|  |
| --- |
| // http://stackoverflow.com/questions/7789826/adb-shell-input-events |
|  |  |
|  | 0 --> "KEYCODE\_0" |
|  | 1 --> "KEYCODE\_SOFT\_LEFT" |
|  | 2 --> "KEYCODE\_SOFT\_RIGHT" |
|  | 3 --> "KEYCODE\_HOME" |
|  | 4 --> "KEYCODE\_BACK" |
|  | 5 --> "KEYCODE\_CALL" |
|  | 6 --> "KEYCODE\_ENDCALL" |
|  | 7 --> "KEYCODE\_0" |
|  | 8 --> "KEYCODE\_1" |
|  | 9 --> "KEYCODE\_2" |
|  | 10 --> "KEYCODE\_3" |
|  | 11 --> "KEYCODE\_4" |
|  | 12 --> "KEYCODE\_5" |
|  | 13 --> "KEYCODE\_6" |
|  | 14 --> "KEYCODE\_7" |
|  | 15 --> "KEYCODE\_8" |
|  | 16 --> "KEYCODE\_9" |
|  | 17 --> "KEYCODE\_STAR" |
|  | 18 --> "KEYCODE\_POUND" |
|  | 19 --> "KEYCODE\_DPAD\_UP" |
|  | 20 --> "KEYCODE\_DPAD\_DOWN" |
|  | 21 --> "KEYCODE\_DPAD\_LEFT" |
|  | 22 --> "KEYCODE\_DPAD\_RIGHT" |
|  | 23 --> "KEYCODE\_DPAD\_CENTER" |
|  | 24 --> "KEYCODE\_VOLUME\_UP" |
|  | 25 --> "KEYCODE\_VOLUME\_DOWN" |
|  | 26 --> "KEYCODE\_POWER" |
|  | 27 --> "KEYCODE\_CAMERA" |
|  | 28 --> "KEYCODE\_CLEAR" |
|  | 29 --> "KEYCODE\_A" |
|  | 30 --> "KEYCODE\_B" |
|  | 31 --> "KEYCODE\_C" |
|  | 32 --> "KEYCODE\_D" |
|  | 33 --> "KEYCODE\_E" |
|  | 34 --> "KEYCODE\_F" |
|  | 35 --> "KEYCODE\_G" |
|  | 36 --> "KEYCODE\_H" |
|  | 37 --> "KEYCODE\_I" |
|  | 38 --> "KEYCODE\_J" |
|  | 39 --> "KEYCODE\_K" |
|  | 40 --> "KEYCODE\_L" |
|  | 41 --> "KEYCODE\_M" |
|  | 42 --> "KEYCODE\_N" |
|  | 43 --> "KEYCODE\_O" |
|  | 44 --> "KEYCODE\_P" |
|  | 45 --> "KEYCODE\_Q" |
|  | 46 --> "KEYCODE\_R" |
|  | 47 --> "KEYCODE\_S" |
|  | 48 --> "KEYCODE\_T" |
|  | 49 --> "KEYCODE\_U" |
|  | 50 --> "KEYCODE\_V" |
|  | 51 --> "KEYCODE\_W" |
|  | 52 --> "KEYCODE\_X" |
|  | 53 --> "KEYCODE\_Y" |
|  | 54 --> "KEYCODE\_Z" |
|  | 55 --> "KEYCODE\_COMMA" |
|  | 56 --> "KEYCODE\_PERIOD" |
|  | 57 --> "KEYCODE\_ALT\_LEFT" |
|  | 58 --> "KEYCODE\_ALT\_RIGHT" |
|  | 59 --> "KEYCODE\_SHIFT\_LEFT" |
|  | 60 --> "KEYCODE\_SHIFT\_RIGHT" |
|  | 61 --> "KEYCODE\_TAB" |
|  | 62 --> "KEYCODE\_SPACE" |
|  | 63 --> "KEYCODE\_SYM" |
|  |  |
|  | 64 --> "KEYCODE\_EXPLORER" |
|  | 65 --> "KEYCODE\_ENVELOPE" |
|  | 66 --> "KEYCODE\_ENTER" |
|  | 67 --> "KEYCODE\_DEL" |
|  | 68 --> "KEYCODE\_GRAVE" |
|  | 69 --> "KEYCODE\_MINUS" |
|  | 70 --> "KEYCODE\_EQUALS" |
|  | 71 --> "KEYCODE\_LEFT\_BRACKET" |
|  | 72 --> "KEYCODE\_RIGHT\_BRACKET" |
|  | 73 --> "KEYCODE\_BACKSLASH" |
|  | 74 --> "KEYCODE\_SEMICOLON" |
|  | 75 --> "KEYCODE\_APOSTROPHE" |
|  | 76 --> "KEYCODE\_SLASH" |
|  | 77 --> "KEYCODE\_AT" |
|  | 78 --> "KEYCODE\_NUM" |
|  | 79 --> "KEYCODE\_HEADSETHOOK" |
|  | 80 --> "KEYCODE\_FOCUS" |
|  | 81 --> "KEYCODE\_PLUS" |
|  | 82 --> "KEYCODE\_MENU" |
|  | 83 --> "KEYCODE\_NOTIFICATION" |
|  | 84 --> "KEYCODE\_SEARCH" |
|  | 85 --> "KEYCODE\_MEDIA\_PLAY\_PAUSE" |
|  | 86 --> "KEYCODE\_MEDIA\_STOP" |
|  | 87 --> "KEYCODE\_MEDIA\_NEXT" |
|  | 88 --> "KEYCODE\_MEDIA\_PREVIOUS" |
|  | 89 --> "KEYCODE\_MEDIA\_REWIND" |
|  | 90 --> "KEYCODE\_MEDIA\_FAST\_FORWARD" |
|  | 91 --> "KEYCODE\_MUTE" |
|  | 92 --> "KEYCODE\_PAGE\_UP" |
|  | 93 --> "KEYCODE\_PAGE\_DOWN" |
|  | 94 --> "KEYCODE\_PICTSYMBOLS" |
|  | 111--> keypad down or back |
|  | 122 --> "KEYCODE\_MOVE\_HOME" |
|  | 123 --> "KEYCODE\_MOVE\_END" |

