Factory Images for Nexus Devices

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

These files are for use only on your personal Nexus 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.

Flashing Instructions

To flash a device using one of the system images below (or one of your own), you need the `fastboot` tool. You can get the `fastboot` tool either:

- From a compiled version of the the Android Open Source Project.
- Or, from the `platform-tools/` directory in the Android SDK. Be sure that you have the latest version of the **Android SDK Platform-tools** from the SDK Manager.

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 the Using Hardware Devices guide.

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: 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 <u>key combination</u> for your device. For example, to put a Nexus 5 ("hammerhead") into fastboot mode, press and hold Volume Up + Volume Down + Power as the device begins booting up.

4. If necessary, unlock the device's bootloader by running:

`fastboot oem unlock`

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

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 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.

"shamu" for Nexus 6

Version	Download	MD5 Checksum	SHA-1 Checksum
5.0 (LRX21O)	Link	af4520213c1a3e2b3dd811aef030b87b	e028f5eab0952d0df60c63d6095b56c1c6f8e4
5.0.1 (LRX22C)	Link	a95f291164b5b438b5fc9e77c222d703	ff173fc66eca5a27b34ae28a9b69f9ad7f4d3b8
5.1.0 (LMY47D)	Link	4d99d16bae3c5a638268731a5d27062e	6c44d4021142ffaa2197fb1308996a8846a79e
5.1.0 (LMY47E)	Link	7c50606b7d68ddd1b8a81d544ec59aff	cf3131641c2bda2eba54bcc0108ce0325327f5
5.1.0 (LMY47I)	Link	d6e750e58938de3b8516a4718c491d9c	c8afc588e44ec087e8b98c1d6ed3ed565a9b9

5.1.0 (For T-Mobile ONLY) (LMY47M)	Link	0469ca2018c923498cc603baae4fd648	5228e84a8a03609ead6b55df569057d5a4e28
5.1.1 (All carriers except T-Mobile US) (LMY47Z)	Link	c8fe950ad9e861120a1074825b92cfba	33951732896055848d17b3876d8a39b79fb95
5.1.1 (For T-Mobile ONLY) (LYZ28E)	Link	9ea32a7ff1751afa2a16214ac23ef000	b542b88a0ad478110f9f111dd32b62a1cb65b9
5.1.1 (For Project Fi ONLY) (LVY48C)	Link	ddd0e4006ebdd04060be9a28a835adb04b92ce24903b2139e3eca759c18c4544357d0
5.1.1 (LMY48I)	Link	a60091da8140fff4a06df7616015f83d	230e50fe59a7a008e0a0cc6bd4bd2bda133b2
5.1.1 (For T-Mobile ONLY) (LYZ28J)	Link	973e17d86f4c89750c47f4f22e0223e2	0530e1e3272d3e309d1d75a19b1018a20cf3a
5.1.1 (For Project Fi ONLY) (LVY48E)	Link	dac870a68f16aad0d71bf6286ed8bbe6	5e7c69dae2d2b2c8b3fdb68657b04f29eed732
5.1.1 (LMY48M)	Link	11af8ee7c98ecaa2e405318007260e1e	336efdae12c11f95b677fbce0bdbce3acf4847a
5.1.1 (For T-Mobile ONLY) (LYZ28K)	Link	f1e4ba2e72aa1151f807415378e5b5e5	665a20f2530551eccbfa4e3554339f89a64457
5.1.1 (For Project Fi ONLY) (LVY48F)	Link	cb3d0d3fbee9fd2c024ad049accc3915	8a2a6bd86b074315010c93a59571136681e43

"fugu" for Nexus Player

Version	Download	MD5 Checksum	SHA-1 Checksum
5.0 (LRX21M)	Link	b5380180959cdf8b99a24339b4800b64	aeed3bef8331aba50c94c188ce3753d3ae9afd
5.0 (LRX21V)	Link	a2cae7a974c428509a40d2be4a449bca	64050f476442dd5edfacd7e3762428989a121a
5.1.0 (LMY47D)	Link	fcac81600cb3821a898bf07a5f742822	f6d66f35cb46986634381d22ab52947cb94df0
5.1.1 (LMY47V)	Link	4cdca0afb82031d3ee36ca8d8bea28f3	d83f363e7442623ca3a59636c35af683c3406d
5.1.1 (LMY48J)	Link	ea39d8b5a3e726d5484108f677560ea7	dd317a9b334a7e5ffd936bfbe3846713d482b6
5.1.1 (LMY48N)	Link	a9eaf451c72cce25088ccbf0f9be5e7b	3b9d863846ead829a4ababe862ea98d95d9d6

