OnePlus 6T Customization

Basic requirements

- Ensure that the device is on the latest Android 10 firmware.
- Ensure that the device has at least 60% battery remaining.
- First: if you use anything else than a PIN code to unlock your phone, change it now. Last TWRP image for Android 10 asks for a data decryption password. It will be easier if it's a PIN code. Go to Settings > System > Security and change your screen locking choice by a PIN code.
- Make sure your computer has adb and fastboot. Setup instructions can be found here.

Unlock Bootloader

The steps below only need to be run once per device. Unlocking the bootloader will erase all data on your device!

1. Prepare phone:
    1. Enable Developer options: Settings > System > About. Tap repeatedly on "build number"
    2. Go back to System, then go to developer options.
    3. Enable **USB debugging**
    4. Enable **bootloader OEM unlocking**, if present
    5. Enable **advanced reboot** options.
2. Connect the device to your PC via USB.
3. Boot into fastboot mode. Open a terminal window, and type:

```
adb reboot bootloader
```

   You can also achieve this via a key combination: With the device powered off, **hold Volume Up + Volume Down + Power**. You can also achieve this on the computer.

4. Once the device is in fastboot mode, verify your PC finds it by typing:

```
fastboot devices
```

   Tip: If you see no permissions fastboot while on Linux or macOS, try running fastboot as root.

5. Now type the following command to unlock the bootloader:

```
fastboot oem unlock
```

6. If the device doesn't automatically reboot, reboot it. It should now be unlocked.
7. Since the device resets completely, you will need to re-enable USB debugging to continue.
8. You can check if the device is actually unlocked by executing:

```
fastboot oem device-info
```

   It will tell you something like "device unlocked: true". Please note it will ask you to erase all of

your data, and that you must accept to continue.

Install TWRP

The OnePlus 6T uses the newer AB partition scheme first introduced on the Pixel 1. As such there is no recovery partition. Instead, the recovery is part of the boot image. You will temporarily boot TWRP to perform and later perform a more permanent TWRP installation.

1. Prepare phone:
   1. Enable Developer options: Settings > System > About. Tap repeatedly on "build number"
   2. Go back to System, then go to developer options.
   3. Enable **USB debugging**
   4. Enable **bootloader OEM unlocking**, if present. Make sure that from now on, OEM unlocking option is enabled before you reboot. Sometimes, it might get disabled itself.
   5. Enable **advanced reboot** options.
2. Connect the device to your PC via USB.
3. Download all the files:
   1. place Magisk & TWRP installer zip on Device Internal Memory
   2. place TWRP img on your PC
4. Boot into fastboot bootloader mode. Open a terminal window, and type:

```
adb reboot bootloader
```

   You can also achieve this via a key combination: With the device powered off, **hold Volume Up + Volume Down + Power**. You can also achieve this on the computer.

5. Temporarily boot into TWRP:

```
fastboot boot twrp img name
```

6. Now in TWRP, tap on Install and browse to the zip and install TWRP (the zip will probably be in /sdcard/Downloads).
7. TWRP will now be installed to both slots
8. PS: DO NOT BOOT IN OS JUST YET & CONTINUE TO THE ROOTING POST

Gaining Root Access

- Boot into TWRP Recovery - If you want to stay systemless continue without swiping right else Swipe and enable modifications. - Select your preferred Language, Tap "Never show this screen on boot again," and Swipe allow modification. - Navigate to Install and select Magisk to root. - Swipe to confirm the flash - Reboot System Keep in mind that the first boot after wiping the phone may take longer than usual, as the phone will need to rebuild the dalvik cache and initialize other first boot and might reboot a few times.

Links

[Guide] OnePlus 6T [Fajita]: Unlock | Flash TWRP | Root | Nandroid & EFS Backup

[HOWTO] Flash /e/ OS on an A/B partitioned device OnePlus 6T

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