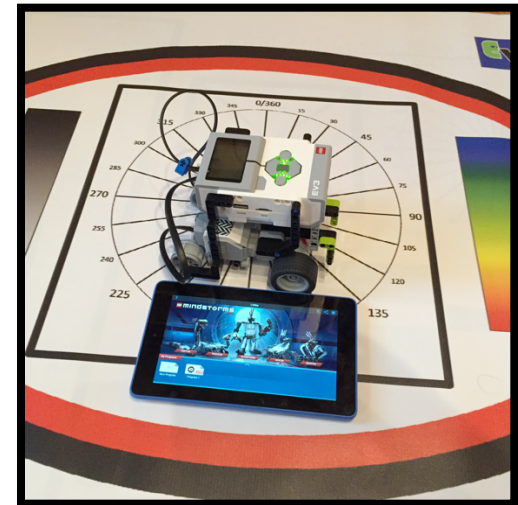# INSTALLING THE LEGO® MINDSTORMS® PROGRAMMER APP ON THE AMAZON KINDLE FIRE TABLET

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

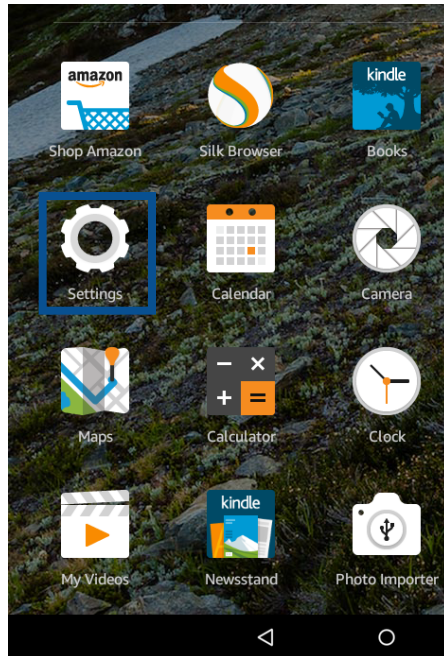- Kindles offer an inexpensive Android-based alternative

