD92D, Mar 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-nbd92d-factory-a5e9a1f5.zip">https://dl.google.com/dl/android/aosp/shamu-nbd92d-factory-a5e9a1f5.zip</a> )	a5e9a1f535d69769caa72015d7dffc17e0a35e736f127b
7.0.0 (NBD92E, Mar 2017, ATT Only)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-nbd92e-factory-1ad7d1a4.zip">https://dl.google.com/dl/android/aosp/shamu-nbd92e-factory-1ad7d1a4.zip</a> )	1ad7d1a49d15b7eccb0c41a7653a0eae5f147f64debd5b
7.1.1 (N6F26U, Mar 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f26u-factory-6e52aa95.zip">https://dl.google.com/dl/android/aosp/shamu-n6f26u-factory-6e52aa95.zip</a> )	6e52aa95b48d4d8e1f191e4370e4207b92b822100846d
7.0.0 (NBD92F, Apr 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-nbd92f-factory-55370c9d.zip">https://dl.google.com/dl/android/aosp/shamu-nbd92f-factory-55370c9d.zip</a> )	55370c9de0c7b5edb8dfde126148eff68a88ceee224fb10
7.0.0 (NBD92G, Apr 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-nbd92g-factory-28a47aa1.zip">https://dl.google.com/dl/android/aosp/shamu-nbd92g-factory-28a47aa1.zip</a> )	28a47aa1bf6909ccd04bdcef375d1af64abb898b1d31e3
7.1.1 (N6F26Y, Apr 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f26y-factory-fdd4bbc7.zip">https://dl.google.com/dl/android/aosp/shamu-n6f26y-factory-fdd4bbc7.zip</a> )	fdd4bbc7bf72e612973231bfb46bf0df14a39304ba7de78
7.1.1 (N6F27C, May 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f27c-factory-5a3649b7.zip">https://dl.google.com/dl/android/aosp/shamu-n6f27c-factory-5a3649b7.zip</a> )	5a3649b7049e74196a449eb4c28296064c565aba72049
7.1.1 (N6F27E, Jun 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f27e-factory-74a9a99e.zip">https://dl.google.com/dl/android/aosp/shamu-n6f27e-factory-74a9a99e.zip</a> )	74a9a99ec3532ee39e5c5bde92e659d3b2b3884245f85
7.1.1 (N6F27H, Jul 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f27h-factory-718e138f.zip">https://dl.google.com/dl/android/aosp/shamu-n6f27h-factory-718e138f.zip</a> )	718e138faec60f7c065dd738011a720e9e3ff76101f7b9c
7.1.1 (N6F27I, Aug 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f27i-factory-edc6a1ba.zip">https://dl.google.com/dl/android/aosp/shamu-n6f27i-factory-edc6a1ba.zip</a> )	edc6a1ba19d1fabfdeb1d2fdf6c2725e3be40c0eb8823f1
7.1.1 (N8I11B,	<a href="#">Link</a>	9f65ba637a135f7ed050c9d2e26bb47c23b0b79ca18711

Aug 2017)	( <a href="https://dl.google.com/dl/android/aosp/shamu-n8i11b-factory-9f65ba63.zip">https://dl.google.com/dl/android/aosp/shamu-n8i11b-factory-9f65ba63.zip</a> )	
7.1.1 (NGI55D, Sep 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-ngi55d-factory-1132151d.zip">https://dl.google.com/dl/android/aosp/shamu-ngi55d-factory-1132151d.zip</a> )	1132151de197efe0bd8903aeccf7b097c0d3d52a07238e
7.1.1 (N6F27M, Oct 2017)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n6f27m-factory-bf5cce08.zip">https://dl.google.com/dl/android/aosp/shamu-n6f27m-factory-bf5cce08.zip</a> )	bf5cce08f62344d79d5b533875c3485a03accf45bd28f4
7.1.1 (N8I11F, Oct 2017, T-Mobile)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-n8i11f-factory-ae7e8dcf.zip">https://dl.google.com/dl/android/aosp/shamu-n8i11f-factory-ae7e8dcf.zip</a> )	ae7e8dcf559a9efc155eac9900cd4b07174ab916d4a95b
7.1.1 (NGI77B, Oct 2017, Verizon)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/shamu-ngi77b-factory-5cd75e2a.zip">https://dl.google.com/dl/android/aosp/shamu-ngi77b-factory-5cd75e2a.zip</a> )	5cd75e2a3bbbe5d7cf886f6dba4dbfc16a04076e6ace11

## "fugu" for Nexus Player

Version	Download	SHA-256 Checksum
5.0 (LRX21M)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/fugu-lrx21m-factory-e012394c.zip">https://dl.google.com/dl/android/aosp/fugu-lrx21m-factory-e012394c.zip</a> )	e012394cf4ee5cd2c8957f616a23a6f5f87cb04563
5.0 (LRX21V)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/fugu-lrx21v-factory-2f283d96.zip">https://dl.google.com/dl/android/aosp/fugu-lrx21v-factory-2f283d96.zip</a> )	2f283d965537cbb19c7b694692cea2b1c9adcd64b
5.1.0 (LMY47D)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/fugu-lmy47d-factory-3704b408.zip">https://dl.google.com/dl/android/aosp/fugu-lmy47d-factory-3704b408.zip</a> )	3704b4084f2e6716ba7fa220732006bc78d543562
5.1.1 (LMY47V)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/fugu-lmy47v-factory-c9a59be3.zip">https://dl.google.com/dl/android/aosp/fugu-lmy47v-factory-c9a59be3.zip</a> )	c9a59be3af6db26cb76b5f492d900dfa1a424f2403
5.1.1 (LMY48J)	<a href="#">Link</a>	c7b4e4c0afe8307ec8500249c237667afb7b46b27

	<a href="https://dl.google.com/dl/android/aosp/fugu-lmy48j-factory-c7b4e4c0.zip">https://dl.google.com/dl/android/aosp/fugu-lmy48j-factory-c7b4e4c0.zip</a>	
5.1.1 (LMY48N)	<a href="https://dl.google.com/dl/android/aosp/fugu-lmy48n-factory-80ab3689.zip">Link (https://dl.google.com/dl/android/aosp/fugu-lmy48n-factory-80ab3689.zip)</a>	80ab3689617cd0fc1d352815a9bae2021ca0ee7c3
6.0.0 (MRA58K)	<a href="https://dl.google.com/dl/android/aosp/fugu-mra58k-factory-36637aa2.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mra58k-factory-36637aa2.zip)</a>	36637aa266810c8dfc38c7af9b50983c34535eecd
6.0.0 (MRA58N)	<a href="https://dl.google.com/dl/android/aosp/fugu-mra58n-factory-3b5bccdc.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mra58n-factory-3b5bccdc.zip)</a>	3b5bccdc7ef95f4d8757da2a5a7806bad50c6c340
6.0.1 (MMB29M)	<a href="https://dl.google.com/dl/android/aosp/fugu-mmb29m-factory-203edd00.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mmb29m-factory-203edd00.zip)</a>	203edd000afc89c342e61e6ee2e8372bae8982fc7
6.0.1 (MMB29T)	<a href="https://dl.google.com/dl/android/aosp/fugu-mmb29t-factory-80953b19.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mmb29t-factory-80953b19.zip)</a>	80953b195520cf153dd82122a210610b2a64ff4a0
6.0.1 (MMB29U)	<a href="https://dl.google.com/dl/android/aosp/fugu-mmb29u-factory-b97861b2.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mmb29u-factory-b97861b2.zip)</a>	b97861b28b239bbd6ccebb8e6a09db4aa1f17d90e
6.0.1 (MMB29V)	<a href="https://dl.google.com/dl/android/aosp/fugu-mmb29v-factory-be9d09b4.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mmb29v-factory-be9d09b4.zip)</a>	be9d09b4378f9a3274ce4ad7a45d5535823b556df
6.0.1 (MOB30D)	<a href="https://dl.google.com/dl/android/aosp/fugu-mob30d-factory-b89b3606.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mob30d-factory-b89b3606.zip)</a>	b89b36063035bd8a650b86eaa629ab798be15fca5
6.0.1 (MOB30G)	<a href="https://dl.google.com/dl/android/aosp/fugu-mob30g-factory-273c6d21.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mob30g-factory-273c6d21.zip)</a>	273c6d218a0955a1b40a3ca2489313f8c5010a4da
6.0.1 (MOB30M)	<a href="https://dl.google.com/dl/android/aosp/fugu-mob30m-factory-17465cb7.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mob30m-factory-17465cb7.zip)</a>	17465cb7c2f26ffca96fb83ab387d50cc41ebc4e9b
6.0.1 (MOB30P)	<a href="https://dl.google.com/dl/android/aosp/fugu-mob30p-factory-a9127fa5.zip">Link (https://dl.google.com/dl/android/aosp/fugu-mob30p-factory-a9127fa5.zip)</a>	a9127fa513717ec7af4afecebd8014b352922a1e77

