

ADB Commands List – A Complete Cheat Sheet



adb

Get the ADB version and all possible commands associated with ADB.

adb -s

Redirect commands to a specific device when many devices are connected.

```
adb -s <deviceName> <command>
```

adb -d

This command directs the command to a device connected via USB.

```
adb -d <command>
```

adb -e

Use this command to direct ADB commands to a connected emulator.

```
adb -e <command>
```

adb devices

This is one of the most used ADB commands as it is used to check the list of the Android devices connected to your computer.

```
adb devices -l
```

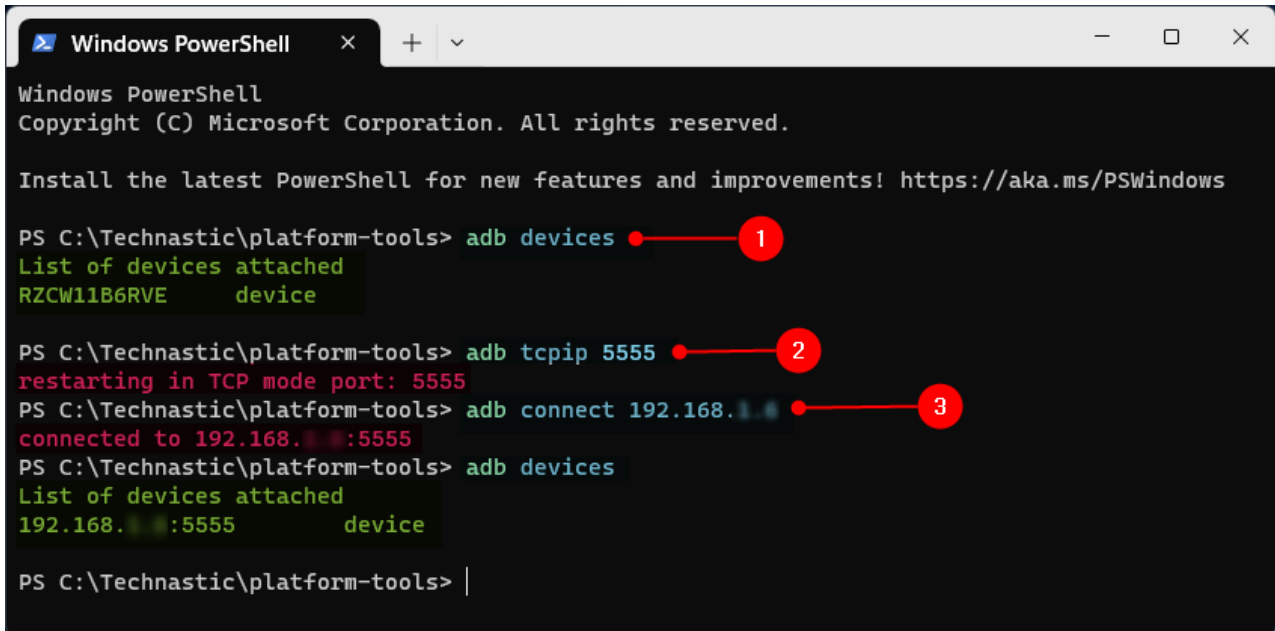
List connected devices by model or product number.

adb devices //show devices attached

This is similar to the 'adb devices' command that shows you the list of connected Android devices and emulators to your computer.

adb connect ip-address-of-device

Find out and connect the IP address of your Android device to your PC. You can use this ADB command to [set up ADB over Wi-Fi](#).



```
Windows PowerShell
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PS C:\Technastic\platform-tools> adb devices 1
List of devices attached
RZCW11B6RVE    device

PS C:\Technastic\platform-tools> adb tcpip 5555 2
restarting in TCP mode port: 5555
PS C:\Technastic\platform-tools> adb connect 192.168.1.100 3
connected to 192.168.1.100:5555
PS C:\Technastic\platform-tools> adb devices
List of devices attached
192.168.1.100:5555    device

PS C:\Technastic\platform-tools> |
```

adb help

Displays the help documentation on all ADB commands.

