

# Delete Bloatware and Install Apps on Android via Android Debug Bridge (ADB)

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Do you need the ADB shell to install apps on your phone when anyone can easily check the option to 'allow installation from unknown sources' and use the phone browser to download APK files? The short answer is, Yes.

The Reason:

Google accounts enrolled in Google's Advanced Protection Program have limited choices of app installation from different sources due to security reasons. On the other hand, some people prefer libre and open source applications for security. Open source projects are usually secure due to the nature of their publicly auditable source code. F-Droid is a repository that hosts such Android applications. Apps on F-Droid are compiled from the source code on their server, so those apps are secure. Here's the catch. Google won't allow users of Advanced Protection Program enrolled accounts to install any other app store on their devices. The phones of those users won't have any effect on having the button 'allow installation from unknown sources' checked either. Here comes another question. Will F-Droid be able to install apps on those phones even though F-Droid can be installed from the PC using the ADB shell? No. Possibly, F-Droid won't be allowed to update apps that are also available on both the app stores (Google Play Store). However, F-Droid is a treasure of information to know alternative open-source applications. Find an app on F-Droid, then search for it on Play Store. The ADB shell will be the last resort to get an app on the phone after downloading the app from F-Droid's repository, only if it's unavailable in Google Play Store.

'I'm not impressed. My Google account is not enrolled in Advanced Protection Program. Do I really need the ADB shell anyway?' ' Yes. In case you want to get rid of sticky bloatware supplied by the phone vendor. Those sticky apps are irremovable. The regular uninstallation method won't do the trick.

Thus, knowing to use the ADB shell is a plus.

What you need:

1. A computer. It can be a Windows or a Linux computer.
2. An Android device (phone/tablet/Android-powered eReader etc.).
3. 15 minutes of patience.

Ref:

Google: how to sideload apps using the adb

<https://www.lifewire.com/how-to-sideload-android-apps-4689188>

Google: uninstall apps from the adb shell

<https://www.droidwin.com/remove-uninstall-bloatware-apps-from-android-via-adb-commands/>

Fun Factor: Turning on USB Debugging is not Jailbreaking. You aren't going to Root your phone. (^\_^)

**If you are looking for a tutorial to root your phone, you should look somewhere else.**

I never suggest people to ROOT their phones. It's a clear threat to security.

## Part 1:

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### Windows:

Download the ADB from Google: <https://dl.google.com/android/repository/platform-tools-latest-windows.zip>

Unpack the zip archive with 7-Zip (\*use only 7Z).

### Registry Patch:

You'll need a registry patch so that you can open the Windows command prompt inside a folder from a simple Right-Click context menu.

Filename:

```
TerminalHere.reg
```

Windows Registry Editor Version 5.00

```
; Open CMD Here  
; 'Open Terminal Here' MS equivalent
```

```
; https://github.com/microsoft/terminal/issues/1060  
; https://stackoverflow.com/questions/27632612/comment-in-reg-file  
; https://docs.microsoft.com/en-us/previous-versions/windows/embedded/gg469889(v=winembedded.80)?redirectedfrom=MSDN
```

```
[HKEY_CURRENT_USER\Software\Classes\Directory\Background\shell\Open CMD Here\command]  
@"C:\\Windows\\system32\\cmd.exe"
```

**\*-Ubuntu:**

```
sudo apt install android-tools-adb
```

The two core aspects of installing/uninstalling apps from the ADB shell:

1. Developer Mode.
2. USB Debugging.

## Part 2:

On the phone:

**Settings App -> About Phone -> MIUI Version -> Tap 7 Times**

You'll get a warning that looks like, 'You're 4 steps away from putting your phone into developer mode', after three consecutive taps.

You're 4 steps away from putting your phone into developer mode

Ref: <https://www.getdroidtips.com/enable-option-usb-debugging-redmi-4-4x/>

Google: toggle developer mode redmi 4

**NOTE:** Connect your device to the internet. Otherwise, Xiaomi Corporation Inc. won't let you turn on USB Debugging.

11:34 AM

...45.8KB/s 🕒 📶 📶 🔋 90 ⚡



## About phone

System update



Follow us



Device name

Redmi Appu



Model number

Redmi 4

Android version

7.1.2 N2G47H

Android security patch level

2018-10-01

MIUI version

MIUI Global 11.0.2 | Stable  
11.0.2.0(NAMMIXM)

Model

MAI132

CPU

Octa-core Max 1.40GHz

RAM

4.00GB

Turn on USB Debugging from the Developer Options.

