

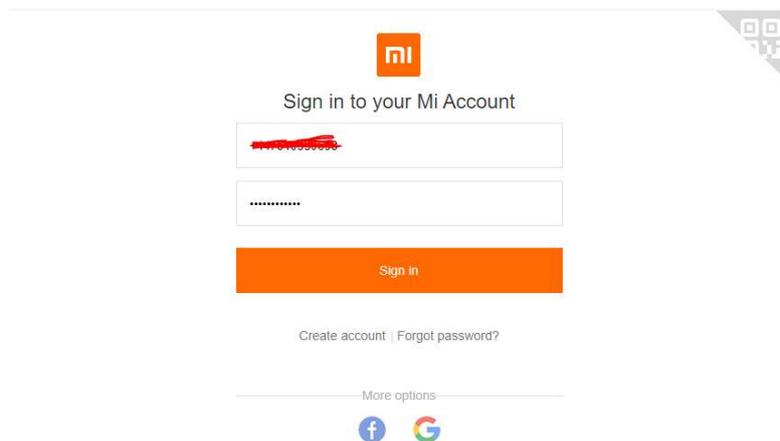
Mi 10 Ultra Guide

1. **Unlocking**
2. **Fastboot ROM Flashing**
3. **TWRP Install**
4. **TWRP Zip ROM Flashing**

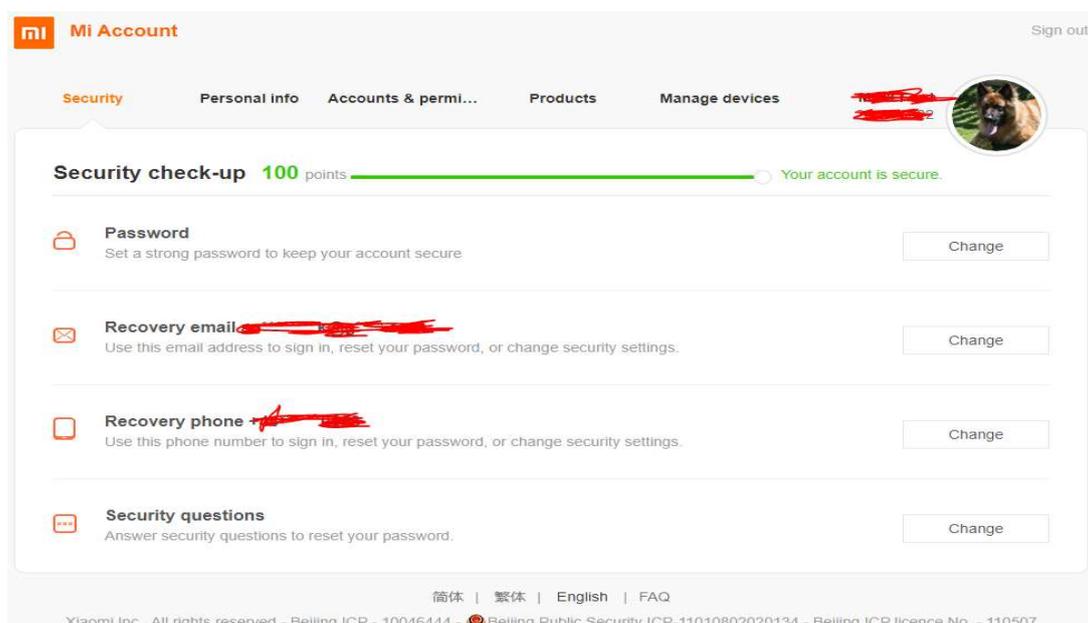
1. Xiaomi Unlocking Guide (links to my tools on a shared drive at the bottom of this guide)

You need to fully bond your account with Xiaomi before trying to unlock your phone and it will take at least a week (168 hours from starting to be able to unlock it). When you finish 'the unlock', after the waiting time, it will wipe (Format) your phone, so please make a backup first 'off of your phone'.

Go to <https://account.xiaomi.com/pass/serviceLogin?> or wherever you log in to your account at Xiaomi account and check your account page



You need to complete each stage on the security page to get 100 points as below



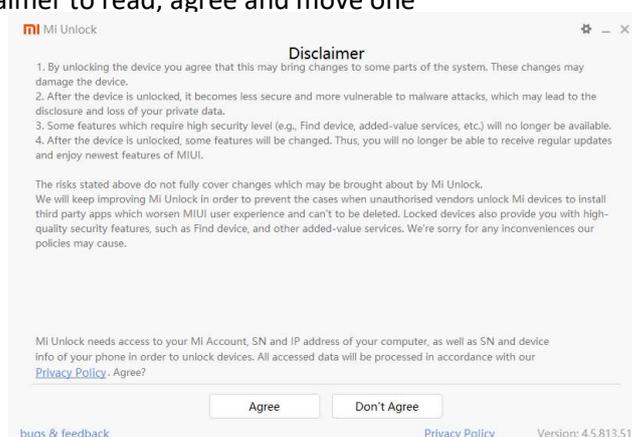
You can then start the unlock process

You need to press the 'allow to unlock' and action the unlock from developer options in Settings after tapping on 'Miui Version' 6 times, you will get this screen on your phone



You need to add your account details exactly as you did when verifying your account or the unlock will not work, this is very important and you must get your phone bound to your account to continue or you cannot unlock and it will keep coming back to this screen.

