



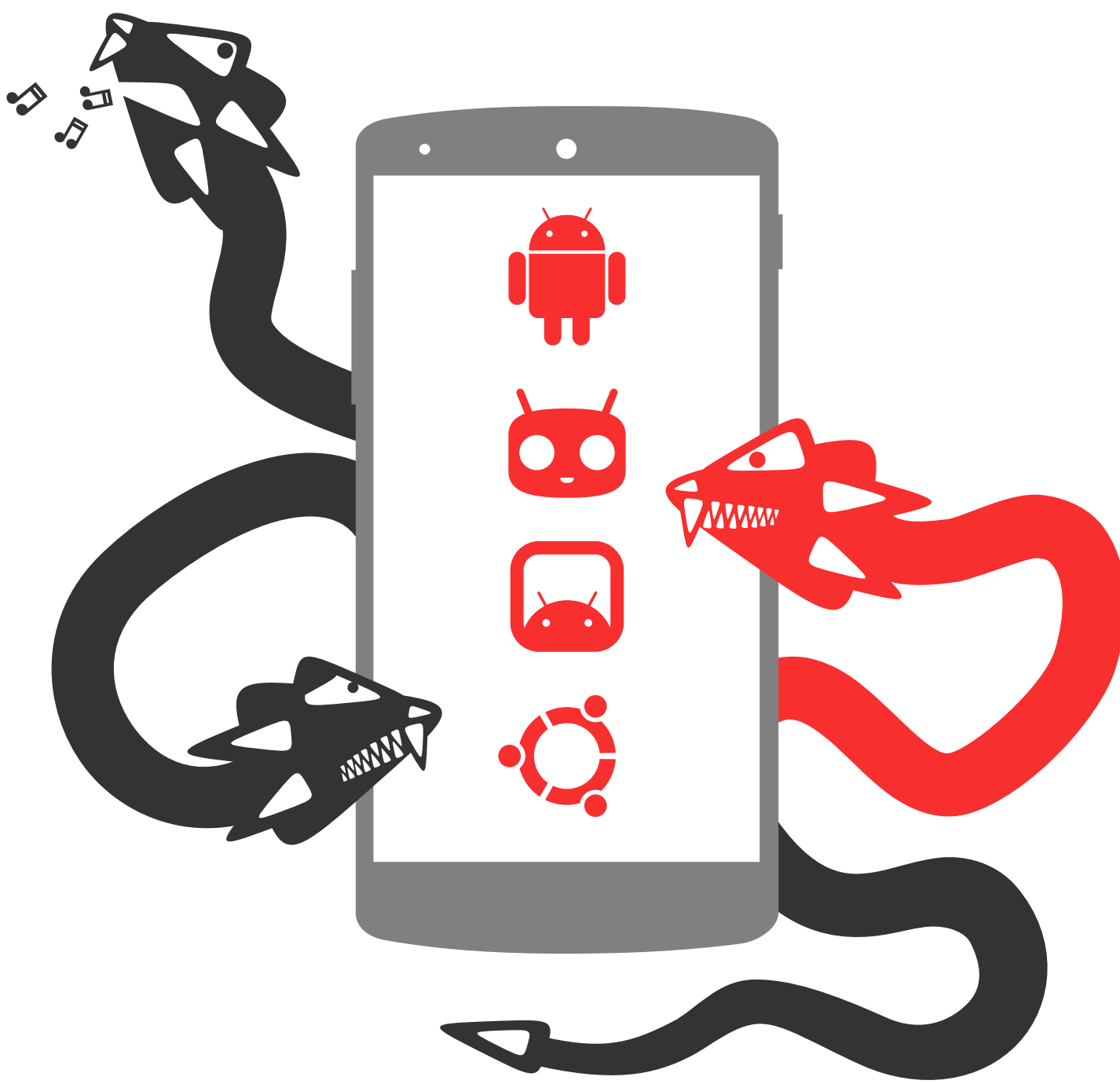
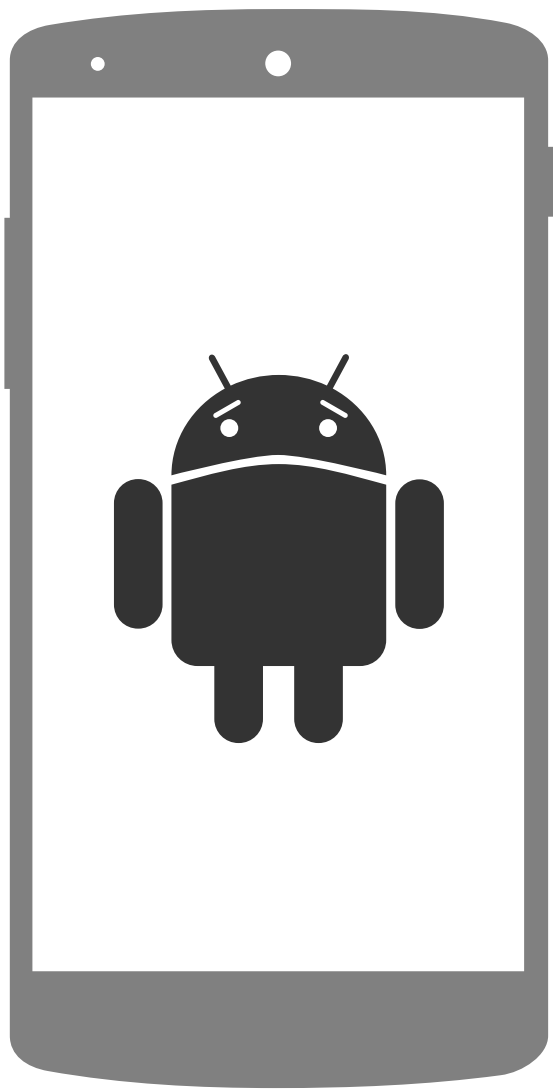
# MultiROM