6.0.1 (MOB30W)	<a href="https://dl.google.com/dl/android/aosp/fugu-mob30w-factory-a9242814.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-mob30w-factory-a9242814.zip)	a92428145f52d5c2ab6d6dfba142d91ca804fd1d1
7.0.0 (NRD90M)	<a href="https://dl.google.com/dl/android/aosp/fugu-nrd90m-factory-3b5f38ea.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nrd90m-factory-3b5f38ea.zip)	3b5f38ea2d721136cf803e053e07c55c5a8378026
7.0.0 (NRD90R)	<a href="https://dl.google.com/dl/android/aosp/fugu-nrd90r-factory-663a9f79.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nrd90r-factory-663a9f79.zip)	663a9f79612b3a1e3710148c62e4c0a4513c0fea3
7.0.0 (NRD91D, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/fugu-nrd91d-factory-60a7d0e5.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nrd91d-factory-60a7d0e5.zip)	60a7d0e500bfb45471c38b5aa4cf936fc992dd084
7.0.0 (NRD91N, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/fugu-nrd91n-factory-c3105e53.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nrd91n-factory-c3105e53.zip)	c3105e53fbb91bcaa022d678358a426399d1260c4
7.1.1 (NMF26J, Dec 2016)	<a href="https://dl.google.com/dl/android/aosp/fugu-nmf26j-factory-4dd61763.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nmf26j-factory-4dd61763.zip)	4dd61763120d981caf22b2abbd3dad3e4f76229ee
7.1.1 (NMF26R, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-nmf26r-factory-ab8fe2f8.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nmf26r-factory-ab8fe2f8.zip)	ab8fe2f85e521640aaeba566030175ea1d3fdf1b7
7.1.1 (NMF26X, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-nmf26x-factory-ace86f3e.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nmf26x-factory-ace86f3e.zip)	ace86f3e26d5b4d623dcf9a5629ca45b23c8da2c7
7.1.1 (NMF27D, Mar 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-nmf27d-factory-55ddcf4e.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-nmf27d-factory-55ddcf4e.zip)	55ddcf4e5f08f61a4b659a9a98953e671da884fda4
7.1.2 (N2G47H, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-n2g47h-factory-303349c6.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-n2g47h-factory-303349c6.zip)	303349c6eebb9b9ce116102d7344326dde7e5ccb1
7.1.2 (N2G47R, May 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-n2g47r-factory-bd937e40.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-n2g47r-factory-bd937e40.zip)	bd937e40d191d55c3948aa7caee39091e9c4e3d8b
7.1.2 (N2G47X, Jun 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-n2g47x-factory-bf5df918.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-n2g47x-factory-bf5df918.zip)	bf5df918f463f815781e230b0a0fc74ca57a57ed58

7.1.2 (N2G48B, Jul 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-n2g48b-factory-fe2179ef.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-n2g48b-factory-fe2179ef.zip)	fe2179ef2c58c589862a6e521c6c63e6567fdef2b4
7.1.2 (N2G48C, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-n2g48c-factory-fa00f525.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-n2g48c-factory-fa00f525.zip)	fa00f5250df960e8adb51376580838e56b6034920
8.0.0 (OPR6.170623.021, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-opr6.170623.021-factory-e34311b0.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-opr6.170623.021-factory-e34311b0.zip)	e34311b052e93b600bc217023f4b5b3d89db829a
8.0.0 (OPR2.170623.027, Nov 2017)	<a href="https://dl.google.com/dl/android/aosp/fugu-opr2.170623.027-factory-d4be396e.zip">Link</a> (https://dl.google.com/dl/android/aosp/fugu-opr2.170623.027-factory-d4be396e.zip)	d4be396ec7e1b569234eefe22b4a27234f45af22b8

## "volantisg" for Nexus 9 (LTE)

Version	Download	SHA-256 Checksum
5.0.1 (LRX22C)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lrx22c-factory-d8015ca4.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lrx22c-factory-d8015ca4.zip)	d8015ca4e9849fe90778be9c752a5b10f523be461b4a
5.0.2 (LRX22L)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lrx22l-factory-cd3da569.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lrx22l-factory-cd3da569.zip)	cd3da5697f5ff9c930c78c2eaa1c17ab2d899b15a5bf1
5.1.1 (LMY47X)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lmy47x-factory-2a91598f.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lmy47x-factory-2a91598f.zip)	2a91598fbb84dd8466684f964dee48953fc405d967d5
5.1.1 (LMY48I)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lmy48i-factory-898dfbd2.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lmy48i-factory-898dfbd2.zip)	898dfbd203defdf71629e9d0c715821256dec1124af57
5.1.1 (LMY48M)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lmy48m-factory-88a64c37.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lmy48m-factory-88a64c37.zip)	88a64c3719ed95447d6be74c8ecf9d4f9fe08372e8786

5.1.1 (LMY48T)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lmy48t-factory-f7a4c096.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lmy48t-factory-f7a4c096.zip)	f7a4c09633b8e73c6cd0c04ec61ebbf7075123e7694
5.1.1 (LMY48X)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lmy48x-factory-f461d081.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lmy48x-factory-f461d081.zip)	f461d081a260d8e9d92e88f5efd80b802661477f78a9c
5.1.1 (LMY48Z)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lmy48z-factory-e62889df.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lmy48z-factory-e62889df.zip)	e62889df41c193b4e2da6257fc88ff5eb5aff82a8b1ce4
5.1.1 (LMY49F)	<a href="https://dl.google.com/dl/android/aosp/volantisg-lmy49f-factory-c9caeb4d.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-lmy49f-factory-c9caeb4d.zip)	c9caeb4d9888c9db4d473cc50ea8a75f125634da7e1c
6.0.0 (MRA58K)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mra58k-factory-1dba8ee1.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-mra58k-factory-1dba8ee1.zip)	1dba8ee190a569583a73873734f06b70e1aeb2d7731b
6.0.0 (MRA58N)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mra58n-factory-d1194c11.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-mra58n-factory-d1194c11.zip)	d1194c114bf2adf985682661b5a5fa6dbba379af8845f
6.0.1 (MMB29K)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mmb29k-factory-ef7c9fd9.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-mmb29k-factory-ef7c9fd9.zip)	ef7c9fd9a339de16c3afa82d1eee18650ff4760648acd3
6.0.1 (MMB29S)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mmb29s-factory-60e2b9e3.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-mmb29s-factory-60e2b9e3.zip)	60e2b9e3837d5bbdd63e52a9ad54a3f45b20f34521e4
6.0.1 (MMB29R)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mmb29r-factory-4048f881.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-mmb29r-factory-4048f881.zip)	4048f8815f4b489d475073333f780ed08fd022a5574d7
6.0.1 (MMB29V)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mmb29v-factory-2a546a9f.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-mmb29v-factory-2a546a9f.zip)	2a546a9ff09d57bc36858c5be4b7ca31357804735bbf3
6.0.1 (MMB29X)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mmb29x-factory-c2f54495.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-mmb29x-factory-c2f54495.zip)	c2f54495871e70eea1b9e3cd21eba4057c7c9884b07a
6.0.1 (MOB30D)	<a href="#">Link</a>	a6df68105124c7da8a196caa42cfbf18e4c23d3222e0a



	( <a href="https://dl.google.com/dl/android/aosp/volantisg-mob30d-factory-a6df6810.zip">https://dl.google.com/dl/android/aosp/volantisg-mob30d-factory-a6df6810.zip</a> )	
6.0.1 (MOB30G)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mob30g-factory-06932bb6.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-mob30g-factory-06932bb6.zip">https://dl.google.com/dl/android/aosp/volantisg-mob30g-factory-06932bb6.zip</a> )	06932bb6c7a1d03a7842be6090a7719f9923a6d58f19
6.0.1 (MOB30M)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mob30m-factory-7f1c6739.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-mob30m-factory-7f1c6739.zip">https://dl.google.com/dl/android/aosp/volantisg-mob30m-factory-7f1c6739.zip</a> )	7f1c67390e186c4a671fdd4fddd8aadd45ffc9a1fb8f0f
6.0.1 (MOB30P)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mob30p-factory-bd9c5e6b.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-mob30p-factory-bd9c5e6b.zip">https://dl.google.com/dl/android/aosp/volantisg-mob30p-factory-bd9c5e6b.zip</a> )	bd9c5e6b3cf0ed1b20ba388afc457315443df5d3a78b3
6.0.1 (MOB30W)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mob30w-factory-1afbef6f.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-mob30w-factory-1afbef6f.zip">https://dl.google.com/dl/android/aosp/volantisg-mob30w-factory-1afbef6f.zip</a> )	1afbef6f45df55708d431a293371c67f5dd991daca8ec
6.0.1 (MOB31E)	<a href="https://dl.google.com/dl/android/aosp/volantisg-mob31e-factory-b8c6b982.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-mob31e-factory-b8c6b982.zip">https://dl.google.com/dl/android/aosp/volantisg-mob31e-factory-b8c6b982.zip</a> )	b8c6b9821622934872b8c162808bb76b78c2b18fd0a9
7.0.0 (NRD90R)	<a href="https://dl.google.com/dl/android/aosp/volantisg-nrd90r-factory-ba76b361.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-nrd90r-factory-ba76b361.zip">https://dl.google.com/dl/android/aosp/volantisg-nrd90r-factory-ba76b361.zip</a> )	ba76b3613888e17fd9b36382dbfb5f4cf3e7416a612fb
7.0.0 (NRD91N, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/volantisg-nrd91n-factory-972fb42b.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-nrd91n-factory-972fb42b.zip">https://dl.google.com/dl/android/aosp/volantisg-nrd91n-factory-972fb42b.zip</a> )	972fb42bc769243968b833b2cae1f59082045392d548
7.1.1 (NMF26F, Dec 2016)	<a href="https://dl.google.com/dl/android/aosp/volantisg-nmf26f-factory-cb15d790.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-nmf26f-factory-cb15d790.zip">https://dl.google.com/dl/android/aosp/volantisg-nmf26f-factory-cb15d790.zip</a> )	cb15d79007c1421b612fe6256268eb35c8ab2e7caa6e
7.1.1 (N4F26Q, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f26q-factory-52cefc27.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-n4f26q-factory-52cefc27.zip">https://dl.google.com/dl/android/aosp/volantisg-n4f26q-factory-52cefc27.zip</a> )	52cefc279dc73193125f7531c3e9a49852776411b41e
7.1.1 (N4F26T, Mar 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f26t-factory-ac2cfe5f.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-n4f26t-factory-ac2cfe5f.zip">https://dl.google.com/dl/android/aosp/volantisg-n4f26t-factory-ac2cfe5f.zip</a> )	ac2cfe5fd43d98d6f9880bd5f1a7f6b5fb57ed187e5220
7.1.1 (N4F26X, Apr 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f26x-factory-5e0a6018.zip">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/volantisg-n4f26x-factory-5e0a6018.zip">https://dl.google.com/dl/android/aosp/volantisg-n4f26x-factory-5e0a6018.zip</a> )	5e0a6018465ffdb6bd97bb1680e3a59892f42d5580e6