Settings App -> System Settings -> Additional Settings -> Developer Options -> DEBUGGING  
-> USB Debugging, Install via USB, & Verify apps installed over the USB.

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## Settings



Sound & vibration



SYSTEM SETTINGS



Lock screen & password



Notifications & status bar



Home screen & Recents





Battery & performance



Storage



Google



Additional settings



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## Additional settings

Authorisation & revocation



Button and gesture shortcuts



Notification light >

Headphones & audio effects >

Accessibility >

Printing >

Developer options >

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Backup & reset >

Mi Mover >

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Developer options

## Developer options



### Mock SD card optimisation

Make your SD card much faster



### Stay awake

Screen will never sleep while charging



### Skip screen lock

Go directly to Home screen from wake



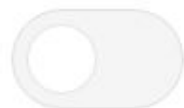
### Bluetooth HCI snoop log

Capture all Bluetooth HCI packets in a file



### Bluetooth trace log

Bluetooth trace log



### OEM unlocking

Allow the bootloader to be unlocked



## WebView implementation

Chrome Stable >





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...37.9KB/s     

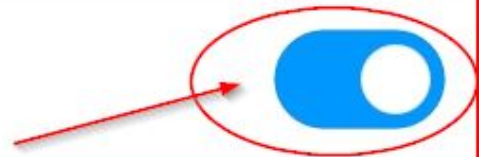


## Developer options

### DEBUGGING

#### USB debugging

Debug mode when USB is connected

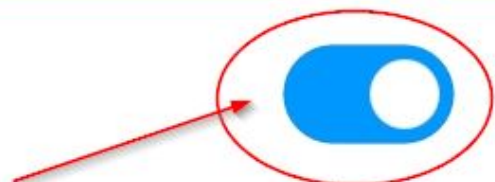


Revoke USB debugging authorizations



#### Install via USB

Allow installing apps via USB



#### USB debugging (Security settings)

Allow granting permissions and simulating input via USB debugging



#### Select mock location app

No mock location app set



Enable viewing attributes



Select debug app

No debug application set



Wait for debugger

Debugged application waits for debugger to attach before executing



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...1.1KB/s 90



## Developer options

USB debugging



Select mock location app

No mock location app set



Enable viewing attributes



Select debug app

No debug application set



Wait for debugger

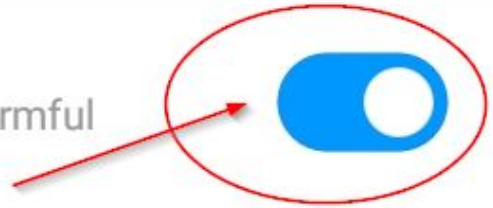


Debugged application waits for debugger to attach before executing



## Verify apps over USB

Check apps installed via ADB/ADT for harmful behaviour.



Log buffer sizes

256KB per log buffer >

Select log level

Warn >

## NETWORKING

### Part 3:

PC Side:

Right-click inside the extracted folder 'platform-tools\_rxx.x.x-windows\platform-tools' and choose to open a command prompt window there.

CMD:

```
O:\platform-tools_r32.0.0-windows\platform-tools>ls
AdbWinApi.dll      adb.exe            fastboot.exe       make_f2fs.exe
mke2fs.exe         systrace
AdbWinUsbApi.dll  dmtracedump.exe   hprof-conv.exe     make_f2fs_casefold.exe
source.properties
NOTICE.txt         etc1tool.exe       libwinpthread-1.dll mke2fs.conf
sqlite3.exe
```

The `ls` command worked on my PC because I have MSYS2 installed on my system. And also, MSYS2 'bin' directories are added to the system path on my system.

```
C:\msys64\usr\bin
C:\msys64\usr\x86_64-pc-msys\bin
C:\msys64
C:\msys64\mingw64\bin
C:\msys64\opt\node-v14.17.6-win-x64
```

Not everyone needs MSYS2. So, for now, stick to the more common Windows command: `dir`.