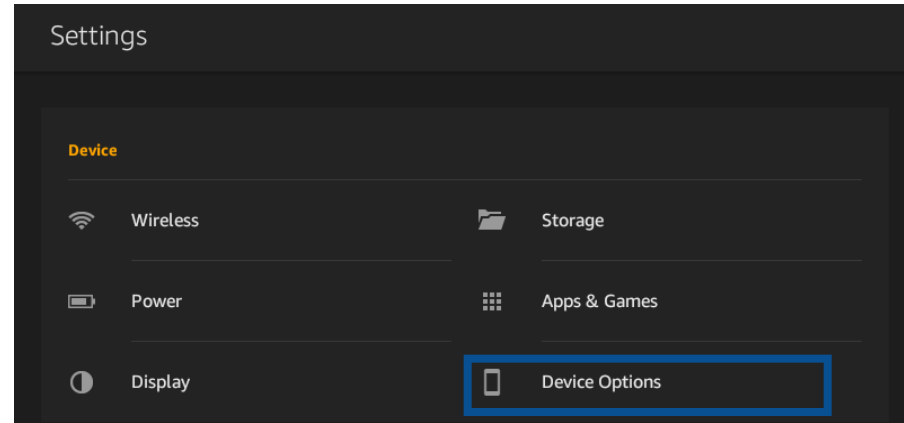# Getting the Programmer Application

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*
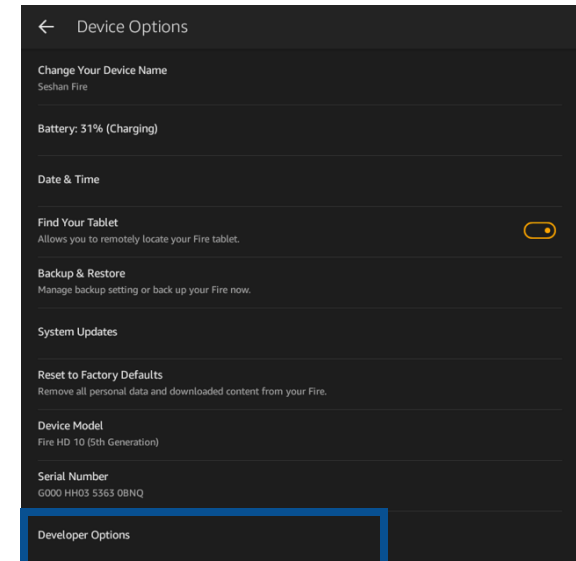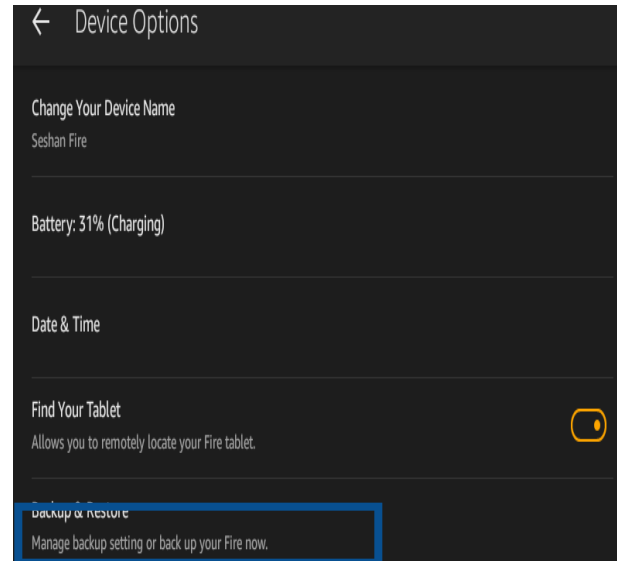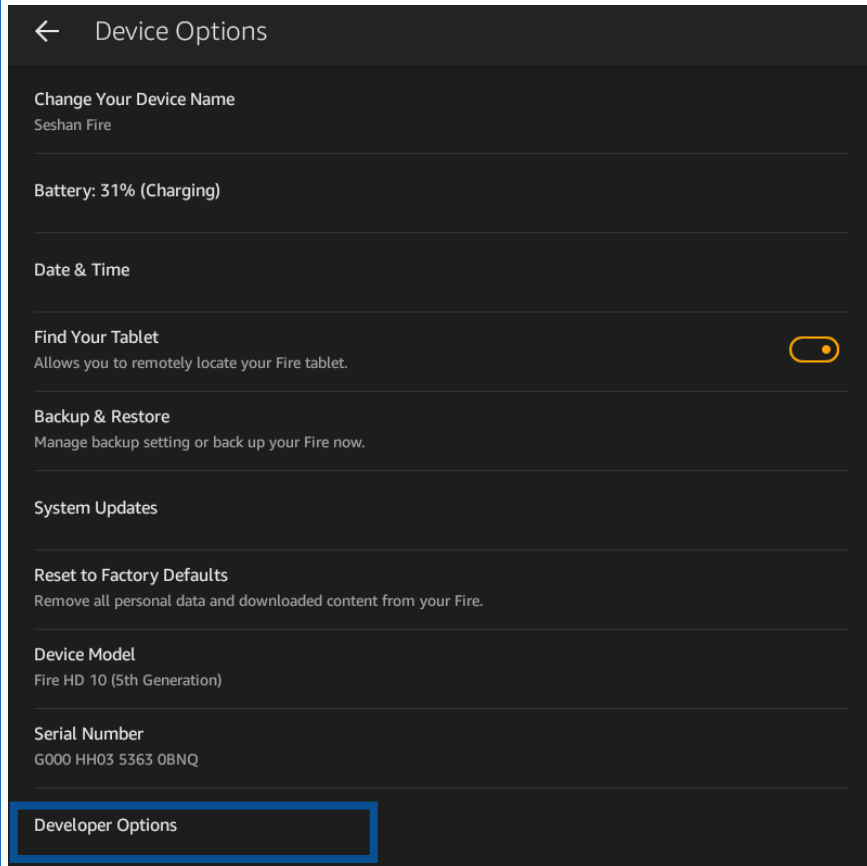
Step 1: Enable Developer Mode

