



Cyberdyne Systems

User Manual

CTFastrak Application

Richard Bensics

Curtis Willbanks

Bart Szaro

User's Manual

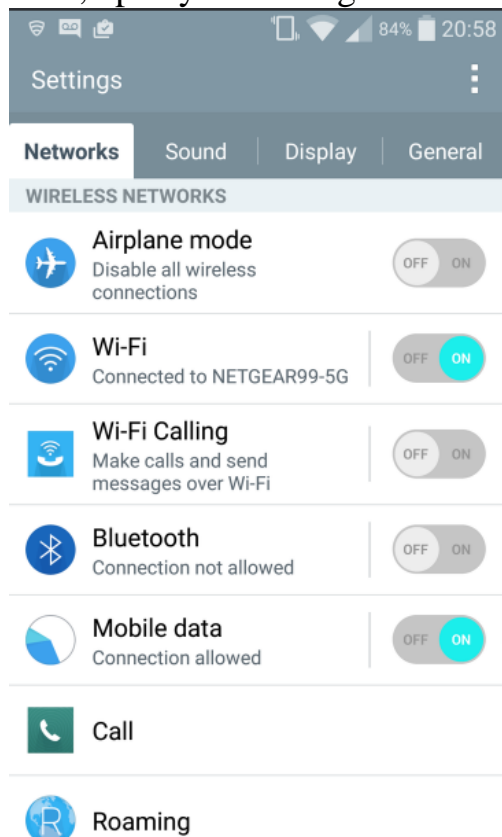
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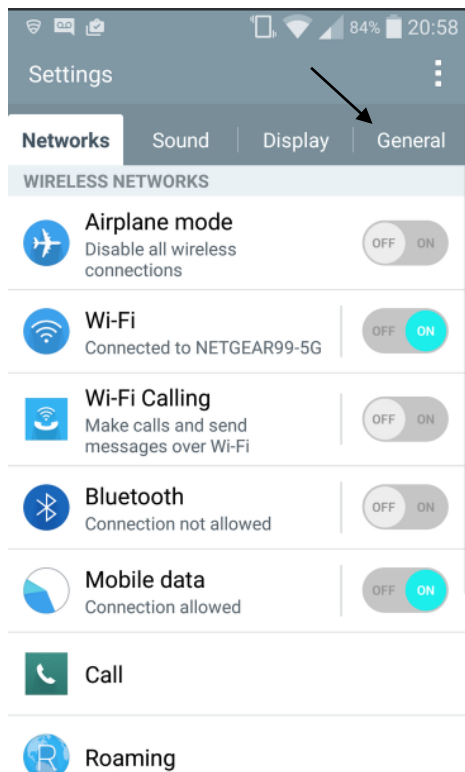
Before Downloading our Application

To use our application you will need to follow a couple of steps if you haven't downloaded anything besides the Google Play Store. These steps will allow your device to install an Android Application Package (APK). If you are familiar with these steps, or if you downloaded an APK before, follow to page 6.

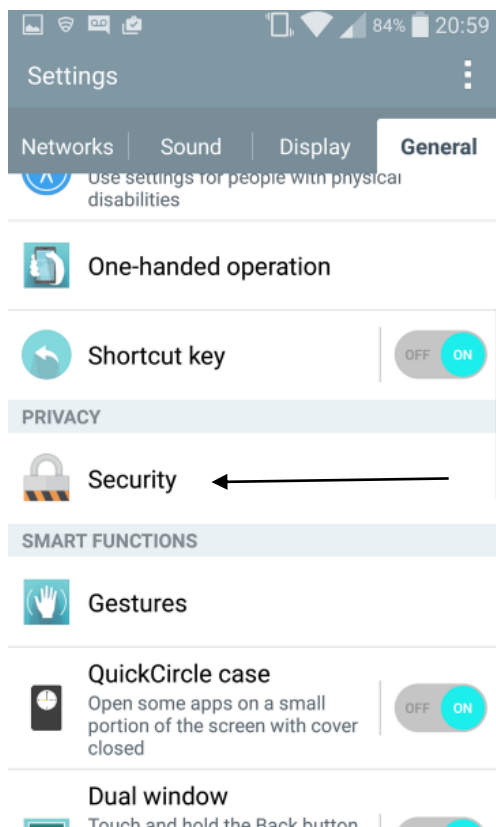
First, open your settings:



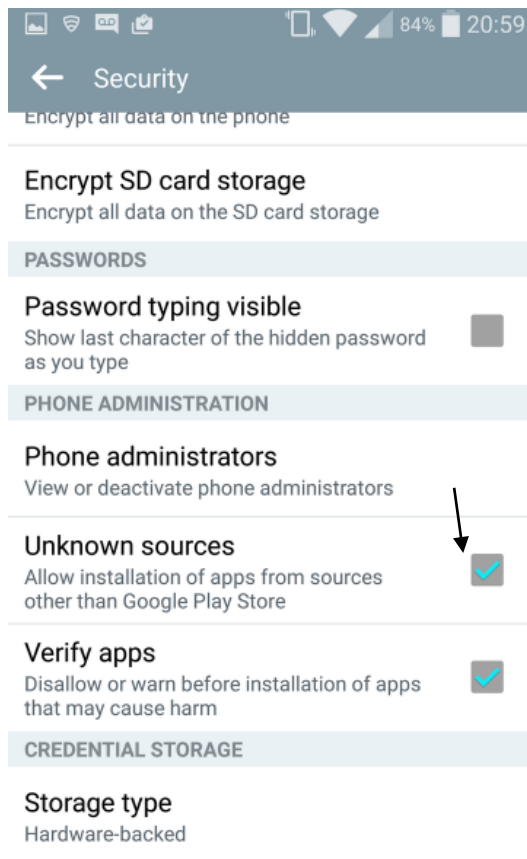
Then, tap on the “General” tab:



Scroll down to the “Security” option, and tap it



In the final step, tap on the box to allow “Unknown sources” to be installed, this way you can install our CTFastrack App using an APK.

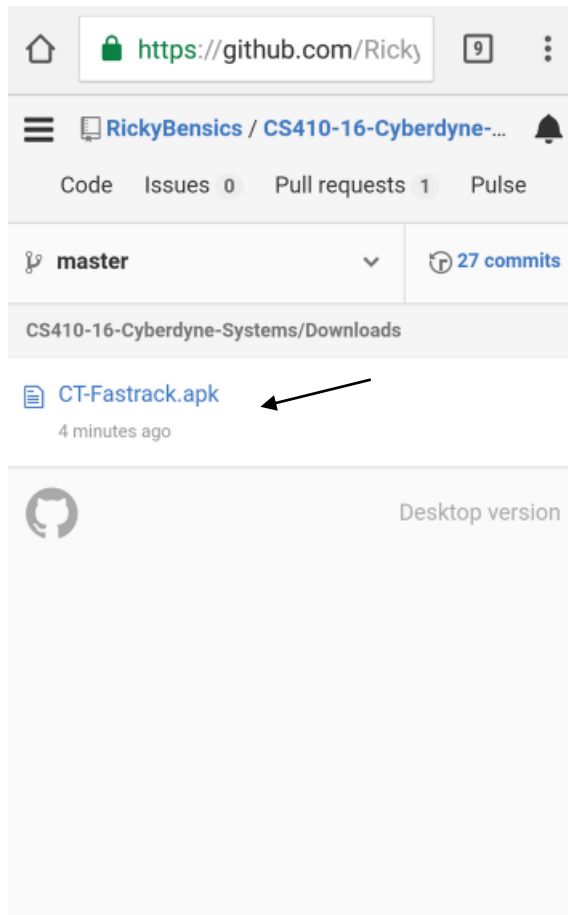


You may also want to download a file manager to find the APK if you won't immediately install it after downloading from your browser, however re-downloading the file also does the trick.

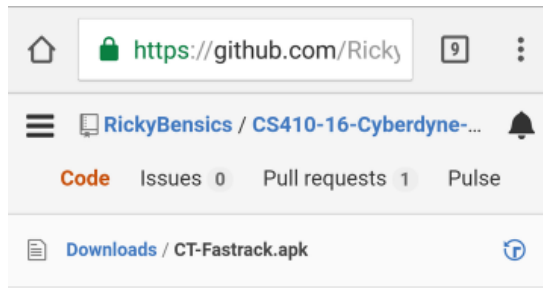
Downloading the Application

Our APK file is located here: <https://github.com/RickyBensics/CS410-16-Cyberdyne-Systems/tree/master/Downloads>