## Part 4:

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### The Next Step

```
adb devices
```

Allow USB Debugging from the phone. Or else, you'll see that the connected device is unauthorised, and you won't be able to install/uninstall anything on your phone from your PC's terminal. See the outputs below:

```
O:\platform-tools_r32.0.0-windows\platform-tools>adb devices
* daemon not running; starting now at tcp:5037
* daemon started successfully
List of devices attached
xxxxxyywwzzz    unauthorized
```

```
O:\platform-tools_r32.0.0-windows\platform-tools>adb install
"C:\Users\YourUserName\Downloads\F-Droid.apk"
Performing Streamed Install
adb: failed to install F-Droid.apk: Failure [INSTALL_FAILED_USER_RESTRICTED: Install
canceled by user]
```

After authorising USB Debugging from the phone, the output will look something like this:

```
O:\platform-tools_r32.0.0-windows\platform-tools>adb devices
List of devices attached
xxxxyyywwwzzz    device
```

## Part 5:

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NOTE: Don't ever install APK files downloaded from anywhere other than the F-Droid's repository. Any other third-party app stores are also not beyond scepticism. Even Google Play Store is a mixed bag. There is no shortage of malicious apps found on Google's own app store. Play Store comes preinstalled, so it is deemed secure by android users.

## App Installation:

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Now you can install any app from the terminal. **Important:** Be sure to authorise the installation from the PC to the phone on the phone side. You'll see that a dialogue box appears on your phone asking your permission to allow the connected PC to perform the installation.

Examples:

```
adb install Your_app.apk
```

```
adb install F-Droid.apk
```

```
adb install "C:\Users\YourUserName\Downloads\F-Droid.apk"
```

If everything goes well, you'll be greeted with the 'success' message.

```
Performing Streamed Install...
Success
```

Example:

```
O:\platform-tools_r32.0.0-windows\platform-tools>adb install
"C:\Users\YourUserName\Downloads\F-Droid.apk"
Performing Streamed Install
Success
```

## Part 6:

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### App Uninstallation:

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```
adb shell
```

Know the packages installed on your phone.

