

## **MyOMaps**

Written by fnecomau  
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OMaps is a SmartPhone App that offers new options for Orienteering.

### **Users**

MyOMaps is useful to mappers, course planners, event organisers placing controls in the forest and of course Orienteers...

### **Mappers**

Take the latest version of your map with you into the field and know where you are on the map. You can even use a tablet device to see a large screen view. Record tracks and mark features to assist with your mapping.

### **Course Planners**

During your field visits, track your position in real time on your O-Map. Be absolutely confident you are at the right location, and confirm the accuracy of the map.

### **Control Placement**

Track your position on the map and be sure you have the controls in the right places when you put them out.

### **Orienteers**

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Training – Set your own course – The App will alert you when you get to the control site – without there needing to be a physical control at the site. Run the same course multiple times and compare route choices.

GPS Orienteering Events – Participate in events using GPS rather than Flags and SI units to mark locations and record splits.

Permanent Courses – Download a permanent course and run it with the App to record your splits - Be the best!

Spectators/Parents – Track your runner/child in real-time with the tracking option (future release).

## **Features**

There are many ways to use MyOMaps. Following is a list of its key functions:

### **GPS Functions**

- Records your track; time; pace
- Charts your pace, distance and elevation
- For training purposes - gives audio announcements of your distance and pace at intervals you can set
- Can drop a pin at the current location
- Exports tracks and pins in GPX, KML, CSV, TCX formats

### Map Functions

- Imports Orienteering Maps from OCAD (Geo-referenced Map from OCAD 10 or 11) in KMZ format
- Imports other KMZ format maps
- Controls the transparency of the map to see through to the Google Map for easy cross-checking of map accuracy
- Creates your own geo-referenced map easily in two steps:

1. Obtain an image of the map:

Take a photo of a map with your SmartPhone (for example the O-Map (and course) you have just run

Or use a jpg file version of a map from the web or your PC

2. Position/Rotate/Scale the image to Georeference it as a map in the App by dropping a pin on two easily identifiable points on the image of the map and dropping corresponding pins on the two corresponding locations on the Google Map. Save the map as a KMZ for future use.

### Orienteering Course Functions

- Import a course file from OCAD or other system (eg Corpse) in IOF XML format
- Display the course on the map

### Event Functions

Run the selected course using the following functions:

- The timer starts automatically at the Start Triangle and Stops at the finish
- The smartphone Beeps and vibrates when at each control location (no flag or SI unit required)
- MyOMaps records split times
- MyOMaps allows the runner to “Manual Punch” if the GPS signal does not indicate proximity to the control yet the runner believes they are at the control site.

Run either a hybrid or fully-digital Orienteering training or competitive event:

- Paper map or electronic map;

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- Electronic maps that do not show your current location or track during the event (Future feature)
- Physical controls on site or just digital locations;
- SI for recording controls visited and split times or using the GPS and recorded time

Run a conventional course, a scatter event or a score event (Score events are a future feature).

Record your track as per GPS functions above.

### **Results Functions**

Display your splits and GPS track on the SmartPhone

Create a results file in OE format for uploading into Orienteering Results systems

### **Tracking Functions**

Track runners in real-time with a matching spectator App

This is a future feature and relies up there being mobile phone coverage of the course