"volantisg" for Nexus 9 (LTE)

Version	Download	MD5 Checksum	SHA-1 Checksum
5.0.1 (LRX22C)	Link	f9c3b362822f3b9367f13b3591d8b443	a966874902e6883c31014eae4d777405194f8
5.0.2 (LRX22L)	Link	19063968da4ec68f6835f014573d2612	b65cdb0fc65fc20c78cec0a43349f334274e6a
5.1.1 (LMY47X)	Link	51f125025bd8cfad5ee90ae319ee869a	0adc301657dbc03e2426bac292bb9d102b9c8
5.1.1 (LMY48I)	Link	a1b5d8832111fb20a48b262a623fafa4	77cd6bfa68ad5247ec6ce0c7bfea3b893cd5c4
5.1.1 (LMY48M)	Link	6763b300481f5499e52bbd31b203f501	bcd49c4e9f0a912026065074c89d1bbbd8cbca

"volantis" for Nexus 9 (Wi-Fi)

Version	Download	MD5 Checksum	SHA-1 Checksum
5.0 (LRX21Q)	Link	ca260abbae585dbe8c8e2a99827611ad	10521789e1fbabc8263c59530e291e3f135d4e
5.0 (LRX21R)	Link	a3344dfb28431b55f8696219d0f1d526	ac87eba26bb98052ae4b1b1f913e876e56a9bf
5.0.1 (LRX22C)	Link	c70966e48facf5ccd4d11709e9359e67	8d83cd9b07c5927685498a174ffc4f3dfee7309
5.0.2 (LRX22L)	Link	d72005e6ef45c17c61a10d1babffc6c7	62276615dc927a0ef78f493e4ea1cd085482fe
5.1.1 (LMY47X)	Link	a63624b4b42caf1d8327c4e19d7005e5	3efdc8d4b20090325244b0f5c3daa9595ec7a6
5.1.1 (LMY48I)	Link	125f41e260736935d4c1c8e74a6ba3cc	01106fec9b55551dfd58d38c03423288f5bb5f1
5.1.1 (LMY48M)	Link	6c6ccd7d96514ba1090ec8cf4bda7365	3ae75e8e444123e4c9c22b755e16e5bcc5652

"hammerhead" for Nexus 5 (GSM/LTE)

Version	Download	MD5 Checksum	SHA-1 Checksum
4.4 (KRT16M)	Link	36aa82ab2d7d05ee144d18546565cd5f	bd9c39ded5dc0ac80c4e96d24db060a660
4.4.2 (KOT49H)	Link	fa3bdfbef24c25b48d4969e0925bc600	02006b9917ae3f470d29644023b7c843ec
4.4.3 (KTU84M)	Link	34a201b32259aadcc8c4879e45c1575c	53ff95bf3912814b745e65cab6bc111bde9
4.4.4 (KTU84P)	Link	d450411b40a6e60884c8e419bd50db2b	35ea0277bd6a8fc928b47256bfa97b2eed6
4.4.4 Release 2 (For 2Degrees/NZ, Telstra/AUS and India ONLY) (KTU84Q)	Link	b079669398b128dfed4cab3d0471241f	ae4752935beebeeffdba4937c8a729bb57f

5.0 (LRX21O)	Link	761667f1ddaf4e38d4792136df4ab927	01315e08c7f282452b5eba0606dd5a2d52
5.0.1 (LRX22C)	Link	f769bb85b7a82c1b4f7cc88f0d42129d	0f9eda1b8c801bec45f762c96121e7ae905
5.1.0 (LMY47D)	Link	021fa0ed4946e0c7e70e39da301e5a34	6c1ad81eb8b90b329da5ed534af6ef18dea
5.1.0 (LMY47I)	Link	d78c50bc06fe37a19536cbca0a17394a	df127988e25758e683d53df9767cc799ee1
5.1.1 (LMY48B)	Link	2002e1b813921b1dfc67aca09c30a171	596bb9c125525ce5baf4762a1cac6f5880c
5.1.1 (LMY48I)	Link	c513af4e908a74545ad5a19cfd54d6f3	a38c34411f2be783d7fe6dd3b873853db06
5.1.1 (LMY48M)	Link	8eb950a77a3769070600c93b9572e5c0bf3c82fde083b864e11034a59db4d53a605	