```
pm list packages -s
```

Here's the output I received.

Depending on the phone and the apps installed on your phone, you may see something else. I try new applications and sometimes uninstall apps I don't need. So, the list may grow or shrink in the future. That's not something to be considered permanent. However, the output below will give us an overview of what it looks like from the ADB Shell.

package:com.miui.screenrecorder  
package:com.android.cts.priv.ctsshim  
package:com.google.android.youtube  
package:com.qualcomm.qti.auth.sampleextauthservice  
package:com.google.android.ext.services  
package:com.android.providers.telephony  
package:com.miui.powerkeeper  
package:com.xiaomi.mipay\_client  
package:com.google.android.googlequicksearchbox  
package:com.miui.fm  
package:com.android.providers.calendar  
package:com.android.providers.media  
package:com.milink.service  
package:com.qti.service.colorsense  
package:com.google.android.onetimeinitializer  
package:com.google.android.ext.shared  
package:com.xiaomi.powerchecker  
package:com.xiaomi.account  
package:com.qualcomm.shutdownlistener  
package:com.android.wallpapercropper  
package:com.quicinc.cne.CNEService  
package:com.xiaomi.mi\_connect\_service  
package:com.xiaomi.micloud.sdk  
package:com.wt.secret\_code\_manager  
package:org.simalliance.openmobileapi.service  
package:com.android.updater  
package:com.android.documentsui  
package:com.android.externalstorage  
package:com.qualcomm.uimremoteclient  
package:com.android.htmlviewer  
package:com.qualcomm.svi  
package:com.miui.securityadd  
package:com.miui.gallery  
package:com.android.mms.service  
package:com.miui.msa.global  
package:com.android.providers.downloads  
package:com.qualcomm.qti.auth.sampleauthenticatorservice  
package:com.xiaomi.payment  
package:com.miui.securitycenter  
package:android.autoinstalls.config.Xiaomi.santoni  
package:com.qualcomm.qti.telephonyservice  
package:com.miui.videoplayer  
package:com.qualcomm.qti.auth.fidocryptoservice  
package:com.google.android.configupdater  
package:com.android.soundrecorder  
package:com.miui.userguide  
package:com.android.defcontainer  
package:com.miui.guardprovider  
package:com.android.providers.downloads.ui  
package:com.android.vending

package:com.android.pacprocessor  
package:com.qualcomm.cabl  
package:com.miui.backup  
package:com.xiaomi.mirecycle  
package:com.miui.notification  
package:com.miui.micloudsync  
package:com.miui.daemon  
package:com.android.certinstaller  
package:com.android.carrierconfig  
package:com.google.android.marvin.talkback  
package:com.qti.qualcomm.datastatusnotification  
package:android  
package:com.android.contacts  
package:com.qualcomm.wfd.service  
package:com.miui.hybrid  
package:com.miui.vsimcore  
package:com.mi.webkit.core  
package:com.miui.securitycore  
package:com.android.egg  
package:com.android.mms  
package:com.android.mtp  
package:com.android.stk  
package:com.android.backupconfirm  
package:com.xiaomi.simactivate.service  
package:com.miui.player  
package:com.miui.miservice  
package:com.android.provision  
package:org.codeaurora.ims  
package:com.android.statementservice  
package:com.google.android.gm  
package:com.miui.sysopt  
package:com.miui.system  
package:com.google.android.apps.tachyon  
package:com.android.calendar  
package:com.miui.global.packageinstaller  
package:com.miui.translation.kingsoft  
package:com.miui.compass  
package:com.qualcomm.qti.auth.secureextauthservice  
package:com.google.android.setupwizard  
package:com.miui.rom  
package:com.qualcomm.qcrilmsgtunnel  
package:com.android.providers.settings  
package:com.android.sharedstoragebackup  
package:com.mediatek.batterywarning  
package:com.facebook.services  
package:com.xiaomi.location.fused  
package:com.google.android.music  
package:com.android.printspooler  
package:com.android.dreams.basic  
package:com.android.incallui  
package:com.fido.xiaomi.uafclient



package:com.android.frameworks.telresources  
package:com.miui.bugreport  
package:com.android.inputdevices  
package:com.fido.asm  
package:com.qualcomm.qti.auth.securesampleauthservice  
package:com.qualcomm.qti.CdmaCallOptions  
package:com.qualcomm.qti.StatsPollManager  
package:com.qti.dpmserviceapp  
package:com.android.fileexplorer  
package:com.qti.xdivert  
package:com.google.android.apps.docs  
package:com.google.android.apps.maps  
package:com.miui.translation.youdao  
package:com.miui.cloudbackup  
package:com.android.cellbroadcastreceiver  
package:com.google.android.webview  
package:com.android.server.telecom  
package:com.google.android.syncadapters.contacts  
package:com.android.keychain  
package:com.android.camera  
package:com.android.chrome  
package:com.xiaomi.glgm  
package:com.xiaomi.upnp  
package:com.xiaomi.xmsf  
package:com.google.android.packageinstaller  
package:com.google.android.gms  
package:com.google.android.gsf  
package:com.google.android.tts  
package:com.android.calllogbackup  
package:com.miui.freeform  
package:com.google.android.partnersetup  
package:com.fingerprints.serviceext  
package:com.google.android.videos  
package:org.codeaurora.btmultisim  
package:com.xiaomi.mipicks  
package:com.dsi.ant.server  
package:com.xiaomi.finddevice  
package:com.android.proxyhandler  
package:com.xiaomi.joyose  
package:com.mi.android.globalFileexplorer  
package:com.miui.notes  
package:com.miui.wmsvc  
package:com.xiaomi.misettings  
package:com.google.android.feedback  
package:com.google.android.printservice.recommendation  
package:com.xiaomi.midrop  
package:com.google.android.apps.photos  
package:com.miui.translationservice  
package:com.google.android.syncadapters.calendar  
package:com.miui.cloudservice  
package:com.android.managedprovisioning

package:com.miui.hybrid.accessory  
package:com.android.dreams.phototable  
package:com.miui.translation.xmcloud  
package:com.miui.touchassistant  
package:com.xiaomi.providers.appindex  
package:com.android.providers.partnerbookmarks  
package:com.google.android.gsf.login  
package:com.android.smspush  
package:com.mediatek.factorymode  
package:com.mi.android.globalminusscreen  
package:com.miui.calculator  
package:com.android.wallpaper.livepicker  
package:com.mi.AutoTest  
package:com.miui.cloudservice.sysbase  
package:com.miui.miwallpaper  
package:com.facebook.system  
package:com.xiaomi.bluetooth  
package:com.qualcomm.qti.telephony.vodafonepack  
package:com.google.android.backuptransport  
package:com.miui.cleanmaster  
package:com.android.storagemanager  
package:com.miui.analytics  
package:com.android.bookmarkprovider  
package:com.android.settings  
package:com.qualcomm.qti.ims  
package:com.miui.weather2  
package:com.quicinc.wbcserviceapp  
package:com.qualcomm.location  
package:com.xiaomi.scanner  
package:com.android.cts.ctsshim  
package:com.qualcomm.qti.tetherservice  
package:com.miui.yellowpage  
package:com.miui.antisipam  
package:com.qualcomm.qti.services.secureui  
package:com.android.vpndialogs  
package:com.android.email  
package:com.wt.version\_query  
package:com.android.phone  
package:com.android.shell  
package:com.android.wallpaperbackup  
package:com.android.providers.blockednumber  
package:com.android.providers.userdictionary  
package:com.android.emergency  
package:com.qualcomm.qti.RIDL  
package:com.android.location.fused  
package:com.android.deskclock  
package:com.android.systemui  
package:com.android.bluetoothmidiservice  
package:com.mi.globallayout  
package:com.facebook.appmanager  
package:com.xiaomi.discover

