

# User Manual

## Introduction

Our app is a driving assistant. There are not many apps on the marketplace right now that have our unique functionality, such as traffic light detection, stopping distance detection and predicting driving behavior.

We believe we have a lot of USP's that will stand out to users upon looking for driving apps.

Autotracker is not responsible for any damage done to any of the user's items/objects while using the app.

## Installation

1. To install the app from android studio, go to build at the top -> Build bundle/apk -> Build apk. From here you can go to file.io and upload the apk. Once on your phone you can copy the link that file.io gave you and download the file from their website. Once downloaded you can then install the app.
2. Or you can install the app from Apps enjoy by following this link:  
<https://appsenjoy.com/en/GMy4iANLyfO0VMA/file>
3. Once downloaded, the app will be placed into your phone's file folder. Or a respective app that holds your phone's files.
4. The folder where the app will be placed is inside the downloads folder.
5. To ensure that the installation process works, you first need to give permission to the file app (or respective app) to allow it to download.
6. To do this Click into the settings of your android phone
7. From there click "Apps"
8. Select the small button icons located at the top
9. And click into special access
10. Then from there click "install unknown apps"
11. Scroll down until you see the files folder (or respective app)

12. Click into it and checkmark allow from this source.

13. Now you can download the app by going into your files folder, downloads folder and locating it under the name "AutotrackerCA400.apk"

14. Now you have installed the app.

## **Layout**

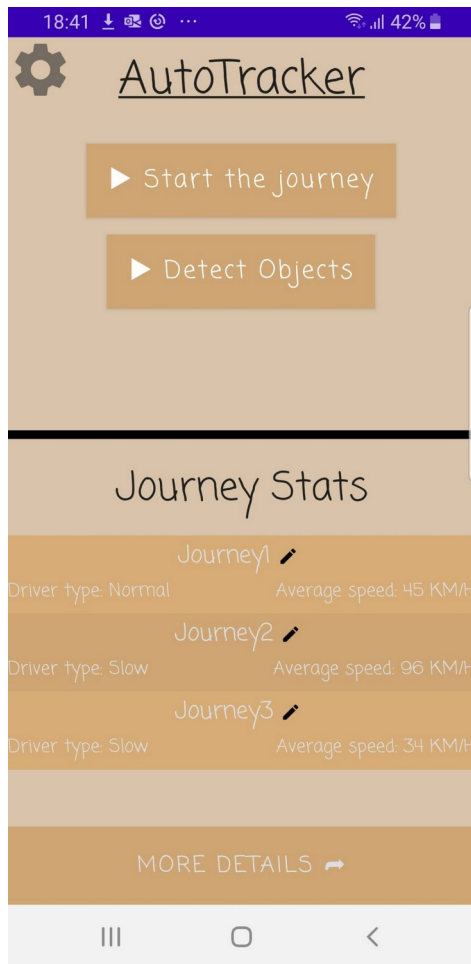
Upon first opening the app the user will be met with the login screen. From here the user can create their account and then login to their account using the details they just used to create the account. Once logged in they will be guided to the main menu screen. In this screen the user can start and end a journey.

The user can move to the detectobjects screen from the main menu. Here they can use the camera to detect oncoming traffic lights and stopping distances.

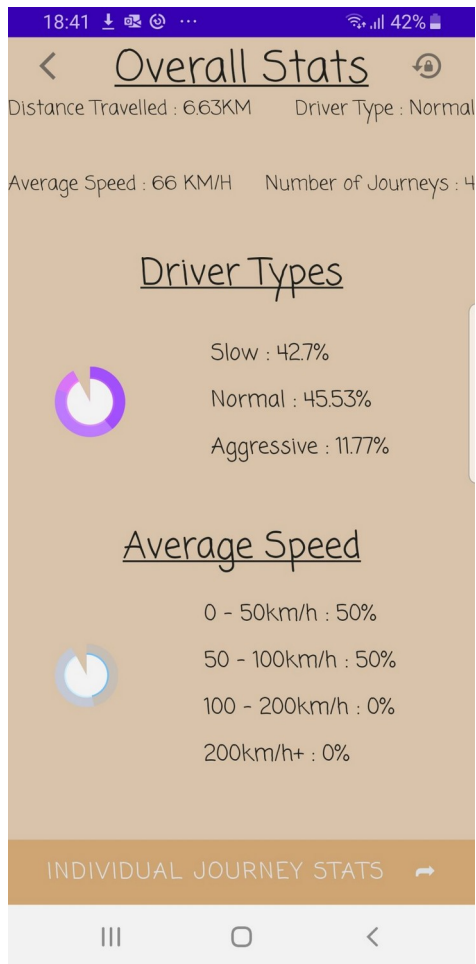
The user can also move to the journeydetails screen from the main menu, where they can see the overall stats of their journeys. The user can then move to the individualjourneys screen, here the user can view all the stats for their individual journeys.

## **App functionality**

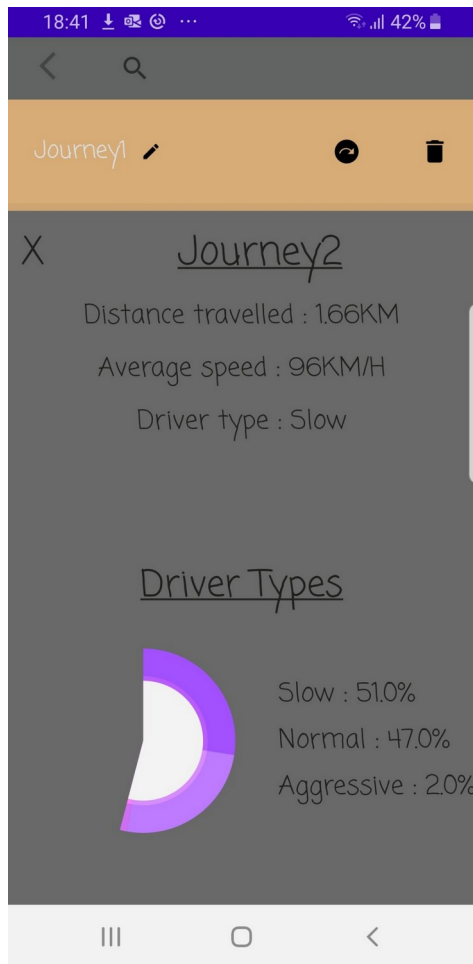
3.1 The user can start a journey from the main menu. Here the application will keep track of the vehicle speed and the road limit and track the user's driving behavior. It will detect if the speed limit has been broken.



3.2 The user can view their total journey stats such as total distance, average speed and driving style percentages in the journey details screen.



3.3 The user can view stats of their individual journeys in the individual journeys screen.



3.4 The app can detect oncoming traffic lights by the user if they enter the detect objects screen.

3.5 The app can determine if stopping distances have been breached by estimating the distances between them and the car in front of them.