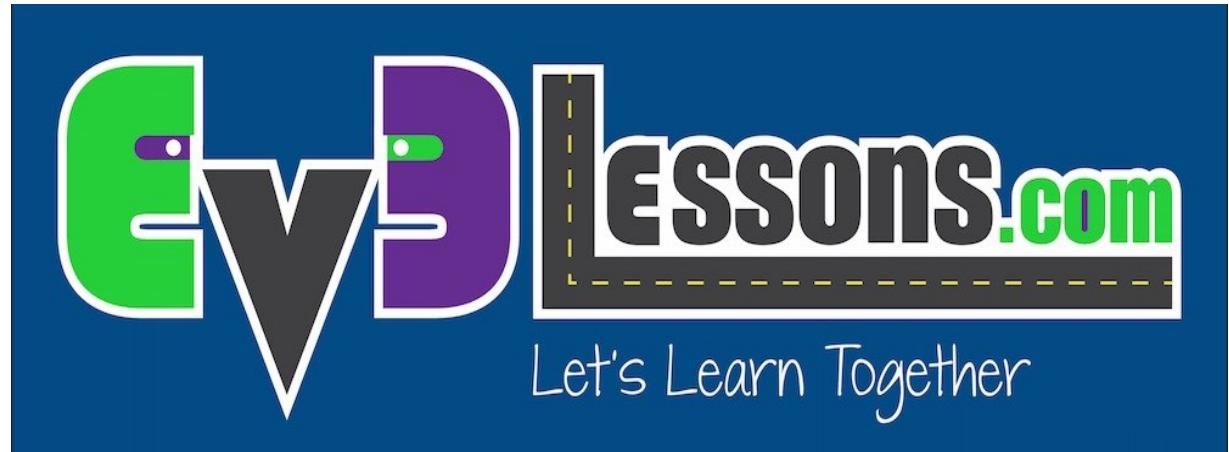


TABLET
LESSONS



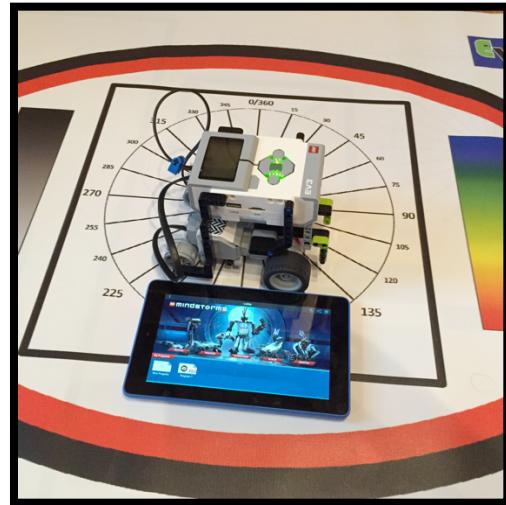
PROGRAMMER APP ON KINDLE FIRE

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



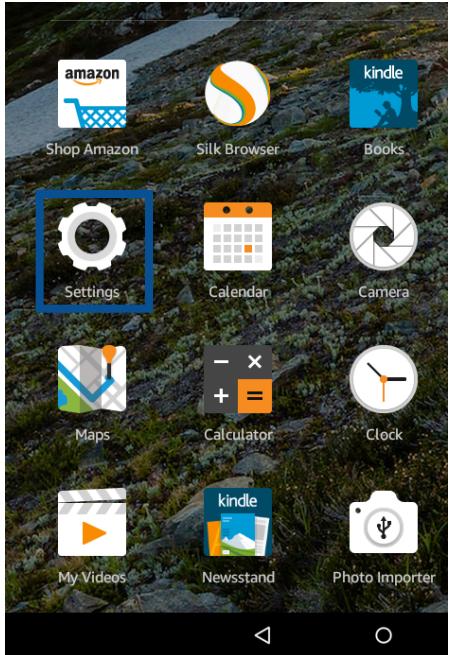
Getting the Programmer Application



