



**Degoogle**

Privacy by design

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# GRAPHENE OS

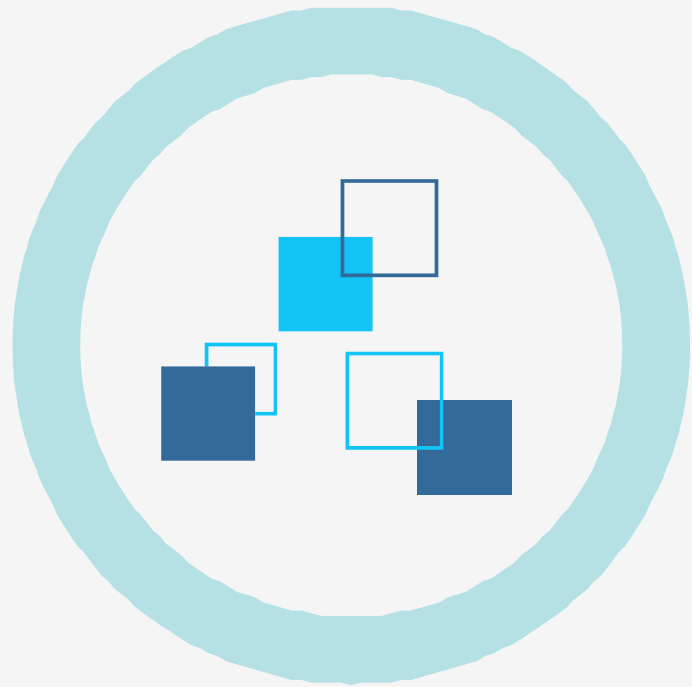
## SETUP GUIDE

# WELCOME

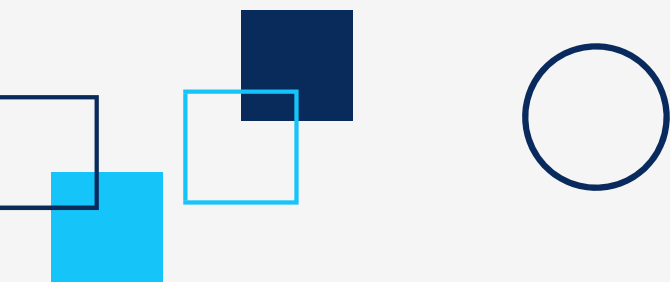
Congratulations on becoming part of the Degoogle movement and for getting a phone that runs a degoogle Operating System.

This OS was developed with privacy and security in mind to protect user privacy and prevent tracking by third parties. The features of this phone make the device harder to hack, easier to use, and far less likely to get a virus.

The operating system that runs on this phone is open source and community-based; therefore, you're much less likely to be exposed to security issues due to zero-days or intentional backdoors.



## GRAPHENE OS FEATURES





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# GETTING STARTED WITH GRAPHENE OS