Multiboot for Android devices

Vojtěch Boček



Ordinary **devices with Android** support installation of **just one** operating system - the Android.



## What is MultiROM?

**MultiROM** is a software modification which enables installation of **multiple operating systems at once**, just like on PC.

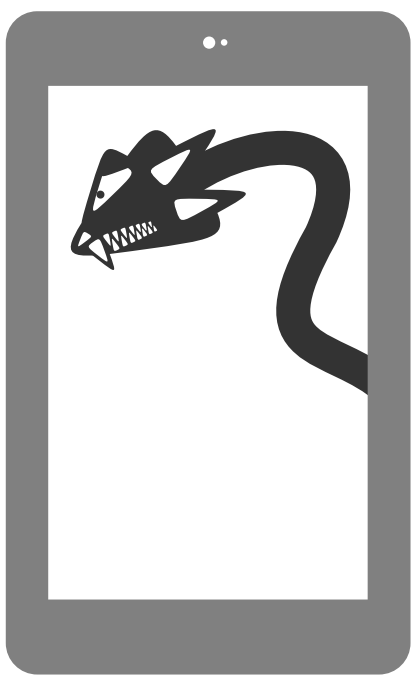
It is useful mainly for advanced users, but compared to similar modifications, MultiROM is very **easy to use**.

Another MultiROM's important feature is support for literally any type of operating system. **Android or Ubuntu Touch? You can have both!**

## Supported devices



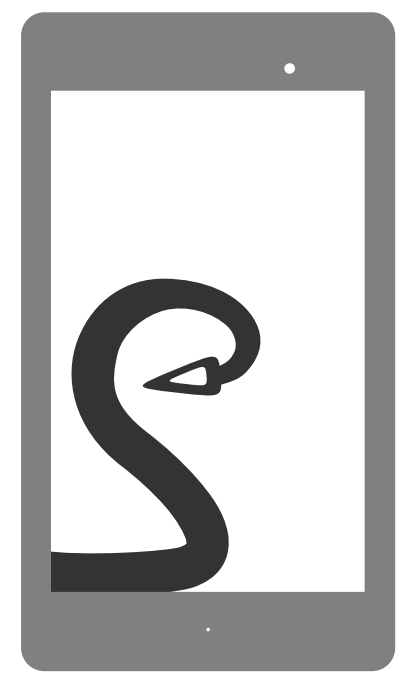
Google **Nexus 4**



Google **Nexus 7** (2012)



Google **Nexus 5**



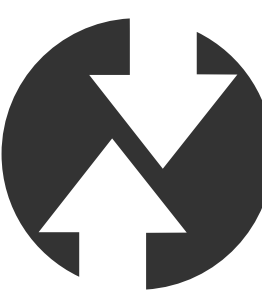
Google **Nexus 7** (2013)

Due to technical reasons, I personally only support two phones and two tablets. However, **MultiROM is open-source project**, so members of the community can (and they do!) release their own versions for more than a dozen other devices.

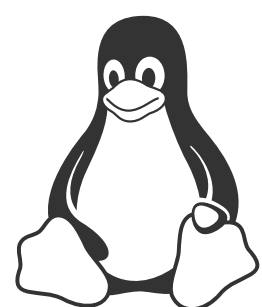
## Four parts



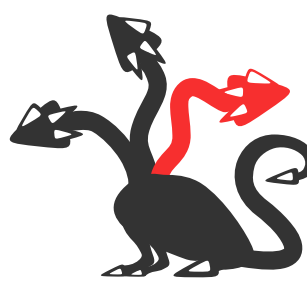
**Boot manager** shows up during every boot. The user either selects in it which system he wishes to start or he can let the default system boot up automatically. This part also contains most of the code handling the *multiboot* itself.