adb root

Restarts `adb` with root permissions.

adb version

Find out the version of the ADB driver installed on your computer.

adb reboot

Reboot your Android phone or tablet into the bootloader, fastboot, or recovery mode.

adb reboot bootloader

Reboot your Android device into the Fastboot or Bootloader Mode. The command is often used when you want to flash the factory images or a custom recovery.

adb reboot download

Boot Samsung devices into the Download Mode or Odin Mode.

adb reboot recovery

Reboot your device into Android Recovery mode.

adb install

Usually, we transfer an APK file to our Android device and install it via File Manager. This command makes it easy to sideload APK files directly from your computer. To be able to do so, copy the APK file to the SDK platform-tools folder first. There are some variations of this command for different conditions.

```
adb install com.facebook.katana.apk
```

While you can install an APK on your Android devices using the above command, you can use the command below to update or reinstall an app without deleting its data.

```
adb install -r com.facebook.katana.apk
```

Some apps support installation on the SD card. The following ADB commands move an app to the SD storage.

```
adb install -s com.facebook.katana.apk
```

```
adb install -k <add the path of the .APK file on your computer>
```

adb uninstall

Uninstall an app from your phone or tablet.

```
adb uninstall com.facebook.katana
```

Uninstall an app but keep its data and cache files using the '-k' parameter as shown below.

```
adb uninstall -k com.facebook.katana
```

adb usb

Find the Android device or emulators currently connected to your Windows, Mac, or Linux computer.

adb logcat

See the log data of your Android device on your computer. You can also use parameters like '-c' (clear) and '-d' (save) with the command.

```
adb logcat -c // clear //
```

Clear all existing logs on your Android phone or tablet. To save the logcat data on your PC, use the following command.

```
adb logcat -d > [path_to_file] //
```

adb start-server

Start the adb server in case it stops responding. It's often used after killing the adb server as described below.

adb kill-server

Kill the ADB server if it is not functioning properly. It's similar to turning off our Android devices to fix small issues.

adb sideload

Sideload software **update.zip** file to an Android device using your computer. If you have a flashable update.zip, copy it to the '**platform-tools**' folder and execute the following command. If the zip file has a different name, rename it to "update.zip" for convenience.

```
adb sideload update.zip
```

Alternatively, you can sideload or flash update zip packages using Android Recovery or TWRP Recovery. For that, you will have to transfer the update.zip file to your device, reboot your Android into recovery mode, and select the "**Apply update from sdcard**" option.

adb pull

Download or pull files stored on your Android device to your computer. The pulled files are saved to the 'platform-tools' folder.

```
adb pull /sdcard/video-01.mp4
```

To pull a file to a specific location or drive (D drive, for instance) on your PC, mention the location path as shown below.

```
adb pull /sdcard/video-01.mp4 d:\
```

adb push

Push a file from your computer to your device. Please note that you'll have to transfer the file you want to push to the 'platform-tools' directory. For instance, to push a file to your Android device's SD card, use the following command.

```
adb push com.whatsapp_2.19.368-453132.apk /sdcard
```

Send a file to your device stored in a specific location on your computer.

```
adb push d:\com.whatsapp_2.19.368-453132.apk /sdcard
```

adb backup //

Create or take a full backup of your Android to your computer.

adb restore //

Restore the backup you have already created.

adb bugreport

Diagnose issues on Android devices. Its execution can show you log data, dumpstate, and dumsys from your Android device on your computer.

adb jdwp

See the list of JDWP processes on your PC. JDWP means Java Debug Wire Protocol.

adb get-state

Print the device state in the command window.

adb get-serialno

Find out the ADB instance serial number.

adb get-state

Shows the ADB status of a connected device or emulator.

adb wait-for-device

This program tells ADB to wait and keep the connection on hold until the next command is issued.