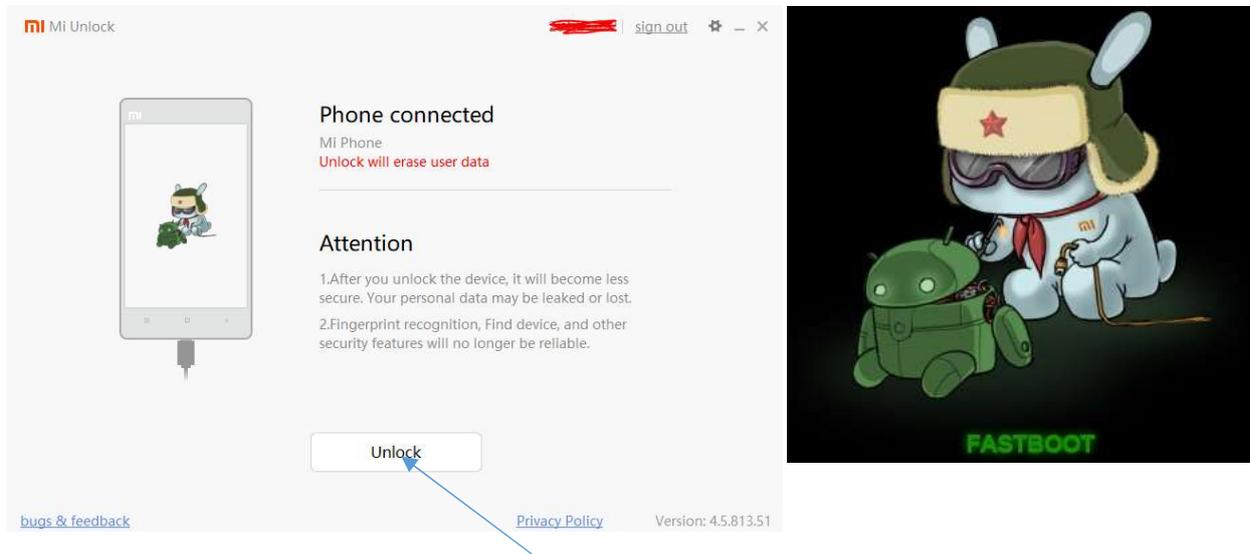
Either use the online unlock tool or [download this version to keep on your PC](#), both work the same, you first get the disclaimer to read, agree and move one



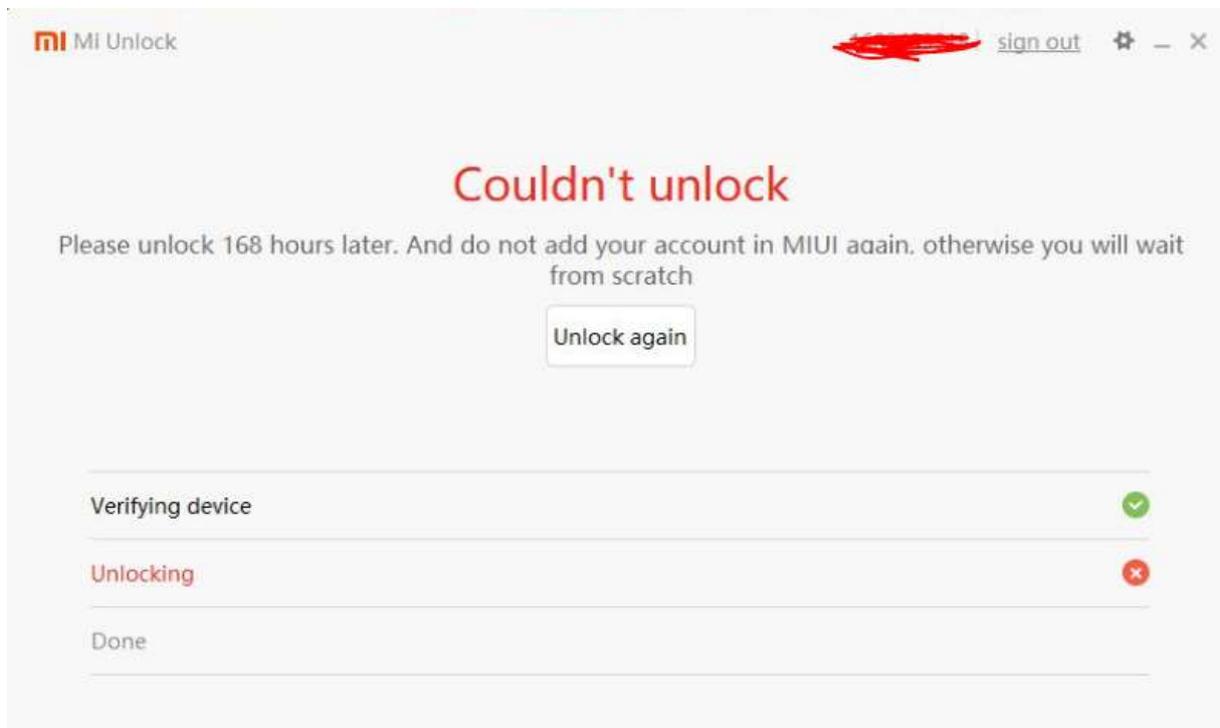
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Links changed to Mega

