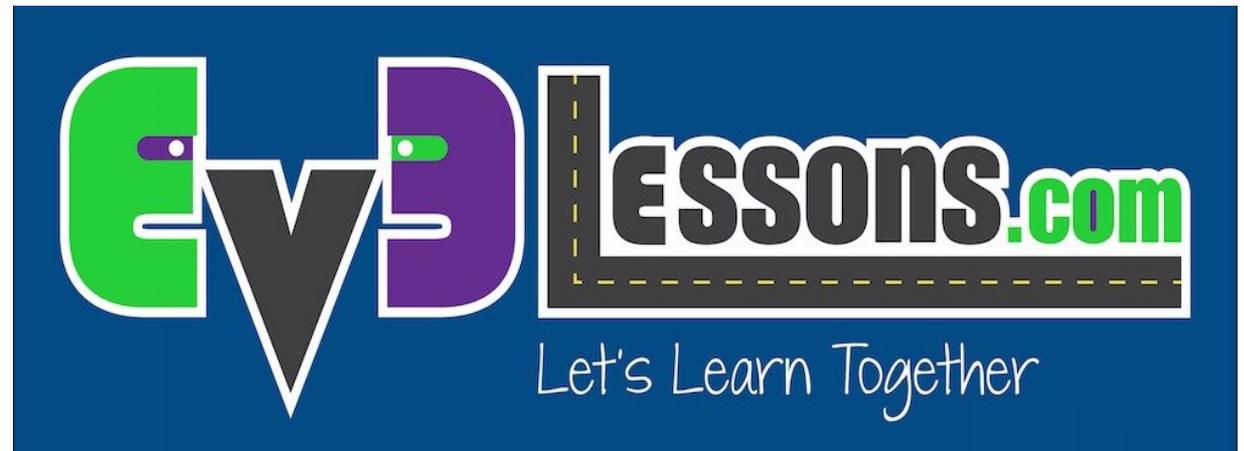


TABLET  
LESSONS



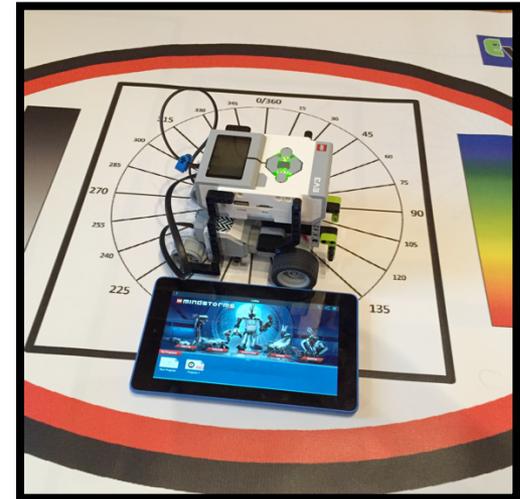
# PROGRAMMER APP ON KINDLE FIRE

By Sanjay and Arvind Seshan



# Why the Programmer App and Why Kindle?

- Learning to program using the new LEGO MINDSTORMS Programmer App is fun and easy for beginners
- It allows you get close to your robot and test your code quickly
- Devices such as iPads and many Android Tablets can be expensive
- Kindles offer an inexpensive Android-based alternative



