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Hello everyone. I have been a happy Blackberry user all my life, & I've recently been making my own autoloaders. These are for the Z30, as that is my primary device. Not sure or don't know what an autoloader is? Please, read on... This is a thread for all of those who have an interest in upgrading their Z30, but who are maybe just a bit reticent or
simply uncertain about what's involved, & how to proceed. This is for you. We can also discuss Blackberry 10 topics in general. Any questions anyone has, I am able & happy to answer, & to help. So please, ASK AWAY. This will be a thread that is a meeting place for like-minded, friendly people, who are learning, & want to learn, & want to have the
best BB 10 experience they can.. This is not going to be a thread for specialists or experts to discourse on, or argue about, minutiae, tech specs, etc., etc... Whenever a new OS is leaked for the Z30, I will create an autoloader which you can download & use to install the new OS onto your Z30. Each autoloader will include the OS, and the 10.3.1.939
Radio (which is all you need). Note that the 939 radio is known for being one of the best out there, & has no known text (SMS) issue, or other issues, unlike some others. This is why I will include it (for now) in most autoloaders I make. Each autoloader will be posted here at the top of this thread, in chronological order, and with any relevant notes
attached. I also started creating Blitz files recently and will also be put into this post once uploaded. Please ask and wait for a response if you are unsure about anything before you run an autoloader or anything else from this or any other thread. *Every autoloader here has been personally tested, but use at your own risk, I am not held responsible for
anything that happens to your device. Thanks everyone. Let's all enjoy our time, our devices, & each other's company. Cheers, Ben AUTOLOADERS 10.3.1.1949 OS and 10.3.1.939 Radio (FOR Z30 ONLY) 10.3.1.2072 OS and 10.3.1.2072 
Radio (FOR Z30 AND CLASSIC) 10.3.1.2267 OS and 10.3.1.2368 Radio (FOR Z30 ONLY) 10.3.1.2268 Radio (FOR Z30 ONLY) BLITZ FILES 10.3.1.2072 OS and 10.3.1.2939 Radio (ALL DEVICES EXCEPT CLASSIC) 10.3.1.2072 OS and 10.3.1.2073 Radio (FOR Z30 ONLY) BLITZ FILES 10.3.1.2072 OS and 10.3.
DEVICES) 10.3.1.2243 OS 10.3.1.2243 OS 10.3.1.1955 APPS and 10.3.1.2267 OS and 10.3.1.2267 OS and 10.3.1.2268 RADIO (NOT FOR Z10-1, PASSPORT, OR CLASSIC) 10.3.1.2267 OS and 10.3.1.2268 RADIO (NOT FOR ALL Z10, PASSPORT, OR CLASSIC) 10.3.1.2268 RADIO (NOT FOR ALL Z10, PASSPORT, OR CLASSIC) 10.3.1.2268 RADIO (NOT FOR ALL Z10, PASSPORT, OR CLASSIC) 10.3.1.2267 OS and 10.3.1.2268 RADIO (NOT FOR ALL Z10, PASSPORT, OR CLASSIC) 10.3.1.2268 RADIO (NOT FOR ALL Z10, PASSPORT, OR CLASSIC
OR Z3) 10.3.1.2726 OS and 10.3.1.939 RADIO (NOT FOR Z10-1, PASSPORT, OR CLASSIC) Last edited by benbraun322; 04-17-15 at 06:06 AM. Ursus Rufus, AUDAY, Avenzuno and 16 others like this. 01-06-15 05:08 PM Like 19 Happy to be here. Pax nobiscum 01-06-15 05:13 PM Like 1 Sounds good to me. I will keep tabs on this thread. I currently
am using the 1154 leak in its original state on my Z30, but I'm open to the possibility of changing to one of your hybrids. I have questions, what are the benefits of this radio? Does it give better signal quality alone or does it affect anything else? (i.e. battery life, wifi reception, etc)? 1154 was my first installation of a leak via autoloader so was a bit of a
step over to the dark side as I don't understand how they are comprised at this point in time. But following this thread should help me learn! Z30 / 10.3.1.1154 / STA100-2 01-06-15 05:31 PM Like 1 Sounds good to me. I will keep tabs on this thread. I currently am using the 1154 leak in its original state on my Z30, but I'm open to the possibility of
changing to one of your hybrids. I have questions, what are the benefits of this radio? Does it give better signal quality alone or does it affect anything else? (i.e. battery life, wifi reception, etc)? 1154 was my first installation of a leak via autoloader so was a bit of a step over to the dark side as I don't understand how they are comprised at this point in
time. But following this thread should help me learn! Z30 / 10.3.1.1154 / STA100-2 Many have stated that they are getting better cell reception on this radio and I have seen a bump myself since I have been using this radio. Battery life on the radio is amazing, pretty much when your device always had the best service your battery life will increase
because the device is not searching for better service. But sadly not the WiFi reception. That is not controlled by the Radio it is controlled by the Radio it is controlled by the S. Quite surprised I know. BlackBerry Z30 Chenpion 01-06-15 05:45 PM Like 1 Many have stated that they are getting better cell reception on this radio and I have seen a bump myself since I have been
using this radio. Battery life on the radio is amazing, pretty much when your device always had the best service your battery life will increase because the device is not searching for better service. But sadly not the WiFi reception. That is not controlled by the Radio it is controlled by the OS. Quite surprised I know. BlackBerry Z30 Chenpion Which OS
do you suggest with this radio? I tryed both os with their default radios and i think 1154 is better in terms of speed and battery life on my z30. 01-06-15 06:27 PM Like 2 Again? Didn't the last thread get closed? Z30STA100-3/10.3.1.1949 Welcome to our thread, sir. The last thread was closed by request of the OP. And yes,