Launch Device Options
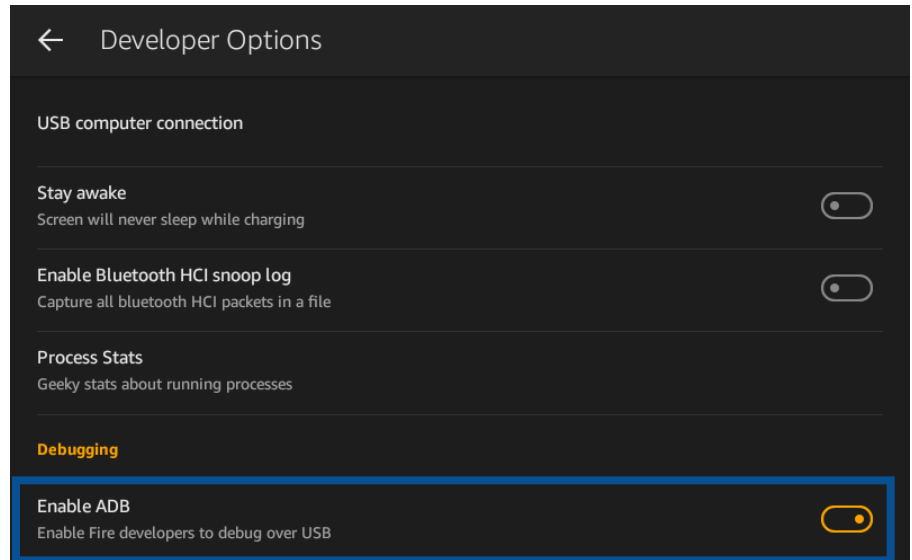
Launch Settings

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

Step 2: Enable ADB

Open Developer Options

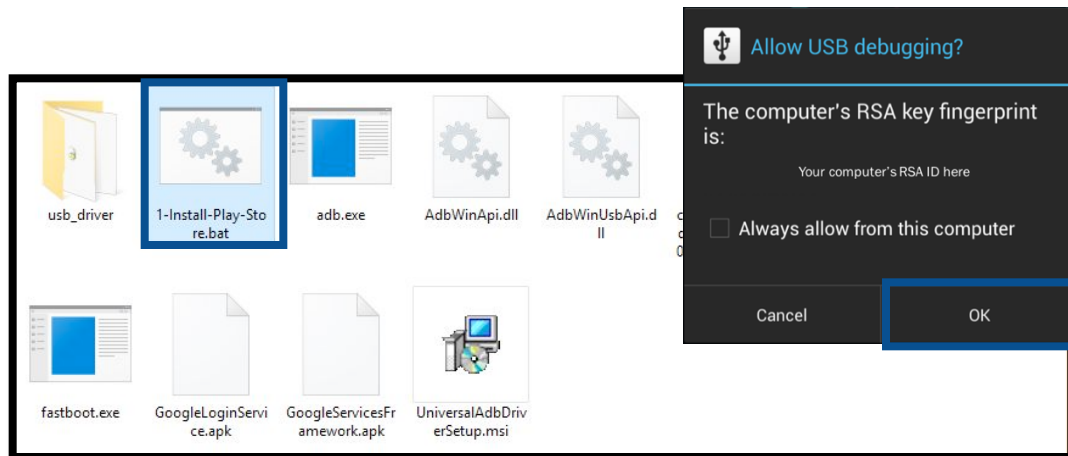Check Enable ADB and choose enable on the pop-up