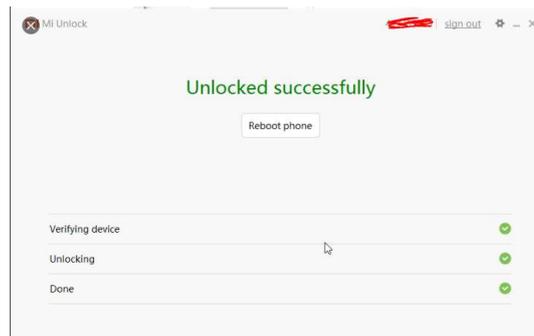
Now, sign in with your account exactly as recorded at Xiaomi in the first stage. It will check your phone permissions and check that it is in Fastboot Mode (That is to reboot the phone and hold the power button and Volume down button as it boots). Your phone screen will look like the image on the next slide and to the right. The PC screen will look like the image on the left.



When you press unlock the app will run and you will see the following screen inviting you to wait for 168 hours (one week) to give you time to think about it.



Come back a week later and do the same again and you will see the following picture after the unlock was successful.



Press reboot phone, it will wipe (Format) your phone and you are now unlocked. The unlock menu on your phone will now only have one button unlock / lock. If you install the EU ROM, you will not be able to lock your Bootloader anymore. You would need to return to stock Chinese to lock it again. This process does not make your phone any less able to access banking apps or Netflix, it just now allows the process of flashing your phone as long as you flash an EU ROM.

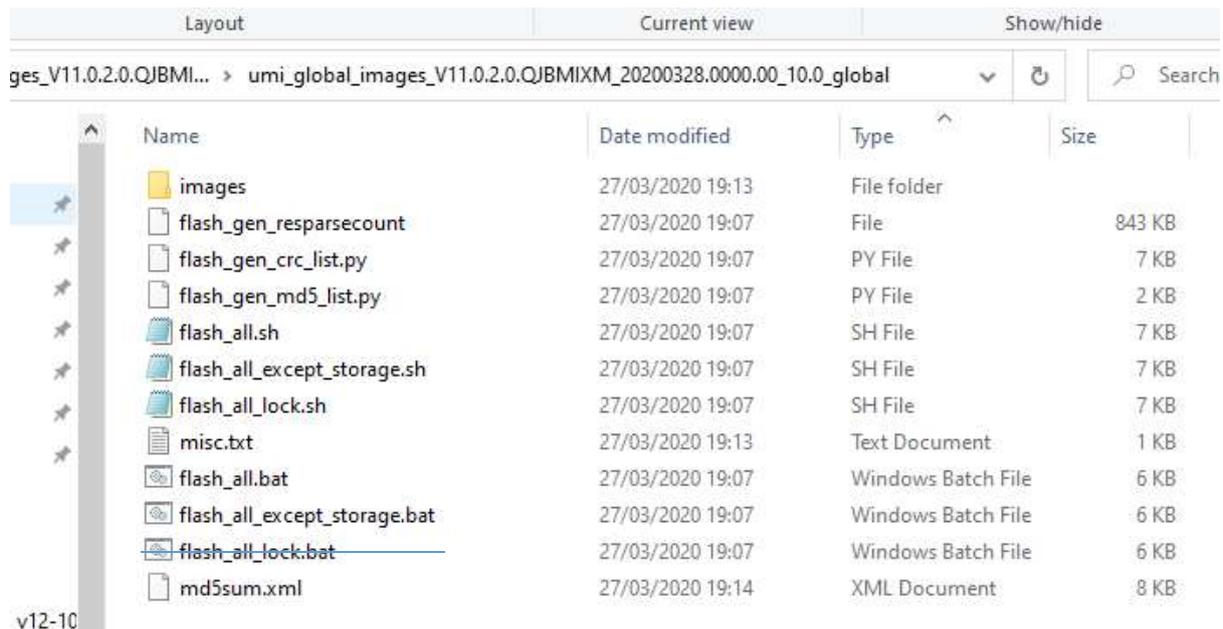
ROM Flashing

There are several ways to flash your phone, if it is a brand new model, then there may only be Fastboot ROMs available, this may well be the case on [Xiaomi.EU](https://xiaomi.eu) so I will explain this first.

Fastboot ROM Flashing

Locate and download to your PC a ROM package from the above site or try here at mifirm.net that is a Fastboot ROM. I would suggest that if it asks and this is the first time of flashing a ROM that you choose a stable version (the weekly or beta versions may not be as stable for a beginner).