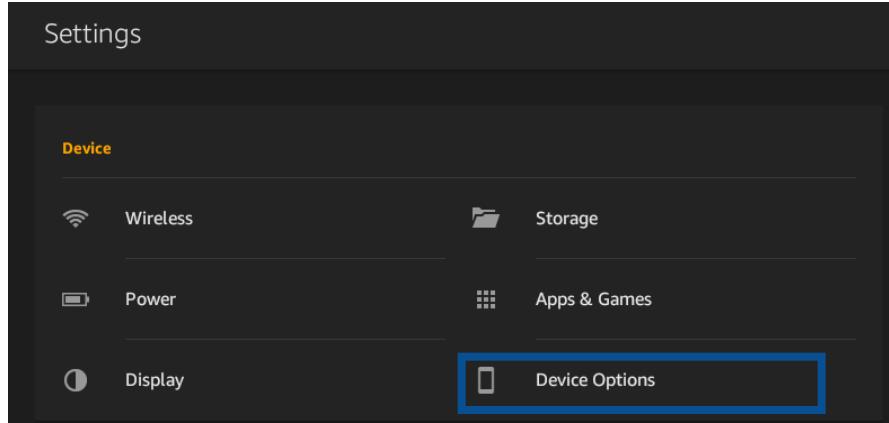
Two ways to install this:

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*

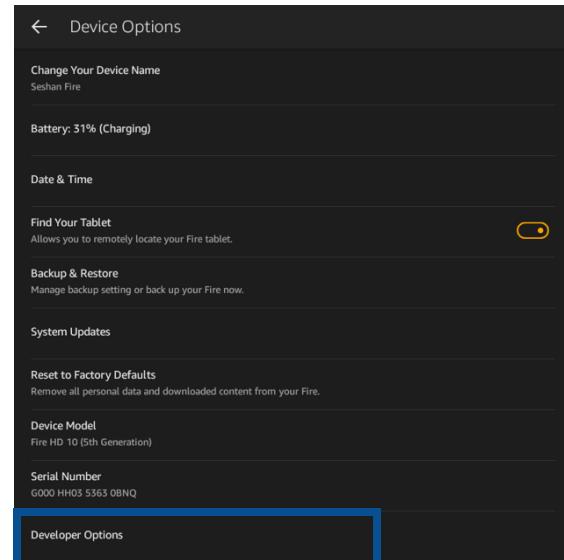
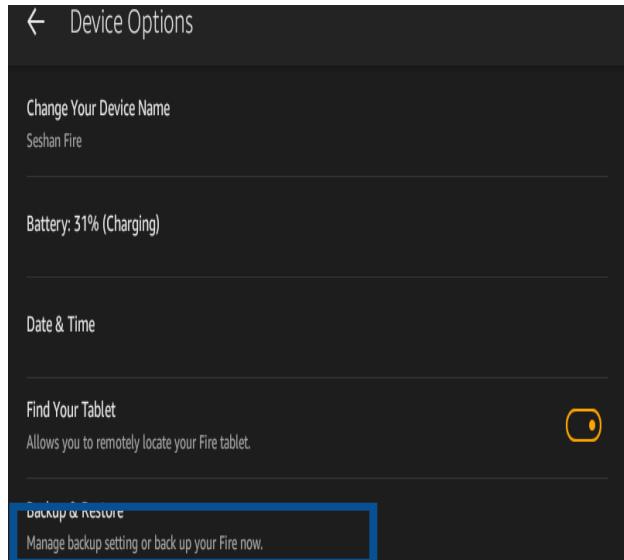
Step 1: Enable Developer Mode