```
package:com.mi.dlabs.vr
package:com.miui.smsextra
package:com.android.thememanager
package:com.mipay.wallet.id
package:com.mipay.wallet.in
package:com.qualcomm.fastdormancy
package:com.qualcomm.qti.auth.fidosuiservice
package:com.miui.fmservice
package:com.android.thememanager.module
package:com.lbe.security.miui
package:com.android.bluetooth
package:com.qualcomm.timeservice
package:com.qualcomm.embms
package:com.android.providers.contacts
package:com.stability.camerastability
package:com.android.captiveportallogin
package:com.miui.core
package:com.miui.home
package:com.google.android.inputmethod.latin
package:com.miui.audioeffect
santoni:/ $
```

## Uninstall apps:

NOTE: Do not uninstall any system app or essential app. Always double-check the app's purpose before removing an app. Try [this one](#) to know the APK names of the apps installed on your phone.

Examples...

Google Pay (Tez) uses the UPI Payment Gateway, and it serves my purpose. I don't feel the need for any similar apps. Let me show you how I uninstalled the 'Mi Pay' app.

```
santoni:/ $ pm uninstall -k --user 0 com.mipay.wallet.in
Success
santoni:/ $ pm uninstall -k --user 0 com.mipay.wallet.id
Success
santoni:/ $
```

I also uninstalled the following apps. In some cases, I downloaded alternative apps, and in other cases, I don't see any reason for using some of the default apps. Privacy concerns had also been considered at the time of uninstalling some packages.

*Google Movies and TV:*

```
pm uninstall -k --user 0 com.google.android.videos
```

*Google Music:*

```
pm uninstall -k --user 0 com.google.android.music
```

*Android Mail Client:* The default Android Mail Client App. It doesn't integrate well with some email clients. On top of that, this modified version is issued by Xiaomi Corporation. The issuer country shown was not the country I live in.

```
pm uninstall -k --user 0 com.android.email
```

*MIUI Video Player:* I'll show you how to download VLC from F-Droid's repository and install the same using the ADB shell.

```
pm uninstall -k --user 0 com.miui.videoplayer
```

*MIUI Audio Player:* I'll go for VLC.

```
pm uninstall -k --user 0 com.miui.player
```

*Android Notes:* A modified version of the Android Notes App, created by Xiaomi. The app can't export files to TXT format and doesn't open files with the TXT extension. Other text files with different extensions are unsupported as well. The app also has a tendency to sync notes to Xiaomi's cloud services. No thanks! I have so many decent note-taking/to-do management/code-editor apps.

```
pm uninstall -k --user 0 com.miui.notes
```

*Google Photos:* Google imposed storage limitations on their Google Photos service in 2021. The app occupied a lot of space on my phone's internal memory. I'd rather use the web interface when needed.

```
pm uninstall -k --user 0 com.google.android.apps.photos
```

*ShareMe - Xiaomi's File-Sharing app:* Nobody's interested in downloading that Xiaomi app to send files to other devices unless they own a Xiaomi device. Most people ask for turning on the BlueTooth, and I also noticed transferring files from USB drives is the fastest possible way to go. Wireless file sharing apps have a reputation of not being suckless. Carry a 16GB thumb drive with two USB-A to Phone OTG adapters if you're in dire need. If wireless file transfer is your best bet, you may try Goggle's 'Files' app as well.