For sms sending

adb shell am start -a android.intent.action.SENDTO -d sms:CCXXXXXXXXXX --es sms\_body "SMS BODY GOES HERE" --ez exit\_on\_sent true

adb shell input keyevent 22

adb shell input keyevent 66

for camera

1. Image capture mode: adb shell "am start -a android.media.action.IMAGE\_CAPTURE"
2. Video capture mode: adb shell "am start -a android.media.action.VIDEO\_CAPTURE"

**Other information**

1. To focus: adb shell "input keyevent KEYCODE\_FOCUS"
2. To take a photo or start/stop recording: adb shell "input keyevent KEYCODE\_CAMERA"

**ADB general commands**

**adb +**

start-server - starts an ADB daemon.  
kill-server - kills the ADB daemon.  
devices - shows the list of plugged in devices (you can also use adb devices -l).  
pull {path\_to\_file.apk} {path\_to\_save} - fetches an app from the system.  
push {path\_to\_file.apk} {path\_to\_save} - sends the app to the system, e.g. add push <apk file> /system/app.   
install {path\_to\_file.apk} - installs an apk from a specific path (if you plug in more than one device, you need to indicate where you want to install the apk with -sparameter: adb -s {deviceIDfromList} install {path\_to\_file.apk).  
uninstall "package.name" - uninstalls the app using the app’s package. You can also apply -s parameter to determine a device.  
remount - remounts the /system, /vendor (if present) and /oem (if present) partitions on the device read-write - you can use that when write permissions are not set.  
shell - gives an access to the shell.  
logcat - logs all events from a device. You can save logs to file using -s parameter: adb logcat -s TAG\_OF\_THE\_CLASS > "YourLogs.txt"  
**help - cheatsheet of almost every command you will need.**

**ADB shell commands**

**adb shell +**

getprop ro.build.version.release - shows the version of Android system.  
dumpsys battery | grep level - battery level.  
dumpsys package com.PackageName.enterprise - dumps app permission state.

pm list packages -f - shows a list of packages / applications installed in the system.  
pm list packages -f | cut -f 2 -d "=" - lists all installed apps. pm list packages | awk -F ":" '{print $2}' - the same as above.

am start -n [com.package.name/com.package.name.ActivityName](http://com.package.name/com.package.name.ActivityName) - starts an Activity pointed by you (in the same manner you can run an Android Service).

pm list permissions -d -g - list permissions and status by group.  
pm [grant|revoke] <permission-name> - grant or revoke one or more permissions, for example: adb shell pm revoke com.PackageName.enterprise android.permission.READ\_CONTACTS

**Basic operations with Android Settings:**

am start -a android.bluetooth.adapter.action.REQUEST\_ENABLE - turns on Bluetooth.  
am start -n com.android.settings/.wifi.WifiSettings - opens WiFi.   
am start -n com.android.settings/.wifi.WifiInfo - fetches WiFi info.  
am start -n com.android.settings/.wifi.WifiStatusTest - shows WiFi status.  
am start -n com.android.settings/.LanguageSettings - opens language settings.  
am start -n com.android.settings/.DevelopmentSettings - opens development options.  
am start -n com.android.settings/.DateTimeSettingsSetupWizard - sets up Date / Time.

As **root** using service call:  
su -c service call bluetooth\_manager 6 turn bluetooth on - turns on Bluetooth.su -c service call bluetooth\_manager 8 turn bluetooth off - turns off Bluetooth.

As **non-root** using **key events**:  
am start -a android.settings.BLUETOOTH\_SETTINGS - opens Bluetooth settings.  
input keyevent 19 - a key event for *up* button.   
input keyevent 23 - a key event for *enter / return* (Dpad center).

**Useful links**

1. [What’s the Android ADB shell “dumpsys” tool and what are its benefits?](http://stackoverflow.com/questions/11201659/whats-the-android-adb-shell-dumpsys-tool-and-what-are-its-benefits)
2. <https://developer.android.com/studio/command-line/adb.html>
3. <https://developer.android.com/studio/command-line/shell.html>
4. [Gist - list all installed packages in android adb shell](https://gist.github.com/davidnunez/1404789)

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For bt

Enable:

adb shell service call bluetooth\_manager 6

Disable:

adb shell service call bluetooth\_manager 8