7.1.1 (N4F27B, May 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f27b-factory-c3edb21e.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-n4f27b-factory-c3edb21e.zip)	c3edb21e3a1e278dce4318897498efdc132e32a65bc8
7.1.1 (N4F27E, Jun 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f27e-factory-e29015b9.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-n4f27e-factory-e29015b9.zip)	e29015b9b6d5cb7e1f3f525c5e3bc7591865e80eed21
7.1.1 (N4F27I, Jul 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f27i-factory-a7d03ede.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-n4f27i-factory-a7d03ede.zip)	a7d03ede5b642f98b8450422ea36c6bcd0c42cdfbd5e
7.1.1 (N4F27K, Aug 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f27k-factory-a69e5f5e.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-n4f27k-factory-a69e5f5e.zip)	a69e5f5e2535b9789998990f0138521d75761c463e70
7.1.1 (N4F27O, Sep 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f27o-factory-6826050e.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-n4f27o-factory-6826050e.zip)	6826050ed70173fcdde8cf861f4c3f081f638f2a12b98e
7.1.1 (N4F27P, Oct 2017)	<a href="https://dl.google.com/dl/android/aosp/volantisg-n4f27p-factory-1e29c858.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantisg-n4f27p-factory-1e29c858.zip)	1e29c858d283d75dab5c53eaa6397cd1f8bf4b3dd24e

## "volantis" for Nexus 9 (Wi-Fi)

Version	Download	SHA-256 Checksum
5.0 (LRX21Q)	<a href="https://dl.google.com/dl/android/aosp/volantis-lrx21q-factory-90cce0e6.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-lrx21q-factory-90cce0e6.zip)	90cce0e6f02263122b4ed59ce8f8938d714ebae5feb41
5.0 (LRX21R)	<a href="https://dl.google.com/dl/android/aosp/volantis-lrx21r-factory-d72d6d1a.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-lrx21r-factory-d72d6d1a.zip)	d72d6d1a3f8f8ae3c6598dbec46ad6f8418341604ddace
5.0.1 (LRX22C)	<a href="https://dl.google.com/dl/android/aosp/volantis-lrx22c-factory-cd4320b7.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-lrx22c-factory-cd4320b7.zip)	cd4320b7ee3d992901d31bba4a86e8f0575cb2a57feea
5.0.2 (LRX22L)	<a href="#">Link</a>	0e950403538452b615dc6a8145445c7a243d46d11e27

	<a href="https://dl.google.com/dl/android/aosp/volantis-lrx22l-factory-0e950403.zip">https://dl.google.com/dl/android/aosp/volantis-lrx22l-factory-0e950403.zip</a>	
5.1.1 (LMY47X)	<a href="https://dl.google.com/dl/android/aosp/volantis-lmy47x-factory-10914332.zip">Link (https://dl.google.com/dl/android/aosp/volantis-lmy47x-factory-10914332.zip)</a>	1091433202f01ef83176d5afbbf70e64307038f0a8328e
5.1.1 (LMY48I)	<a href="https://dl.google.com/dl/android/aosp/volantis-lmy48i-factory-ff3f2f81.zip">Link (https://dl.google.com/dl/android/aosp/volantis-lmy48i-factory-ff3f2f81.zip)</a>	ff3f2f812df09f460ef10610eef0533cc0050239a09b1ad
5.1.1 (LMY48M)	<a href="https://dl.google.com/dl/android/aosp/volantis-lmy48m-factory-13484746.zip">Link (https://dl.google.com/dl/android/aosp/volantis-lmy48m-factory-13484746.zip)</a>	1348474657d40374a3b44b5980889af887c07ae935304
5.1.1 (LMY48T)	<a href="https://dl.google.com/dl/android/aosp/volantis-lmy48t-factory-b925de62.zip">Link (https://dl.google.com/dl/android/aosp/volantis-lmy48t-factory-b925de62.zip)</a>	b925de62459c521e6c09c69424a89b699c6f25c1ff5aba
6.0.0 (MRA58K)	<a href="https://dl.google.com/dl/android/aosp/volantis-mra58k-factory-1fc6a923.zip">Link (https://dl.google.com/dl/android/aosp/volantis-mra58k-factory-1fc6a923.zip)</a>	1fc6a92388dcb946e4a2f6747ab70b0493b024cdfb3ffa
6.0.0 (MRA58N)	<a href="https://dl.google.com/dl/android/aosp/volantis-mra58n-factory-77facd1e.zip">Link (https://dl.google.com/dl/android/aosp/volantis-mra58n-factory-77facd1e.zip)</a>	77facd1e6473e088fd6103e6d1be842a095fc58014e30f
6.0.1 (MMB29K)	<a href="https://dl.google.com/dl/android/aosp/volantis-mmb29k-factory-0987fac3.zip">Link (https://dl.google.com/dl/android/aosp/volantis-mmb29k-factory-0987fac3.zip)</a>	0987fac30ebffe1bd61daac825c7d8af46562b7b13ffce1
6.0.1 (MMB29S)	<a href="https://dl.google.com/dl/android/aosp/volantis-mmb29s-factory-c1f746d3.zip">Link (https://dl.google.com/dl/android/aosp/volantis-mmb29s-factory-c1f746d3.zip)</a>	c1f746d3333cf8afa40eef744f6c91fcb52ff5b6f14cbff67
6.0.1 (MMB29R)	<a href="https://dl.google.com/dl/android/aosp/volantis-mmb29r-factory-bffa6ff7.zip">Link (https://dl.google.com/dl/android/aosp/volantis-mmb29r-factory-bffa6ff7.zip)</a>	bffa6ff738af18fe41973af19d18fd00ef7a793c5020a621
6.0.1 (MMB29V)	<a href="https://dl.google.com/dl/android/aosp/volantis-mmb29v-factory-da6c22ad.zip">Link (https://dl.google.com/dl/android/aosp/volantis-mmb29v-factory-da6c22ad.zip)</a>	da6c22ad9f77e1801d8a6b37d3690499fbfa1dd2939a1
6.0.1 (MOB30D)	<a href="https://dl.google.com/dl/android/aosp/volantis-mob30d-factory-391d89ed.zip">Link (https://dl.google.com/dl/android/aosp/volantis-mob30d-factory-391d89ed.zip)</a>	391d89eda3e69d2f0beb6f5460395af016b28bca181e79

6.0.1 (MOB30G)	<a href="https://dl.google.com/dl/android/aosp/volantis-mob30g-factory-1c35d799.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-mob30g-factory-1c35d799.zip)	1c35d7992486d3f565eb7f1d20ccd1ef675c6fd8fe8c41a
6.0.1 (MOB30M)	<a href="https://dl.google.com/dl/android/aosp/volantis-mob30m-factory-adffa5c1.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-mob30m-factory-adffa5c1.zip)	adffa5c14830ad2eae3ab4f616868e9311cc8cbfc653ba
6.0.1 (MOB30P)	<a href="https://dl.google.com/dl/android/aosp/volantis-mob30p-factory-a742a212.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-mob30p-factory-a742a212.zip)	a742a2124f5e4e1fe8b4ea1db007698a9359a8e45215b
6.0.1 (MOB30W)	<a href="https://dl.google.com/dl/android/aosp/volantis-mob30w-factory-c2c750bc.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-mob30w-factory-c2c750bc.zip)	c2c750bcd815a48ce061deae94a43ce156de0f5a97f5e7
7.0.0 (NRD90M)	<a href="https://dl.google.com/dl/android/aosp/volantis-nrd90m-factory-fccddb6d.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-nrd90m-factory-fccddb6d.zip)	fccddb6d82bd0c21b5200d047b24b6b5a6af798aa7885
7.0.0 (NRD90R)	<a href="https://dl.google.com/dl/android/aosp/volantis-nrd90r-factory-84de678f.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-nrd90r-factory-84de678f.zip)	84de678f9f4b5b96f2f44dfba0ef0794a56e3727c11e410
7.0.0 (NRD91D, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/volantis-nrd91d-factory-a27db9bc.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-nrd91d-factory-a27db9bc.zip)	a27db9bc4613f5fc41ce30372ce8401d445bee4635851
7.0.0 (NRD91N, Nov 2016)	<a href="https://dl.google.com/dl/android/aosp/volantis-nrd91n-factory-97ea58be.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-nrd91n-factory-97ea58be.zip)	97ea58bec951f11bf1ffff892ef0a8de746e9ae92a0657b
7.1.1 (NMF26F, Dec 2016)	<a href="https://dl.google.com/dl/android/aosp/volantis-nmf26f-factory-dcb1615a.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-nmf26f-factory-dcb1615a.zip)	dcb1615a22931332a1f2a7a352e4fb04f116c7f43dd86f
7.1.1 (N4F26M, Jan 2017)	<a href="https://dl.google.com/dl/android/aosp/volantis-n4f26m-factory-c8b6741d.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-n4f26m-factory-c8b6741d.zip)	c8b6741d3327ecda89c8cd47625eff4ff213b3e00573e5
7.1.1 (N4F26Q, Feb 2017)	<a href="https://dl.google.com/dl/android/aosp/volantis-n4f26q-factory-2207298d.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-n4f26q-factory-2207298d.zip)	2207298d3ef06cba1367a9e1fe4d7bf2483ed7e8dd6b73
7.1.1 (N4F26T, Mar 2017)	<a href="https://dl.google.com/dl/android/aosp/volantis-n4f26t-factory-641764b5.zip">Link</a> (https://dl.google.com/dl/android/aosp/volantis-n4f26t-factory-641764b5.zip)	641764b5643de7fb87d5333ceb35ab367cd3031f7fea7a