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

Version	Download	MD5 Checksum	SHA-1 Checksum
4.3 (JSS15Q)	Link	c2a6413aee5a9737f1bcc3c3fe445e18	4f77b811495ea26c996042cb4f87918737ceb
4.3 (JSS15R)	Link	26e2883d19ad5517f9dc36c6adb7da4c	ec2d4f762366f2b68f81e6e15fbba3914d0204
4.4 (KRT16S)	Link	5f5a9145ded2ec923ce6fc80152b7468	7235eb0d1a967e8b37a38fe76764812c985b4
4.4.2 (KOT49H)	Link	f8c9bf847eff964d268b080cb4de8006	ebb4918ec70fef5a0ab11d08921f988a11f9a5
4.4.3 (KTU84L)	Link	6fe66de2dc355a22f1cdb39068ecc48d	afe3afc8aeabafb5148cb7451671f3dfddff7e4
4.4.4 (KTU84P)	Link	021d076a64d7263a2f206ce899b992a9	b1b2c0da6d44d09f4d2910dee2193438c20b5
5.0 (LRX21P)	Link	fd868b03bd00074dd7f70e31ad73b25a	ba55c6ab81ca7776e3ae870f7f71dae70fac10
5.0.1 (LRX22C)	Link	d8541e7ad32533d15fb528559b8f530c	a9c6e55ff567842c3cd2a8c586e4191f68e87a

5.0.2 (LRX22G)	Link	71300655334d064dabca2e5638d50fb8	bff2093e0af21587e549dd05f73520646c86a3
5.1.0 (LMY47O)	Link	506fe0431f090502986503212adac50c	ae3d97f9c5c1f3ea55ae35eaf1ee3149f28b6c2
5.1.1 (LMY47V)	Link	8f67c89077fda58881287f0a8109ba7c	a58e6175f4fa5803ad3ec4bbb21adf3e1af823
5.1.1 (LMY48G)	Link	3c12a9ad1a977925dc66fcad203cb69b	9f37ae5f864c1528f31ab2ebec00da4242412d
5.1.1 (LMY48I)	Link	8b0c4279b4012d1545040313079183750	d0f2266b75bfaa236cb4cfee855312b2894092
5.1.1 (LMY48M)	Link	2a7430b0b0af7ca8fe93b3e6f6f7f548	7c77e178b26182fa9657be612e4fdb49ae4730

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

Version	Download	MD5 Checksum	SHA-1 Checksum
4.3 (JLS36C)	Link	186e8ac3b198276289a5ba3e1569a758	fb03a89feb7c60fb7e31e67c587da3c97c2bf56
4.3.1 (JLS36I)	Link	344feabad51d3bedb75a6e4d1d451a75	ecb320cdea2fa980d8a944dd82227bb8f89d58
4.4 (KRT16S)	Link	20bee0445c67aa45c002a14e4bac1d77	bd6c92418035598c0815d19a2b21066d3f6fe9
4.4.2 (KOT49H)	Link	8e42ffe324a9109031dd4f9dd53fdc9a	49789b240cab9a8e91c1f5a3eb0b6be0b07b57
4.4.2_r2 (Verizon) (KVT49L)	Link	2efd400254e657d0b72e698daff7ba4d	65bdbe0a9288802998ac8834341fa2b7a0ecb9
4.4.3 (KTU84L)	Link	c45b4ab74c302227515b77b087bfe0ab	9f9b9ef29a46cdc787d5736107df09eb3606ea
4.4.4 (KTU84P)	Link	c8b48448ed2df8d4b5a328262cfb56e3	f21762aa08f9d15979eee3e109f09c0c7d9fb80
5.0.2 (LRX22G)	Link	bf39ee9b49d977c499eb92ba41b7f0aa	2ce5202c4594b9f9b8459665255a1c09cd47e2
5.1.0	Link	923887906f7b0c94b069730f30a3b047	4fa870e159c392118aa8544eaa358d62d40bbf