Launch Settings

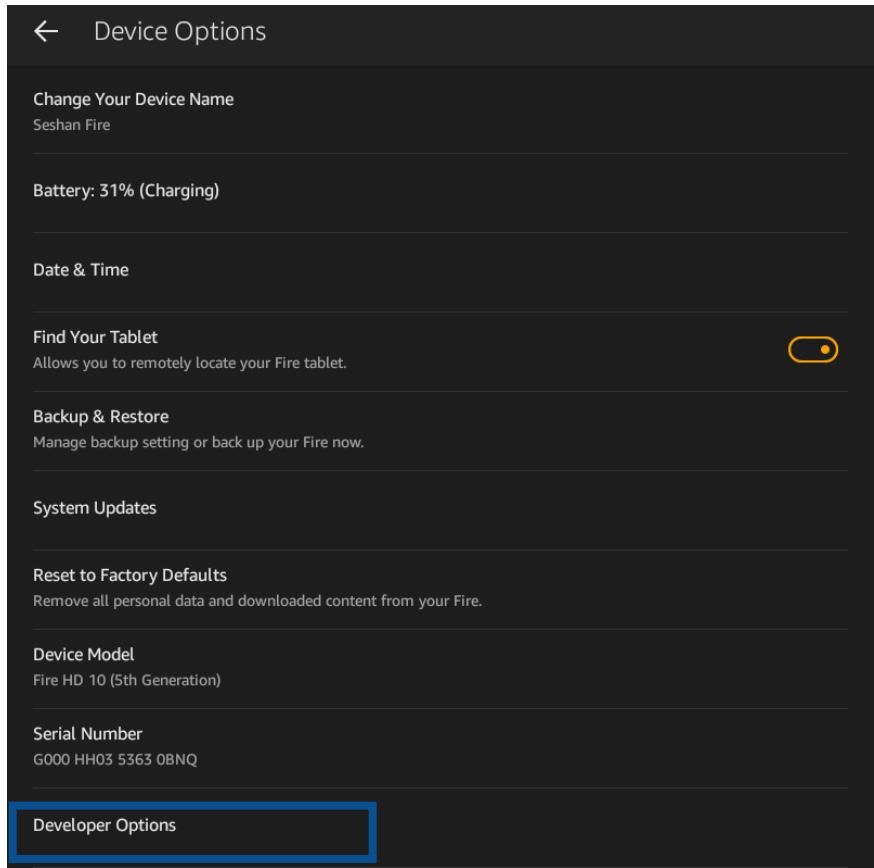


Launch Device Options

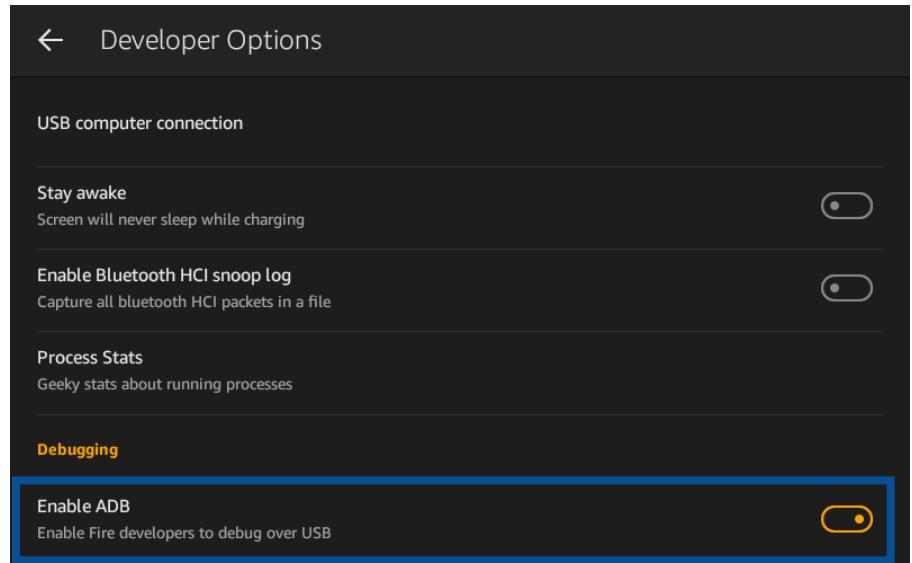


Tap Serial Number until Developer Options appears (about 7 times)

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/>

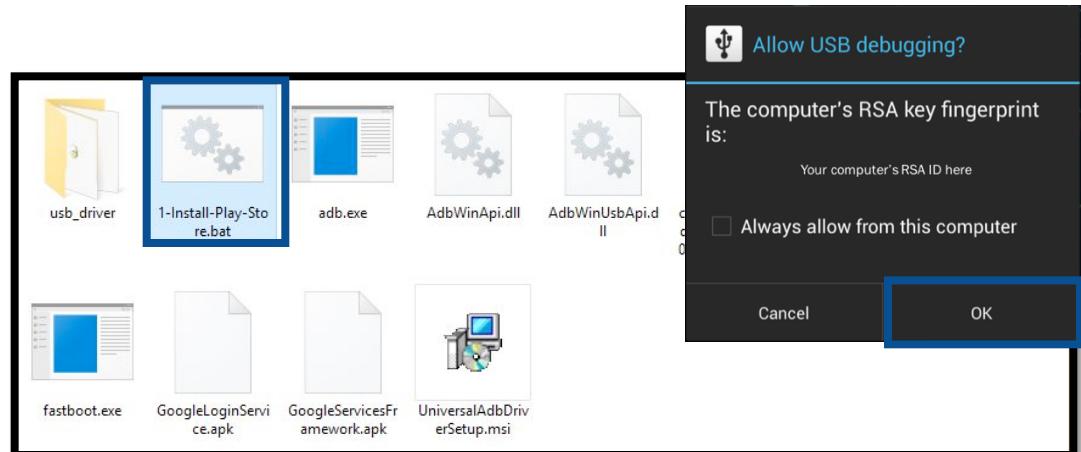
Step 4:

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

Reboot your Kindle Fire after you are done

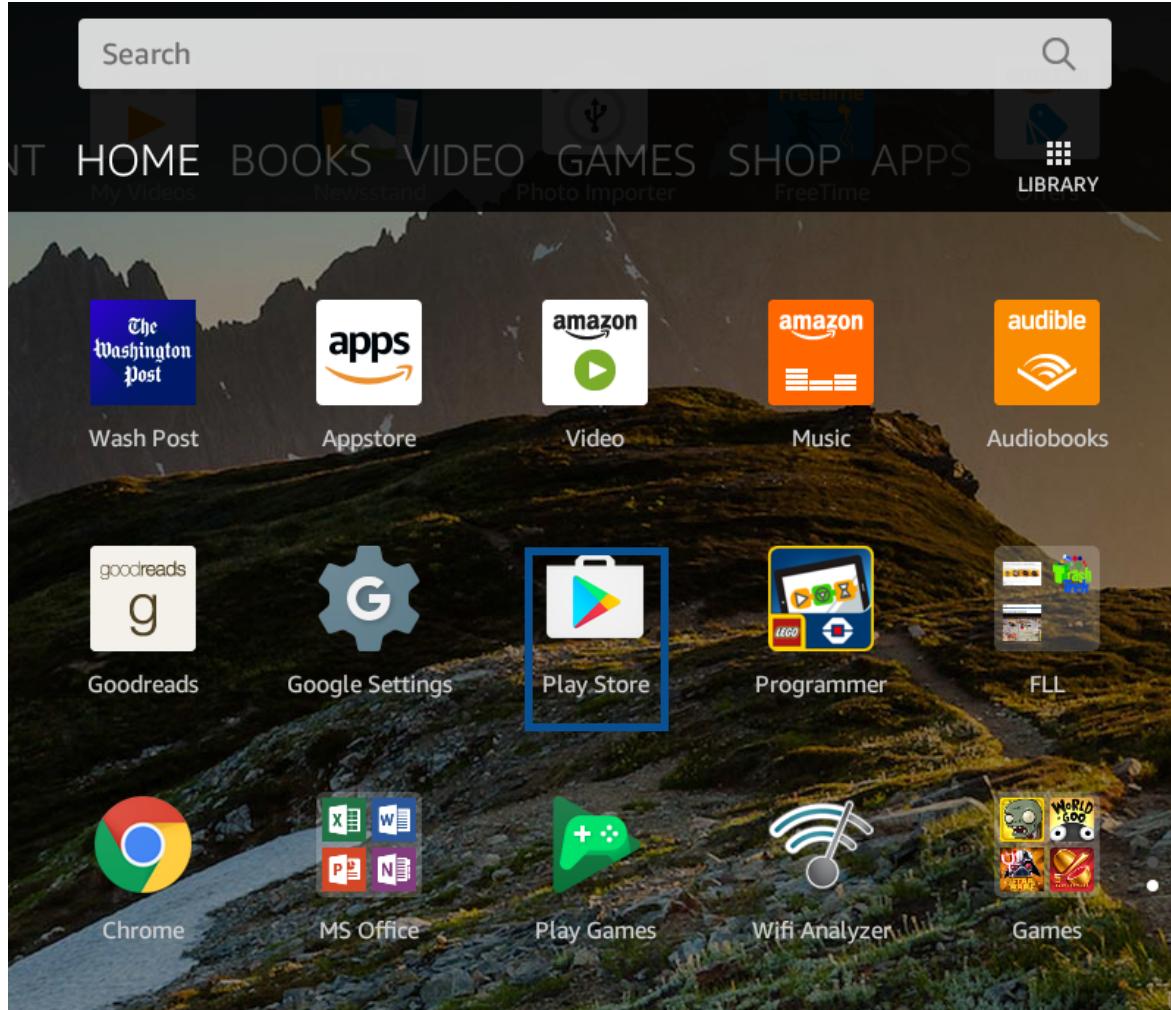


```
1 ADB Driver Install
2 Install Google Play store and remove ads from lock screen
3 block OTA updates from Amazon
4 unblock OTA updates from Amazon

Let's Do This...

Please make a selection or hit ENTER to exit: 2
```

