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# **1 Welcome to KinderFinder**

## **1.1 What is KinderFinder**

KinderFinder is a solution that uses indoor tracking of people , to assist with a common problem in public places. Many restaurants aim to give parents a worry free dining experience, by providing facilities to entertain, and safely look after their children. However, a parent still has the worry, and consistent need to ensure their children are still in the safe and designated areas. The solution will attempt to assist the parents in being able to make sure their children are still in these areas without the need to get up from their tables.

## 2 About this manual

- Please read this manual before using the device to ensure safe and proper use.
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- Descriptions are based on the devices default settings.
- Images and screen shots may differ in appearance from the actual product.
- Content may differ from the final product, or from software provided by service providers or carriers, and is subject to change without prior notice.
- Content (high quality content) that requires high CPU and RAM usage will affect the overall performance of the device. Applications related to the content may not work properly depending on the devices specifications and the environment that it is used in.
- Available features and additional services may vary by device, software, or service provider.

## 3 Getting started

### 3.1 Set up

Congratulations on your purchase of the KinderFinder system, this manual should help you get the most out of the KinderFinder system installed.

### 3.2 Installation

#### 3.2.1 Software

If you are purchasing the KinderFinder software for an establishment, good news, there is minimal installation required. All software necessary is on the cloud. Navigate on a web browser to [www.kinderFinder.co.za](http://www.kinderFinder.co.za) to view the Administration Portal that will provide one with the necessary admin tasks that will be discussed later.

#### 3.2.2 Room Maps

As you are aware, KinderFinder uses a map of the room being monitored to view the locations of tags worn by users. In this regard, a map of the room must be made and uploaded to the admin portal. The .JPG format for the map file would be sufficient. On the mobile application it would look similar to figure 1 below.

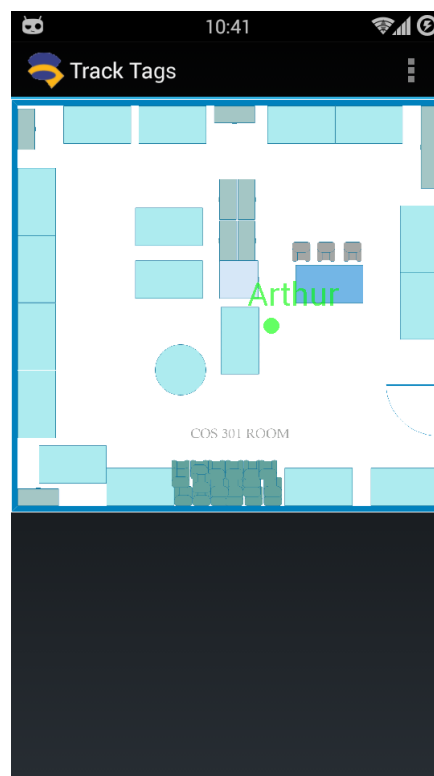


Figure 1: Map view in mobile application

### 3.2.3 Receivers

Receivers are devices that pick up the signals from tags worn by users. These receivers should be placed at the edges of the room for maximum range and location capabilities. Refer to figure 2 for the optimal places to place the receivers.

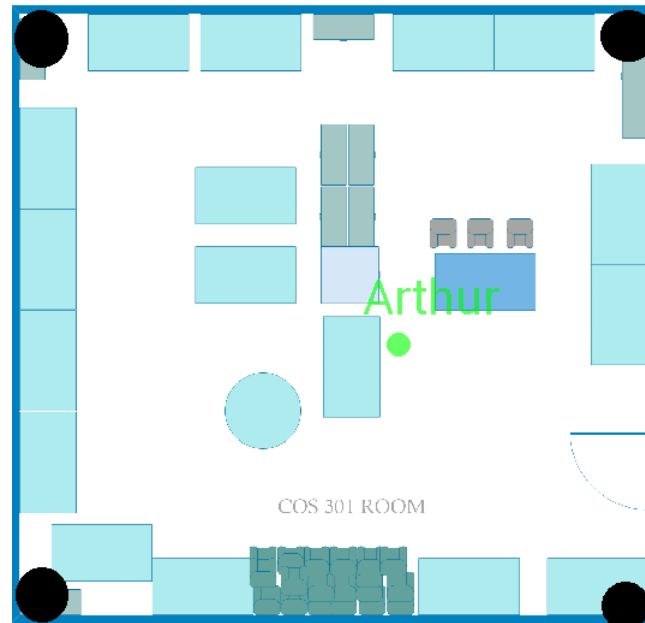


Figure 2: Optimal receiver placement

**Setting up Receivers** Receivers used in KinderFinder are android mobile devices. The application that needs to be installed on these devices is called "Transmitter" and should be run from the device. Upon opening the transmitter application, choose the establishment the device will be used in and then the place in the room the device will be in X and Y Cartesian co-ordinates. Tap the "Transmit" button and the application will start to transmit to the server. Do this for all mobile devices used as receivers.