The fastboot version will need to be extracted from the downloaded zip file and / or the tgz if it is that format. You may get a .tar file, so again, extract that to a folder on your PC. You need to get it extracted something like the below pic with each file visible. If it does not look like below, then you may have downloaded a standard TWRP zip install and not a Fastboot ROM. If you get a crc error while extracting, just ignore and continue to extract until it looks something like this folder:

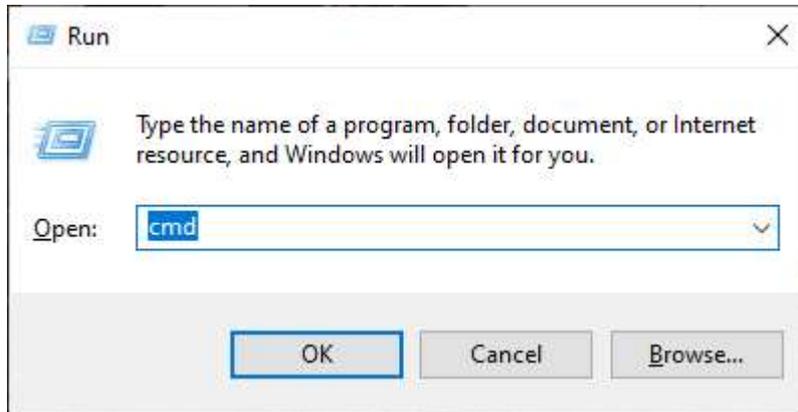


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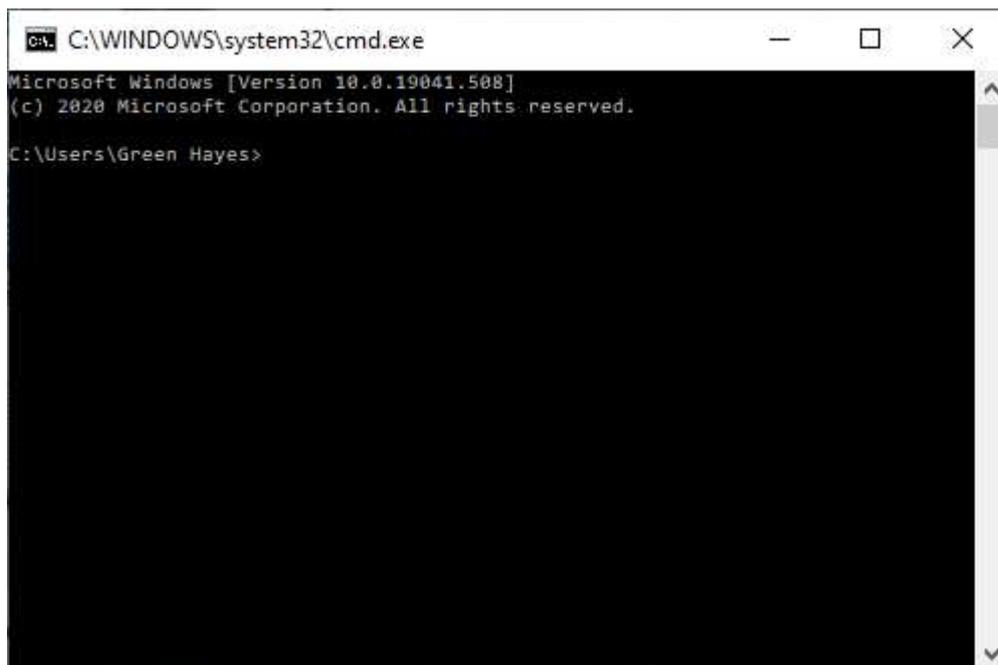
Links changed to Mega

You then need to get your phone in to Fastboot (Power off or reboot, then hold Power and volume down buttons while it boots) and then connect it to your PC and allow any drivers to finish loading.

On your PC, you need to open a command prompt (DOS window) so right click windows logo or press windows + R and type cmd on the line and press ok in the run box.



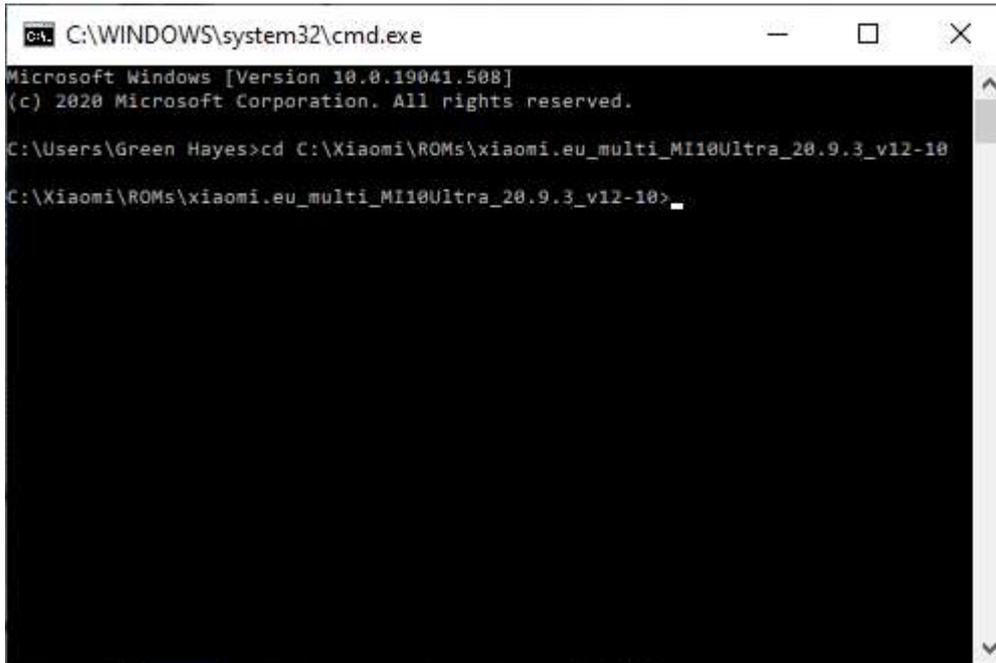
And you will get this (in my case), yours will show your PC name where mine shows Green Hayes