there was a mistake or two made, & these will not recur... Did you have another question? Regards, Eric 01-06-15 06:35 PM Like 1 01-06-15 08:00 PM Like 6 Thank you so much. Yes indeed, very aware of the good work being done by Jaydee. The link you posted is a helpful & welcome addition to this thread. Very kind of you. If you have any other
questions, please ask away. Cheers. Pax tecum, Eric 01-06-15 08:22 PM Like 1 So glad to see the exchange of ideas and BlackBerry knowledge continues. My bitchin' BlackBerry knowledge continues and i think 1154 is better in terms of speed and battery life
on my z30. I was running 1154 for a week or two and have now been running 1949 for the last few days. I think battery life might be slightly better in 1949 but it is just amazing on both. And speed also probably 1994. Big deal for me is that 1949 fixed the double swipe up to unlock glitch. BlackBerry Z30 Chenpion 01-06-15 11:33 PM Like 1 You do
know that Jaydee has put a lot of personal time into a stickie that's in here on how to load OS, and helps out quite a bit with questions and is usually the first one to say hi to all the new guest. She is one of the most admired ambassador's on here at crackberry Passport SQW100-1/10.3.1.1154 Jaydee is great but she can't talk to everyone on CB there
are a lot of users. This thread is for people who need personal help and not just a tutorial. BlackBerry Z30 Chenpion 01-06-15 11:35 PM Like 1 I was actually one of those timid types who found the tutorials fascinating but also just a little daunting. However, thanks to the focus, kindness & unbelievably quick personal help, have learned so much in
just the last short while. My zoomin' Z30 is a whole new experience. Thanks bb322 Posted from my Z30 via CB10 01-06-15 11:46 PM Like 1 I was actually one of those timid types who found the tutorials fascinating but also just a little daunting. However, thanks to the focus, kindness & unbelievably quick personal help, have learned so much in just
the last short while. My zoomin' Z30 is a whole new experience. Thanks bb322 Posted from my Z30 via CB10 No Problem Thanks Ursus for all of your help and effort to finally get this up and running. 01-07-15 05:11 AM Like 1 I installed your hybrid 1949 without sec. wipe, did a full restore in the morning, I got to say this; it is perfect! My negative
thoughts about 1949 has gone (speed +battery). Maybe I did something wrong with my first installation of 1949, maybe it is all about radio version but thank you for your post . 01-07-15 06:48 AM Like 1 Sounding great. Probably install this 1949 build on my Zed30 today. Am pondering that old question though that never seems resolved: leave in SD
card or take it out? Thoughts on this? Posted via CB10 01-07-15 09:13 AM Like 0 Sounding great. Probably install this1949 build on my Zed30 today. Am pondering that old question though that never seems resolved: leave in SD card or take it out? Thoughts on this? Posted via CB10 Lol I personally take it out... But I don't think there is a need.
Unless it's encrypted. BlackBerry Z30 Chenpion 01-07-15 11:02 AM Like 1 I installed your hybrid 1949 without sec. wipe, did a full restore in the morning, I got to say this; it is perfect! My negative thoughts about 1949 has gone (speed +battery). Maybe I did something wrong with my first installation of 1949, maybe it is all about radio version but
thank you for your post. Great! Enjoy it, if you have any issues with anything I'm here to help. BlackBerry Z30 Chenpion 01-07-15 11:03 AM Like 0 Great of you to make these and this available for Z30 users, Ben. Looking forward to keeping up with this thread! Ron Posted via CB10 01-07-15 03:04 PM Like 1 thanks, it's great! 01-07-15 03:13 PM Like
1 Hmm wow this is so kind and very appreciative!! I'll reconsider my decision to 'patiently' wait for the American carriers or is it in general? Would it be different on German carriers like T-Mobile? Secondly: Do I sicwipe before installing the auto
loader and then sicwipe after the installation has finished? Is there any installation that makes sure there won't be a any bugs caused by the installation? Thank you so much in advance! Posted via CB10 01-07-15 03:26 PM Like 1 Hi muindor I will let the OP bb322 answer your questions more fully. He's the expert here. I can however give you some
feedback on your 2nd question, as I have, within the past 2 weeks, installed first the 1154 version & then the 1949 (just a few hours ago). I did not do a security wipe or anything at all, before or after installing either one. I did not do a security wipe or anything at all, before upgrading. .. I
used the 1154 build for about a week or two, but apart from the fairly well known double swipe up to unlock (slightly annoying yes, but not a big deal) there were no bugs. None. As for the 1949 OS, I have only been on it for a few hours but I can already say I think it is somewhat better than 1154. No bugs to report this time either, and I'm very
thorough, because well, I guess I am slightly ob-com. 1949 is fast, clean & lovely. And the double swipe up from lock screen is gone. Until I found bb322's autoloaders & the fact that he was responding clearly & not too technically, and quickly... Well, I had resigned myself to just waiting patiently for an OTA upgrade through my carrier. I'd read many
other threads but just ended up feeling confused & uncertain. No longer. This is the right place. Cheers, Eric Posted via CB10 Last edited by Ursus Rufus; 01-07-15 at 11:43 PM. 01-07-15 at 11:43 PM.
