

Notes to self, about this phone, which I doesn't seem to succeed unlocking the boot loader so far

TWRP recovery

I managed to install TWRP easily and successfully into the phone with the instructions TWRP provide in their website

<https://twrp.me/xiaomi/xiaomiredminote8.html>^[1]

Fastboot Install Method (No Root Required): Install required software in your computer

You will need the platform-tools from the Android SDK on your computer. Download the platform-tools as per your operating system. For linux (debian based - ubuntu 22.04 here by the time of this writing), you can install them all with:

```
sudo apt install adb fastboot android-sdk-platform-tools
```

enabled USB Debugging in your phone

On your device, go into **Settings -> About** and find the Build Number and tap on it 7 times to enable **developer settings**.

Press back and go into **Additional settings > Developer Options** and enable **USB debugging**.

From your computer, open a command prompt and type:

```
sudo adb reboot bootloader
```

You might have to accept the connection at the phone screen, clicking on the provided button to accept the usb connection.

If needed, run the previous command from the computer again (once the usb connection has been allowed at the phone level)

You should now be in fastboot mode at the phone.

Download the correct image file for this phone model, for instance from:

<https://eu.dl.twrp.me/ginkgo/>^[2]

In this case:

- twrp-3.7.1_12-0-ginkgo.img^[3] 64M 2024-02-18 08:55:10 UTC
https://eu.dl.twrp.me/ginkgo/twrp-3.7.1_12-0-ginkgo.img^[4]

Copy the file into the same folder as your platform-tools. Rename the image to twrp.img and type:

```
sudo fastboot flash recovery twrp.img
# Before running the next command, see the note below (hold the volume up key in
your phone while pressing enter in your pc terminal to reboot from fastboot in the
next command)
sudo fastboot reboot
```

Note many devices will replace your custom recovery automatically during first boot. To prevent this, use Google to find the proper key combo to enter recovery. After typing fastboot reboot, hold the key combo and boot to TWRP. Once TWRP is booted, TWRP will patch the stock ROM to prevent the stock ROM from replacing TWRP. If you don't follow this step, you will have to repeat the install.

About PBRP

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CrDroid OS 10

crDroid 11 based on Android 14 for Redmi Note 8
<https://crdroid.net/ginkgo/10>^[6] (supported in 2024)

crDroid for Redmi Note 8/8T

- OEM Redmi
- Codename ginkgo
- Maintainer Simone Esposito
- Nickname DarkJoker360
- Version 10.7
- Android 14
- Build date 2024-08-19
- ZIP size 1.2 GB
- Build type Final

First time installation (clean flash)

Adapted to the menus of TWRP recovery:

- Boot to recovery (switch off phone; then hold volume up and press power button to switch it on)

- In TWRP, swipe to allow making changes to the phone
- Go to **TWRP > Wipe > Format data**
 - confirm typing **yes** as requested on the phone
 - once finished, press back in the status bar icon several times to return to the main TWRP menu.
- Choose ~~apply update~~ and ~~Apply from ADB~~
- Go to **TWRP > Advanced > ADB Sideload**
 - Select:
 - Wipe Dalvik Cache
 - Wipe Cache
 - Swipe to Start sideload (the phone will be ready to accept sideload from the computer in the next step)
- Now install crDroid zip via sideload from your computer.

I took **crDroidAndroid-14.0-20240819-ginkgo-v10.7.zip**

- Note about crdroid versions and RAM requirements:
 - CrDroid 10 (Android 14) is known to require 4Gb of RAM
 - CrDroid 9 (Android 13) is known to require just 2Gb of RAM
- In your terminal, from the folder where you have the crdroid.zip file, run:

 `adb sideload crdroid.zip`

- Go back to main menu and reboot to recovery to install gapps (if you don't want gapps, reboot to system)
 - I did install **NikGapps-basic-arm64-14-20240307-signed.zip**
- To install gapps, simply sideload gapps.zip the same way you installed crDroid.zip then reboot to system
- Reboot your phone to system

Older instructions:

- [https://crdroid.net/ginkgo/9^{\[7\]}](https://crdroid.net/ginkgo/9) (Android 13, officially unsupported in 2024, but many crdroid users keep using it since it's known to require only 2Gb of RAM, whereas crdroid 10/Android 14 is known to require 4Gb of RAM)
- [https://crdroid.net/ginkgo/8^{\[8\]}](https://crdroid.net/ginkgo/8) (unsupported in 2024)

Better Camera app

Google Camera customized, in order to allow using 3 or 4 of the lenses in the camera, and many more options for taking pictures (disabling sound of the shutter), etc

shamin.cam, suitable or compatible with for Redmi Note 8T, Android 14, crdroid 10:

<https://www.celsoazevedo.com/files/android/google-camera/how-to/>^[9]

<https://www.celsoazevedo.com/files/android/google-camera/dev-shamim/f/dl79/>^[10]

CrDroid OS 11

crDroid 11 based on Android 15 for Redmi Note 8

<https://crdroid.net/ginkgo/11/install>^[11] (supported in 2025)

Before you start, make sure you've deleted every Google account from the device on a fresh install.

This will prevent "Factory Reset Protection" (FRP) from kicking in during the setup steps.

Installation is only possible on a device with unlocked bootloader!

Backups with SeedVault

At first run in crdroid, you will be offered the chance to restore a backup from a previous installation that you stored through seedVault, from a usb (with OTG), or network installation, etc. (Nextcloud is listed as an option, but it says it's not recommended).

Related

https://en.miui.com/unlock/download_en.html^[12]

<https://github.com/francescotoscari/XiaoMiToolV2/pull/88>^[13]

<https://github.com/Nik-Kot/XiaoMiToolV2/releases/tag/dev>^[14]

<https://github.com/Canny1913/miunlock>^[15]

<https://forum.xda-developers.com/t/guide-an-updated-guide-about-unlocking-your-redmi-note-8-bootloader.4071031/>^[16]

<https://forum.xda-developers.com/t/closed-unlock-bootloader-xiaomi-redmi-note-8-ginkgo.4551425/>^[17]

^[1] <https://twrp.me/xiaomi/xiaomiredminote8.html>

^[2] <https://eu.dl.twrp.me/ginkgo/>

^[3] https://eu.dl.twrp.me/ginkgo/twrp-3.7.1_12-0-ginkgo.img.html

^[4] https://eu.dl.twrp.me/ginkgo/twrp-3.7.1_12-0-ginkgo.img

^[5] <https://pitchblackrecovery.com/docs/how-to-install/>

^[6] <https://crdroid.net/ginkgo/10>

^[7] <https://crdroid.net/ginkgo/9>

^[8] <https://crdroid.net/ginkgo/8>

^[9] <https://www.celsoazevedo.com/files/android/google-camera/how-to/>

^[10] <https://www.celsoazevedo.com/files/android/google-camera/dev-shamim/f/dl79/>

^[11] <https://crdroid.net/ginkgo/11/install>

^[12] https://en.miui.com/unlock/download_en.html

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^[15] <https://github.com/Canny1913/miunlock>

^[16] <https://forum.xda-developers.com/t/guide-an-updated-guide-about-unlocking-your-redmi-note-8-bootloader.4071031/>

^[17] <https://forum.xda-developers.com/t/closed-unlock-bootloader-xiaomi-redmi-note-8-ginkgo.4551425/>