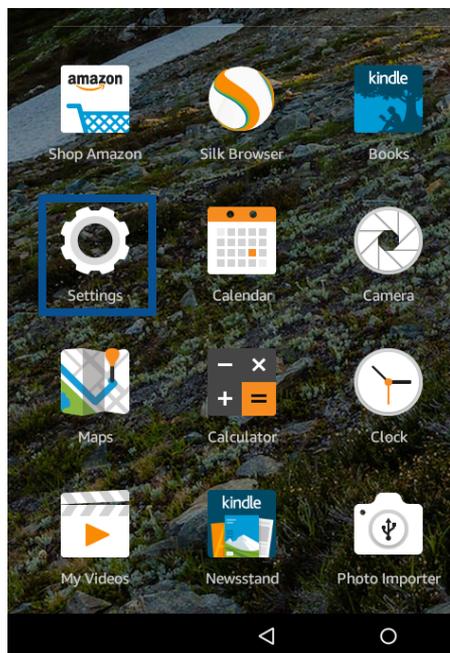
# Getting the Programmer Application



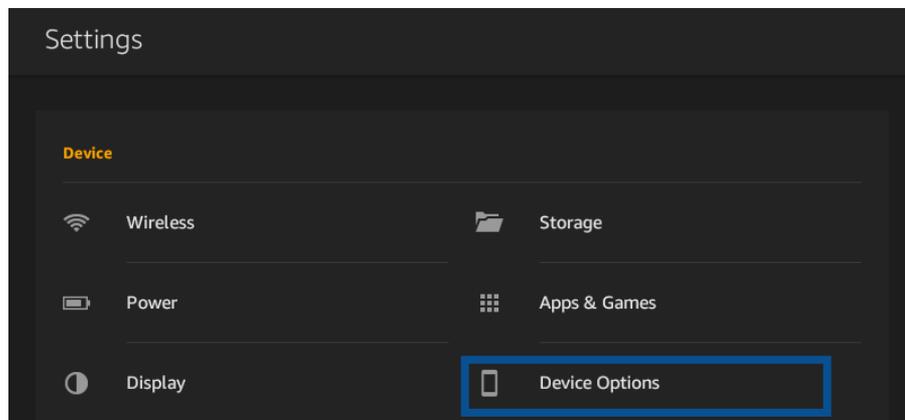
## Two ways to install this:

1. If your Kindle supports this app you can download it from the Amazon App Store
  - *Currently the EV3 Programmer app is not supported on common Kindle devices such as Kindle Fire, Fire HD 7 and Fire HD 10*
2. The ev3 programmer app on the Google Play Store is compatible with most/all kindles
  - *Unfortunately, the Play Store currently does not come installed on the Kindle Fire*
  - *We explain the steps to install the Google Play Store manually using .apk files (equivalent of .exe, .pkg, .app, .deb, .rpm for Android/Fire OS) in the following slides*

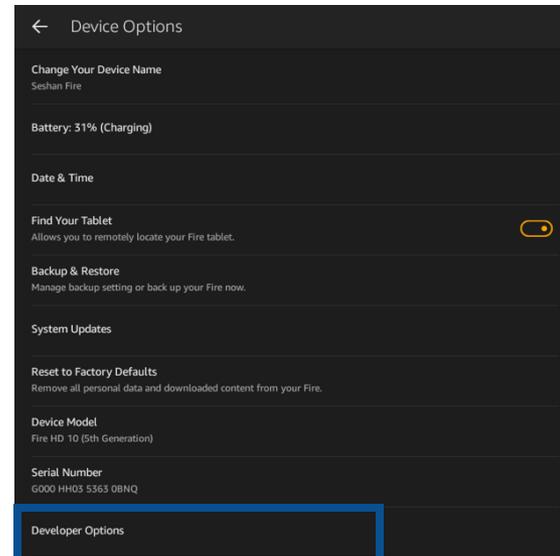
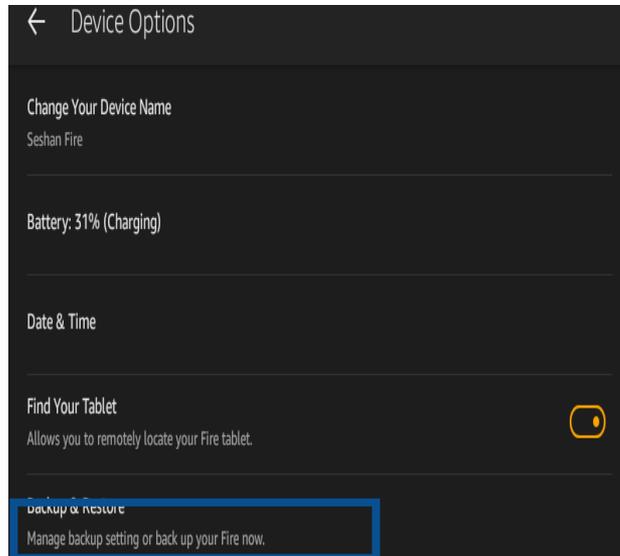
# Step 1: Enable Developer Mode