Next you need to change directory to where your downloaded and extracted files reside, in my case:

C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10

So in the cmd box type **cd C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10** (or whatever yours is in) to cd (change directory) to where the files are, you can paste the line in if you want. Your screen should change to show you are now in that directory on your PC as in the next picture.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19041.508]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Green Hayes>cd C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10
C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10>
```

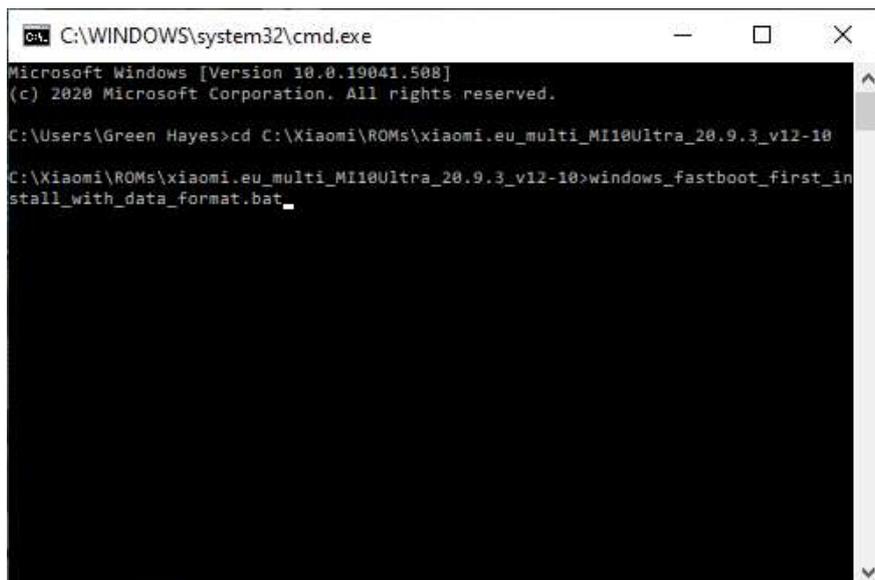
Please make sure you have a copy of the adb files put in to this folder as well. If you need a copy you can download a small app to install them from [here](#). You can then copy them to your folder.

Note: For one of the Fastboot ROMs for my phone, the Mi 10 Ultra, it was found that the version of *fastboot.exe* was different in somehow, so we needed to swap it as it did not flash every part of the ROM. It is up to you but if you want to use the one I used, [here is a link to it](#). The *Fastboot.exe* is in the platform tools folder in your extracted ROM.

You now need to type the command in to the DOS prompt on your PC. It may be of several types but it will be the name of a .bat file but please, never use any that mention **lock** as this will lock your bootloader after and may brick your phone it will be like this:

On Xiaomi EU ROMs type: ***windows_fastboot_first_install_with_data_format.bat***

On mifirm ROMs type: ***flash_all.bat***



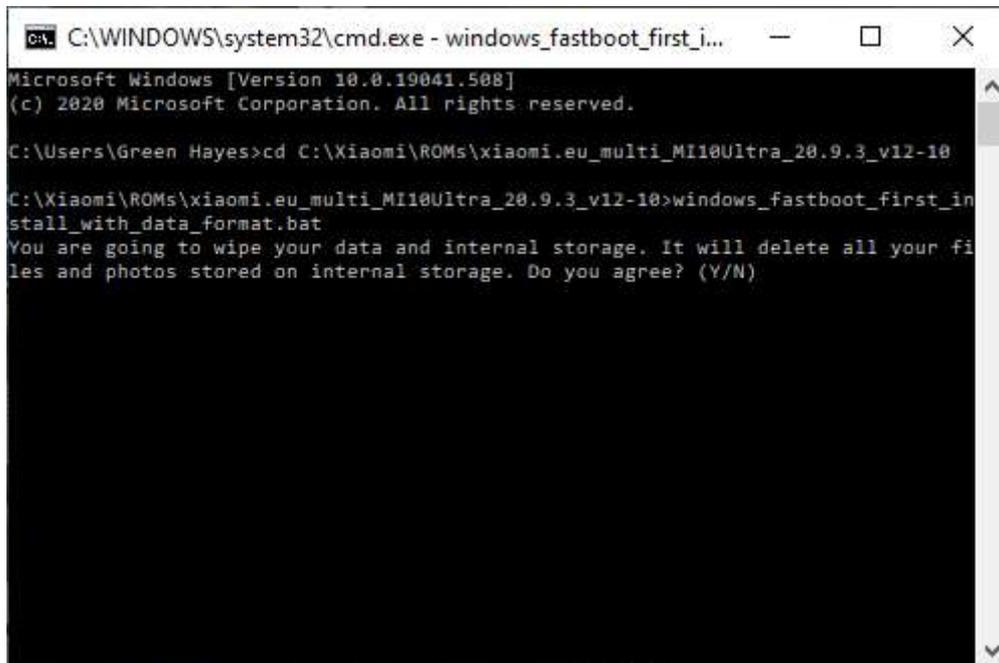
```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19041.508]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Green Hayes>cd C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10
C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10>windows_fastboot_first_in
stall_with_data_format.bat
```

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When you press enter it will run that file and it may or may not ask if you want to continue, press Y and enter again and it will wipe (Format) and flash the phone with new ROM, it may take a few minutes but when its done it should reboot its self.