wondering if this hybrid with this radio is working best for the American carriers or is it in general? Would it be different on German carriers like T-Mobile? Secondly: Do I sicwipe before installing the auto loader and then sicwipe after the installation has finished? Is there any installation that makes sure there won't be a any bugs caused by the
installation? Thank you so much in advance! Posted via CB10 Hi, To my knowledge the radio is just great in general. But if you hear somewhere that there is a better one available for Germany please tell me and I will build you an autoloader with that radio instead. No security wipe needed before or after. If you feel more safe that way then you are
welcome to but it should have no effect. No Problem Enjoy, Ben BlackBerry Z30 Chenpion 01-08-15 12:41 AM Like 0 Hi friends, I had a problem with my z30 and it is not related to this os but I searched lots of topics sadly no solution at all. Maybe you have a solution for it; When a wifi network
page never came with these browsers, any help? 01-08-15 02:28 AM Like 0 How to update the software to 10.3.3 (it's saying that I have the lastest software and it is 10.3.2.2836) and does the region affects on my phone's settings? Posted via CB10 04-03-17 06:01 PM Like 0 Stay on that for now. There have been a number of issues with 10.3.3,
particularly for the Z30. 04-03-17 06:02 PM Like 0 Thanks Posted via CB10 04-03-17 06:07 PM Like 0 Link is no longer work! Even in WiFi mode Posted via CB10 04-03-17 10:47 PM Like 0 Stay on that for now. There have been a number of issues with 10.3.3, particularly for the Z30. I have a question. A friend on Verizon has a z30 was set to auto
update and is now on 10.3.3 and has not had any issues except BlackBerry Link want back up his phone. Is it possible for him to go back to 10.3.2 Posted via CB10 04-08-17 11:56 AM Like 0 I have a question. A friend on Verizon has a z30 was set to auto update and is now on 10.3.3 and has not had any issues except BlackBerry Link want back up his phone. Is it possible for him to go back to 10.3.2 Posted via CB10 04-08-17 11:56 AM Like 0 I have a question. A friend on Verizon has a z30 was set to auto update and is now on 10.3.3 and has not had any issues except BlackBerry Link want back up his phone. Is it possible for him to go back to 10.3.2 Posted via CB10 04-08-17 11:56 AM Like 0 I have a question. A friend on Verizon has a z30 was set to auto update and is now on 10.3.3 and has not had any issues except BlackBerry Link want back up his phone. Is it possible for him to go back to 10.3.2 Posted via CB10 04-08-17 11:56 AM Like 0 I have a question. A friend on Verizon has a z30 was set to auto update and is now on 10.3.3 and has not had any issues except BlackBerry Link want back up his phone. Is it possible for him to go back to 10.3.2 Posted via CB10 04-08-17 11:56 AM Like 0 I have a question. A friend on Verizon has a z30 was set to a update and is now on 10.3.3 and has not had any issues except BlackBerry Link want back up his phone. Is it possible for him to z0 and z0 
phone. Is it possible for him to go back to 10.3.2 Posted via CB10 You can't go back, no. Try using DBBT for backups and restores instead. /blackberry-tools-956835/ 04-08-17 11:58 AM Like 0 Please my apps on bbz30...10.3.2.2339...won't open...especially android apps..they ll open and close immediately..please what do I
do...I ve tried updating the software...after downloading it does not install..it keeps saying update interrupted..please I need help..am already frustrated with blackberry 06-08-17 06:59 AM Like 0 How to update the software to 10.3.3 (it's saying that I have the lastest software and it is 10.3.2.2836) .... Count your blessings, stay with the version you
have as is for now on the Z30. I waited nearly a month before I mistakenly updated; I thought I vetted most of the bugs based on this forum & I missed the part about the fail on BBLink, how incredible is that?! Hope they will
step up with a patch to fix this! Posted via CB10 06-08-17 09:01 AM Like 0 Count your blessings, stay with the version you have as is for now on the Z30. I waited nearly a month before I mistakenly updated; I thought I vetted most of the bugs based on this forum & I missed the part about the fail on BBLink. Some have reported here that one has to
delete or remove an Apple application in order for this version to work with BBLink, how incredible is that?! Hope they will step up with a patch to fix this! Posted via CB10 Link explaining, just above your post. It's not really a big deal and it's not 10.3.3 specific. Wasn't working on my 10.3.2 phones either. It just wouldn't load. 06-08-17 01:18 PM Like
0 Has anyone lost their movies on the phone since the upgrade? I have tried to reload them from blackberry world but it says an error has occurred and won't reload them Posted via CB10 06-08-17 03:26 PM Like 0 Well, I don't know if the upgrade did it or not or the license expired. That's the error I get when I tried to play one recently. I don't play
them often. And yes, I get the network error message when I try to download from BlackBerry World. I think we are SOL. Posted via CB10 06-09-17 08:57 AM Like 0 How to update the software to 10.3.2 (it's saying that I have the lastest software and it is 10.3.2.2836) and does the region affects on my phone's settings? 12-12-17 07:19 AM Like 0 I
need new version for security reasons please help me get new version updates for my BlackBerry Z30. 12-12-17 07:21 AM Like 0 I need new version updates for my BlackBerry Z30. 12-12-17 07:21 AM Like 0 Well I can't use
up and down button to change songs anymore so I'm kinda pissed about that Posted via CB10 12-19-17 11:01 PM Like 0 Am new here. I want to update my os. I have been stuck with 10.3.3.1463. It keeps saying it's the latest. Please, help Posted via CB10 12-29-17 02:22 AM Like 0 I need new version for security reasons please help me get new
version updates for my BlackBerry Z30. 01-31-18 11:33 AM Like 0 Am new here. I want to update my os. I have been stuck with 10.3.3.1463. It keeps saying it's the latest. 01-31-18 11:57 AM Like 0 My BlackBerry Z30 version is 10.3.2.2836 02-03-18 07:02 AM
Like 0 I need strong security treatment. How can I updates security bullet proof 10.3.2** on my BlackBerry Z30 which has 10.3.2.2836 02-03-18 07:05 AM Like 0 How to update the software to 10.3.3 (it's saying
that I have the lastest software and it is 10.3.2.2836 ) and does the region affects on my phone's settings? 02-03-18 07:10 AM Like 0 I need strong security treatment. How can I updates security bullet proof 10.3.2.2836 ) and does the region affects on my phone's settings? 02-03-18 07:10 AM Like 0 I need strong security treatment.
