

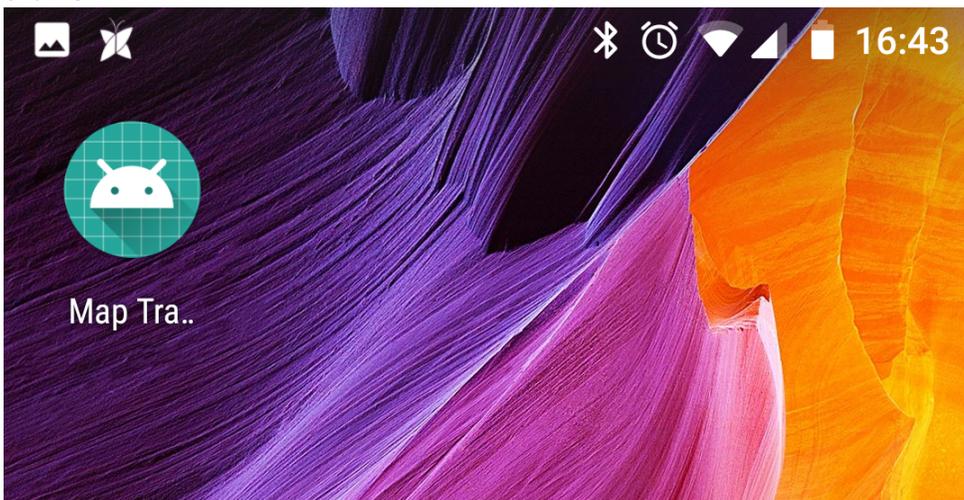
Map Tracker Guide & Best Practices

Map Tracker is an Android app written by application developers at the School of Engineering. It is used to display maps and allow people to check in to landmarks and is fully configurable.

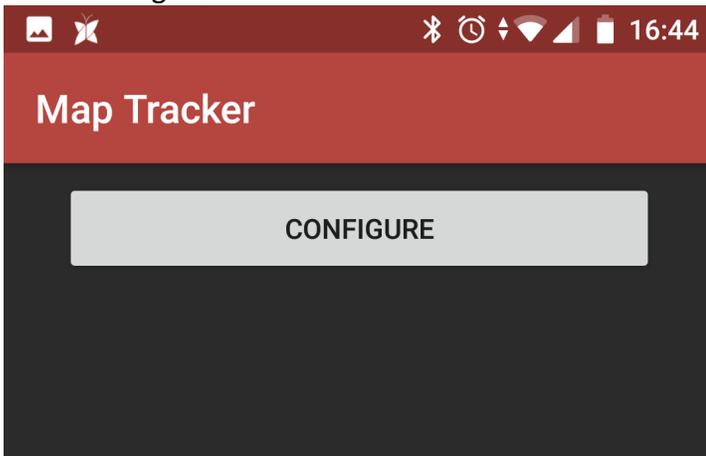
Please return your beacon once a week to get new batteries. This process only takes a minute or so.

This guide is an instruction manual for using the application:

1. On your device find Map Tracker, if not on the home screen look at the application drawer.

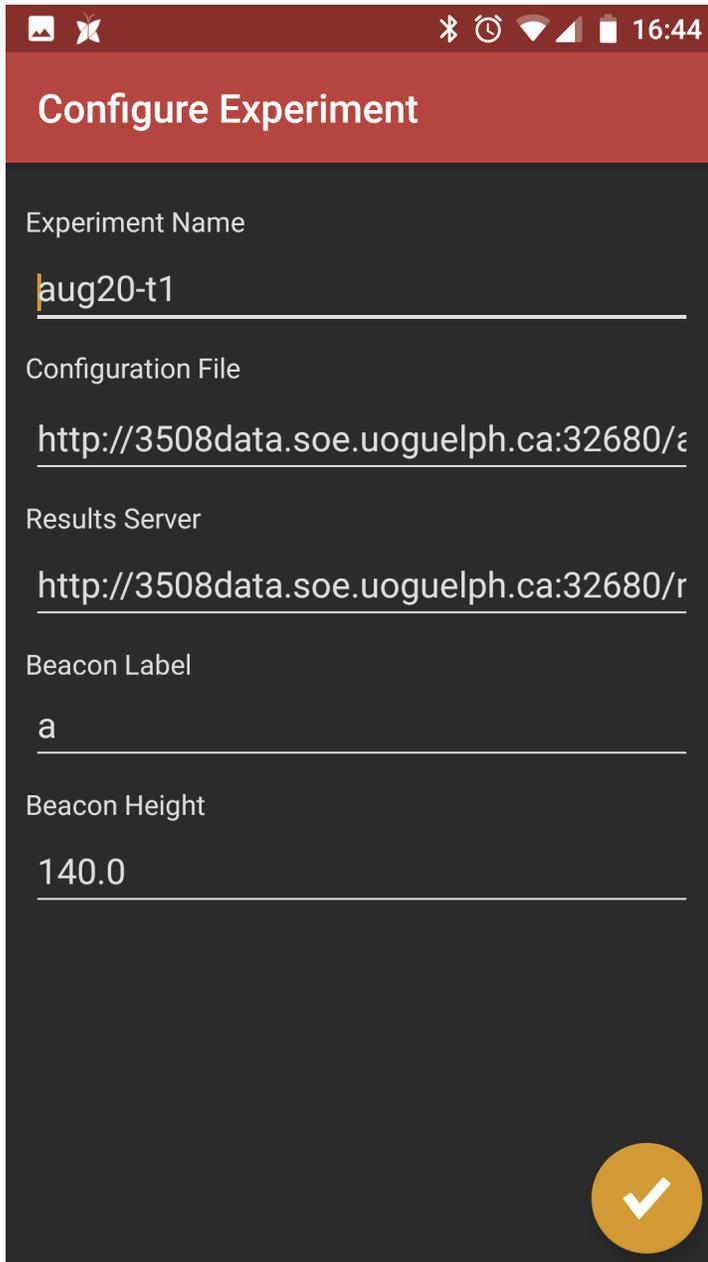


2. Click "Configure"



3. Enter the configuration details provided on your card provided

4. Press the checkmark to return to the main screen



Experiment Name
aug20-t1

Configuration File
http://3508data.soe.uoguelph.ca:32680/a

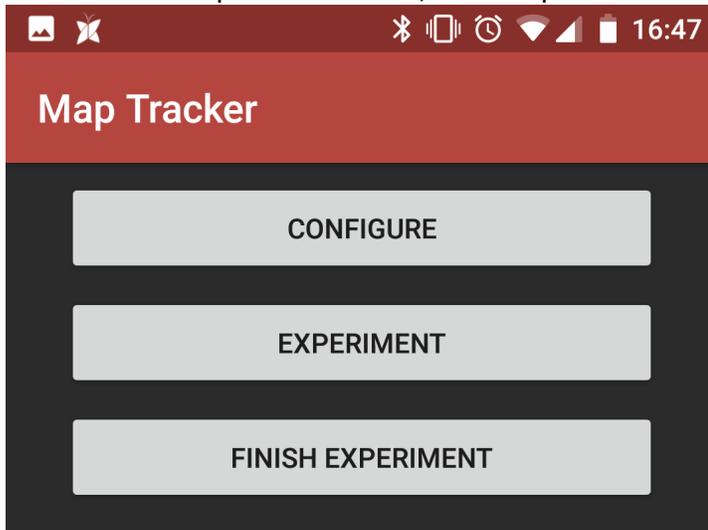
Results Server
http://3508data.soe.uoguelph.ca:32680/r