Launch Settings

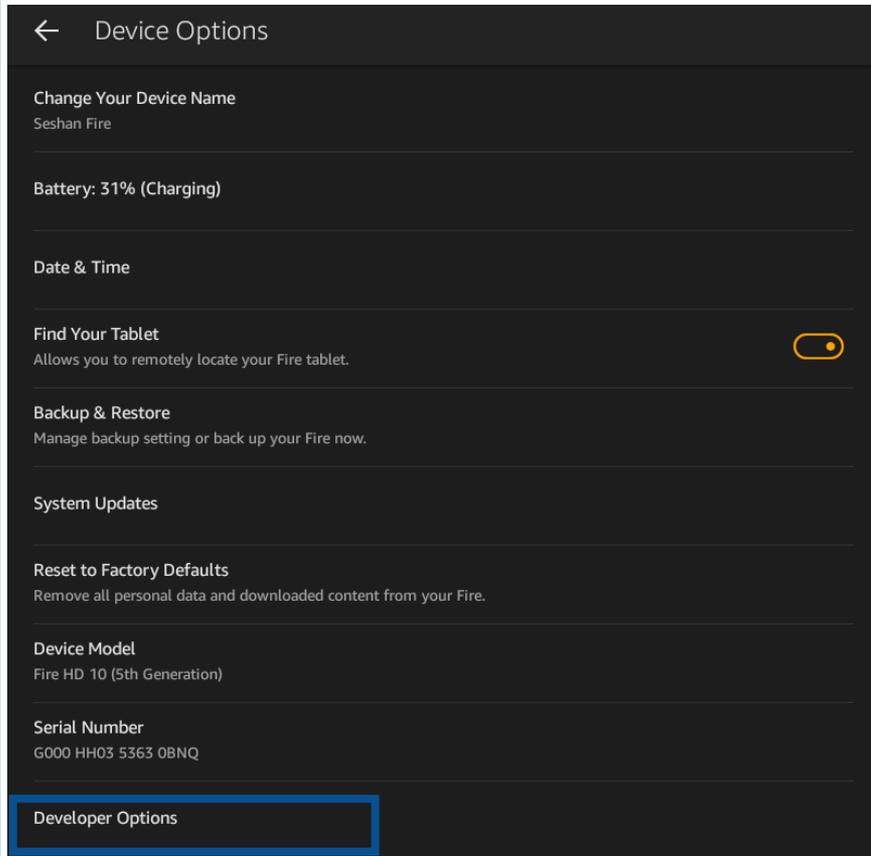


Launch Device Options

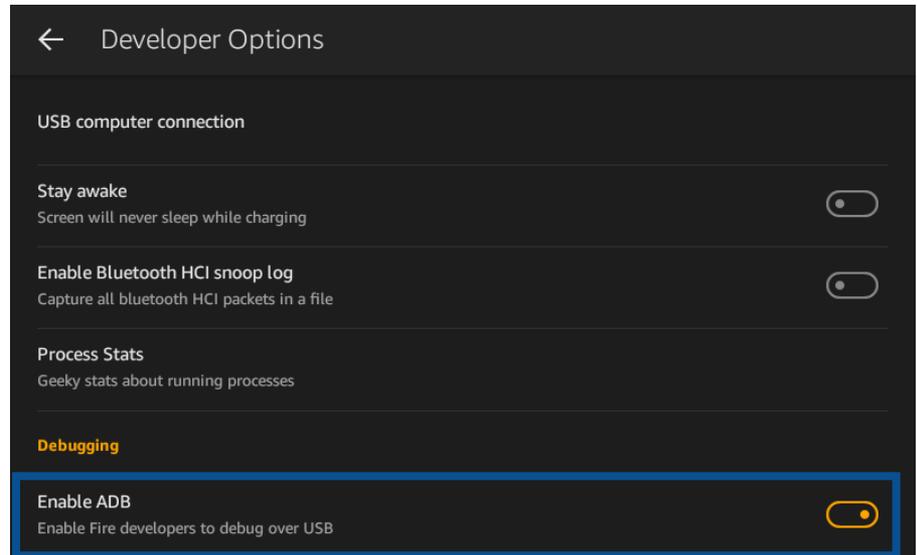


Tap Serial Number until Developer Options appears (about 7 times)

# Step 2: Enable ADB



Open Developer Options



Check Enable ADB and choose enable on the pop-up

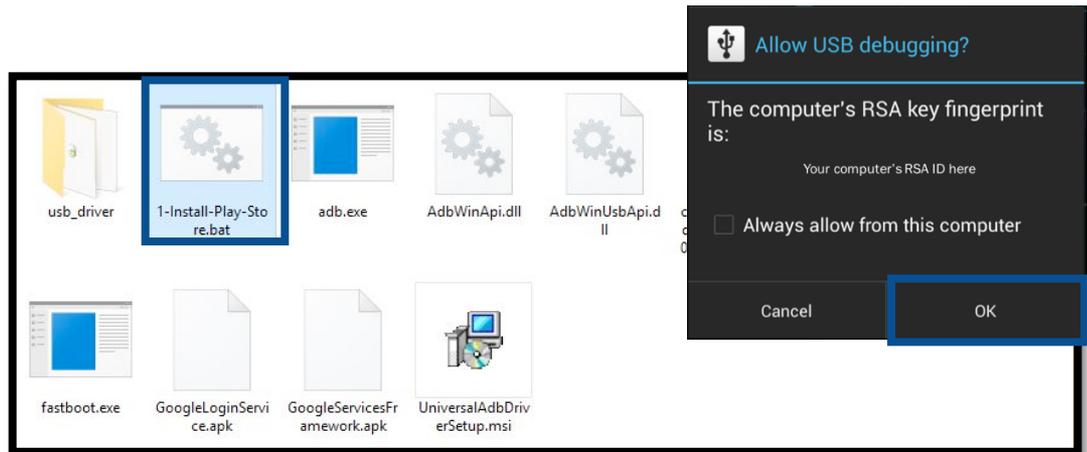
# Step 3: Install APKs (Windows 10+)