```
C:\WINDOWS\system32\cmd.exe - windows_fastboot_first_i...
Microsoft Windows [Version 10.0.19041.508]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Green Hayes>cd C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10
C:\Xiaomi\ROMs\xiaomi.eu_multi_MI10Ultra_20.9.3_v12-10>windows_fastboot_first_in
stall_with_data_format.bat
You are going to wipe your data and internal storage. It will delete all your fi
les and photos stored on internal storage. Do you agree? (Y/N)
```

I can't show you as mine is already done.

And once rebooted you will get a flashed phone from start, so you will need to put all your details in and install the backup you made. The first start will take ages but as long as you see the MIUI logo, it is successful.

Flashing your Phone from TWRP

The other version of ROM is the standard ROM, weekly (Beta) or stable from EU or mifirm.net. The stable is the last version that is considered to be stable and generated from the original Chinese or Global stable ROM. The weekly ROM is still generated from the official ROMs but has the weekly updates added, so it is not classed as fully stable and should be noted as a Beta version but fully usable.

TWRP Install

Before flashing these ROMs you need to install a new recovery partition. This currently is TWRP. You can download your version from [here](#) on the EU forum pages or [Here](#) and [Here](#) for Xiaomi phones if available.

Put your extracted version in to a folder that has [minimal adb fastboot commands in](#). It should contain at least these files PLUS your twrp.img file (you may need to rename it if it helps)

Name	Date modified	Type	Size
twrp.img	18/09/2020 16:00	Disc Image File	131,072 KB
adb.exe	12/09/2019 19:25	Application	3,158 KB
AdbWinApi.dll	12/09/2019 19:25	Application exten...	96 KB
AdbWinUsbApi.dll	12/09/2019 19:25	Application exten...	62 KB
fastboot.exe	12/09/2019 19:25	Application	1,308 KB
misc.bin	12/07/2017 08:55	BIN File	8 KB

Connect your phone to your PC and put your phone in to fastboot (pwr and vol down), open a dos prompt as above (typing cmd in a run box) and change directory to where your TWRP.img is, so in my case

cd c:\Xiaomi\TWRP

```

C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19041.508]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Green Hayes>cd C:\Xiaomi\TWRP
C:\Xiaomi\TWRP>

```

Then type or copy this, ***fastboot flash recovery twrp.img*** and then press return

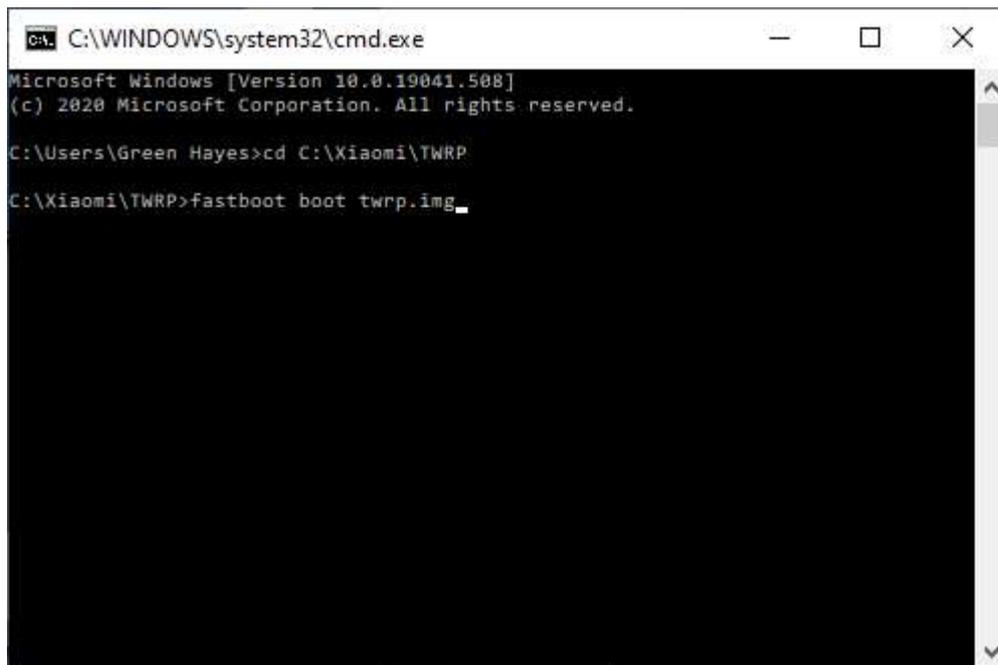
```

C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19041.508]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Green Hayes>cd C:\Xiaomi\TWRP
C:\Xiaomi\TWRP>fastboot flash recovery twrp.img

```

And then type or paste, ***fastboot boot twrp.img***



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19041.508]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Green Hayes>cd C:\Xiaomi\TWRP
C:\Xiaomi\TWRP>fastboot boot twrp.img_
```

This will reboot you into your newly flashed recovery partition, TWRP recovery.