7.1.1	<a href="#">Link</a>	788661ae86059575497edf290d714d92b2fb544502235
(N4F26X,	(https://dl.google.com/dl/android/aosp/volantis-	
Apr 2017)	n4f26x-factory-788661ae.zip)	
7.1.1	<a href="#">Link</a>	f171c46f88694d3246d9dfa7387e7566a892825c01e670
(N4F27B,	(https://dl.google.com/dl/android/aosp/volantis-	
May 2017)	n4f27b-factory-f171c46f.zip)	
7.1.1	<a href="#">Link</a>	0d0540fbc57f29ca22b13fbb0564330f0b84178ccf1f6b2
(N9F27C,	(https://dl.google.com/dl/android/aosp/volantis-	
Jun 2017)	n9f27c-factory-0d0540fb.zip)	
7.1.1	<a href="#">Link</a>	265c20e87359a6865c8edaa33510b36fce1c0b6b9f593
(N9F27F,	(https://dl.google.com/dl/android/aosp/volantis-	
Jul 2017)	n9f27f-factory-265c20e8.zip)	
7.1.1	<a href="#">Link</a>	d2ad51d621a60f903e3080a3ea648e6eb53a1eab5c266
(N9F27H,	(https://dl.google.com/dl/android/aosp/volantis-	
Aug 2017)	n9f27h-factory-d2ad51d6.zip)	
7.1.1	<a href="#">Link</a>	f8ffc0dabae79a8ac7608c57973b4ba148152fa9e0c682
(N9F27L,	(https://dl.google.com/dl/android/aosp/volantis-	
Sep 2017)	n9f27l-factory-f8ffc0da.zip)	
7.1.1	<a href="#">Link</a>	a0d4773612f987fbff27b8eb0b4d94f17912e42e50ad7f0
(N9F27M,	(https://dl.google.com/dl/android/aosp/volantis-	
Oct 2017)	n9f27m-factory-a0d47736.zip)	

## "hammerhead" for Nexus 5 (GSM/LTE)

Version	Download	SHA-256 Checksum
4.4 (KRT16M)	<a href="#">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-krt16m-factory-fb4041cc.zip)	fb4041cc77a51c2f8c93afcc06df4c50e029fef6
4.4.2 (KOT49H)	<a href="#">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-kot49h-factory-3c5d358b.zip)	3c5d358ba25ee32afc1b2fc9d7d7abbc8515f24

4.4.3 (KTU84M)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-ktu84m-factory-9c4610fb.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-ktu84m-factory-9c4610fb.zip)	9c4610fb1964618685c099934784057bc13de4
4.4.4 (KTU84P)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-ktu84p-factory-1f5f26b1.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-ktu84p-factory-1f5f26b1.zip)	1f5f26b17be1bb63874d82cdb03a8dea70fcff5c
4.4.4 Release 2 (For 2Degrees/NZ, Telstra/AUS and India ONLY) (KTU84Q)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-ktu84q-factory-654c5471.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-ktu84q-factory-654c5471.zip)	654c5471bbb866193e571b9ac74da25bf436e2
5.0 (LRX21O)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-lrx21o-factory-56a09d43.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-lrx21o-factory-56a09d43.zip)	56a09d43d0dcc808d9dd9e2ed4c424af29bec2
5.0.1 (LRX22C)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-lrx22c-factory-3b22f481.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-lrx22c-factory-3b22f481.zip)	3b22f4819d718818a65582c5c904073847b662
5.1.0 (LMY47D)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-lmy47d-factory-7df990ed.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-lmy47d-factory-7df990ed.zip)	7df990ed37728f44f4c77d1c42c306df802f6149
5.1.0 (LMY47I)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-lmy47i-factory-f1734da1.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-lmy47i-factory-f1734da1.zip)	f1734da163304f57b23f43d79755abec60e286c
5.1.1 (LMY48B)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-lmy48b-factory-e90640d2.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-lmy48b-factory-e90640d2.zip)	e90640d2c2b53f9cad26addbefa42ef54d48002
5.1.1 (LMY48I)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-lmy48i-factory-67766277.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-lmy48i-factory-67766277.zip)	67766277bfc9db722d8d7837ef205bda492476
5.1.1 (LMY48M)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-lmy48m-factory-e01ca3b7.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-lmy48m-factory-e01ca3b7.zip)	e01ca3b73688ee06e83d6a133369f8e254b3a6
6.0.0 (MRA58K)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mra58k-factory-ccbc4611.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mra58k-factory-ccbc4611.zip)	ccbc4611deaa6e35a77b700843f7ad0e74a72fc



6.0.0 (MRA58N)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mra58n-factory-30da525d.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mra58n-factory-30da525d.zip)	30da525dd8aa256a796aebd0aafb030cbef584e
6.0.1 (MMB29K)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mmb29k-factory-e5796b14.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mmb29k-factory-e5796b14.zip)	e5796b1407d0c3ee6b8c01468bed0f01ddaa62
6.0.1 (MMB29S)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mmb29s-factory-82c3474f.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mmb29s-factory-82c3474f.zip)	82c3474fc87298f160e0e512c6d32458568a305
6.0.1 (MMB29Q)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mmb29q-factory-27d8a4a5.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mmb29q-factory-27d8a4a5.zip)	27d8a4a55de5613b98985f71eeb85384d0a78a
6.0.1 (MMB29V)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mmb29v-factory-7f1b9c7e.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mmb29v-factory-7f1b9c7e.zip)	7f1b9c7ed1df6124b935ae1fd2543f814b18234
6.0.1 (MMB29X)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mmb29x-factory-9ebfbf54.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mmb29x-factory-9ebfbf54.zip)	9ebfbf5473e00a25ec832b4e67c210f087aefe16
6.0.1 (MOB30D)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mob30d-factory-43d1482d.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mob30d-factory-43d1482d.zip)	43d1482d8771f5b5d97f54b19e84481651357b
6.0.1 (MOB30H)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mob30h-factory-2c178ff7.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mob30h-factory-2c178ff7.zip)	2c178ff79014fd5703d423020d22df4618b192a
6.0.1 (MOB30M)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mob30m-factory-af019693.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mob30m-factory-af019693.zip)	af019693798dceac03879feb3f46ee5b6380208
6.0.1 (MOB30P)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mob30p-factory-8d36be0c.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mob30p-factory-8d36be0c.zip)	8d36be0cfcc28da4986da0a211403b2586ab90
6.0.1 (MOB30Y)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mob30y-factory-5bea6457.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mob30y-factory-5bea6457.zip)	5bea645798a9584f6b06419537befbbb41d057f
6.0.1 (MOB31E)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-mob31e-factory-90504514.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-mob31e-factory-90504514.zip)	9050451400a69d8cd6e2b559e87c052bb7e8d7

6.0.1 (M4B30X, Oct 2016)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-m4b30x-factory-10cfaa5c.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-m4b30x-factory-10cfaa5c.zip)	10cfaa5c8ff1753af20283f5e5f938ddebbad094
6.0.1 (M4B30Z, Dec 2016)	<a href="https://dl.google.com/dl/android/aosp/hammerhead-m4b30z-factory-625c027b.zip">Link</a> (https://dl.google.com/dl/android/aosp/hammerhead-m4b30z-factory-625c027b.zip)	625c027b21afe6de7c3d0de66e3a42000269dd

## "razor" for Nexus 7 [2013] (Wi-Fi)

Version	Download	SHA-256 Checksum
4.3 (JSS15Q)	<a href="https://dl.google.com/dl/android/aosp/razor-jss15q-factory-e5793513.zip">Link</a> (https://dl.google.com/dl/android/aosp/razor-jss15q-factory-e5793513.zip)	e5793513cac2602f5943b162a3693ea44f3a793187943edf
4.3 (JSS15R)	<a href="https://dl.google.com/dl/android/aosp/razor-jss15r-factory-10bb907c.zip">Link</a> (https://dl.google.com/dl/android/aosp/razor-jss15r-factory-10bb907c.zip)	10bb907c4f7f465d0bcd7910b63485835f673d891b28c120
4.4 (KRT16S)	<a href="https://dl.google.com/dl/android/aosp/razor-krt16s-factory-cb470f70.zip">Link</a> (https://dl.google.com/dl/android/aosp/razor-krt16s-factory-cb470f70.zip)	cb470f70e8e4c560fa0fa511806e73b12179c81fe4304ade
4.4.2 (KOT49H)	<a href="https://dl.google.com/dl/android/aosp/razor-kot49h-factory-a3f2c6ab.zip">Link</a> (https://dl.google.com/dl/android/aosp/razor-kot49h-factory-a3f2c6ab.zip)	a3f2c6ab42e84796726102771e6a0ea1045e8bc42e51085
4.4.3 (KTU84L)	<a href="https://dl.google.com/dl/android/aosp/razor-ktu84l-factory-99920590.zip">Link</a> (https://dl.google.com/dl/android/aosp/razor-ktu84l-factory-99920590.zip)	99920590cd68095b4110a3930d45212b73d01ba6fc147b6
4.4.4 (KTU84P)	<a href="https://dl.google.com/dl/android/aosp/razor-ktu84p-factory-2482a7d5.zip">Link</a> (https://dl.google.com/dl/android/aosp/razor-ktu84p-factory-2482a7d5.zip)	2482a7d5d363da6c4beeb2ca35d05934ccc32e70484dd08
5.0 (LRX21P)	<a href="https://dl.google.com/dl/android/aosp/razor-lrx21p-factory-f6f1633a.zip">Link</a> (https://dl.google.com/dl/android/aosp/razor-lrx21p-factory-f6f1633a.zip)	f6f1633af1d87d27b360188f60d8e047158e362ca2be53c6
5.0.1	<a href="#">Link</a>	b8489e3abf8c25544f0a688ff60dfa544c3bfcf2387bb537b