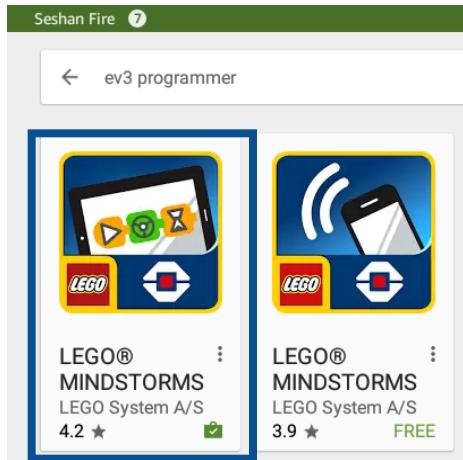
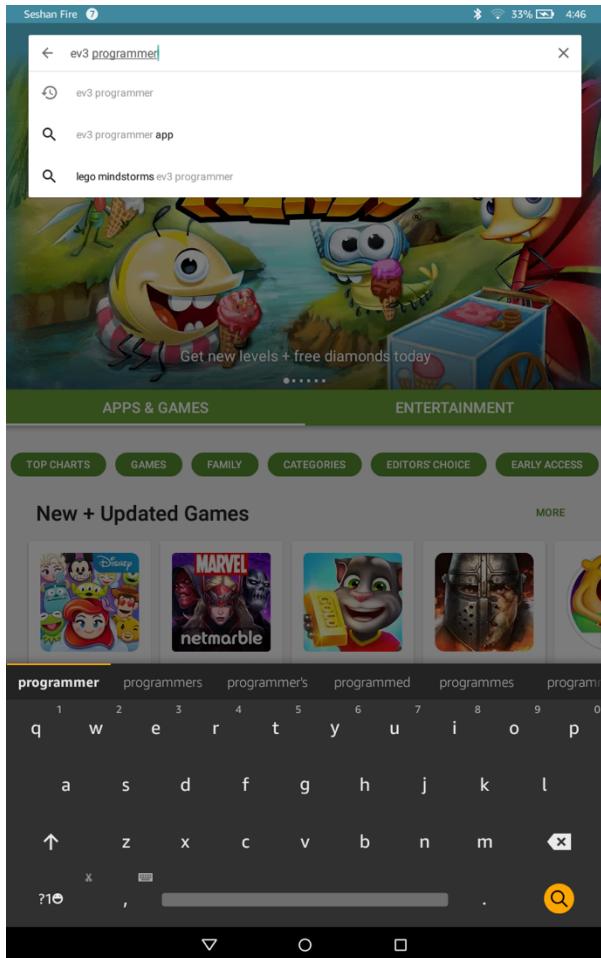
Launch Google Play



Launch Google Play
and follow the setup
instructions

You will now find Play Store amongst your applications

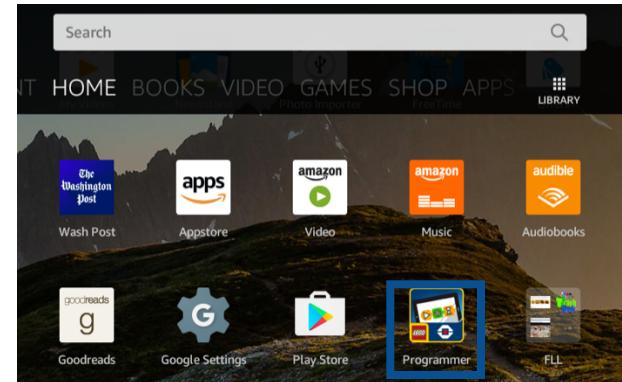
Install LEGO MINDSTORMS



INSTALL

Press install and accept
all pop-ups

Choose the option
that looks similar to
the one selected
above



Enter “EV3 Programmer” in
the search bar

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



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