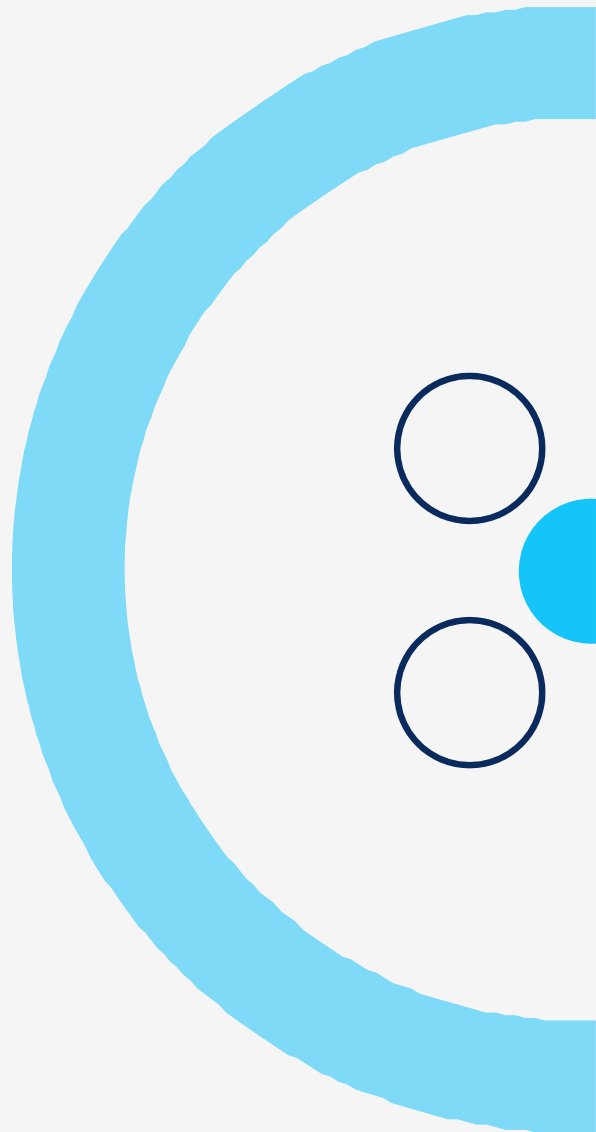
As you will soon figure out, each time you turn on your Degoogle phone you will be greeted by a screen that informs you that another operating system has been detected and is booting up instead of the classic Android Operating System.

This is of course normal and expected.

Depending on what phone you ordered, you may see more messages popping up at start up (for instance if you ordered a degoogle Samsung you will see a message letting you know that the bootloader is unlocked).

Also these messages are normal and are due to the fact that the phone is detecting that the operating system was changed from the standard one.

In case of any doubt, you can always contact us to have more information (see the last page).






# THE FIRST CHANGES YOU NEED TO MAKE

## DISABLE OEM UNLOCKING

**THIS STEP IS ADVISED ONLY IF YOU PURCHASED A GRAPHENE OS OR CALYX OS PHONE.**

By default, we enable the "fastboot" feature, which allows us to install the operating system the phone is using. You will not need this fastboot mode anymore, so it is better to disable it to be more protected. Do this:

-  Activate developer mode: open Settings -> AboutPhone -> scroll to the bottom -> repeatedly tap on "Build number" until you see a message that says you are now a developer.
-  Deactivate OEM unlock and USB Debugging: head to Settings -> System -> Developer options -> switch off "OEM Unlocking" and "USB Debugging".
-  After that is done, you can optionally exit Developer mode by switching off the switch at the top of the Developer options page.

## ENABLE LTE-ONLY MODE

Disabling the option used for connecting to 3G and 2G networks means reducing the attack possibility of the device. Do this only if you live somewhere where there is good LTE network coverage or you may encounter connectivity problems.

Go to Settings and search "Preferred network type" and select "LTE only" from the list.



# WHERE YOU CAN GET ADDITIONAL APPLICATIONS

## F-DROID

F-droid is a repository of free and open-source software apps for your device. It's where you should start when looking for any new apps.

F-Droid is an app store that makes it easy to find and install exclusively open-source applications. You can browse categories like games, productivity, utilities, and more.

F-Droid has over 300,000 apps available in its catalog. The apps are all reviewed before they're added to the store, so you know what you're getting.

To download it, you just need to go to [f-droid.org](https://f-droid.org), then download and install the APK.

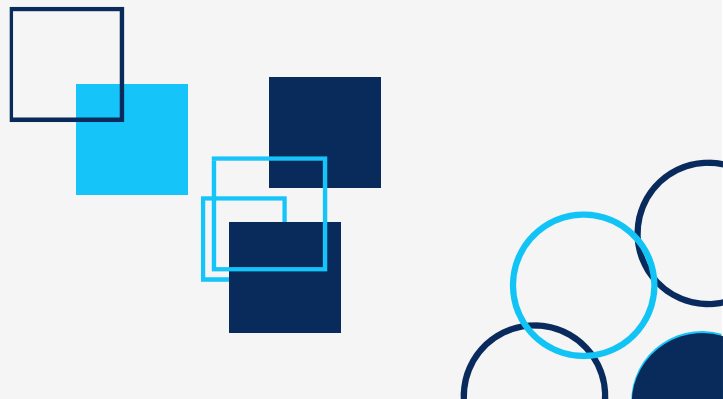
## APKPURE

APK Pure will help you install and use almost any app from the Google Play Store.