and run the autoloader. Use Ultimate Backup first if you wish. DO NOT use BlackBerry Link. 02-03-18 08:59 AM Like 0 FWIW I'm running 10.3.3.3057 (ver) on both my Z30 and my Z10 this version and the previous version cause problems with my sms. I'm on T-Mo USA so this may not affect you. 02-05-18 03:57 AM Like 0 Phone's size, shape and
style The Samsung Galaxy Z series are the foldable smartphones. The form factor of a mobile phone is its size, shape, and style, as well as the layout and position of its major components. A bar (also known as a slab, block, candybar) phone takes the shape of a cuboid, [1] usually with rounded corners and/or edges. The name is derived from the rough
resemblance to a chocolate bar in size and shape. This form factor is widely used by a variety of manufacturers, such as Nokia and Sony Ericsson. Bar-type smartphones commonly have the screen and keypad on a single face. Sony had a well-known 'Mars Bar' phone model CM-H333 in 1993 that was longer and thinner than the typical bar phone.[2]
Bar phones without a full keyboard tend to have a 3×4 numerical keypad; text is often generated on such systems using the Text on 9 keys algorithm. A Nokia E51, a typical bar phone Sony Ericsson W800i, released 2005 Siemens S25 from 1999 Nokia 7600 in an unusual bar shape Infobar designed by Naoto Fukasawa from 2007 These are variants of
bars that have a full QWERTY keyboard on the front. While they are technically the same as a regular bar phone, the keyboard and all the buttons make them look significantly different. Devices like these were popular in the mid to late 2000s, but lost popularity afterward. The BlackBerry line from Research In Motion (RIM) was particularly popular
and influential in this category. Palm Treo 650 Motorola Q Nokia E61 released 2006 A BlackBerry Curve 8310 from 2007 Nokia C3-00 from 2010 BlackBerry Q10, released 2013 "Brick" is a slang term used to refer to large, outdated rectangular phones, typically early devices with large batteries and electronics. These early phones, such as the
Motorola DynaTAC, have been displaced by newer smaller models which offer greater portability thanks to smaller antennas and slimmer battery packs. A Motorola DynaTAC 8000X, a brick phone from 1984 A Mobira Cityman 450, a brick phone from 1985 NEC P9100, a Japanese brick from 1988 However, "brick" has more recently been applied to
older phone models in general, including non-bar form factors (flip, slider, swivel, etc.), and even early touchscreen phones as well, due to their size and relative lack of functionality compared to current models on the market. [3][4][5] The term "brick" has also expanded beyond smartphones to include most non-working consumer electronics,
including a game console, router, or other device, that, due to a serious misconfiguration, corrupted firmware, or a hardware problem, can no longer function, hence, is as technologically useful as a brick.[6] The term derives from the vaguely cuboid shape of many electronic devices (and their detachable power supplies) and the suggestion that the
device can function only as a lifeless, square object, paperweight or doorstop. This term is commonly used as a noun, for example, "If it's corrupted and you apply using fastboot, your device is a brick." In the common usage of the term, "bricking"
suggests that the damage is so serious as to have rendered the device permanently unusable.[7] A slate is a smartphone form with few to no physical buttons, instead relying upon a touchscreen phone was a brick phone, the IBM Simon Personal
Communicator, released in 1994.[9] The success of the iPhone, which was released by Apple in 2007, is considered by some to be largely responsible for the influence and achievement of this design. Some unusual "slate" designs include that of LG New Chocolate (BL40), or the Samsung Galaxy Round, which is curved. HTC Magician, a pre-
contemporary slate from 2004 LG Prada, a slate phone from 2006 Samsung GT-S5230 slate from 2009 An iPhone 4S, a slate phone from 2011 A set of Nokia/Microsoft Lumia slate smartphones Main article: Phablet The phablet is a subset of the slate/touchscreen. A portmanteau of the words phone and tablet
phablets are a class of mobile device designed to combine or straddle the size of a slate smartphone together with a tablet. Phablets typically have screens that measure (diagonally) greater than 5.3 inches, and are considerably larger than most high-end slate smartphones of the time (i.e. the Samsung Galaxy Note II smartlet versus the Samsung
Galaxy S III smartphone), which have to be 5.2 inches or less to be known as a smartphone, though significantly smaller than tablets (which must be 7 inches or above to be considered as such). Samsung Galaxy Note 10, a modern Android phablet BlackBerry Z30, a BlackBerry 10 touchscreen smartphone Nokia Lumia 1520, a Windows Phone phablet
The multi-screen is of basically the slate form factor, but with two touchscreens on both sides of the phone. In the case of Yotaphone and Siam 7X, they have normal touchscreens on the front, but on the backside is an e-
ink screen, which enables using the cases in a fashion similar to reading a book. The presence of the front camera for taking selfies has been an essential feature in smartphones, however, it is a difficulty to achieve a bezelless screen as is the trend in the later 2010s. The Nubia X20 and Vivo NEX Dual Display have solved this combining the
use of the main camera and a smaller second rear screen, eliminating the front cameras. Back part of display can be used as viewfinder for selfies and videocalls.[13]
[14] The taco form factor was popularized by the Nokia N-Gage, released in 2003. It was widely known as the plastic taco for its taco-shape and the placement of microphones on the side of the device, which, when one talks into the microphone and the placement of microphone on the side of the device, which, when one talks into the microphone, gives the appearance of eating a taco.[15] Other models include Nokia 3300 and Nokia 5510. N-Gage
Nokia 5510 Main article: Smartwatch A smartphone in the form of a wristwatch is typically referred to as a smartwatch. The LG GD910 watch phone from 2009 The Z1 Android watch phone in the form of a wristwatch is typically referred to as a smartwatch. The Samsung Galaxy Watches, paired by Bluetooth with smartphone in the form of a wristwatch is typically referred to as a smartwatch.