(LMY47O)

| 5.1.1 (LMY47V) | Link | be28b9fb24c85e34c5f94194d77b13da | f230ab313b5aef52198a707337bd2fe78f3844: |
| 5.1.1 (LMY48P) | Link | 0df9d9c1d2ebff4e3b5c791f98e2a225 | 8907648a6a6551a4962f881399bddf11ddc03(|

"mantaray" for Nexus 10

Version	Download	MD5 Checksum	SHA-1 Checksum
4.2.2 (JDQ39)	Link	b7a1162fb4e617143306ef6c4ca6c040	d79f489e1001d183b31d8a407b47cd5b8e950
4.3 (JWR66Y)	Link	60d0df743b44aee10f125be8e03e84f2	3d8252dd33af47ff7132734b053dfffbc2b58ce
4.4 (KRT16S)	Link	7b308faf560cedd6970f27fc40828b2e	944139617036fca28848cf0ace67b81f93e08e
4.4.2 (KOT49H)	Link	6812260ac97283bd0053e09a05cd5825	174ba74f19a22c0e96467287c34cb63c6e9f7!
4.4.3 (KTU84L)	Link	bb012d1cbb1fb1bc1a1c391ae19361a7	8fefbb27f5ab8c2c090adf10601e0d9e294bcb(
4.4.4 (KTU84P)	Link	7e453b0601e1aff4823464e8d80e0ec6	74e5299877d9644ff41520d19ef5bc102b5fcd
5.0 (LRX21P)	Link	c9657359fe92126ffc2cb3a967c3b57a	ad2499eabb2b5dd9aae90df92070a0c29769e
5.0.1 (LRX22C)	Link	cb9a94a45dd05d3b52c563fa763129b7	1a7ae5d101fa481896171f41d67c60bc7198d(
5.0.2 (LRX22G)	Link	d054d9eb810e1700bebf2fb24014b3df	81af84cb10710f9c2fbc6a2de9dd14bec600e6
5.1.0 (LMY47D)	Link	43a649017cc8a186d737d3288346d092	63eade7ff5fd705e2e2a72e303da4471cfd386:
5.1.1 (LMY47V)	Link	f48a673f50a703294fa130fac81058b5	91a865a60a316c4c3678141528811138bffafa
5.1.1 (LMY48I)	Link	6770e1a0a018129dda719fa35f9a10a6	6ac8b73b30224c13d5acc19a7d4a909a207d(

| 5.1.1 | Link | 86efa5da8a3ecd957ef10c179214d58a | 20054df4e60d3c725bdc8dfcfa36d2319268060 |
| (LMY48M) | | | |

"occam" for Nexus 4

Version	Download	MD5 Checksum	SHA-1 Checksum
4.2.2 (JDQ39)	Link	6280b61201f961c6541905eb6bcb7316	345dc1995eb9142912f667977fa76977b734fa
4.3 (JWR66Y)	Link	6f6db7729bc6b8089683bc5297a09b93	74b1deab6bf5f64faa9c6d8de23e368e7b5430
4.4 (KRT16S)	Link	e60c3077c9bc9bd106eb3077992f0d6c	2006f4181fed9379522f25da059d658773d106
4.4.2 (KOT49H)	Link	c9d96bbcc0d1edf50011bb4f0d23d36d	02e344deb7bfeb23ffe256f342549528054ff5b
4.4.3 (KTU84L)	Link	9f7e1658eb322685375fc132d575c00e	0d3fd624381084a3a8b6aa3da69791480575a
4.4.4 (KTU84P)	Link	21b7334741aa4987f759e302ef21c393	b6ac3ad66b625f6b347cd854152a221576f843
5.0 (LRX21T)	Link	67aa480781bebc47b70a1e94de5b92e5	51cee750011b6d49a096bbfbbfa41028c829a3
5.0.1 (LRX22C)	Link	64ecce3fff16d82d4135917c39e3ab9a	86c04af6ef87ff873aa085deccf211a66d5183a
5.1.0 (LMY47O)	Link	293a98009cfbcb5d398c05302a86ee8c	cae68e81d5a1758f92b77520f829400da2051
5.1.1 (LMY47V)	Link	be10a86e3b70ec271670f008cc51aa58	b0c4eb3d2289bbb7dbc47ec77ca4be6b657cd
5.1.1 (LMY48I)	Link	b545dd2edfd38fc09bb5c41ca0ce3656	a70487f13cfbf8876eb1f56dff713bf016e8816
5.1.1 (LMY48M)	Link	3dbbc27846757f60b4147c370de9843f	03ae06e597927be6b9d6a4f323a359c4088fc