(LRX22C)	( <a href="https://dl.google.com/dl/android/aosp/razor-lrx22c-factory-b8489e3a.zip">https://dl.google.com/dl/android/aosp/razor-lrx22c-factory-b8489e3a.zip</a> )	
5.0.2 (LRX22G)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-lrx22g-factory-980d1360.zip">https://dl.google.com/dl/android/aosp/razor-lrx22g-factory-980d1360.zip</a> )	980d1360ab8ea0dcb9550b4f25a8b7bda726efb0a6d95ca
5.1.0 (LMY47O)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-lmy47o-factory-06605773.zip">https://dl.google.com/dl/android/aosp/razor-lmy47o-factory-06605773.zip</a> )	066057739801c9401e8017c6e655867fbbd1f93f6c0798ec
5.1.1 (LMY47V)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-lmy47v-factory-18ea5082.zip">https://dl.google.com/dl/android/aosp/razor-lmy47v-factory-18ea5082.zip</a> )	18ea508292bd284b4bacebe1b165016b384ab943f4fed23
5.1.1 (LMY48G)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-lmy48g-factory-241edd58.zip">https://dl.google.com/dl/android/aosp/razor-lmy48g-factory-241edd58.zip</a> )	241edd58ebf1676d34676f55959772f1f886adaed005dd1a
5.1.1 (LMY48I)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-lmy48i-factory-deb25f22.zip">https://dl.google.com/dl/android/aosp/razor-lmy48i-factory-deb25f22.zip</a> )	deb25f226e98f0f1d4e50fc2a1770bf5f3a0183f67f803bd2
5.1.1 (LMY48M)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-lmy48m-factory-7f8241f5.zip">https://dl.google.com/dl/android/aosp/razor-lmy48m-factory-7f8241f5.zip</a> )	7f8241f52fd0c9c43a67f04efae54f190314f6583cf6c292bf
5.1.1 (LMY48T)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-lmy48t-factory-0db13100.zip">https://dl.google.com/dl/android/aosp/razor-lmy48t-factory-0db13100.zip</a> )	0db131001ec2a7af3633a0eb12756000032095d5c6314de
6.0.0 (MRA58K)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-mra58k-factory-7b438d31.zip">https://dl.google.com/dl/android/aosp/razor-mra58k-factory-7b438d31.zip</a> )	7b438d31eb3b50e008b2d8183dda864523aaab38032e219
6.0.0 (MRA58U)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-mra58u-factory-17f59671.zip">https://dl.google.com/dl/android/aosp/razor-mra58u-factory-17f59671.zip</a> )	17f5967104ce9ac95eff76ec71806f521bd8309f49ae5ea06
6.0.0 (MRA58V)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-mra58v-factory-d3d8bc1f.zip">https://dl.google.com/dl/android/aosp/razor-mra58v-factory-d3d8bc1f.zip</a> )	d3d8bc1f9f45bc485e9938dbfaec3d908c910352b8dd4f1d
6.0.1 (MMB29K)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razor-mmb29k-factory-8b43affc.zip">https://dl.google.com/dl/android/aosp/razor-mmb29k-factory-8b43affc.zip</a> )	8b43affc42eff296512156a982cdf9bba7373a891ba346f7c

6.0.1	<a href="#">Link</a>	edef049a5a768ca1c9aac9f48ee53f716117ded8ef7b6b18
(MMB29O) (https://dl.google.com/dl/android/aosp/razor-mmb29o-factory-edef049a.zip)		
6.0.1	<a href="#">Link</a>	1fc8bb0c360426dd5bc745caf32c9f7451a66d707147a299
(MMB29Q) (https://dl.google.com/dl/android/aosp/razor-mmb29q-factory-1fc8bb0c.zip)		
6.0.1	<a href="#">Link</a>	97ce617ec127e8de5c96ac552773d683210029df4f08253
(MMB29V) (https://dl.google.com/dl/android/aosp/razor-mmb29v-factory-97ce617e.zip)		
6.0.1	<a href="#">Link</a>	8e8b2ba7d0f014963a8e41cdc50ed82be428a9e49ed75dc
(MOB30D) (https://dl.google.com/dl/android/aosp/razor-mob30d-factory-8e8b2ba7.zip)		
6.0.1	<a href="#">Link</a>	582039814fd8b15f87760648ddb33e3412771cae1c68777
(MOB30J) (https://dl.google.com/dl/android/aosp/razor-mob30j-factory-58203981.zip)		
6.0.1	<a href="#">Link</a>	4890ef1d9b1b5ec82e743f5433386fab7f8daff4f83ac7c07
(MOB30M) (https://dl.google.com/dl/android/aosp/razor-mob30m-factory-4890ef1d.zip)		
6.0.1	<a href="#">Link</a>	2780fa5e07fcdc427aceb85fd78d9a205290b8bcd9f20fd3c
(MOB30P) (https://dl.google.com/dl/android/aosp/razor-mob30p-factory-2780fa5e.zip)		
6.0.1	<a href="#">Link</a>	52684dff1683ac1f012083e3476f2aad285ca937eaae1a8
(MOB30X) (https://dl.google.com/dl/android/aosp/razor-mob30x-factory-52684dff.zip)		

## "razorg" for Nexus 7 [2013] (Mobile)

Version	Download	SHA-256 Checksum
4.3	<a href="#">Link</a>	834eab41c8021d9016b8d7b5324ad993c655f918f7c3a4
(JLS36C) (https://dl.google.com/dl/android/aosp/razorg-JLS36C-factory-834eab41.zip)		
4.3.1	<a href="#">Link</a>	c7819e38d0beef181c864973a7cb889e20b50b2dd112c4

(JLS36I)	( <a href="https://dl.google.com/dl/android/aosp/razorg-jls36i-factory-c7819e38.zip">https://dl.google.com/dl/android/aosp/razorg-jls36i-factory-c7819e38.zip</a> )	
4.4 (KRT16S)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-krt16s-factory-4c0e2bbf.zip">https://dl.google.com/dl/android/aosp/razorg-krt16s-factory-4c0e2bbf.zip</a> )	4c0e2bbfa073d76a9582e8d2f54fa8dda2c78eddd72cac1
4.4.2 (KOT49H)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-kot49h-factory-67f0f487.zip">https://dl.google.com/dl/android/aosp/razorg-kot49h-factory-67f0f487.zip</a> )	67f0f487b1ca70376a9a6406abe5cfcfb713d47505502b8
4.4.2_r2 (Verizon) (KVT49L)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-kvt49l-factory-6cf4006d.zip">https://dl.google.com/dl/android/aosp/razorg-kvt49l-factory-6cf4006d.zip</a> )	6cf4006d16d39ec27d0f3f3481257b8665c3b744c03bff6
4.4.3 (KTU84L)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-ktu84l-factory-23a28047.zip">https://dl.google.com/dl/android/aosp/razorg-ktu84l-factory-23a28047.zip</a> )	23a280475cecb776484dcaccb4067916850e6b63a7ff5c
4.4.4 (KTU84P)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-ktu84p-factory-d0c428e1.zip">https://dl.google.com/dl/android/aosp/razorg-ktu84p-factory-d0c428e1.zip</a> )	d0c428e1592fa6bbe252ba07dbacc65c8951106d1759bf
5.0.2 (LRX22G)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-lrx22g-factory-c4fed480.zip">https://dl.google.com/dl/android/aosp/razorg-lrx22g-factory-c4fed480.zip</a> )	c4fed480298d9b6404dccf5a513495cabf567970db82993
5.1.0 (LMY47O)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-lmy47o-factory-9db6efe6.zip">https://dl.google.com/dl/android/aosp/razorg-lmy47o-factory-9db6efe6.zip</a> )	9db6efe6c5957f1d1b9f74c6eb409bfd81c0ae8a4d346d8
5.1.1 (LMY47V)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-lmy47v-factory-d141b515.zip">https://dl.google.com/dl/android/aosp/razorg-lmy47v-factory-d141b515.zip</a> )	d141b515f3296f0a6b25858d1fe375edbc74224d41a394
5.1.1 (LMY48P)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-lmy48p-factory-c3dc516c.zip">https://dl.google.com/dl/android/aosp/razorg-lmy48p-factory-c3dc516c.zip</a> )	c3dc516cb278b55e17c9be513be6c162d27ddcd417baa9
5.1.1 (LMY48U)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-lmy48u-factory-96decafd.zip">https://dl.google.com/dl/android/aosp/razorg-lmy48u-factory-96decafd.zip</a> )	96decafd96a1c5b6f131b8226499316a0da783299f7011
5.1.1 (LMY48X)	<a href="#">Link</a> ( <a href="https://dl.google.com/dl/android/aosp/razorg-lmy48x-factory-0d952c83.zip">https://dl.google.com/dl/android/aosp/razorg-lmy48x-factory-0d952c83.zip</a> )	0d952c83d9cfd3547a027af5f418f4a3b22cb172e727f03