phone consists of two or more sections that are connected by hinges, allowing the phone to flip open then fold closed in order to become more compact. Clamshell came to be used as generic for this form factor. Flip phone referred to phones that opened on the vertical axis (as clamshells disappeared from the market, the terms again became
disambiguated). By the mid-2000s, "flip" designs reached the peak of their availability and declined afterward, being replaced by sliders which in turn were completely replaced by sliders which it
clamshell in colloquial speech. Motorola was the manufacturer of the famed StarTAC flip phone in the 1990s, as well as the RAZR in the mid-2000s. In these styles, when flipped open, the phone's screen and keyboard are available. When flipped open, the phone becomes much smaller and more portable than when it is opened for use. On most modern
flip phones, there is usually a small display on the back of the screen to indicate the time and any incoming calls/text messages whilst the phone is closed. There were also flip "down" phones in the 1990s, while what is now known as
"flip phone" used to be called "folding" or "folder" phones. In 2010, Motorola introduced a different kind of flip phone with its Backflip smartphone. When closed, one side is the screen and the other is a physical QWERTY keyboard. The hinge is on a long edge of the phone instead of a short edge, and when flipped out the screen is above the keyboard.
Another unusual flip form was seen on the luxury Serene, a partnership between Samsung and Bang & Olufsen. The Motorola StarTAC, the original flip-up phone Kyocera 6035 "flip down" phone Palm Treo 300, unusual flip-up form Japanese NTT
DoCoMo D506i flip phone manufactured by Mitsubishi The Motorola Razr from 2004 was the best-selling flip phone in the world. Nokia E90 Communicator Samsung Galaxy Z Flip, a modern clamshell with fully flexible display (see
foldable smartphones) Main article: Dual-touchscreen In April 2011, Kyocera Echo smartphone with two 3.5" screens. The phone's primary display could lie on top of the second display, reducing its size.[17] In November 2017, ZTE announced the Axon M. The screens could fold to either have two forward facing
screens, or one forward and one rear facing screen.[18] The combined display size is 6.75-inch when unfolded.[19] The second screen allows the Axon M's single camera to be both rear and forward facing, as well as acting as a kickstand or tripod.[20] Main article: Foldable smartphone Samsung foldable smartphones Following advances in display
technology, OLED screens can now be manufactured on a flexible, plastic substrate, meaning that glass is no longer needed; allowing the displays to be rolled, bent and folded; which makes new form factors possible. In January 2017, rumors emerged of a Samsung foldable phone, [21] and in November 2018, the Samsung Galaxy Fold[22] was
revealed, with a combined display size of 7.4 inches.[23] Other manufacturers, such as Huawei and Xiaomi, have also announced phones with foldable displays.[24][25] In November 2019, Motorola officially unveiled its horizontal-folding Motorola Razr. Video demonstrating the retracting action of Asus ZenFone 6's flip camera The Oppo N1 made use
of a manual flip camera. Asus, in the Zenfone 8 Flip smartphones, includes an all-screen front, eliminating the dedicated front-facing camera notch; instead, the main cameras are housed in a motorized flip-up module that rotates 180 degrees to focus forward. [26][27] The Samsung Galaxy A80 also has a similar flip-slide
camera mechanism. Some companies are experimenting with rollable displays in order to make devices that can convert from Slider (mobile phones). [edit] A 'side slider' mobile phone Slider is a form factor in mobile phones composed of usually two, but
sometimes more, sections that slide past each other on rails. Most slider phones have a display segment which houses the device's screen, while another segment contains the keypad or keyboards or keypads, without sacrificing
portability, by retracting them into the phone when they are not in use. Sliders supplanted the flip form, since they allowed manufacturers to pack more keypad buttons and features (especially the side slider or QWERTY slider) into the same form factor, while touchscreen interfaces were still in their infancy. By the late-2000s, "slider" designs
reached the peak of their popularity and declined afterward, being completely replaced by slate form factors with well-developed touch interfaces. Sliders have also been used in non-phone devices, for example on the Mylo. Samsung SGH-D500, standard slider T-Mobile Sidekick II, side slider BlackBerry Torch 9800, a tall slider Nokia 7110, with a
keypad cover slider Nokia N95, a dual slider Nokia 7280, slider that hides the camera Motorola Droid, a wide QWERTY slider Phones like the OnePlus 7 Pro,[29] Oppo Find X[30] and Vivo Nex[31] hide front cameras within the body of the devices in motorized pop
up modules to create a bezelless front face fully occupied by screens without any cutout while keeping a front-facing camera that can move up when required. Vivo V15 Pro [32] and Centric S1 [33] also come with a pop-up front-facing camera that can move up when required.