Beacon Label
a

Beacon Height
140.0

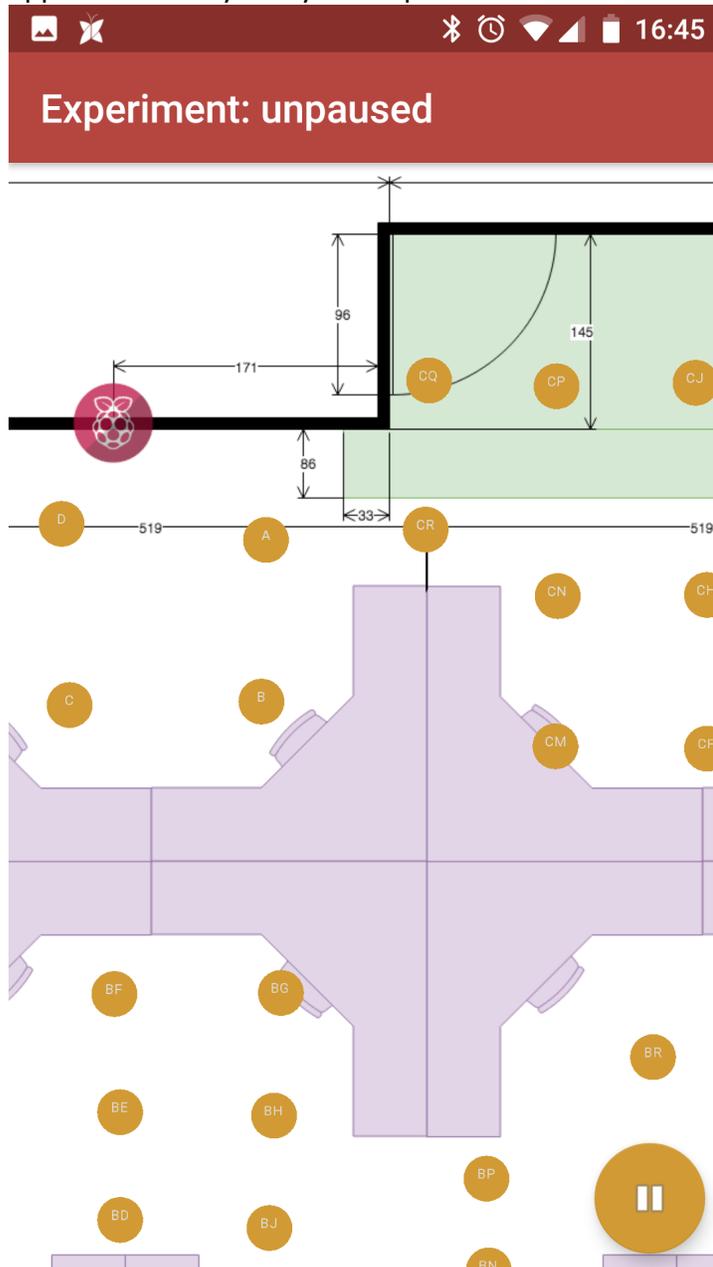


5. There are new options available, click "Experiment"



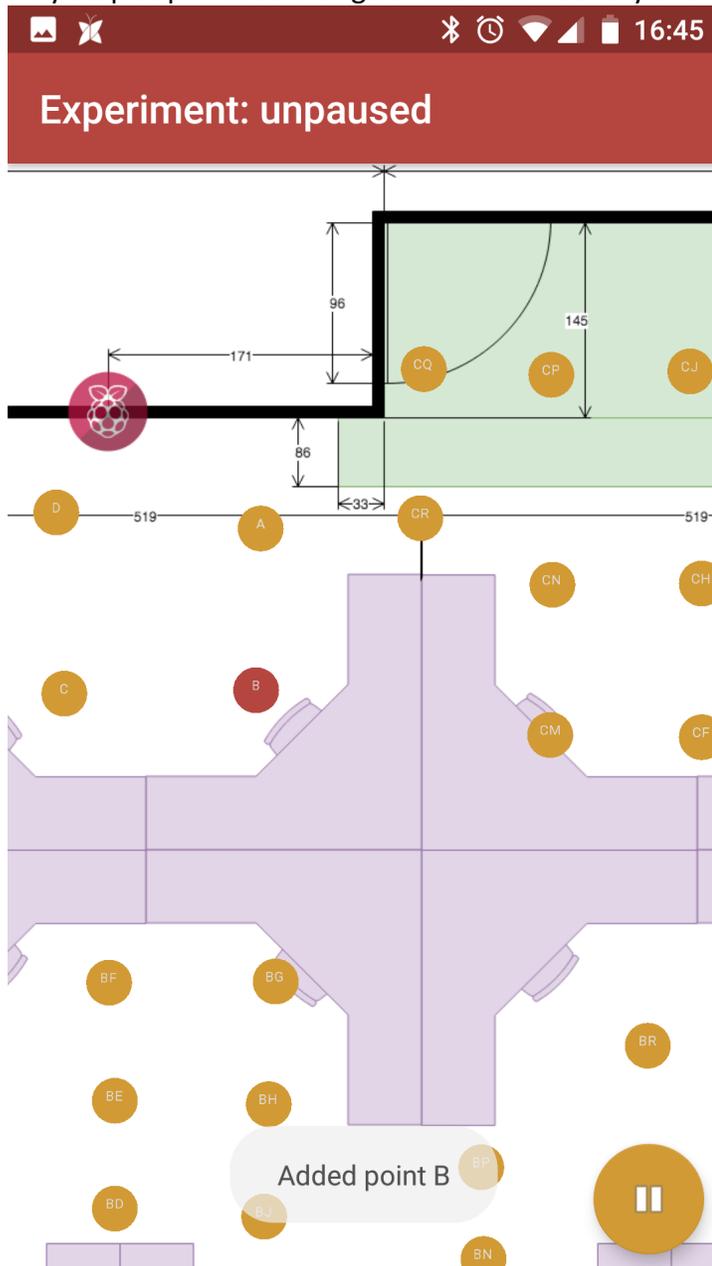
6. This is the experiment screen you can pan by holding and dragging, zoom by pinching and spreading, and enter new points by tapping the circles.
The pause & play buttons let you freeze data collection at any time. The top of the