5.1.1 (LMY48Z)	<a href="https://dl.google.com/dl/android/aosp/razorg-lmy48z-factory-9a4845b2.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-lmy48z-factory-9a4845b2.zip)	9a4845b2481e1ee24403c77c90daeee04d71ee3233ebec
6.0.0 (MRA58K)	<a href="https://dl.google.com/dl/android/aosp/razorg-mra58k-factory-0f5a7c20.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mra58k-factory-0f5a7c20.zip)	0f5a7c205a5ba7b386266c76c40d0d51a73f87ef246004
6.0.0 (MRA58N)	<a href="https://dl.google.com/dl/android/aosp/razorg-mra58n-factory-53fbc37c.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mra58n-factory-53fbc37c.zip)	53fbc37c464be17d00dc4968a390269379b3135cdfeccf8
6.0.0 (MRA58V)	<a href="https://dl.google.com/dl/android/aosp/razorg-mra58v-factory-0811c13a.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mra58v-factory-0811c13a.zip)	0811c13a4bc348c21de5168c54d996688705c6f554ecd6
6.0.0 (MRA59B)	<a href="https://dl.google.com/dl/android/aosp/razorg-mra59b-factory-f4950bb4.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mra59b-factory-f4950bb4.zip)	f4950bb48808f27624239600705eec295d8edc77a9c741
6.0.1 (MMB29K)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb29k-factory-6cb8af22.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb29k-factory-6cb8af22.zip)	6cb8af22ab0e42f33fa74366d57987f4e84949f8700c32c
6.0.1 (MMB29O)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb29o-factory-eae67311.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb29o-factory-eae67311.zip)	eae673113adc18432111bbb3e28ccbc8d8de63dd58490
6.0.1 (MMB29Q)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb29q-factory-167e1d08.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb29q-factory-167e1d08.zip)	167e1d08d587492e6fb80b8e9f0b4f7045e8e10dd0cd0f0
6.0.1 (MMB29V)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb29v-factory-f3e59c6e.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb29v-factory-f3e59c6e.zip)	f3e59c6ee78d6e2a6bd14ffa8b6b9fc0a9fc47b3d52558f6
6.0.1 (MMB29X)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb29x-factory-ae0af307.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb29x-factory-ae0af307.zip)	ae0af3077a350f6e5b4e8b44089909b288cc6fd6129e502
6.0.1 (MOB30D)	<a href="https://dl.google.com/dl/android/aosp/razorg-mob30d-factory-49fcc079.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mob30d-factory-49fcc079.zip)	49fcc07944e8602afb975b96e9a1f92657d084b01856f82
6.0.1 (MMB30H)	<a href="#">Link</a>	fa562bcf201ee6c745151af8c12d21aea56b6995427136b



	(https://dl.google.com/dl/android/aosp/razorg-mmb30h-factory-fa562bcf.zip)	
6.0.1 (MOB30J)	<a href="https://dl.google.com/dl/android/aosp/razorg-mob30j-factory-d191030c.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mob30j-factory-d191030c.zip)	d191030cab8aed8cc3af16f5e6d4d8abb8c1151d54155b
6.0.1 (MMB30J)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb30j-factory-38dd789f.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb30j-factory-38dd789f.zip)	38dd789f2827beabc3200c7ca5f2e4bc2c0d4e023c0689
6.0.1 (MOB30M)	<a href="https://dl.google.com/dl/android/aosp/razorg-mob30m-factory-4cd6548f.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mob30m-factory-4cd6548f.zip)	4cd6548fff3c6440b2e903f50209bfc1510f2ef91d9214e3
6.0.1 (MMB30M)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb30m-factory-e6005833.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb30m-factory-e6005833.zip)	e600583325a4d50dce17c3aa9f3f7c7a875344d65b3b1a
6.0.1 (MOB30P)	<a href="https://dl.google.com/dl/android/aosp/razorg-mob30p-factory-4bece435.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mob30p-factory-4bece435.zip)	4bece43545381a49428d96708de0933c755b3433c45d7
6.0.1 (MMB30S)	<a href="https://dl.google.com/dl/android/aosp/razorg-mmb30s-factory-091a2b26.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mmb30s-factory-091a2b26.zip)	091a2b263e7f71ecab03d7bed5c58333bdab16fb085646
6.0.1 (MOB30X)	<a href="https://dl.google.com/dl/android/aosp/razorg-mob30x-factory-10b7ca08.zip">Link</a> (https://dl.google.com/dl/android/aosp/razorg-mob30x-factory-10b7ca08.zip)	10b7ca083e4c0ce193904faca8841594f680e61b63da7e

## "mantaray" for Nexus 10

Version	Download	SHA-256 Checksum
4.2.2 (JDQ39)	<a href="https://dl.google.com/dl/android/aosp/mantaray-jdq39-factory-f36846bb.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-jdq39-factory-f36846bb.zip)	f36846bb4b228d01d208a99b6c02f5f2f6cf9e8034510
4.3 (JWR66Y)	<a href="https://dl.google.com/dl/android/aosp/mantaray-jwr66y-factory-af9fdf29.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-jwr66y-factory-af9fdf29.zip)	af9fdf296e084ba904bcc0849746d15f3864a6524676a

4.4 (KRT16S)	<a href="https://dl.google.com/dl/android/aosp/mantaray-krt16s-factory-ffbec876.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-krt16s-factory-ffbec876.zip)	ffbec876b1b687833ac386b3b2c97d8a2b5d02deec95
4.4.2 (KOT49H)	<a href="https://dl.google.com/dl/android/aosp/mantaray-kot49h-factory-31e93f8d.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-kot49h-factory-31e93f8d.zip)	31e93f8d2f09408ae5981a38db83705e8181f79a749d
4.4.3 (KTU84L)	<a href="https://dl.google.com/dl/android/aosp/mantaray-ktu84l-factory-da64399f.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-ktu84l-factory-da64399f.zip)	da64399fd39a24232cec93b89427248df0845f9f41867
4.4.4 (KTU84P)	<a href="https://dl.google.com/dl/android/aosp/mantaray-ktu84p-factory-21949d5d.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-ktu84p-factory-21949d5d.zip)	21949d5d54356388c4b97493817a40f6b3aa82d423e2
5.0 (LRX21P)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lrx21p-factory-0ba5bf74.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lrx21p-factory-0ba5bf74.zip)	0ba5bf74c2999280f06cdf7e8e61b07c43dd5b0e21cb
5.0.1 (LRX22C)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lrx22c-factory-ac6bdf60.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lrx22c-factory-ac6bdf60.zip)	ac6bdf60e1db208fbaf34c0adc214a9857c67db28a0ba
5.0.2 (LRX22G)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lrx22g-factory-7f1af28e.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lrx22g-factory-7f1af28e.zip)	7f1af28ea70841e1bc602187cc7ee3f5531aa90e730d5
5.1.0 (LMY47D)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lmy47d-factory-00f8e48a.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lmy47d-factory-00f8e48a.zip)	00f8e48aae783941d7f41254d887c444402f0d624b69f
5.1.1 (LMY47V)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lmy47v-factory-66a84c65.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lmy47v-factory-66a84c65.zip)	66a84c659286a9ea44a192e125bdd202d48573fcbf85
5.1.1 (LMY48I)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lmy48i-factory-0fa0cdbbc.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lmy48i-factory-0fa0cdbbc.zip)	0fa0cdbbc470db4a0379596c68e1579da3eb607a38aa1
5.1.1 (LMY48M)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lmy48m-factory-7fefa227.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lmy48m-factory-7fefa227.zip)	7fefa227f288d54814d2ce15740cb51f5fe887b4b1fe82
5.1.1 (LMY48T)	<a href="https://dl.google.com/dl/android/aosp/mantaray-lmy48t-factory-6393672b.zip">Link</a> (https://dl.google.com/dl/android/aosp/mantaray-lmy48t-factory-6393672b.zip)	6393672b4dd1f2f97a3e5788efcfdb6a5730c6968b06f

5.1.1	<a href="#">Link</a>	f16fd70b3b93c47d2c73e3cbc813d8f9f7e64426ba165
(LMY48X)	(https://dl.google.com/dl/android/aosp/mantaray-lmy48x-factory-f16fd70b.zip)	
5.1.1	<a href="#">Link</a>	335473d6a8bd4e908384c7d95994c205a8ed37ce5308
(LMY48Z)	(https://dl.google.com/dl/android/aosp/mantaray-lmy48z-factory-335473d6.zip)	
5.1.1	<a href="#">Link</a>	c079e4a5933798325e6dad6ca596ace2df9eff3c1b06f
(LMY49F)	(https://dl.google.com/dl/android/aosp/mantaray-lmy49f-factory-c079e4a5.zip)	
5.1.1	<a href="#">Link</a>	d68cbae5f3dd41325a7112f913ac5d8e18364b740527
(LMY49G)	(https://dl.google.com/dl/android/aosp/mantaray-lmy49g-factory-d68cbae5.zip)	
5.1.1	<a href="#">Link</a>	ee7b7ce5e953227990a30aee0df47ec56ca175c0e437
(LMY49H)	(https://dl.google.com/dl/android/aosp/mantaray-lmy49h-factory-ee7b7ce5.zip)	
5.1.1	<a href="#">Link</a>	b24f40e64a1c7e4a986be9596223737fb2fe0fb739160
(LMY49J)	(https://dl.google.com/dl/android/aosp/mantaray-lmy49j-factory-b24f40e6.zip)	