Keep in mind that some of the apps you are installing may weaken the benefits of GrapheneOS's privacy protections.

This because some apps are not open source, and they've never been reviewed independently by free software developer communities, so they may contain tracking features in the apps themselves.

To use apkpure, just go to [apkpure.com](https://apkpure.com), then download and install the APK you seek.



# ALTERNATIVE INSTANT MESSAGING APPLICATIONS

## SIGNAL

Signal is the gold standard in secure encrypted messaging. It was a pioneer with its double-ratchet encryption which has now been adopted by many other messengers because of its high security.

If you wish, Signal can completely replace your SMS messenger, giving you a truly unique experience while being protected.

## BRIAR

Compared with Signal, Briar has a greater degree of anonymity (no phone numbers or emails needed to open an account), less centralization (no servers), and fewer dependencies on outside services (no centralized infrastructure).

All of these make it less possible for possible intruders to find weak spots and places they can attack. This means that there is no single point of failure, so they cannot easily track our movements.



# ALTERNATIVE E-MAIL APPLICATIONS

## PROTONMAIL

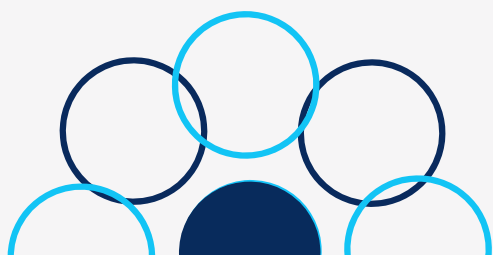
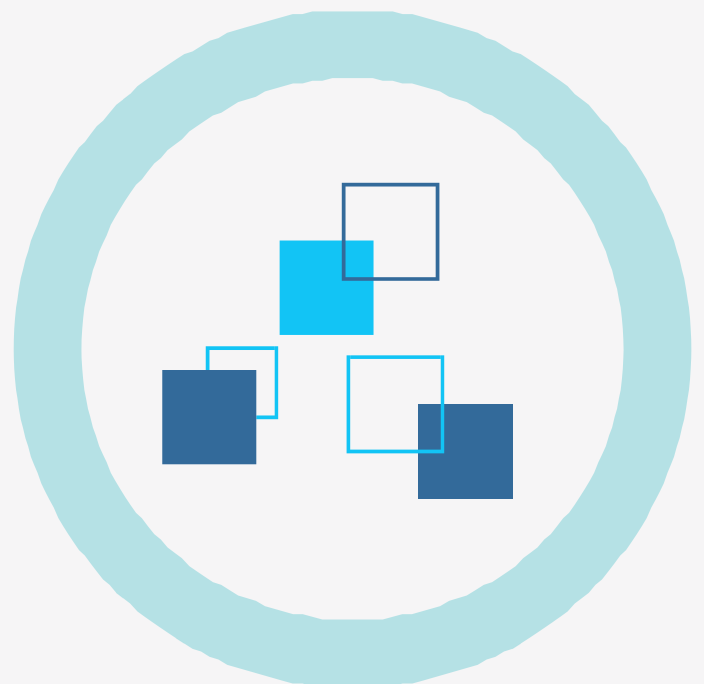
Protonmail is an open-source encryption email service located in Switzerland. It strives to provide strong security for its users. Its FreeTier allows users to store up to 500MB of messages.

ProtonMail has been around since 2013 and was founded by CERN scientists who wanted a secure alternative to the Gmail they were using at the time. The company's website states that it "is committed to protecting your privacy, freedom of expression, and access to information."

## TUTANOTA

Tutanota is a German company that offers an encrypted, self-hosted alternative to Gmail. It's also the only service I know of that lets you use your own domain name: you can choose from ".com" or ".de" domains.

You get 2GB of storage for free, but if you want more it costs a nominal fee.





# Degoogle

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## CONTACT



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