

Android

- ADB
- System recovery mode

ADB

Android Debugging Bridge - Basics

Enable developer mode (Samsung)

- **Go** to 'Settings'
- **Go** to 'Device Info'
 - **Press** the 'Buildnumber' 7 times
- Developer mode is now activated

Enable USB debugging (ADB)

- **Go** to 'Settings'
- **Go** to 'Developer Options'
 - **Press** to *check* to enable the 'USB debugging' feature

Minimal ADB and Fastboot (Windows)

- **Download** [Minimal ADB and Fastboot V1.3.1](#)
- **Open** cmd.exe (start > run > "cmd.exe" > enter)
- **Type** in cmd the following command:

```
cd C:\Program Files (x86)\Minimal ADB and Fastboot
```

Device Factory Reset

- Samsung: **Press and hold** *Home + Volume Up + Power*

Search and logging

Search for packages (commands)

```
adb shell
```

```
pm list packages
```

- Shows all available packages

```
pm list packages | grep <app.name>
```

- Shows only the package(s) named <app.name>*

Logcat

```
adb logcat > C:\Users\wwiki\Desktop\androidlogging\logcat.txt
```

```
adb logcat -v long > logfile.txt
```

Backup

Command parameters

- adb backup [-f <file>] [-apk|-noapk] [-shared|-noshared] [-all] [-system|nosystem] [<packages...>]

- **Example**

```
adb backup -apk -shared -all -system -f
```

```
C:\Users\%username%\Desktop\ADBT00L\AndroidBackups\xcover3-backup.ab
```

Summary

- -f <file>

Use this to choose where the backup file will be stored, e.g. '-f /backup/mybackup.ab', which will save it at the root of your drive (C:\ for Windows, etc.) in a folder called backup, as a file named 'mybackup.ab'. I recommend using this flag to set a location manually, as with my first backup test, it said that it completed successfully, but I was unable to locate the backup file. I have no idea where it was saved, but it wasn't where it should have been located.

- -apk | -noapk

This flags whether or not the APKs should be included in the backup or just the apps' respective

data. I personally use `-apk` just in case the app isn't available in the Market, so that I don't have to go hunt it down again. The default is `-noapk`.

- `-shared` | `-noshared`

This flag is used to "enable/disable backup of the device's shared storage / SD card contents; the default is `noshared`.", which for the Nexus I would certainly flag to `-shared`, but from my test, it did not restore all of the contents of my internal storage, so I recommend backing up music, pictures, video, and other internal storage items manually, just to be on the safe side. The default is `-noshared`.

- `-all`

This flag is just an easy way to say to backup ALL apps. The `packages` flag (further on) can be used to choose individual packages, but unless you're just wanting to backup a specific application, use `-all` for a full system backup.

- `-system` | `-nosystem`

This flag sets whether or not the `-all` flag also includes system applications or not. I used `-system`, but this is probably unnecessary, and I would almost guess that it is safer to use `-nosystem`, but use your own judgment on this. The default is `-system`.

- `<packages_>`

Here you can list the package names (e.g. `com.google.android.apps.plus`) specifically that you would like to backup. Use this only if you're looking to backup a specific application.

Restore backup through ABD

```
adb restore C:\Users\wwiki\Desktop\androidbackups\backupfile
```

Install / uninstall apps

Install app

```
adb install C:\Users\wwiki\Desktop\eva\AppLockpro_1.49.apk
```

Uninstall app

```
adb uninstall com.appslocker.pro
```

Shell clear data associated with app

```
adb shell pm clear com.appslocker.pro
```

Push image or file to device

```
adb push C:\Users\wwiki\Desktop\eva\MyPhotograph.png /sdcard/Download/
```

Common directory paths

System directories

- /data
- /cache
- /system

External storage directories

- /storage/sdcard0
- /storage/sdcard0/Alarms
- /storage/sdcard0/DCIM
- /storage/sdcard0/Download
- /storage/sdcard0/Movies
- /storage/sdcard0/Music
- /storage/sdcard0/Notifications
- /storage/sdcard0/Pictures
- /storage/sdcard0/Podcasts
- /storage/sdcard0/Ringtones

Application directories

- /data/data/package/cache
- /data/data/package/files
- /data/data/package

Application external storage directories

- /storage/sdcard0/Android/data/package/cache
- /storage/sdcard0/Android/data/package/files/Alarms
- /storage/sdcard0/Android/data/package/files/DCIM
- /storage/sdcard0/Android/data/package/files/Download
- /storage/sdcard0/Android/data/package/files/Movies
- /storage/sdcard0/Android/data/package/files/Music
- /storage/sdcard0/Android/data/package/files/Notifications
- /storage/sdcard0/Android/data/package/files/Pictures
- /storage/sdcard0/Android/data/package/files/Podcasts
- /storage/sdcard0/Android/data/package/files/Ringtones

Analytical device data

[ADB Dumpsys](#)

Useful commands

Clear launcher

```
adb shell pm clear com.android.launcher
```

```
adb shell pm clear com.android.launcher
```

System recovery mode

Android:Devices

Android recovery mode[[edit](#)]

Samsung Galaxy Xcover3[[edit](#)]

- Turn off the device
- Press and hold Volume UP key + Home Key
- then Press and hold Power key
- Release all key when you see Android System Recovery
- Use Volume UP key and Volume Down key to select Menu
- Use Power key to Confirm or Execute Menu