application tells you if you are paused or not.



7. Find a landmark in the experiment area and stand on it. Tapping your first landmark will start recording with the sensors. Once you have tapped the first location it will change colour to indicate it has been activated. If media volume is set high enough it will also make a sound.
8. Once you have hit the first landmark identify another landmark and start to move to it, hit the corresponding landmark in the application. **Walk straight towards the landmark do not curve your paths between landmarks. Also try to maintain consistent speed.**

9. As you are moving tap the landmark when your body is centered over the landmark. You may stop at points to change direction or identify the next point.

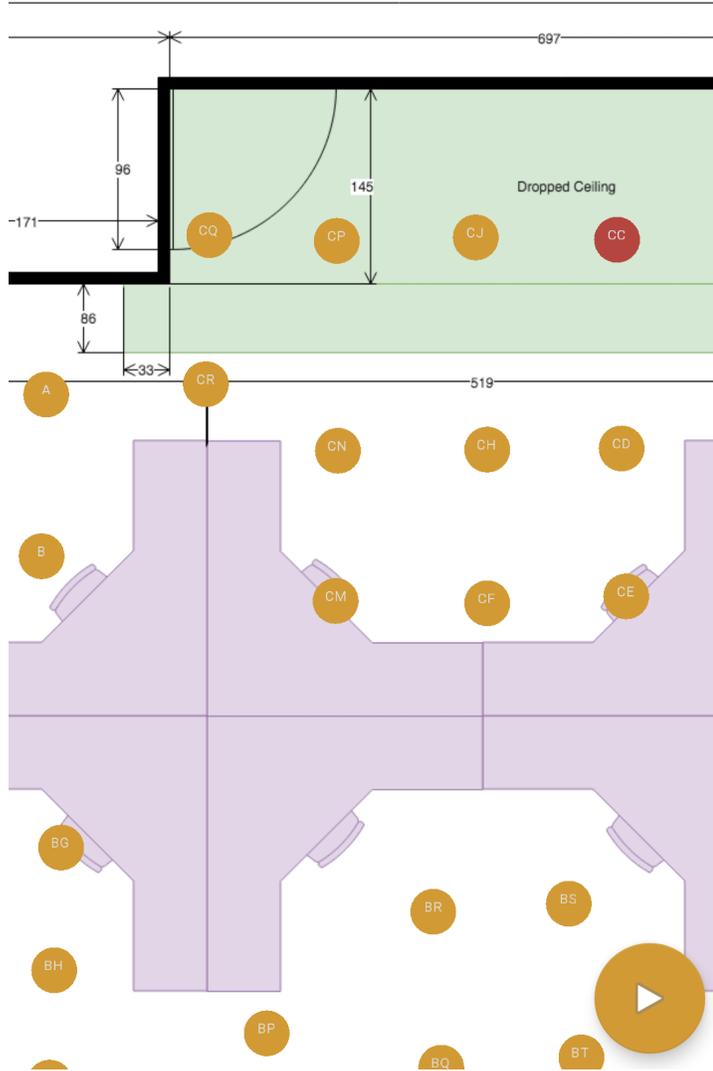


10. Pausing will let you do other actions such as move around freely if you are unable to maintain focus on the app and movement at the same time, or for any other reason you feel necessary. **You should pause the app when you are stationary for a long period of**