"nakasi" for Nexus 7 (Wi-Fi)

Version	Download	MD5 Checksum	SHA-1 Checksum
4.1.2 (JZO54K)	Link	d906b505ccae0d439839d3c5fafb137a	973f190e25cbafc29d9739fbe0ffb64ed894694
4.2.2 (JDQ39)	Link	b869c77ba7e2929b3ca00804bf64b945	c317339e5c16028e04e4883470ca1496852ff7
4.3 (JWR66Y)	Link	30eb362b494211164d8a8a6756419e571	e5035329f8e00015781cc0a35384a1047145c
4.4 (KRT16S)	Link	b8d77fa080e2d71f4366a23df6d3ecaf	da7dee497bc343fb8ed15995ccb0692123ee2e
4.4.2 (KOT49H)	Link	22ac4dcf402f30a3a891192dfdb714df	5e9db5e1c396e2d1161e428ba28e356e125ec
4.4.3 (KTU84L)	Link	4c1455d0871220de860e1a123486310	044e9f4f9e892e9cb21e7feb48206f108ddd094
4.4.4 (KTU84P)	Link	6f855d44cb31211dd6ecb13af7723a6d	2c6e4d6faba70821da1daa34ca97204f1bc6e8
5.0 (LRX21P)	Link	1a0afd91297554e8a80a81545fe55fb6	15ed139fccfe0eb29afee63a8ba71a7b0ec358
5.0.2 (LRX22G)	Link	bd50cf99c92704366c90be7a2ba6c7d9	3070147758b9d09e7276ce10596f256fb0d822
5.1.0 (LMY47D)	Link	f7deb9350354f7b3717fcfdeedc72521	ee97ce422a0bdb5b3da2d2058125f20f4894e6
5.1.1 (LMY47V)	Link	32624479e2f24d07fd04a2099a163604	b48bd71d1e6686fc68cd7fa9c17c18d7c4d078

"nakasig" for Nexus 7 (Mobile)

Version	Download	MD5 Checksum	SHA-1 Checksum
4.2.2 (JDQ39)	Link	ee8db1ed6ff1c007fe12136d4bc65cd8	0798439d363beb145d9223a42ed9edf3de1a3
4.3 (JWR66Y)	Link	ac9cb06bc9d6228b0c5194b5c50c1ad6	bdbb7bd7707af9695db1a0e9e79c1193b670be
4.4 (KRT16S)	Link	75289f8e0c8dfc91013224673d2c2183	1e882585c21371826b7207df48fe1f03a1cf96c

4.4.2 (KOT49H)	Link	fa034d967e0400363e8a5b315d6a20ba	83d93b5f35744965c078252fd667e4e8f4e44f4
4.4.3 (KTU84L)	Link	f58a3aa248ef368a513139ec364fd940	ee1670c9c97e3a74f6c2782f12adfcbd7136d19
4.4.4 (KTU84P)	Link	09a2f56cc12ea45d77d2f451e924ecb7	ef6aaa7607d16c2c9da0320a45b7797b4d0389
5.0.2 (LRX22G)	Link	6305d92d233441ee22426fbefc94f00b	99b25f67290474b100d8d42f81502714c9d8ba
5.1.0 (LMY47D)	Link	b984d2d3cc632d17b48430ee699b8cabf665cb16cb473841182692b4ac40c7f27a4e30
5.1.1 (LMY47V)	Link	c30e5d3bd7cef9edde38ce58bf741857	b2d446138badbd85e7017f0330184a19b025d3

"tungsten" for Nexus Q

Version	Download	MD5 Checksum	SHA-1 Checksum
4.0.4 (IAN67K)	Link	b4ccfa598a17017e2343636e66d51150468d9865ac26abbc29317aafcb86ca32f8d3f6c4

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

Version	Download	MD5 Checksum	SHA-1 Checksum
4.0.4 (IMM76I)	Link	26ede55c44b503e4ab02969c22fa16e1	e8c33767bfc9fbb360b72b26f4e9a41a2e4c74c
4.1.2 (JZO54K)	Link	4e79a918a9a366166d0c23f99cc240db	92830c0b09d186c53548664bf2049c9b7c896a
4.2.2 (JDQ39)	Link	2fae8a6f50016e83f232fbb2d099fd42	5e273f0203f6803e5e4b2a79683a233d7e8094
4.3 (JWR66Y)	Link	d9bb42ada143176c1bea5d8479c72f6a	5104ab1de80589957672a884adf5b37ff775f33