```
pm uninstall -k --user 0 com.xiaomi.midrop
```

*Xiaomi's Theme Manager:* I use a minimalist launcher. Themes and notifications are not my cups of tea, and they are seemingly distracting. People need to detoxify their digital life. Computers were designed to help us to be more productive, not to make us lazy and infuriate us with distracting notifications from social media, news, advertisements, and bundled resource hog sluggish bloatware applications, which in turn make us counterproductive. I'm not a fan of Eye-Popping Themes and a whole bunch of distracting notifications for diverting my attention to somewhere else.

```
pm uninstall -k --user 0 com.android.thememanager
```

*Google Duo:* Who uses Google's Duo? I'll go for Jitsi.

```
pm uninstall -k --user 0 com.google.android.apps.tachyon
```

*RedMi Calender:* Another critical, however, modified default app by Xiaomi. It syncs my data to overseas servers, their cloud services. I use a different calendar app.

```
pm uninstall -k --user 0 com.android.calendar
```

*RedMi Gallery:* I have a better Gallery app.

NOTE: After uninstalling the default Xiaomi Gallery app, I faced problems while grabbing screenshots. I had to re-install the gallery app. I'll show you how to re-install accidentally removed apps later.

```
pm uninstall -k --user 0 com.miui.gallery
```

I uninstalled Wallpaper Carousel also.

Success

When done:

```
santoni:/ $ exit
```

Then,

Type, `exit` .

```
0:\platform-tools_r32.0.0-windows\platform-tools>exit
```

---

## IMPORTANT:

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### If you have unintentionally uninstalled an app:

Ref:

<https://forum.xda-developers.com/t/how-to-install-get-back-uninstalled-apps-apks-with-adb.3894235/>

<https://forum.xda-developers.com/t/how-to-install-get-back-uninstalled-apps-apks-with-adb.3894235/page-4#post-84291287>

DuckDuckGo: adb shell Unknown command: install-existing

```
0:\platform-tools_r32.0.0-windows\platform-tools>adb shell
santoni:/ $ pm enable --user 0 com.miui.gallery
Package com.miui.gallery new state: enabled
santoni:/ $ pm dump com.miui.gallery | grep path
      path: /system/priv-app/MiuiGallery/MiuiGallery.apk
santoni:/ $ pm install -r --user 0 /system/priv-app/MiuiGallery/MiuiGallery.apk
Success
santoni:/ $
```

One-by-one:

Run the ADB Shell from the Windows CMD.

```
adb shell
```

In the ADB Shell, type...

```
pm enable --user 0 com.miui.gallery
```

...to re-enable the removed package.

Know the path to that app:

```
pm dump com.miui.gallery | grep path
```

Copy the path to the clipboard ('Click-n-drag + Enter' on Windows).

For example, `/system/priv-app/MiuiGallery/MiuiGallery.apk` or `/system/priv-app/FMRadio/FMRadio.apk`.

Then, paste the copied path at the end of the following character string:

```
pm install -r --user 0
```

That is,

```
pm install -r --user 0 /system/priv-app/MiuiGallery/MiuiGallery.apk
```

Also notice that the command `adb shell cmd package install-existing com.miui.gallery` will return an error: `Unknown command: install-existing`

Therefore, it's best to stick to `pm install -r --user 0 /system/priv-app/APK_with_PATH`.

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## Part 7:

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Time to install a few more apps. Test what you've learned.