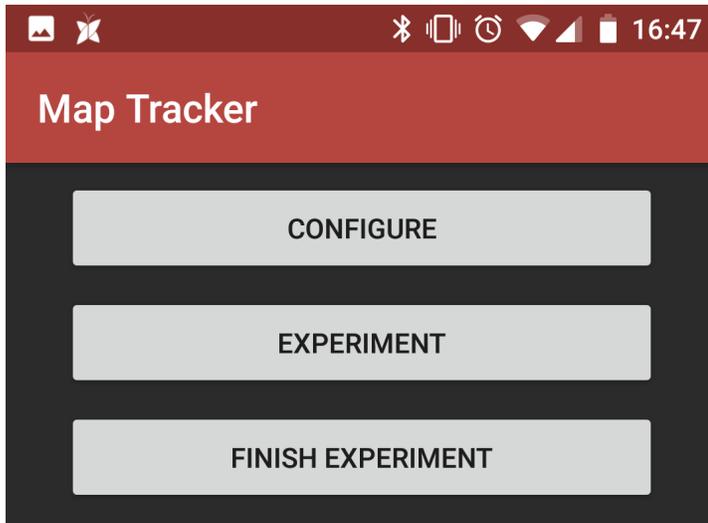
time.

📷 ✖ 🔊 ⌚ 📶 🔋 16:45

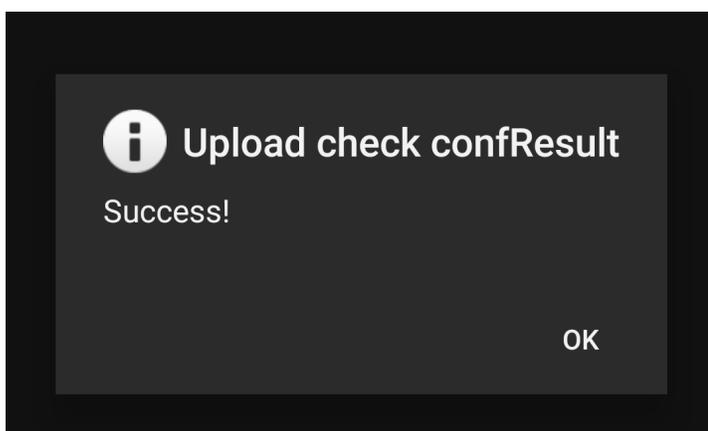
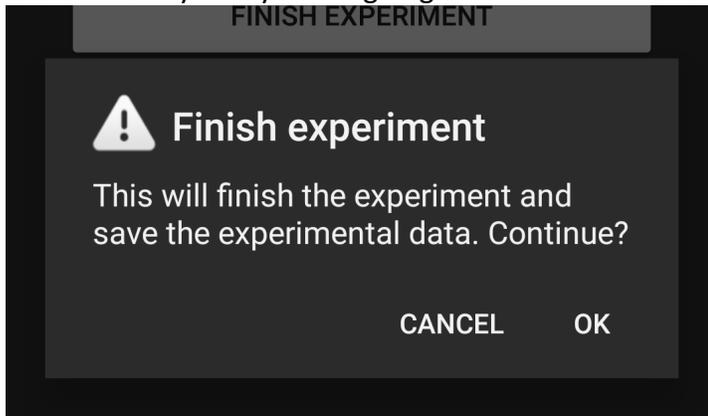
Experiment: paused



11. Press back on the device and return to the main screen



12. Pressing "Finish Experiment" will send your current data file to the server, do this at the end of the day or if you are going to take a break for a couple hours or more.



Tips:

- It takes a little practice to get good at multitasking however once you've gotten it is fairly easy to keep up while in motion

- Closing the app without saving (via the system tray) is a way to prevent sending poor data if you want to practice.
- Some location error is expected, do not attempt to replay your steps by tapping the path you actually took just move to the next correct landmark and start again.
- If you run into problems you should notify the experiment runner Brad Kennedy.
- Your beacon should be worn around the neck in the same location each day.
- **Batteries need to be refreshed once a week, please return your beacon to Brad Kennedy to a replace your battery.**