



Pearadox Scout Device Setup

1 Introduction

Pearadox is developing an Android app to facilitate the "scouting" phase of the FIRST Robotics Competition (FRC). The design concept is to have 6 Scout apps that report match and Pit information to a Scout "Master" app that acts as a Listener and Scheduler for the competition process.

2 Kindles

The devices that will be used are Kindle HD 8 tablets with Wi-Fi and Bluetooth technology. The specific devices are:

Device Name	Mac Address		
Scout-Master			
5414 Red-1			
5414 Red-2			
5414 Red-3	AC:63:BE:E3:FF:86		
5414 Blue-1			
5414 Blue-2			
5414 Blue-3			
Visualizer			

3 BT Tethering WiFi

3.1 Phone

A team member or Mentor will provide a phone to create a Bluetooth tethered to Wi-Fi for the team device(s) to access the Internet. This phone should have a 4G "No Limit" data plan (to prevent data overages) and be fitted with an external Battery Power cell (for competition).

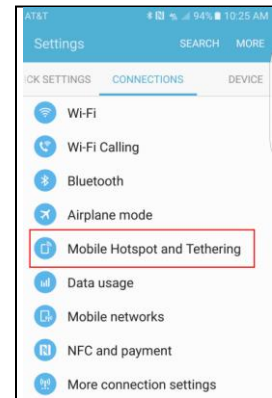
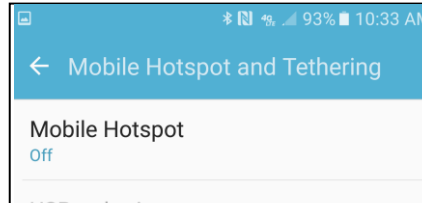




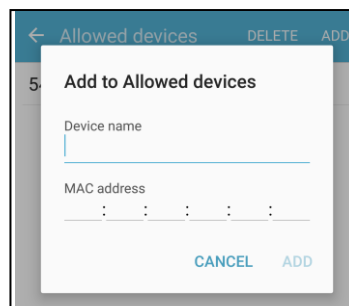
3.2 Tethering Setup - Host

To create the "Hot-Spot" for the Kindles to use, follow the following steps:

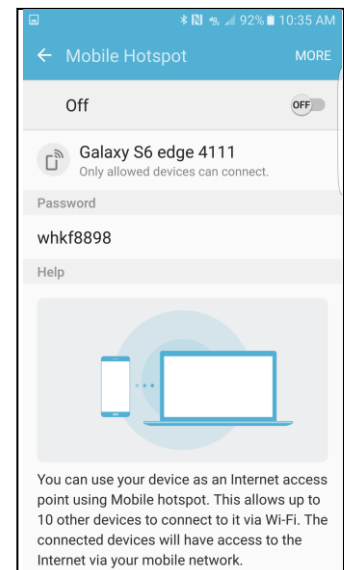
- Go to Settings and select Connections
- Select "Mobile Hotspot and Tethering"
- Click "Mobile Hotspot" to turn ON



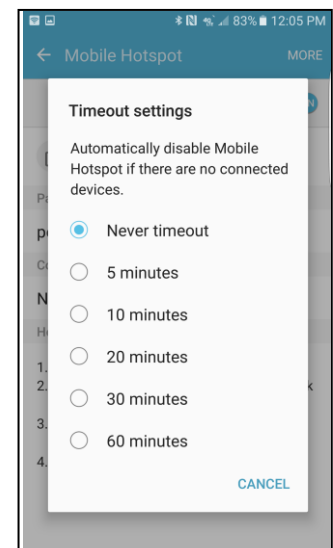
- Click the MORE option at top right.
- Add all of the devices in the table in Section 2.



- Click on the Device Name ('Galaxy S6 edge 4111' in this example) to choose whether to let ALL devices attach or only our devices.



- Click on the password field ('whkf8898' in this example) and change the password to 'pear5414'.
- ?
- Click the MORE option at top right. Click on "Timeout".
- Set radio button to "Never Timeout"





3.3 Tethering Setup - Scout Devices