# How To Install An APK To A Meta Quest 2

## Required:

Meta Quest 2 device
Meta Quest 2 link cable
Smartphone with Meta Quest application
Facebook account (or equivalent)
Android SDK Platform-Tools (for ADB)

## Step 1: Register As A Meta Quest Developer

In order to install APKs to the device directly, you must first register as a Meta Quest developer here: https://developer.oculus.com/sign-up/

## Step 2: Enable Developer Mode

Sign into the Meta Quest app on your smartphone (if not already logged in) and click on "Menu" on the bottom right. From there, click on "Devices" and locate your device. Scroll down and click on "Developer Mode" to access the toggle for enabling developer mode. Make sure it is toggled to the on position.

## Step 3: Install Android SDK Platform-Tools

SDK Platform-Tools are included in Android Studio's SDK Manager, but if you'd like to download the standalone tools package, it can be found here:
https://developer.android.com/studio/releases/platform-tools
This allows us to run the adb command for installing the APK to our device.

## Step 4: Connect The Meta Quest 2 With A Link Cable

Make sure your Meta Quest 2 is powered on and connect it to your PC with a link cable. Your device will ask to allow the connected device to access files. Select "Allow".

## Step 5: Run ADB To Install The APK

- Add the extension name '.apk' to the 'outputapk' file inside the tar file
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  Optional: If you do not want to specify the path to the adb executable when running the command, we can add it to our PATH variable.
  https://lifehacker.com/the-easiest-way-to-install-androids-adb-and-fastboot-to-1586992378

  For Windows:
  - Open Start and look for "View advanced system settings". At the bottom, click on "Environment Variables". Under "System Variables", look for the variable "Path" and click on it before clicking "Edit".
  - For Windows 7 or 8, add "; <folder name> to the end of "Variable value", with the folder name being the path to where Platform Tools is located.
  - For Windows 10, click "New" and paste the folder path to where Platform Tools is located.
  For MacOS/Linux:
  - Open a terminal window and enter the following command to open your Bash profile:
      touch ~/. bash_profile; open ~/.bash_profile
  - Add the following line to the end of the file:
      export PATH="$HOME/<folder name>/bin:$PATH", with the folder name being the path to where Platform Tools is located.
  - Save the file and exit the text editor.
  - In the terminal, run the following command to run your Bash profile:
      source ~/.bash_profile

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In a terminal, navigate to the directory your APK is located in.
If you did not add the ADB executable to PATH in the optional section above, run the command:
    <path to adb.exe in Platform Tools> install example.apk
Otherwise, open a terminal on your PC and run the following command:
    abd install example.apk
If needed:
    adb -d install example.apk
        forces the install over a USB connection.
    adb install -r example.apk
        updates the app if it is already installed.
Step 6: Verify Installation
Select "App Library" on the far right of the bottom taskbar. On the top right of the window, select "All (#)" to view the dropdown for categories of apps. Select "Unknown Sources (#)" at the bottom of the list and the window should display your APK as an application in the application list.