**Custom recovery** – small secondary system for device management, recovery and updating – handles MultiROM settings, installation and management of secondary systems and other similar tasks. This part of MultiROM is based on the open-source project *TeamWin Recovery Project*.

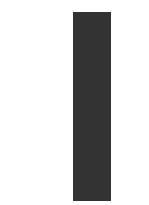


**Kexec-hardboot patch** is a modification of Linux kernel which is Android based on. It allows starting of another kernel (and thus of another system) from already running one. It is the most complex part of MultiROM and it is also the most important.



**MultiROM Manager** is an Android application capable of installing all other parts of MultiROM by single tap. It also keeps it all updated and you can delete, rename or boot into any of the secondary systems directly from the app.

## Utilisation



**Trying out** various **Android ROMs** or even **different** types of **operating systems** is much easier with MultiROM – you don't have to waste time making backup and then restoring it again anymore!

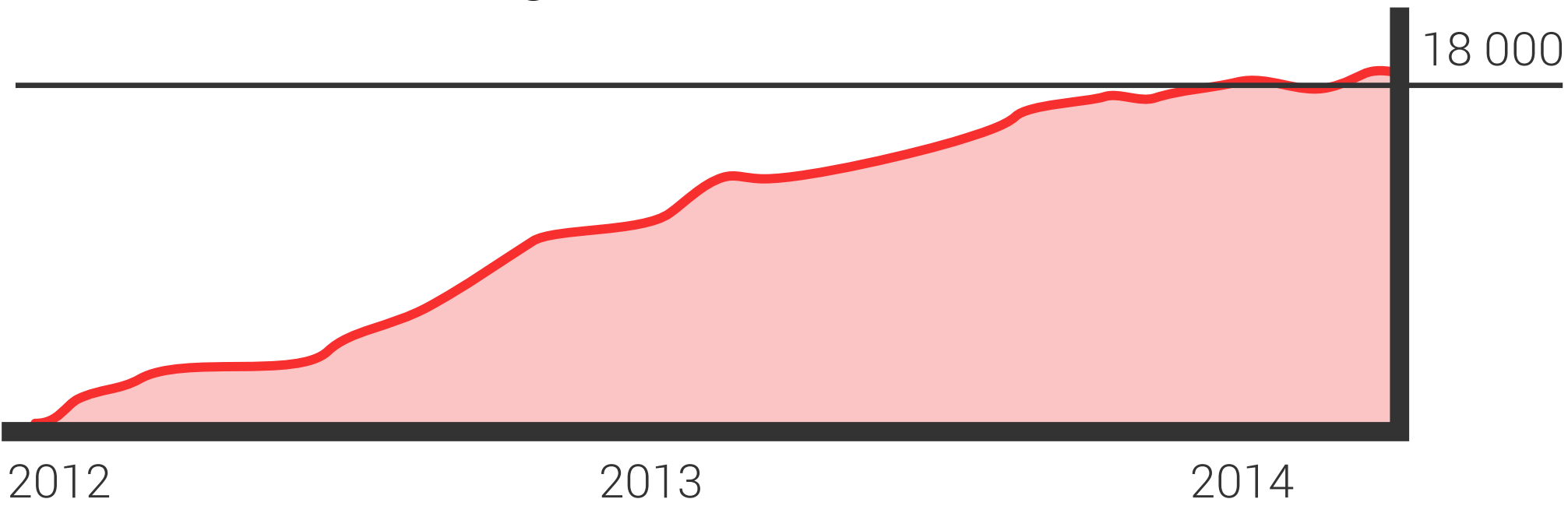


**During development** of applications or even of a new operating system, which may not be fully usable yet, it is possible to **still have a clean version of Android installed**, for when the user doesn't want to develop anything but needs a **working phone** instead.



*Multiboot* is completely ordinary feature on desktop computers, **used** mostly **by advanced users**. MultiROM brings the same **level of comfort** even to **portable devices**.

## Well-established project



**MultiROM** has been developed since year 2012. It has **18 314 active installations** (data from 11th June 2014) and the userbase is still growing. In 2013, a **successful crowdfunding campaign** took place on Indiegogo.com. Its goal was to buy a test device and to modify the code to make it more portable. Target of \$500 was reached in 24 days and I have fulfilled all my commitments in pre-designated time.

**You** can start using MultiROM right now – install the **MultiROM Manager** application from Google Play store or scan the QR code in this poster's header!