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

Version	Download	MD5 Checksum	SHA-1 Checksum
4.0.4 (IMM76I)	Link	31447212fb4fb00aab4ef8bdc78e7ffb	8001e72f6a62e000202be93084beac3bb1e136
4.1.2 (JZO54K)	Link	cc710f1539765c6ab7fbb8f50b69f0d6	92ff9457515384d598ff6e8b36e4f47ca02c447t
4.2.2 (JDQ39)	Link	2fe041ac195086ef09274204c7e265e2	b2ebb5f35b7d8d9a9f884c12d6bc52a230a506a
4.3 (JWR66Y)	Link	e463e3e0fb251044d9bd0885ae7ac6ce	09207065fd507667385bcef56d64421c810e0e!

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

Version	Download	MD5 Checksum	SHA-1 Checksum
4.0.4 (IMM76K)	Link	e76c6fe7d2bc799e5a6168f9dcb8c4ca	98d2132145850ee436350a99366156ad484a0!
4.1.1 (JRO03O)	Link	1df6a2a7385c4745193fe82bf2a87f78	f17426e653a974493e62f08e9c487b9000fa5da
4.2.2 (JDQ39)	Link	4e3e2a4072e45c8e9c4bae8ce5c5c189	e365033fba772f9610120db8694d080683cb36

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

Version	Download	MD5 Checksum	SHA-1 Checksum
4.1.1 (FH05)	Link	7b3c4c37dd64a664427d3829e2491bee	8cb5208b8046265a75ce324ef8ca6d3779612ae
4.2.1 (GA02)	Link	c93156606b39a6b61d371ef935a6a6ba	d9e847086ff292971e743c8e3a56ded3142d582

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

Version	Download	MD5 Checksum	SHA-1 Checksum
2.3.6 (GRK39F)	Link	e255b3373e1b96d5722ef35759c4b393	5ab09c98434210d94835e08da79f555a560273
4.0.4 (IMM76D)	Link	414d80b4ed221f3c183d48b25ed16a19	ca4ae9ee32eb2cee3e94e37537e866a3055031
4.1.2 (JZO54K)	Link	788233dca5954532acda63039f814b4d	366023333a71ed6b82ee99c8c135d55bc9d0d8

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

Version	Download	MD5 Checksum	SHA-1 Checksum
2.3.6 (GRK39F)	Link	eeaaadb90fbc113fd8b7aa78ddb7d154	5d73a09d2761517db07f5a6920dc03bfe2dac7c
4.0.4 (IMM76D)	Link	3e73b10ffc07bf727c604965ea8346ce	76ad495980d263c12934fea583902a313808f2e
4.1.2 (JZO54K)	Link	9cceb30ac64c914c06df5d16f5af2a52	1121b619aea8fe5a77fec3d3a9e84eadc9ee8ae

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

Version	Download	MD5 Checksum	SHA-1 Checksum
2.3.6 (GRK39F)	Link	e25b1e8ee70a7820d3947e056715068f	4d5663c0aa2a477f11ac9d3b93fa5c6ef22bff4
4.0.4 (IMM76D)	Link	393b47d3389232ce4388d019b3ce344b	422adc36f060f36118a166a643c0b03efa37c4
4.1.1 (JRO03E)	Link	3f31acd14b3b464881886d2e8d2d94f4	93a21b70d6d529469e25fba8615e938e9c782e

"sojus" for Nexus S 4G (d720)

Version	Download	MD5 Checksum	SHA-1 Checksum
2.3.7 (GWK74)	Link	d9e8114768fbda51233ae68b6b822fd74a34b67a3dbc2fd85c159fdf97f272f553cd26f9	
4.0.4 (IMM76D)	Link	198f44f6ea07c2f28e8bdc0932d2fd7d	10660f4cf86de0b8f2cff707617a39ff8b706cd5
4.1.1 (JRO03R)	Link	45e55ec74e6b6e69545f3d39e9f8cb64	59a247f553168ae636de2a8b0b810ab4e07971

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