```
adb install "C:\Users\YourUserName\Downloads\F-Droid.apk"
adb install "C:\Users\YourUserName\Downloads\com.mkulesh.micromath.plus_319.apk"
adb install "C:\Users\YourUserName\Downloads\com.blacksquircle.ui_10007.apk"
adb install "C:\Users\YourUserName\Downloads\org.videolan.vlc_13040307.apk"
adb install "C:\Users\YourUserName\Downloads\org.koreader.launcher.fdroid_8849.apk"
adb install "C:\Users\YourUserName\Downloads\com.concept1tech.instalate_13.apk"
adb install "C:\Users\YourUserName\Downloads\com.foobnix.pro.pdf.reader_4334.apk"
```

KoReader is not available in Google Play. It's possibly the best all-rounder eBook reader out there on the android market. It takes a few hours to get accustomed to using the reader. Nevertheless, you'll get all the bells & whistles to manipulate eBooks on a tiny phone display. When you get everything to handle every facet of document files, you'll read much more comfortably on your phone, even if your phone has a relatively smaller display, like 4.7" or 5".

KoReader was designed for eReaders. The interface looks very different from the more traditional android applications' approach to the material design UI because their main focus is creating the best possible eBook reader app for eReader devices. It comes with an integrated dictionary. Stardict dictionary files can be added to extend the dictionary database further. External dictionary applications like GoldenDict can also be accessed. Pan and pinch zoom is not available, though. Instead, it has a different approach to zoom documents. It takes time to get used to with KoReader, but in the end, no other eBook Reader app feels even remotely close to this eBook reader application.

Libreria PRO is another excellent eBook Reader for Android. It supports external dictionary applications, even WordWeb. Documents can be pinch zoomed and panned.

Cool Reader is also a good eBook Reader. It doesn't support static documents (PDF, DJVU etc.) which is a downside. External dictionary applications like GoldenDict are supported. Pan and pinch zoom is unavailable since EPUB, CHM, TXT, MOBI files are 'Reflowable Documents'. The text part in reflowable documents adapts to the screen properties. Images are scaled. Thus, ebooks in those formats are resized according to the screen size and resolution. However, Cool Reader allows users to change the font size.

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## Part 8:

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### Disable USB Debugging and Developer Mode:

1. Uncheck the following options:



- Install via USB.
- USB Debugging.

2. Revoke USB Debugging Authorisations.

11:36 AM

...37.9KB/s 🕒 📶 📶 🔋 90 ⚡



## Developer options

DEBUGGING

### USB debugging

Debug mode when USB is connected



Revoke USB debugging authorizations

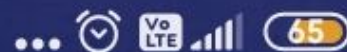


Press OK on the phone when prompted.

3. Disable Developer Options.

Long Tap on the **Settings** app -> **App Info** -> **Force Stop & Clear All Data**.

11:00 PM



set

InstaLate Settings

Settings

HIDE



11:00 PM



App info



**Settings**

Version: 7.1.2

**Storage**

688KB >

**Data usage**

1.6MB >

**Battery**

0.0% >

---

Permissions

**App permissions**

Manage permissions related to location, storage, phone, messages, and contacts.



**Notifications**

Yes >

---

**Restrict data usage**

Mobile data >

1



Force stop



Disable



Clear data

2

*Repeat it.*

Go to the 'App Info' section of the required app (e.g., F-Droid) and allow network and storage permissions.

Reboot your PC and delete the folder 'platform-tools\_rxx.x.x-windows' if you do not plan to use the ADB shell again.

## Part 9:

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### How will you update the apps you installed using the ADB Shell?

**ONE: For general users:**

Check the option 'Unknown Sources', 'Allow Installation of apps from unknown sources. Now you're ready to update apps from F-Droid, as you update from Google Play Store. If, for any reason, you cannot update apps directly from the phone, try the ADB Shell again. Update the apps as you'd install apps using the same commands.

For example:

```
adb install "C:\Users\YourUserName\Downloads\org.koreader.launcher.fdroid_8849.apk"
```

Adding the `-r` option at the start will reinstall the app. I strongly advise you against doing so because if you reinstall an app, you're most likely going to lose its configuration files and settings.

In case you don't want to update apps from your PC, you can try updating the apps from F-Droid after turning on the option 'Unknown Sources'. It's much comfier to update apps from the phone.

**TWO: For account holders of Google's Advanced Protection Program:**

Turning on the option 'Unknown Sources' won't have any effect here.

The ADB Shell is always your best friend. Use the ADB Shell and update the apps from your PC's terminal.

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Link to this document's repository: <https://github.com/Pinaki82/adb-shell-android-bloatware-removal.git>

You may wish to download the PDF or the EPUB version from the release section.

Recommended EPUB Viewer on Android (for smaller files) is [Cool Reader](#). On the PC, try [Okular](#). It's a multiplatform, multifformat document viewer by [KDE](#). Okular can open EPUB files. Windows and Linux both are covered.

To create the EPUB, I used [Sigil](#).

The *README.md* file, which is the main file to this guide, has been created with [Mark Text](#). Also, the PDF version of the document was exported from [Mark Text](#). Download **Mark Text** from [here](#). You can download the HTML version, but without an active internet connection, you won't see the screenshots.

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