- Download Amazon-Fire-5th-Gen-Install-Play-Store.zip from <http://goo.gl/QtQMrV>
- Unzip the files
  
- For older versions of Windows (eg. Vista) follow these instructions for the adb driver section:  
<http://www.howtogeek.com/232726/how-to-install-the-google-play-store-on-your-amazon-fire-tablet/>

# Step 4:

## Run the .bat file

A USB Debugging verification may show up on the Kindle, choose OK

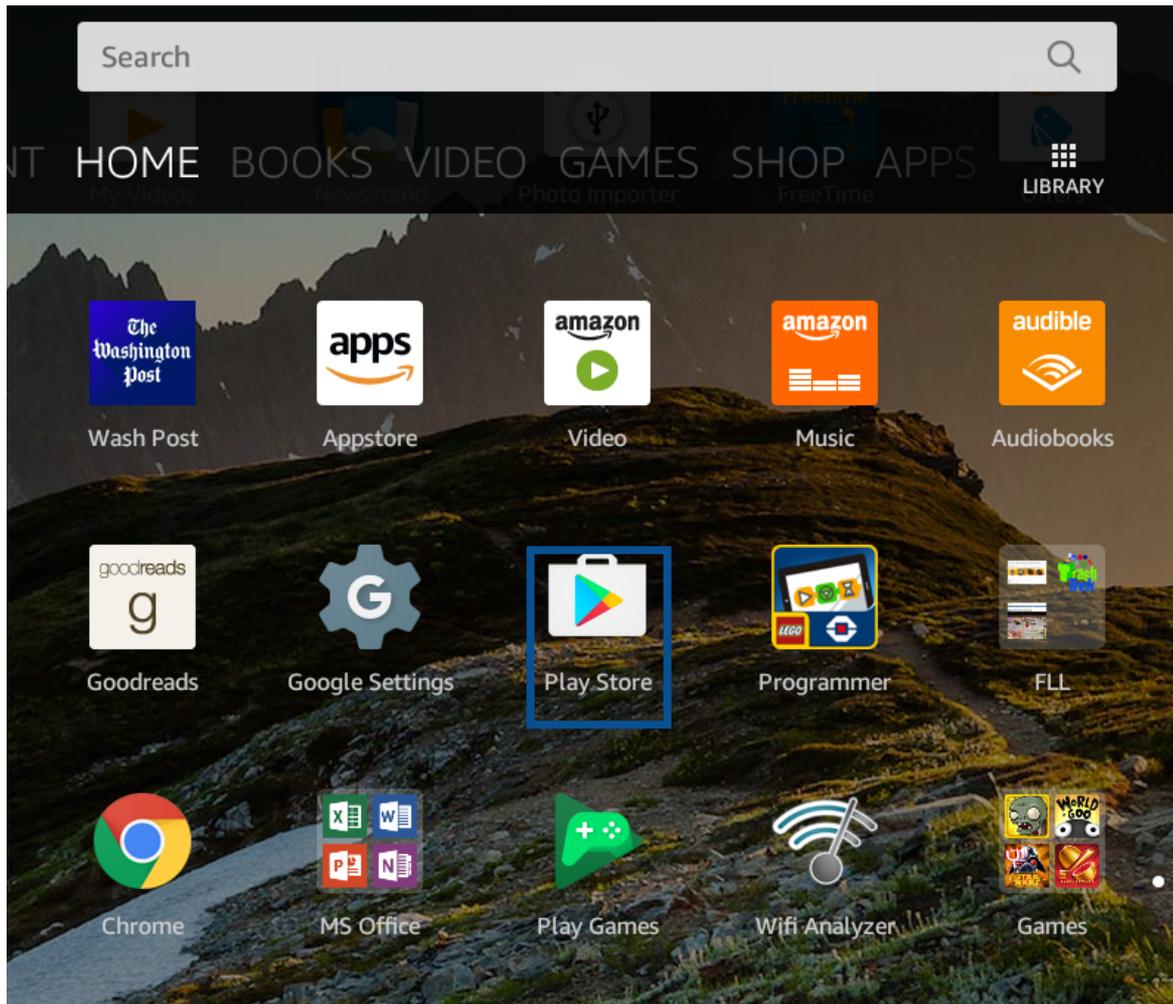


Type number 2, and press enter and then any key at the next menu

```
-----  
1  ADB Driver Install  
2  Install Google Play store and remove ads from lock screen  
3  block OTA updates from Amazon  
4  unblock OTA updates from Amazon  
  
Lets Do This...  
-----  
  
Please make a selection or hit ENTER to exit: 2
```