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

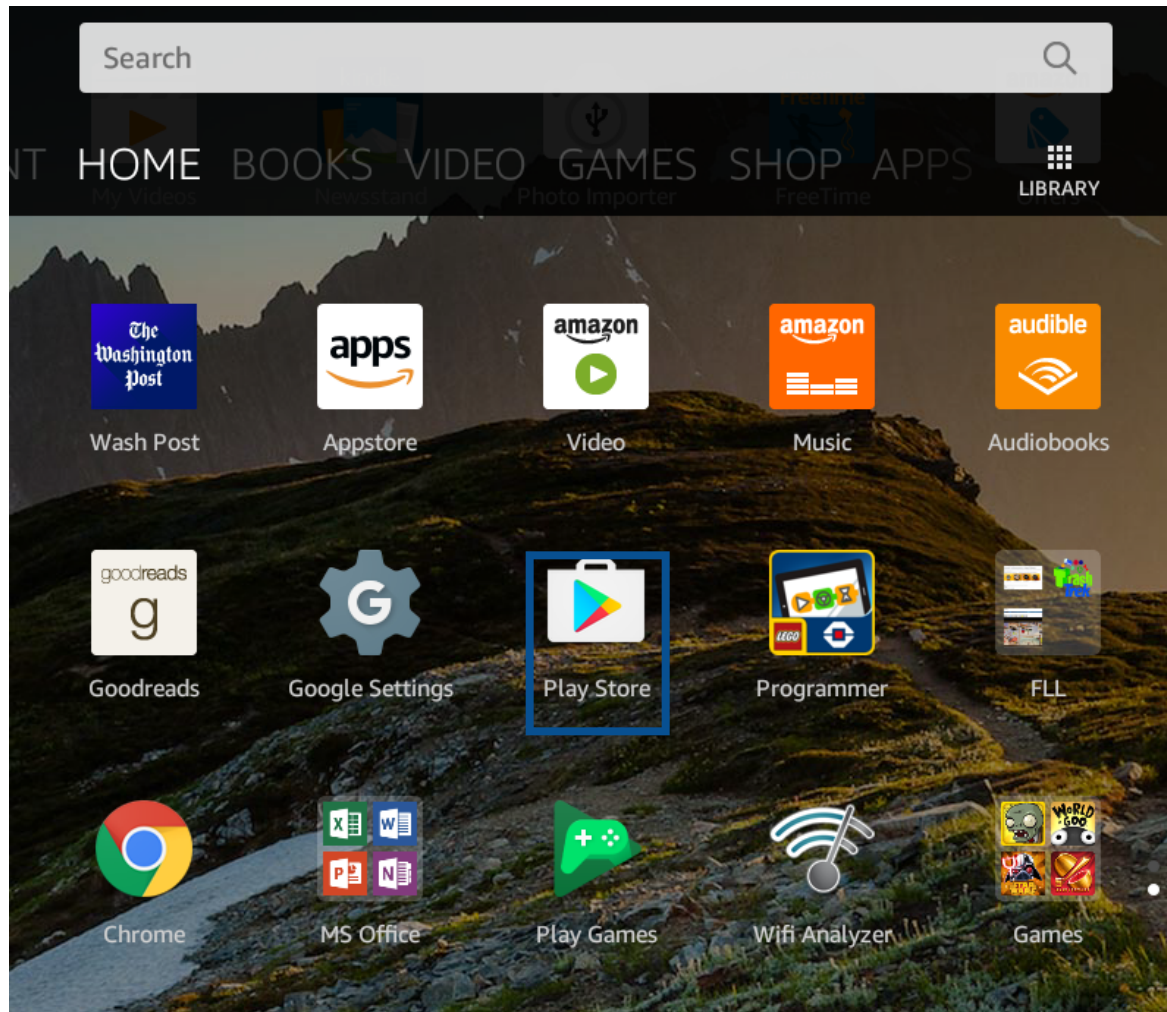Type number 2, and
press enter and then any
key at the next menu