## "occam" for Nexus 4

Version	Download	SHA-256 Checksum
4.2.2	<a href="#">Link</a>	5880aa93a1b14397b8162d4c4936267b52cac94035bc53
(JDQ39)	(https://dl.google.com/dl/android/aosp/occam-jdq39-factory-5880aa93.zip)	
4.3	<a href="#">Link</a>	2b869d2f61c53a6018b48d13dfb3078bbd87ac79bba333
(JWR66Y)	(https://dl.google.com/dl/android/aosp/occam-jwr66y-factory-2b869d2f.zip)	
4.4	<a href="#">Link</a>	3fb36835bf216b0d1426db5455ba7c435535b31b28dc1b
(KRT16S)	(https://dl.google.com/dl/android/aosp/occam-krt16s-factory-3fb36835.zip)	

4.4.2 (KOT49H)	<a href="https://dl.google.com/dl/android/aosp/occam-kot49h-factory-e859c810.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-kot49h-factory-e859c810.zip)	e859c810cb053b55e95e9663a33fe0175b5a388435d5d0
4.4.3 (KTU84L)	<a href="https://dl.google.com/dl/android/aosp/occam-ktu84l-factory-6e75c072.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-ktu84l-factory-6e75c072.zip)	6e75c072c9f4ece87e1bc4094b397bf86f4baf9b2141effd
4.4.4 (KTU84P)	<a href="https://dl.google.com/dl/android/aosp/occam-ktu84p-factory-2373a541.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-ktu84p-factory-2373a541.zip)	2373a5419f8e1f35f05f916d9ad2979b106b03193c3906e
5.0 (LRX21T)	<a href="https://dl.google.com/dl/android/aosp/occam-lrx21t-factory-96341e4d.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-lrx21t-factory-96341e4d.zip)	96341e4d26586141f404a293345d0fc0483b4a9b5654eb
5.0.1 (LRX22C)	<a href="https://dl.google.com/dl/android/aosp/occam-lrx22c-factory-3657b013.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-lrx22c-factory-3657b013.zip)	3657b013b097a893d5a84bcdb43093ba463f44abc79268
5.1.0 (LMY47O)	<a href="https://dl.google.com/dl/android/aosp/occam-lmy47o-factory-41497579.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-lmy47o-factory-41497579.zip)	414975799076d8f6997d2b028e84c9dd5ac9eb45ca4410
5.1.1 (LMY47V)	<a href="https://dl.google.com/dl/android/aosp/occam-lmy47v-factory-85f8c9ff.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-lmy47v-factory-85f8c9ff.zip)	85f8c9ff82f2eb60abacc9abacac19b3a837c044a974bc2f
5.1.1 (LMY48I)	<a href="https://dl.google.com/dl/android/aosp/occam-lmy48i-factory-f0ac517a.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-lmy48i-factory-f0ac517a.zip)	f0ac517ad0ff8261fae610bec4e9f145d99a078fe066e406
5.1.1 (LMY48M)	<a href="https://dl.google.com/dl/android/aosp/occam-lmy48m-factory-791d6c4a.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-lmy48m-factory-791d6c4a.zip)	791d6c4a716ceadbb830d67db823f377067becd2eca6da
5.1.1 (LMY48T)	<a href="https://dl.google.com/dl/android/aosp/occam-lmy48t-factory-c43c7cfd.zip">Link</a> (https://dl.google.com/dl/android/aosp/occam-lmy48t-factory-c43c7cfd.zip)	c43c7cfd7e77ae97dad0c2e0f3810f84bc5e2ca3b4dc742

"nakasi" for Nexus 7 (Wi-Fi)

Version Download		SHA-256 Checksum
4.1.2 (JZO54K)	<a href="https://dl.google.com/dl/android/aosp/nakasi-jzo54k-factory-25cab35c.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-jzo54k-factory-25cab35c.zip)	25cab35cfc81a7d92679deece485590dd62070882124149
4.2.2 (JDQ39)	<a href="https://dl.google.com/dl/android/aosp/nakasi-jdq39-factory-1ed5719b.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-jdq39-factory-1ed5719b.zip)	1ed5719bbf2a709f090f8d1da5c3afc62d6fcb381ee2559f
4.3 (JWR66Y)	<a href="https://dl.google.com/dl/android/aosp/nakasi-jwr66y-factory-201de0b2.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-jwr66y-factory-201de0b2.zip)	201de0b22cac0d5c8d51b249bf85dbe803b9a63b3eb1a7c
4.4 (KRT16S)	<a href="https://dl.google.com/dl/android/aosp/nakasi-krt16s-factory-7e5a4463.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-krt16s-factory-7e5a4463.zip)	7e5a44631d7f7df7312c52fedd5fdd5ec4a2d94a99d173c8
4.4.2 (KOT49H)	<a href="https://dl.google.com/dl/android/aosp/nakasi-kot49h-factory-f0e49b7a.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-kot49h-factory-f0e49b7a.zip)	f0e49b7a6a4bbe82019a60b919a75c9c18425c869e5de95
4.4.3 (KTU84L)	<a href="https://dl.google.com/dl/android/aosp/nakasi-ktu84l-factory-93385880.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-ktu84l-factory-93385880.zip)	933858800b0fa94d2ee2289506c10065e2be9570852d84
4.4.4 (KTU84P)	<a href="https://dl.google.com/dl/android/aosp/nakasi-ktu84p-factory-9482e892.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-ktu84p-factory-9482e892.zip)	9482e892e274e27cc18028e82e206b2e9de82f17cd29ea6
5.0 (LRX21P)	<a href="https://dl.google.com/dl/android/aosp/nakasi-lrx21p-factory-7d66743e.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-lrx21p-factory-7d66743e.zip)	7d66743ed60fba0d83a44513c7a98e912302fa5c1f5634c
5.0.2 (LRX22G)	<a href="https://dl.google.com/dl/android/aosp/nakasi-lrx22g-factory-386f8be2.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-lrx22g-factory-386f8be2.zip)	386f8be2ae4ca68486535130f19eae68c93c59c770ea3e1
5.1.0 (LMY47D)	<a href="https://dl.google.com/dl/android/aosp/nakasi-lmy47d-factory-7f853a00.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-lmy47d-factory-7f853a00.zip)	7f853a00ac20643c216e28f220a34c14024404240c9dd5f
5.1.1 (LMY47V)	<a href="https://dl.google.com/dl/android/aosp/nakasi-lmy47v-factory-5a0bb059.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasi-lmy47v-factory-5a0bb059.zip)	5a0bb0593ee9867bee61d59e94462e681c050da9db1397

# "nakasig" for Nexus 7 (Mobile)

Version	Download	SHA-256 Checksum
4.2.2 (JDQ39)	<a href="https://dl.google.com/dl/android/aosp/nakasig-jdq39-factory-3ec66003.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-jdq39-factory-3ec66003.zip)	3ec660030b502a34bb2ed037eff55c79545b9b11f0bcf5f
4.3 (JWR66Y)	<a href="https://dl.google.com/dl/android/aosp/nakasig-jwr66y-factory-cd7ba7a0.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-jwr66y-factory-cd7ba7a0.zip)	cd7ba7a0af525ba276442ad6d061f1cdb1a00daba8165f
4.4 (KRT16S)	<a href="https://dl.google.com/dl/android/aosp/nakasig-krt16s-factory-e2560231.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-krt16s-factory-e2560231.zip)	e25602316aa198ac6afddb40c5758749b5b47e4574b328
4.4.2 (KOT49H)	<a href="https://dl.google.com/dl/android/aosp/nakasig-kot49h-factory-62469636.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-kot49h-factory-62469636.zip)	624696368457946bce4b34a42759ab35ba1e226ffbfde5
4.4.3 (KTU84L)	<a href="https://dl.google.com/dl/android/aosp/nakasig-ktu84l-factory-d2e16b2a.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-ktu84l-factory-d2e16b2a.zip)	d2e16b2a7c81d1f6cea2a60f61cfa983cf181cdbb6224b4
4.4.4 (KTU84P)	<a href="https://dl.google.com/dl/android/aosp/nakasig-ktu84p-factory-ddaf3885.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-ktu84p-factory-ddaf3885.zip)	ddaf388582775b569539a43791f94cb6b3475559864ee4
5.0.2 (LRX22G)	<a href="https://dl.google.com/dl/android/aosp/nakasig-lrx22g-factory-bbbbc5d72.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-lrx22g-factory-bbbbc5d72.zip)	bbbc5d726de1af4c524830a39de4431c17531b4affab3b
5.1.0 (LMY47D)	<a href="https://dl.google.com/dl/android/aosp/nakasig-lmy47d-factory-3cccf586.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-lmy47d-factory-3cccf586.zip)	3cccf586cea8a8117e6577d73f41d093e7450d33157e87
5.1.1 (LMY47V)	<a href="https://dl.google.com/dl/android/aosp/nakasig-lmy47v-factory-f96fcd16.zip">Link</a> (https://dl.google.com/dl/android/aosp/nakasig-lmy47v-factory-f96fcd16.zip)	f96fcd164f2ef8f1d7c88efd553b6b7193fe56326e5ad482