Reboot your Kindle Fire after you are done

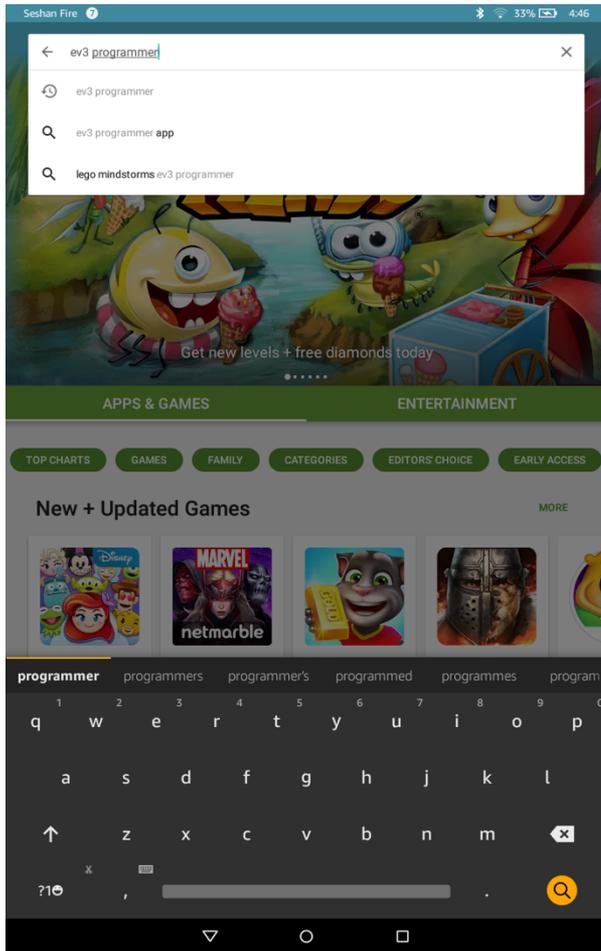
# Launch Google Play



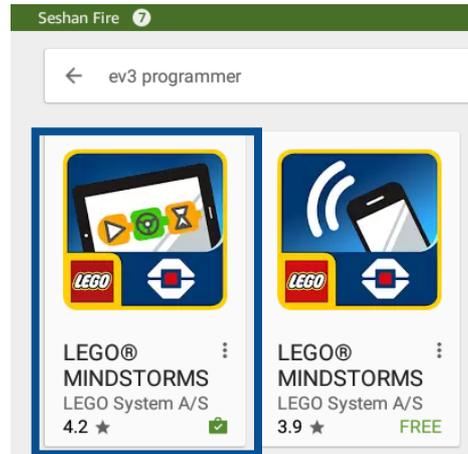
Launch Google Play and follow the setup instructions

You will now find Play Store amongst your applications

# Install LEGO MINDSTORMS



Enter “EV3 Programmer” in the search bar



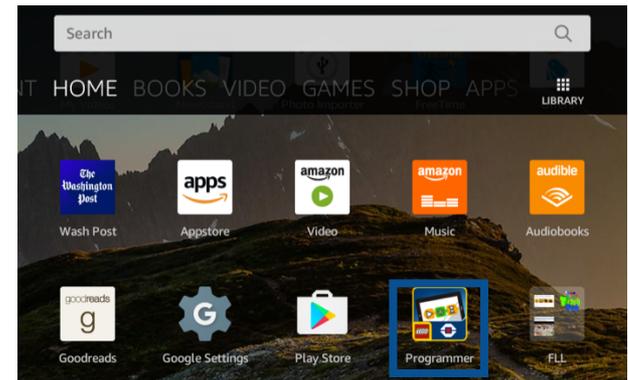
Choose the option that looks similar to the one selected above



LEGO® MINDSTORMS® Programmer  
LEGO System A/S  
Everyone

INSTALL

Press install and accept all pop-ups



The app is now on the home screen

# Credits

- This lesson was written by Sanjay and Arvind Seshan
- Original instructions and install scripts by Root Junky
  
- More lessons are available on [EV3Lessons.com](http://EV3Lessons.com)



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