

# TCL Flip 2 (T408DL)

*USB Debugging, Root, and apk installation on phones that **###DEBUG###** is blocked*

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## Credits

**[neutronscoot]** (Github, Apps4flip) - modified boot img & magisk mouse module. This would not be possible without him!

[Github Wiki](#)

**[u/\_\_\_Master\_\_\_Of\_\_\_None\_\_\_]** (Reddit)

mtkfastboot (that works after trying many) & link to app that can change resolution from notifications - you can check out this users guide for phones that **###DEBUG###** is enabled at

[Guide](#)

**[u/chet50]** (Reddit)

I was originally enabling developer options and USB debugging by modifying system files. He found an apk that can enable these items if you are rooted. Thanks!

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I got this phone about a week or two ago and was super pissed to find out that TCL blocked the dialer code for enabling usb debugging.

I want to build a rom with some extra features, but that might take some time, so here's a method to get some freedom on your phone.

**This guide will fully format your device! Take a backup of your files.**

**ALL COMMANDS ARE WITHOUT QUOTES**

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## Here's what you need to do

Download zip & extract: [Tcl Flip 2 Files](#)

Open "**mtkfastboot & drivers**", install **mtkdrivers.exe**, then reboot your pc. Reopen the folder and click on "**mtkfastboot.exe**". You should see a command window open and say something like "com port found...waiting".

Turn off your phone, wait a few seconds to make sure it's off, and plug it into your pc. The command window should close, and your phone should boot into fastboot. If it doesn't work, you can turn off your phone again and plug it in while holding both volume buttons.

Open "**platform tools, files for flashing, & apk's**". Type "cmd" in the address bar of file explorer. A command window will open.

### **Execute these commands**

Type "**fastboot devices**", & see if your device is there. If not, check windows update for any optional driver updates.

Type "**fastboot flashing unlock**" & follow the prompts on your phone to unlock your bootloader.

Type "**fastboot flash boot neutron.img**"

### **"fastboot reboot"**

Once your phone is on, type **\*\*\*217703\*\*\*** and select magisk from the list of apps. Click yes to download the full version. Open it up and it should say it needs to reboot to set up magisk. After restarting input the dialer code and again, select magisk. It should say magisk 25.2 installed. If not, you should be able to install it (and reboot again). Reboot if you don't see it all in the menu.

Enable zygisk in magisk settings, and reboot. (You may try to continue the steps without zygisk, if you'd like.)

On your phones browser, enter this link: <https://tinyurl.com/adbioapk>

It should start a direct download of **adbio apk**.

Once downloaded, click on the notification (do not go to the file manager) follow the prompt to allow unknown sources. Once enabled, click the back button (not the end button) and install the app. Type in the launcher code, open up the app, grant root access, and click enable. USB debugging is now enabled.

Connect your phone to your pc and open a command window in the platform tools folder. Type "**adb devices**" and click "**allow**" and "**ok**" on your phone.

Execute these commands:

**"adb shell"**

**"settings put global development\_settings\_enabled 1"**

(This will enable developer options in settings/about phone)

OPTIONAL: **"wm size 321x428"**

(this will change the resolution and give you more screen space. If you don't mind having this on all the time, I recommend you keep it. The quality is a bit lower. You can skip this step and use reschanger to toggle back and forth from the notifications menu.)

**"adb install mrepo.apk"**

**"adb install reschanger.apk"**

**"adb install esfileexplorer.apk"**

**"adb install a4faccessibility.apk"**

Magisk seems to have a problem flashing zips on this phone sometimes, but mrepo has always worked for me.

Open mrepo, grant root access, and flash v2mouse.zip, located in the main folder you downloaded. Use es file explorer (not the stock file manager) to select the zip when prompted). Reboot.

### **Mouse instructions:**

Activate: Long press \* (fav contacts not number pad)

Deactivate: Press \*

Left click: OK or 1

Right click: 3

Increase speed: vol up

Decrease speed: vol down

Horizontal scroll: 4/6

Vertical scroll: 7/\* or 9/#

I have a lot of ideas to truly customize this phone, but I need some time and I figured that this was better than waiting.

Congrats! Enjoy your liberated flip 2!