Change languish to English if you need to. **WARNING: If you reboot now before flashing a custom ROM it may well over write your just flashed TWRP recovery, so it's best to just reboot it back to recovery (now TWRP) first. If you have a custom ROM already installed, then it is OK to reboot to system straight away.**

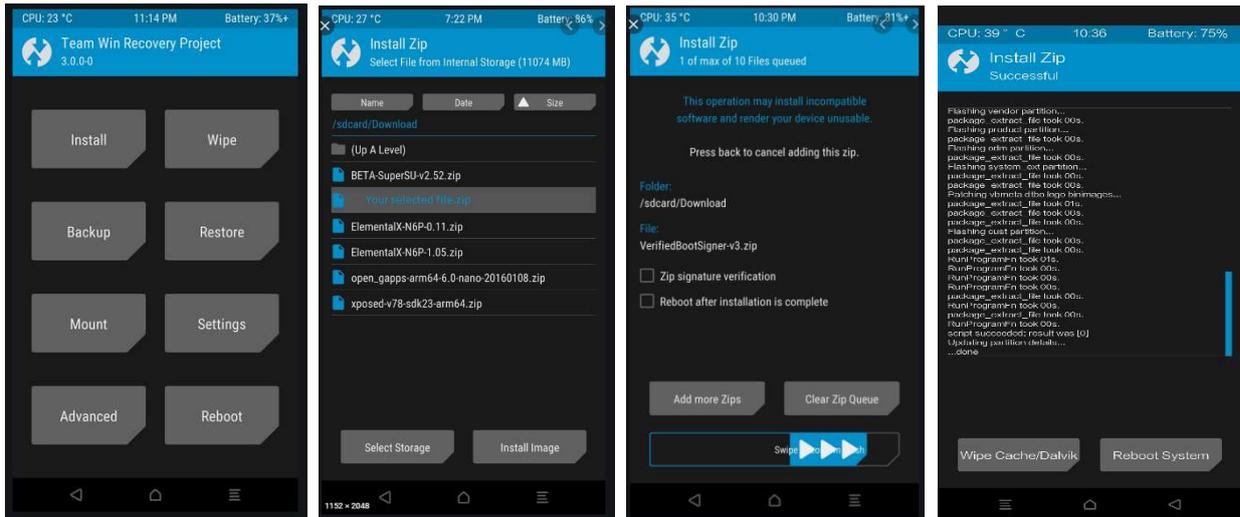
If you do overwrite it, no problem, just flash it again when you are ready to install your custom ROM and do it at the same time.

TWRP Zip ROM Flashing

Flashing your phone from a TWRP version (Xiaomi Weekly, Stable or other custom versions)

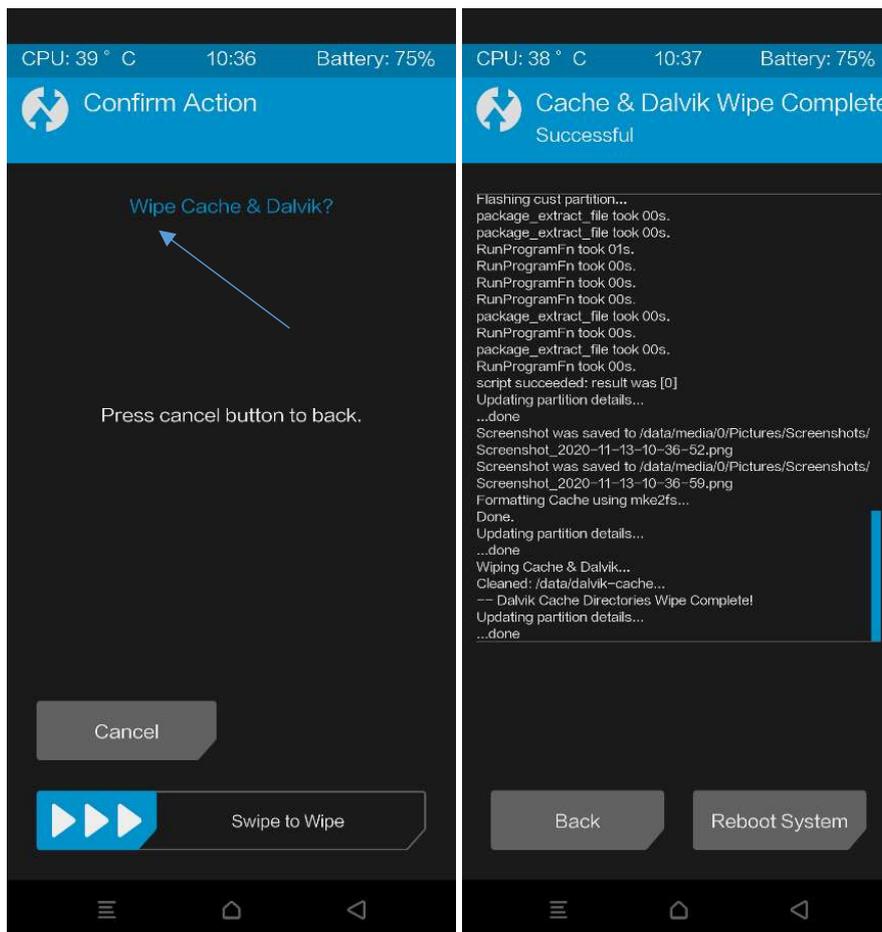
Locate and download the ROM you are going to flash from the weekly or stable branch on to your phone or download to PC and copy the zip files to your phone. It is not advisable to switch from one branch to another as you WILL have to wipe (Format) your phone, so once chosen, best staying in that branch but it is up to you.