used, as the components such as the motor take up space within the phone's internals which may also fail over time. [29] A swivel phone is composed of multiple—usually two—segments, which swivel past each other about a sagittal axis (most of the swiveling form factor has similar goals to that of the slider, but this form factor is less
widely used. Samples are, LG U900 + 960 + V9000, Motorola Flipout + V70 + V80, Nokia 7370, Siemens SK65, Samsung Juke + Samsung SGH-X830, and Sony Ericsson S700i + W600. The LG Wing implemented this feature into a slate design smartphone, with two touchscreens. Other examples include the Sierra Wireless Voq which combines a
candybar with a keyboard "side-flip"; the Nokia Communicator series which utilise both a candybar and a clamshell with a QWERTY keyboard; or the Siemens SK65 which is a swivel candybar with a QWERTY keyboard; or the Siemens SK65 which is a swivel candybar with a QWERTY keyboard. [34] Some implementations, that do not use the sagital axis, are presenting in phones like Nokia 3250 and Oppo N1, with twistable
components: a keyboard, and main camera (doubling as a selfie one), respectively. Nokia 3250, with twistable main camera that is used for selfies when rotates. Some mobile phones use more than one form, such as the Nokia N90, Nokia 6260, Sharp SX862, Samsung SGH-P910, Samsung FlipShot SCH-U900, Samsung FlipShot SCH-U
Alias series or Panasonic FOMA P900iV, which use both a swivel and a flip axis. Some phones use a combination of form factors, so, Nokia N93, P906i, W61SH use a combination of swivel and a flip axis. Some phones use a combination of swivel they achieve the
rotation to the front to be used for selfies. Nokia E70, unusual candybar/flip form with a OWERTY keyboard Nokia N93, mixed swivel/flip The rear camera module of Samsung Galaxy A80 rotated for selfie mode, using a combination of swivel/slider ^ "Samsung Calaxy Nokia E70, unusual candybar/flip form with a OWERTY keyboard Nokia N93, mixed swivel/flip The rear camera module of Samsung Galaxy A80 rotated for selfies. Nokia E70, unusual candybar/flip form with a OWERTY keyboard Nokia N93, mixed swivel/flip The rear camera module of Samsung Galaxy A80 rotated for selfies.
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Retrieved 27 April 2019. ^ "Samsung Galaxy A80 - Full phone specifications". www.gsmarena.com. Retrieved from "2Mobile telecommunications phase This section needs additional citations for verification. Please help improve this article by
adding citations to reliable sources in this section. Unsourced material may be challenged and removed. (April 2022) (Learn how and when to remove this message) 3G mobile telephony was relatively slow to be adopted globally. In some instances, 3G networks do not use the same radio frequencies as 2G so mobile operators must build entirely new
networks and license entirely new frequencies, especially so to achieve high data transmission rates. Other delays were due to the expenses of upgrading transmission hardware, especially for UMTS, whose deployment required the replacement of most broadcast towers. Due to these issues and difficulties with deployment, many carriers delayed
acquisition of these updated capabilities. In December 2007, 190 3G networks were operating in 40 countries and 154 HSDPA networks were operating in 71 countries, according to the Global Mobile Suppliers Association (GSA). In Asia, Europe, Canada and the US, telecommunication companies use W-CDMA technology with the support of around
100 terminal designs to operate 3G mobile networks. Roll-out of 3G networks was delayed in some countries by the enormous costs of additional spectrum licensing fees. (See Telecoms crash.) The license fees in some European countries by the enormous costs of additional spectrum licensing fees.
and initial excitement over 3G's potential. The 3G standard is perhaps well known because of a massive expansion of the mobile communications market post-2G and advances of the consumer mobile phone. An especially notable development during this time is the smartphone (for example, the iPhone, and the Android family), combining the abilities
was a 3G video call made in Johannesburg on the Vodacom network in November 2004. The first commercial launch was by Emtel-ltd in Mauritius in 2004. In late March 2006, a 3G service was provided by the new company Wana in Morocco. In May 2007, Safaricom launched 3G services in Kenya while later that year Vodacom Tanzania also started
providing services. In February 2012 Bharti Airtel Launched a 3.75G Network in selected cities in Kenya with a countrywide rollout planned for later in the year. In Egypt, Mobinil launched the services on 3 July 2011, to both prepaid and postpaid subscription customers. Telecommunication
networks in Nigeria like Globacom, Etisalat, Airtel and MTN provide 3G services to their numerous customers. Asia is also using 3G services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well. A lot of companies like Dialog Axiata PLC Sri Lanka (First to serve 3G Services very well.)
