User Guide

# Running the Raspberry Pi Application

## Prerequisites

Please ensure that you follow the Installation and Configuration Guide before you continue onto the user guide.

## Running

To run the application you need to plug the OBDII dongle into the OBD port in your car. Start your car and power up your Raspberry Pi. The Raspberry Pi will automatically connect to the OBDII dongle and run the application. You can now complete your journey. Once you have completed your journey, switch off the ignition. The Raspberry Pi will generate a report and you will now be able to access that report through the iconic application.

# Running the Ionic Application

## Prerequisites

As indicated above in Running the Raspberry Pi section please ensure that you have followed the Installation and Configuration Guide before you continue onto running the Ionic Application.

## Browser

To run the ionic application on your browser, navigate to the app folder through a terminal and run the following command

ionic serve

The app can also be run using an iOS or Android emulator through a browser. To run through an iOS emulator type the following command into your terminal

ionic cordova build ios

ionic cordova emulate ios

Or to run through an Android emulator type the following command into your terminal

ionic cordova build android

ionic cordova emulate android

## On iOS Device

To run on iOS you must be using Mac OS X or greater and have XCode installed. You will also need an Apple ID. More details on this can be found at

* https://www.ionicframework.com/docs/intro/deploying/.

First, create a provisioning profile:

1. Open Xcode > Preferences
2. Click on ‘Accounts’
3. Click on ‘Add Apple ID’

Next, you will need to build and run:

1. Navigate to the ionic folder and run: ionic cordova build ios --prod
2. In Xcode, open obdii.xcodeproj from platforms/ios
3. Connect an iOS device to your computer via USB
4. Select the device as the target and run

Lastly on the device itself:

1. Open the ‘Settings’ app on your iOS device
2. Go to ‘General > Device Management’. You’ll see the email address associated with the Apple ID or Apple Developer account you used to code sign your app.
3. Tap the email address
4. Tap ‘Trust <your\_email>’:

## On Android Device