

List of All Fastboot Commands with Examples (PDF)



Complete List of Fastboot Commands

Warning: Fastboot commands can brick or damage your device if used irresponsibly. Also, Fastboot commands do not work on Samsung devices.

Get Information about Fastboot

- `fastboot help`
- `fastboot oem help`
- `fastboot oem hw help`

You can use these 3 Fastboot commands to get information about commands, parameters, and conditions along with their descriptions.

Check Fastboot Connection Status

```
fastboot devices  
fastboot devices [-l] (with the path of the device/s)
```

This command shows the list of devices connected to your computer.

```
Windows PowerShell  x + v - □ x  
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows  
PS C:\Technastic\platform-tools> fastboot devices  
60ac2195      fastboot  
PS C:\Technastic\platform-tools>
```

Get Device Information

```
fastboot oem
```

There are some interesting variations of the 'fastboot oem' command that work with different parameters as described below:

```
fastboot oem device-info
```

The above command, for instance, will display a detailed list of information about your Android device. Similarly, you can add the following parameters after **fastboot oem** to perform certain tasks and get more info.

- `setbrightness`
- `get_config`
- `set_config`
- `rm_config`
- `esim_erase`
- `esim_atp`
- `uart`
- `HALT`
- `sha1sum`
- `ddrtest`
- `ramdump`
- `dmesg`
- `rma`
- `ramdump_sahara`
- `dump-chipid`
- `check-hw-security`
- `get_platform_info`
- `set_platform_info`
- `select-display-panel`
- `off-mode-charge`
- `set_display_power_mode`
- `enable-factory-lock`
- `factory-lock`
- `continue-factory`

Display Miscellaneous Info about Android Device

- `fastboot getvar [NAME]`
- `fastboot getvar battery-status`

- `fastboot getvar battery-voltage`
- `fastboot getvar boot-mode`
- `fastboot getvar build-mode`
- `fastboot getvar cidnum`
- `fastboot getvar gencheckpt`
- `fastboot getvar imei`
- `fastboot getvar meid`
- `fastboot getvar modelid`
- `fastboot getvar partition-layout`
- `fastboot getvar platform`
- `fastboot getvar product`
- `fastboot getvar security`
- `fastboot getvar serialno`
- `fastboot getvar version`
- `fastboot getvar version-baseband`
- `fastboot getvar version-bootloader`
- `fastboot getvar version-cpld`
- `fastboot getvar version-main`
- `fastboot getvar version-microp`
- `fastboot getvar version-misc`

GetVar means “get variables”. To get even more information about your Android phone or tablet, use the Fastboot commands listed above.

Fastboot Command to Unlock the Bootloader

- `fastboot oem unlock`
- `fastboot flashing unlock`

This command can unlock the bootloader on Android devices from OEMs like Google Pixel, OnePlus, Motorola, Nokia, etc. You may also need an unlock key from your device manufacturer to unlock the bootloader.

Relock the Bootloader

- `fastboot oem lock`
- `fastboot flashing lock`

Once unlocked the bootloader, you can relock it later by using the above command.

Reboot Android Device

```
fastboot reboot
```

This command reboots your device into the ROM.

Reboot Android Devices into FastbootD Mode

```
fastboot reboot fastboot
```

When your Android device is still booted into Fastboot, you can use this command to reboot into FastbootD mode.

Reboot the Device into the Recovery Mode

```
fastboot reboot recovery
```

Reboots Android devices into Recovery mode.

Reboot the Device into the Bootloader Mode

```
fastboot reboot bootloader
```

Sometimes, you may need to reboot the Fastboot or Bootloader mode while flashing images. This command will do that for you.

Fastboot Commands to Flash System Image File and TWRP

```
fastboot flash
```

This command is used to flash factory images, recovery, boot, radio, system, and other images to your Android device. Check out these examples:

- `fastboot flash boot boot.img`
- `fastboot flash system system.img`
- `fastboot flash recovery recovery.img`
- `fastboot flash cache cache.img`
- `fastboot flash modem NON-HLOS.bin`
- `fastboot flash sbl1 sbl1.mbn`
- `fastboot flash dbi sdi.mbn`

- `fastboot flash about emmc_appsboot.mbn`
- `fastboot flash rpm rpm.mbn`
- `fastboot flash tz tz.mbn`
- `fastboot flash LOGO logo.bin`

Similarly, you can use the following command to flash TWRP recovery.

```
fastboot flash recovery twrp.img
```

```
fastboot flash recovery TWRP-recovery.zip
```

Boot into TWRP via Fastboot

```
fastboot boot recovery twrp.img
```

Boot your Android device into a custom recovery mode temporarily without flashing it.

Format the Userdata Partition

```
fastboot erase userdata
```

You can use this command to erase your phone's data.

Flash All Partitions at Once

```
fastboot -w flashall
```

If you want to flash all partitions on your Android device at once, you can use the above Fastboot command.

Restore from Backed-up Images

If you have backed up the system, data, and cache image files from your phone and want to restore them, you can do that by erasing the current partitions and flashing the backed-up images saved on your computer. Make sure to issue the commands given below in the same sequence.

- `fastboot erase system`
- `fastboot erase data`
- `fastboot erase cache`

Once you have erased the above partitions, use these commands to restore your backup:

- `fastboot flash system system.img`
- `fastboot flash data data.img`
- `fastboot flash cache cache.img`