Put your phone in to recovery by pressing reboot and holding down the volume up button, when it reboots (Pwr and Vol Up), you will see it has entered TWRP recovery and you may need to put your lock screen password in and you will come to its main screen as shown below.



Select Install and locate your downloaded zip filed ROM and select it, then slide the slider to the right to install (Flash) the ROM. It will run through the files and stop at the end. If your ROM is on your PC, you can Mount your PC using the mount button and copy the ROM over to your internal storage and then install it.

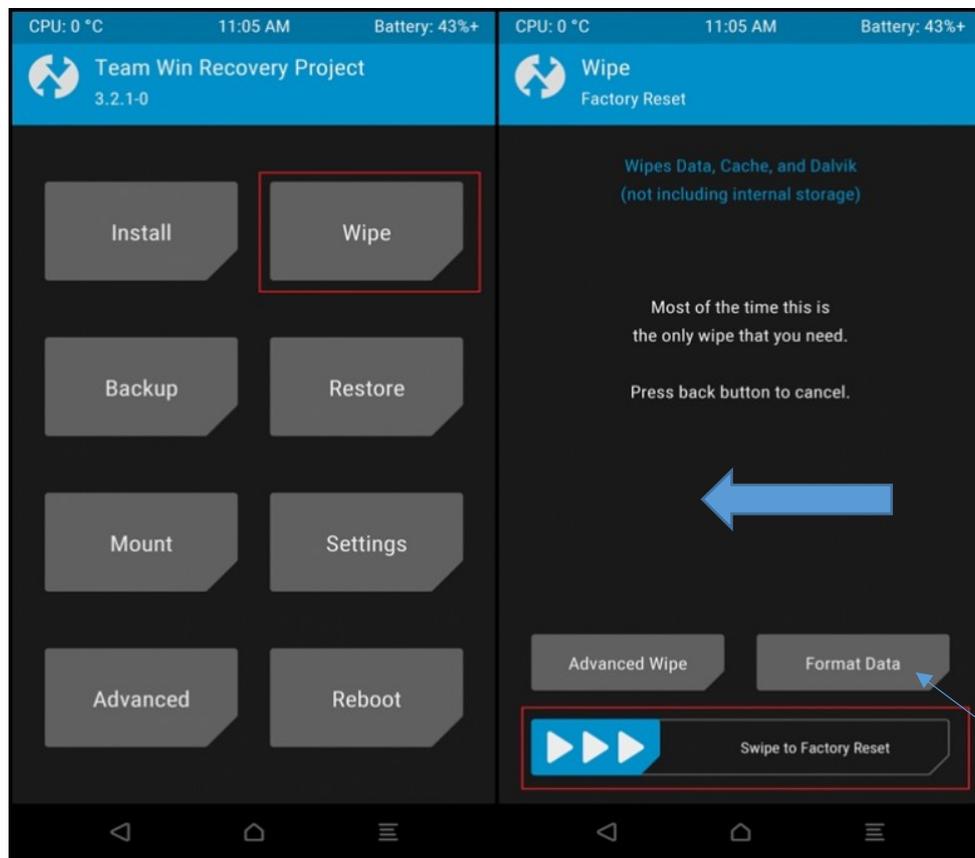
Once installed, you must now choose the wipe option in TWRP that is presented to you. If it's not, then go to wipe and only choose wipe Dalvik and Cache, do not Format. If it is just an update to wipe cache and Dalvik cache as next two images show or it may boot loop.



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You can now reboot to system and your newly installed (Flashed) ROM will boot NOT over writing your own data. If it is a different branch or the first time you are flashing on a new phone then you will need to press format data, not just wipe before reboot or it may just reboot to TWRP again until you do, especially on the first flashing of any new version ROM.



You can now reboot to system and your newly installed (Flashed) ROM will boot on a blank formatted phone. You can now start the process of copying your data over.

I have various tools for Xiaomi phones, flashing modding etc. on a shared drive [here](#), feel free to download any or all of them. Happy Flashing.

Tools ([whole Folder](#)):

[Copy of working fastboot](#)

[MiFlash Unlock tool](#)

[Mi Flash](#)

[Minimal ADB and Fastboot](#)

[Mi Phone Assistant](#)

[Scrcpy](#)

[Tool All In One](#)

[Xiaomi PC Suite](#)

[XMT2 for Windows](#)

[Xiaomi ADB Fastboot Tools](#)

There are many guides around, this is mine, images are a mix of mine and web, so thank you to any owners of them.

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Links changed to Mega