Aircel, Tata DoCoMo and Reliance have released their 3G services. Sri Lanka's All Mobile Networks(Dialog, Mobitel launched 4G LTE Services In Sri Lanka. Not Only (Dialog CDMA, Lankabell CDMA Have 4G LTE Services. Dialog, Mobitel launched 4G LTE Services In Sri Lanka. Not Only (Dialog CDMA, Lankabell CDMA Have 4G LTE Services. Dialog, Mobitel launched 4G LTE Servic
 Sri Lanka Telecom Have 4G LTE, FTTX Services.. On March 19, 2012, Etisalat Afghanistan, the fastest growing telecommunications company in the country and part of Etisalat Group, announced the launch of 3G services in Afghanistan. [1] between 2013 and 2014 all telecommunications company (Afghan Wireless, Etisalat, Roshan, MTN and Salaan
Network) provided 3G, 3.5G and 3.75G services and they are planning for 4G services in 2016-2017. Nepal was one of the first countries in southern Asia to launch 3G services and they are planning for 4G services and they are planning for 4G services and they are planning for 4G services in 2016-2017. Nepal was one of the first countries in southern Asia to launch 3G services and they are planning for 4G services and they are planning for 4G services in 2016-2017. Nepal was one of the first countries in southern Asia to launch 3G services and they are planning for 4G services and they are plannin
with 3G. NTC provides high speed video calling with other 3G services, as well as post-paid 3G SIM cards. Main article: Pakistan on April 23, 2014, through a SMRA Auction. Three out of five Companies got a 3G licence i.e. Ufone, Mobilink and Telenor while
China Mobile's Zong got 3G as well as a 4G licence. Whereas the fifth company, Warid Pakistan did not participate in the auction procedure. However, they launched 4G LTE services on their existing 2G 1800 MHz spectrum due to Technology neutral terms and became world's first Telecom Company to transform directly from 2G to 4G. With that
Pakistan joined the 3G and 4G world. In the non-mobile sector, Pakistan of since then established itself in this sector. It provides 3G services in 105 cities across Pakistan. Omantel's WorldCall also provides 3G services in 50 cities Pakistan-wide. They provide
mobile broadband service via dongles and modems. On 14 August 2010, Pakistan became the first country in the world to experience EVDO's RevB 3G technology that offers maximum speeds of 9.3 Mbit/s. At present the services of EVO Nitro (brand name) are available in Islamabad, Rawalpindi, Lahore and Karachi. The RevA network, with speeds if
up to 3.1 Mbit/s is available in over 100 cities of the country.[2] State-run mobile operator Teletalk Bangladesh limited and other GSM operators GrameenPhone, Banglalink, Robi and Airtel already started hi-speed 3G+ and 3.5G services using UMTS with HSDPA facilities. GrameenPhone has a plan to launch 4G LTE services first time in Bangladesh
using TD-LTE technology. Currently Grameenphone owned 10 MHz spectrum at 3G auction by BTRC.Robi and Airtel recently merged, newly merged company has a plan to introduce 4G operation soon. Two other data operation by
government order. 4G LTE services have already begun in Bangladesh through all mobile operators except Teletalk, the state run mobile operators except Teletalk except and the state run mobile operators except Teletalk except and the state run mobile operators except Teletalk except and the state run mobile operators except Teletalk except and the state run mobile operators except Teletalk except and the state run mobile operators except Teletalk except and the state run mobile operators except and the state run
three 3G networks would be allocated so that the largest mobile operator, China Mobile, would retain its GSM customer base. China Unicom would retain its GSM customer base but relinquish its CDMA2000 customer base, and launch 3G on the globally leading W-CDMA (UMTS) standard. The CDMA2000 customers of China Unicom would go to
China Telecom, which would then launch 3G on the CDMA2000 1x EV-DO standards in commercial use. Finally in January 2009, Ministry of industry and Information Technology of China awarded licenses of all three standards: TD-SCDMA to China Mobile, W-CDMA to
China Unicom and CDMA2000 to China Telecom. The launch of 3G occurred on 1 October 2009, to coincide with the 60th Anniversary of the Founding of the People's Republic of China. By August 2011, China Telecom's 3G subscriber has exceeded 23 million. [3] On 11 December 2008, India entered the 3G arena with the launch of 3G enabled Mobile
and Data services by Government owned Mahanagar Telephone Nigam Ltd MTNL in Delhi and later in Mumbai. MTNL becomes the first 3G Mobile services on 22 Feb 2009 in Chennai and Kolkata and later launched 3G as Nationwide. The
auction of 3G wireless spectrum was announced in April 2010 and 3G Spectrum allocated to all private operators on 1 September 2010. While 3G was embraced by several countries at the beginning of the millennium, it was introduced to India somewhat later. The first network to make mobile internet browsing hassle-free was 3G. Even though it is
sluggish those days, it is still sufficient for watching films and streaming music. However, telecommunications companies like Airtel have begun to shut down 3G networks in a number of Indian regions.[4] Maximum Speed: 384 kilobits/second[5] North Korea has had a 3G network since 2008, which is called Koryolink, a joint venture between
Egyptian company Orascom Telecom Holding and the state-owned Korea Post and Telecommunications Corporation (KPTC). It is North Korea's only 3G Mobile operator, and one of only two mobile companies in the country. According to Orascom quoted in BusinessWeek, the company had 125,661 subscribers in May 2010. The Egyptian company
owns 75 percent of Koryolink, and is known to invest in infrastructure for mobile technology in developing nations. It covers Pyongyang, and five additional cities and eight highways and railways. Its only competitor, SunNet, uses GSM technology and suffers from poor call quality and disconnections. [6] Phone numbers on the network are prefixed
with +850 (0)192.[7] 3G services were made available in Lerope, mass market commercial 3G services were introduced starting in March
2003 by O2 in the UK and Italy. The European Union Council suggested that the 3G operators should cover 80% of the European national populations by the end of 2005. In Canada, Bell Mobility, SaskTel[9] and Telus launched a 3G EVDO network in 2005.[10] Rogers Wireless was the first to implement UMTS technology, with HSDPA services in
eastern Canada in late 2006.[11] Realizing they would miss out on roaming revenue from the 2010 Winter Olympics, Bell and Telus formed a joint venture and rolled out a shared HSDPA network using Nokia Siemens technology. After the AWS spectrum in 2008, new entrants to the Canadian wireless markets including but not limited to Mobilicity,
Wind Mobile and Vidéotron have deployed their own UMTS networks in Canada using the AWS spectrum. In Iran Rightel won the bid for the first 3G operator in Iran. Rightel is the first mobile 3G operator. Mobitel Iraq is the first mobile 3G
operator in Iraq. It was launched commercially in February 2007. MTN Syria is the first mobile 3G operator in Syria. It was launched commercially in May 2010. In Lebanon Ministry of Telecoms launched a test period on September 20, 2011, where 4,000 smart-phone users were selected to enjoy 3G for one month and provide feedback. Currently,
the test period is over, MTC Touch and Alfa began rolling out the new 3G services. Saudi Arabia has got 4G as well as 3G/HSPA With Zain KSA, Saudi Telecom, and Mobily KSA. In Trinidad and Tobago, Digicel was the first to implement UMTS services with the introduction of HSPA+ in May 2012.[12] bmobile launched their 3G UMTS network in
November 2012 with the implementation of HSPA+.[13] Turkcell, Avea and Vodafone launched their 3G service on all provincial centres. Avea launched it on 16 provincial centres. It was after Turkcell and Vodafone launched their 3G service on all provincial centres.