# "tungsten" for Nexus Q



Version	Download	SHA-256 Checksum
4.0.4	<a href="#">Link</a> (IAN67K) (https://dl.google.com/dl/android/aosp/tungsten-ian67k-factory-d766e5f1.zip)	d766e5f1eb7cd276864bb255593279788a4c44a393590

## "takju" for Galaxy Nexus "maguro" (GSM/HSPA+) (with Google Wallet)

Version	Download	SHA-256 Checksum
4.0.4	<a href="#">Link</a> (IMM76I) (https://dl.google.com/dl/android/aosp/takju-imm76i-factory-1c4370b4.zip)	1c4370b411bd23179277e8bc42f1eb8c9a344980bf30e305
4.1.2	<a href="#">Link</a> (JZO54K) (https://dl.google.com/dl/android/aosp/takju-jzo54k-factory-50c467ac.zip)	50c467acdc6e7d512663ac587207a0b1eadb762e5d66afbc
4.2.2	<a href="#">Link</a> (JDQ39) (https://dl.google.com/dl/android/aosp/takju-jdq39-factory-4bf9521a.zip)	4bf9521a436e3d1db194a5e1837729088a4a5ad1e57ea09b
4.3	<a href="#">Link</a> (JWR66Y) (https://dl.google.com/dl/android/aosp/takju-jwr66y-factory-c042afa0.zip)	c042afa00fbfaf547ff767dfa9f72df1421525c1e3dbc77fa58

## "yakju" for Galaxy Nexus "maguro" (GSM/HSPA+)

Version	Download	SHA-256 Checksum
4.0.4	<a href="#">Link</a> (IMM76I) (https://dl.google.com/dl/android/aosp/yakju-imm76i-factory-7e04639e.zip)	7e04639eee9459a94ee4ae7d1675e5a857bbf89ce36f4140

4.1.2	<a href="#">Link</a>	d75228cffdc9d0f88d6ed9c63f79c35123269a1ed860df305
(JZO54K)	( <a href="https://dl.google.com/dl/android/aosp/yakju-jzo54k-factory-d75228cf.zip">https://dl.google.com/dl/android/aosp/yakju-jzo54k-factory-d75228cf.zip</a> )	
4.2.2	<a href="#">Link</a>	6f07b0690a3853fb7bd9915be2ea38525486c9fa0c474dac
(JDQ39)	( <a href="https://dl.google.com/dl/android/aosp/yakju-jdq39-factory-6f07b069.zip">https://dl.google.com/dl/android/aosp/yakju-jdq39-factory-6f07b069.zip</a> )	
4.3	<a href="#">Link</a>	4cadea65393c1cc6f2a61232001fc34a37d4a8c95c2439ad
(JWR66Y)	( <a href="https://dl.google.com/dl/android/aosp/yakju-jwr66y-factory-4cadea65.zip">https://dl.google.com/dl/android/aosp/yakju-jwr66y-factory-4cadea65.zip</a> )	

## "mysid" for Galaxy Nexus "toro" (Verizon CDMA/LTE)

Version	Download	SHA-256 Checksum
4.0.4	<a href="#">Link</a>	09d74d643fd37411efeb66050883de389142788c8eccbd3
(IMM76K)	( <a href="https://dl.google.com/dl/android/aosp/mysid-imm76k-factory-09d74d64.zip">https://dl.google.com/dl/android/aosp/mysid-imm76k-factory-09d74d64.zip</a> )	
4.1.1	<a href="#">Link</a>	1cc98d314f94cc873853831936d00f9cab9be774f8b78fc5
(JRO03O)	( <a href="https://dl.google.com/dl/android/aosp/mysid-jro03o-factory-1cc98d31.zip">https://dl.google.com/dl/android/aosp/mysid-jro03o-factory-1cc98d31.zip</a> )	
4.2.2	<a href="#">Link</a>	335d5931c3860e37748e26d719e9d18e5baf9e9f0bd2af9a
(JDQ39)	( <a href="https://dl.google.com/dl/android/aosp/mysid-jdq39-factory-335d5931.zip">https://dl.google.com/dl/android/aosp/mysid-jdq39-factory-335d5931.zip</a> )	

## "mysidspr" for Galaxy Nexus "toroplus" (Sprint CDMA/LTE)

Version	Download	SHA-256 Checksum
4.1.1	<a href="#">Link</a>	ff03148b27757fb7e83dc6a545f51ddc8b808e612406cf9
(FH05)	( <a href="https://dl.google.com/dl/android/aosp/mysidspr-fh05-factory-ff03148b.zip">https://dl.google.com/dl/android/aosp/mysidspr-fh05-factory-ff03148b.zip</a> )	

4.2.1	<a href="#">Link</a>	063123bd699b1dfaef38591ad44bba453df1765051e7ee
(GA02)	( <a href="https://dl.google.com/dl/android/aosp/mysidspr-ga02-factory-063123bd.zip">https://dl.google.com/dl/android/aosp/mysidspr-ga02-factory-063123bd.zip</a> )	

## "soju" for Nexus S (worldwide version, i9020t and i9023)

Version	Download	SHA-256 Checksum
2.3.6	<a href="#">Link</a>	8e2837843881e0848d8307f01eaefb1489762e6eeda36f628
(GRK39F)	( <a href="https://dl.google.com/dl/android/aosp/soju-grk39f-factory-8e283784.zip">https://dl.google.com/dl/android/aosp/soju-grk39f-factory-8e283784.zip</a> )	
4.0.4	<a href="#">Link</a>	c6e0efe396c9e1bc9f932926b4c439fecc56f624c6c9bee920
(IMM76D)	( <a href="https://dl.google.com/dl/android/aosp/soju-imm76d-factory-c6e0efe3.zip">https://dl.google.com/dl/android/aosp/soju-imm76d-factory-c6e0efe3.zip</a> )	
4.1.2	<a href="#">Link</a>	3534fc3ecd8d9742791f18d6e427ba342db6adacbfbe3c5f1f
(JZO54K)	( <a href="https://dl.google.com/dl/android/aosp/soju-jzo54k-factory-3534fc3e.zip">https://dl.google.com/dl/android/aosp/soju-jzo54k-factory-3534fc3e.zip</a> )	

## "sojua" for Nexus S (850MHz version, i9020a)

Version	Download	SHA-256 Checksum
2.3.6	<a href="#">Link</a>	cad4ab8aab10b37467795b0e7ddde6d63360ed9c6f27a20
(GRK39F)	( <a href="https://dl.google.com/dl/android/aosp/sojua-grk39f-factory-cad4ab8a.zip">https://dl.google.com/dl/android/aosp/sojua-grk39f-factory-cad4ab8a.zip</a> )	
4.0.4	<a href="#">Link</a>	174c6bd19aa4e0d56187f64d09bdc595e601a4f48c048630
(IMM76D)	( <a href="https://dl.google.com/dl/android/aosp/sojua-imm76d-factory-174c6bd1.zip">https://dl.google.com/dl/android/aosp/sojua-imm76d-factory-174c6bd1.zip</a> )	
4.1.2	<a href="#">Link</a>	860d072998c6a5764a5c3b7d3a2c266615959751d550077
(JZO54K)	( <a href="https://dl.google.com/dl/android/aosp/sojua-jzo54k-factory-860d0729.zip">https://dl.google.com/dl/android/aosp/sojua-jzo54k-factory-860d0729.zip</a> )	

## "sojuk" for Nexus S (Korea version, m200)

Version	Download	SHA-256 Checksum
2.3.6 (GRK39F)	<a href="https://dl.google.com/dl/android/aosp/sojuk-grk39f-factory-3910e795.zip">Link</a> (https://dl.google.com/dl/android/aosp/sojuk-grk39f-factory-3910e795.zip)	3910e795e66e3e5beb74e6246ac1b59280a2abaea3d99b8
4.0.4 (IMM76D)	<a href="https://dl.google.com/dl/android/aosp/sojuk-imm76d-factory-9a5468c1.zip">Link</a> (https://dl.google.com/dl/android/aosp/sojuk-imm76d-factory-9a5468c1.zip)	9a5468c1aeaa201bf42553b86e6bbf83eefd237e540c13c9f
4.1.1 (JRO03E)	<a href="https://dl.google.com/dl/android/aosp/sojuk-jro03e-factory-176dca0a.zip">Link</a> (https://dl.google.com/dl/android/aosp/sojuk-jro03e-factory-176dca0a.zip)	176dca0aacb4601ed67961a4ab3b32714a93ec608adf3f4e

## "sojus" for Nexus S 4G (d720)

Version	Download	SHA-256 Checksum
2.3.7 (GWK74)	<a href="https://dl.google.com/dl/android/aosp/sojus-gwk74-factory-fe1fe884.zip">Link</a> (https://dl.google.com/dl/android/aosp/sojus-gwk74-factory-fe1fe884.zip)	fe1fe8846d8b8e3642a5b303cb20b9aefd6e46e9f5ad142a7
4.0.4 (IMM76D)	<a href="https://dl.google.com/dl/android/aosp/sojus-imm76d-factory-e4190dff.zip">Link</a> (https://dl.google.com/dl/android/aosp/sojus-imm76d-factory-e4190dff.zip)	e4190dff02df6cda7c4109c76ccf758071ab03f87d48720c9
4.1.1 (JRO03R)	<a href="https://dl.google.com/dl/android/aosp/sojus-jro03r-factory-b7868911.zip">Link</a> (https://dl.google.com/dl/android/aosp/sojus-jro03r-factory-b7868911.zip)	b78689114651587d1ff34ab4d3af9dc0885da3c6f70807e4f

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