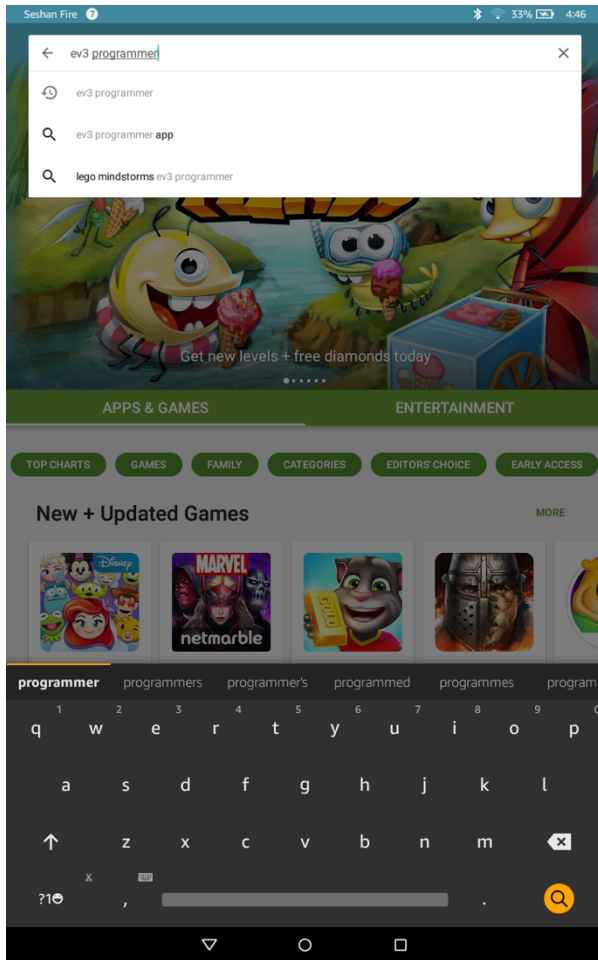Reboot your Kindle
Fire after you are
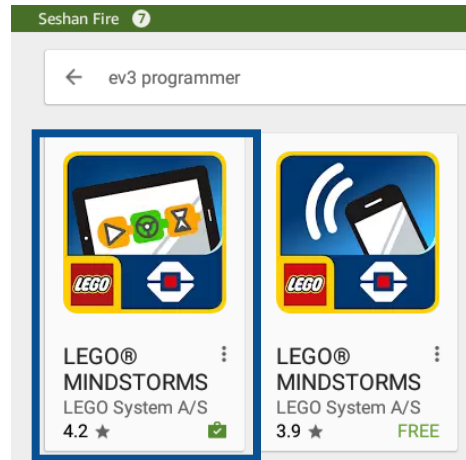done

Launch Google Play

Launch Google Play and follow the setup instructions

You will now find Play Store amongst your applications

Install LEGO MINDSTORMS
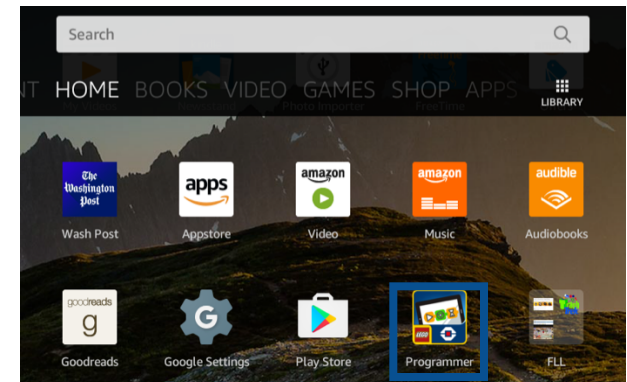

Enter "EV3 Programmer" in the search bar

Choose the option that looks similar to the one selected above

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