number portability, mobile operators attended frequency band auction and frequencies for 3G usage distributed around mobile operators. Turkcell got A band, Vodafone B and Avea C. Currently Turkcell and Vodafone NZ launched their 3G
network, followed by Spark NZ's XT network in 2008, and newcomer 2degrees using a combination of Vodafone's 3G towers and their own in 2009. 2degrees has since built more towers, and is now self-sufficient in the major cities (Auckland, Hamilton, Wellington, Christchurch and Dunedin) but relies on a roaming agreement with Vodafone to cover
the rest of the country. This gives it essentially the same footprint as Vodafone. ^ "The first mobile operator to launch 3G services". Kabul. March 19, 2012. Archived from the original on 2014-03-18. Etisalat Group, today announced
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entries Showing 50 items. View (previous 50 | next 50) (20 | 50 | 100 | 250 | 500)October 1 (links | edit) SIM card (links | edit) SIM card (links | edit) SIM card (links | edit) SIM lock (links | edit) Roaming (links | edit) Channel capacity
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(links | edit) Mobile banking (links | edit) Mobile banking (links | edit) Mobile dating (links | edit) View (previous 50 | 100 | 250 | 500) Retrieved from "WhatLinksHere/3G adoption" Usually, smartphone manufacturers support their devices in terms of software for a few years from their date of release. During this time, users
regularly receive updates that add new features to an operating system. To update Android on your Blackberry Z30 (Black), you need to follow a few simple steps, but before that, prepare for the process. How to check the current Android version on Blackberry Z30 (Black), you need to follow a few simple steps, but before that, prepare for the process. How to check the current Android version on Blackberry Z30 (Black), you need to follow a few simple steps, but before that, prepare for the process. How to check the current Android version on Blackberry Z30 (Black), you need to follow a few simple steps, but before that, prepare for the process.
Android is already up to date, you don't need to reinstall it. See which Android version you have: Open your phone's settings. Press "About phone". Find the item "Android 11, but Google is going to release another update to Android 12
soon. Preparatory phase Each new version of software contains many new functions, but after installing them, there may be problems in the operation of some smartphones. This happens when users ignore the preparatory phase. Before updating your Blackberry Z30 (Black), you need to follow 2 basic requirements: make sure the device has at least a
30% charge; reset your device to factory default settings. The first point is clear, but the second requires explanation. Resetting to factory settings means deleting all files from your device's memory. It helps you to avoid errors when installing updates. Of course, no one wants to lose their personal data, that is why you need to create a backup before
resetting: Open the settings. Go to the "Accounts and backup" section. Select Google Drive to save all the information, you can create a backup copy using the "Backup &
Restore" option. Move the resulting file to another device (for example, a computer), and after the updates are installed, return it to your smartphone's memory. After creating a backup, you can start resetting your phone to factory settings: Open the settings. Go to the "Backup and reset" section. Choose "Factory data reset". Click "Reset device".
Confirm the operation. Now reboot your smartphone and then go directly to the process of installing the Android OS, including both classic and alternative options. We recommend that you consider the upgrade methods in the order that is
presented in this article. Over-the-air update This is the easiest and most common way to update your smartphone. The main condition here is to complete the preparatory steps and have an Internet connection. To update "Update". If
there are updates available, you will be prompted to download the firmware file and click "Install". After that, your device cannot find an update over the air. To install the latest firmware version, download the installation file from the
manufacturer's official website. After placing the zip file in the device's memory, follow these steps: Open your device settings. Go to the System update section. Press the three-dots button, and then click the "Select firmware file" button. Select the folder where the zip file was saved. Confirm the installation of updates. The further process is the
same that was presented earlier in the over-the-air updates. That is, your phone will restart, and after installing the firmware, you will be able to use it. Manual update via Recovery ModeThis method is similar to the previous one because here you also need to download the firmware file to your phone first, but the rest of the process is very different.
To install updates, you need to go to the engineering menu (Recovery Mode). First of all, turn off your smartphone and hold down both the Power button and the Volume Down button. If everything is done correctly, the recovery menu will
appear on the screen. Use the Volume keys to navigate, and the Power button to confirm actions. If you want to perform an over-the-air update, select "Reboot system now". The "Apply update from SD card" is for installing from the memory card. After
selecting the desired option, confirm the operation and wait for the end of the process. What to do after installing updates When the updating is fine, you can restore your backed-up information. If the backup was uploaded to Google Drive, all you need is to log into your
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Google account, and the data will be restored automatically. If the backup was not restored automatically, try to operate manually. To do this, open the settings, go to the "System" section and restore the data. Share this page with your friends: See

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