

Android xmrig Miner for ARM CPU

<http://xmrig.mine.bz/> or <https://bitcointalk.org/index.php?topic=5338550>

1. Download the Android ARM miner:
 - 64-bit version: <http://xmrig.mine.bz/xmrigARM-1.9.5-android-arm64v8.zip> (for ARMv8 CPU)
 - 32-bit version: <http://xmrig.mine.bz/xmrigARM-1.9.3-android-arm32v7.zip> (for ARMv7 CPU)
2. Unzip the ZIP file. Copy them to the root directory of internal/shared memory in the phone
3. Edit the last line of `runme.sh` file to add your own xmrig command-line options (pool/wallet/worker/algo/password) using a text editor such as Jota Text Editor. The last one line of `runme.sh` should look like:

```
$EXECPATH/xmrigARM -o PoolAddress:Port -u WalletAddress -p Password -a Algorithm
```

For example:

```
type nproc >/dev/null 2>&1 && echo Please note that the number of CPU cores available to a single process is $(nproc).
EXECPATH=.
type dirname >/dev/null 2>&1 && EXECPATH=$(cd "$(dirname "$0" 2>/dev/null)"; pwd)
test -z "$EXECPATH" -o -x ./xmrigARM && EXECPATH=.
if [ -z "$LD_LIBRARY_PATH" ]; then
  export LD_LIBRARY_PATH=./:$EXECPATH
else
  export LD_LIBRARY_PATH=./:$EXECPATH:$LD_LIBRARY_PATH
fi
$EXECPATH/xmrigARM -o sg.dero.miner.rocks:30182 -u dERo[REDACTED] -p x -a astrobt
```

(All supported algorithms are listed at: <http://xmrig.mine.bz/algorithms.txt>)

4. Install Termux or Terminal Emulator:

<https://play.google.com/store/apps/details?id=jackpal.androidterm>

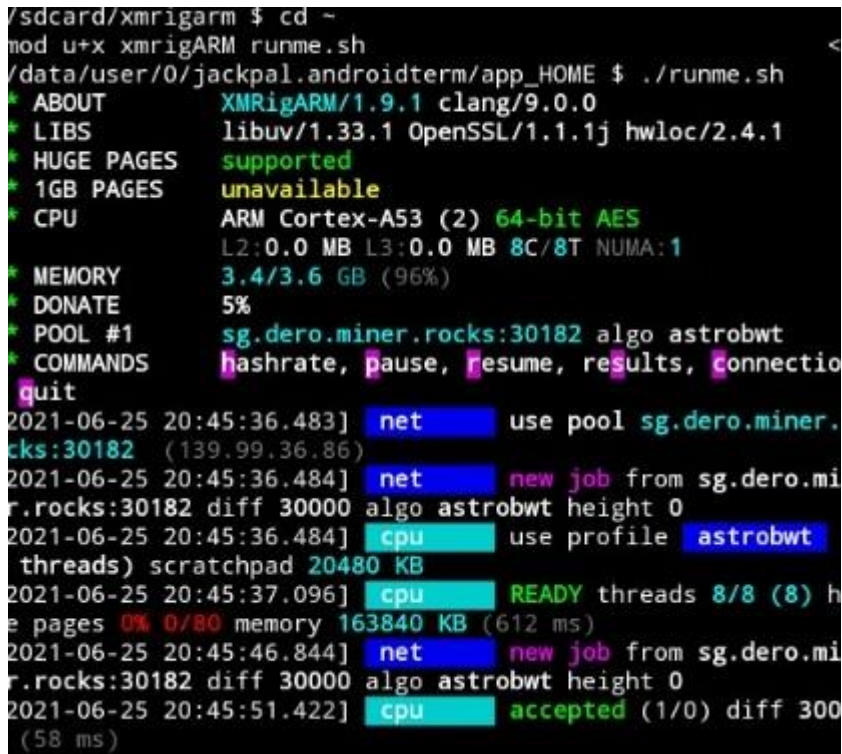
The screenshot shows the Google Play Store page for the app "Terminal Emulator for Android" by Jack Palevich. It features a green Android robot icon, a 4.2 star rating from 119K reviews, over 10 million downloads, and a PEGI 3 rating. A large green "Install" button is prominently displayed at the bottom of the listing.



5. Open Termux or Terminal Emulator window. Execute the following 5 commands (case-sensitive):

```
cd /sdcard/  
cp xmrig* lib*.so runme.sh ~/  
cd ~/  
chmod u+x xmrig* runme.sh  
./runme.sh
```

6. DONE



```
/sdcard/xmrigarm $ cd ~  
mod u+x xmrigARM runme.sh  
/data/user/0/jackpal.androidterm/app_HOME $ ./runme.sh  
* ABOUT XMRigARM/1.9.1 clang/9.0.0  
* LIBS libuv/1.33.1 OpenSSL/1.1.1j hwloc/2.4.1  
* HUGE PAGES supported  
* 1GB PAGES unavailable  
* CPU ARM Cortex-A53 (2) 64-bit AES  
L2:0.0 MB L3:0.0 MB 8C/8T NUMA:1  
* MEMORY 3.4/3.6 GB (96%)  
* DONATE 5%  
* POOL #1 sg.dero.miner.rocks:30182 algo astrobwt  
* COMMANDS hashrate, pause, resume, results, connectio  
quit  
2021-06-25 20:45:36.483] net use pool sg.dero.miner.  
cks:30182 (139.99.36.86)  
2021-06-25 20:45:36.484] net new job from sg.dero.mi  
r.rocks:30182 diff 30000 algo astrobwt height 0  
2021-06-25 20:45:36.484] cpu use profile astrobwt  
threads) scratchpad 20480 KB  
2021-06-25 20:45:37.096] cpu READY threads 8/8 (8) h  
e pages 0% 0/80 memory 163840 KB (612 ms)  
2021-06-25 20:45:46.844] net new job from sg.dero.mi  
r.rocks:30182 diff 30000 algo astrobwt height 0  
2021-06-25 20:45:51.422] cpu accepted (1/0) diff 300  
(58 ms)
```

7. After the above setup, you only need to run the last command `./runme.sh` later on.

8. If you modify `/sdcard/runme.sh` for some reasons, you need to re-run:

```
cp /sdcard/runme.sh ~/
```

NOTE:

1. You should **not** run the above commands as root.
2. You can run `uname -m` to check whether it's 64-bit or 32-bit CPU. `armv8*` or `aarch64` is 64-bit CPU/OS. `armv7*` or `arm` is 32-bit CPU/OS.
3. When accessing `/sdcard/`, Terminal Emulator needs the permission to access internal storage. Please go to Phone Settings -> Applications -> Terminal Emulator -> Permissions and grant Storage permission.
4. You'd better let Terminal Emulator to "Take WakeLock" (from `:` menu) which can prevent Android from entering power-saving mode. It works on many but not all devices.

WARNING:

Your phone may become very hot. **It is really not a good idea to mine using your main phone.** If the phone is too hot, you can use `-t N` parameter to limit the number of CPU cores to use. Keep phones far away from anything flammable.

TECH SUPPORT:

<https://discord.gg/ABW9eSjjGJ>