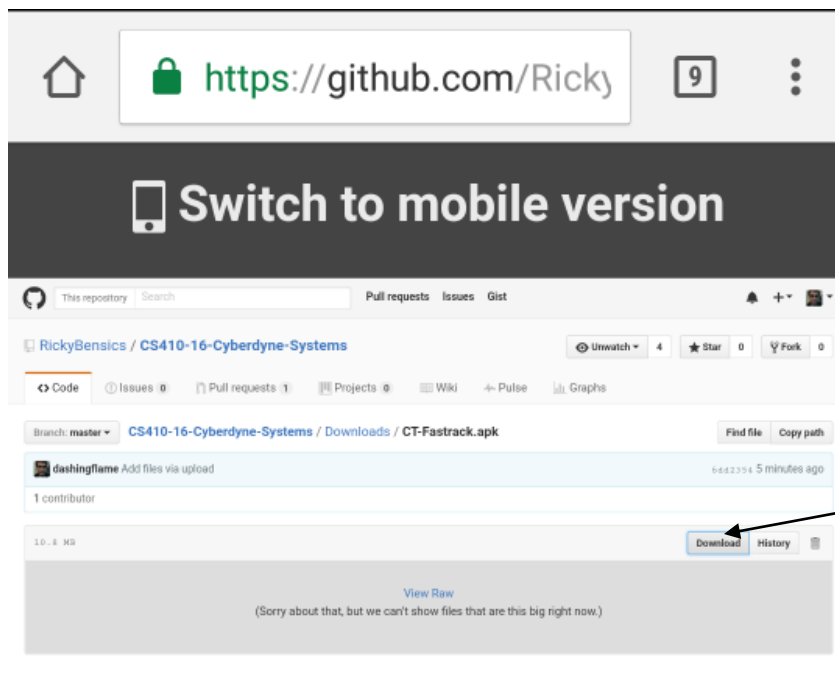
To download it from your device you will need to switch to a desktop version of GitHub. First tap the file



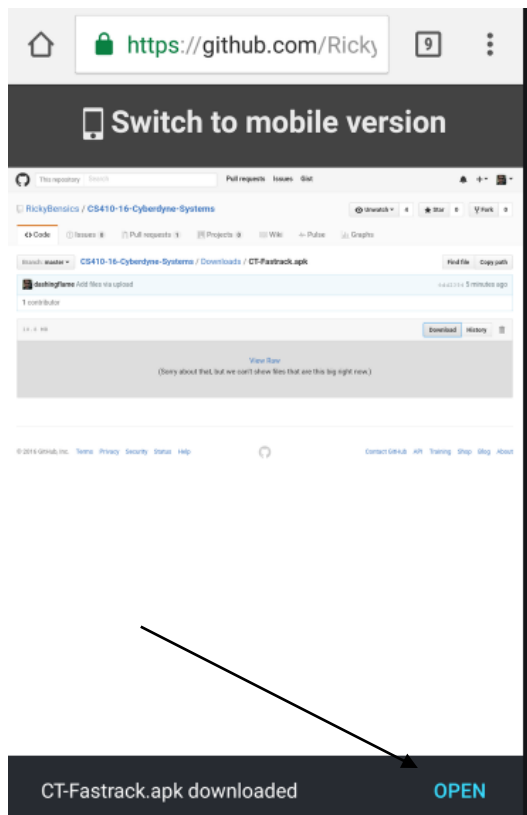
Then GitHub will try to tell you that the file is too big, work around that by switching to the desktop version of GitHub.



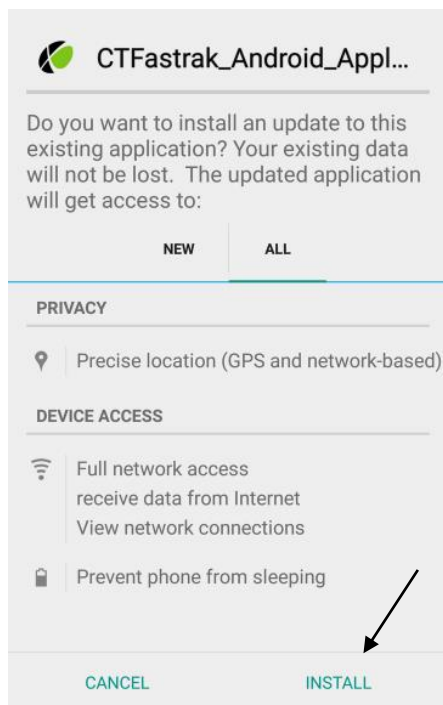
This file is too big to show. Sorry!



Tap the download button and install the APK



Next, tap the install button.



The app is now installed and ready for use on your device!

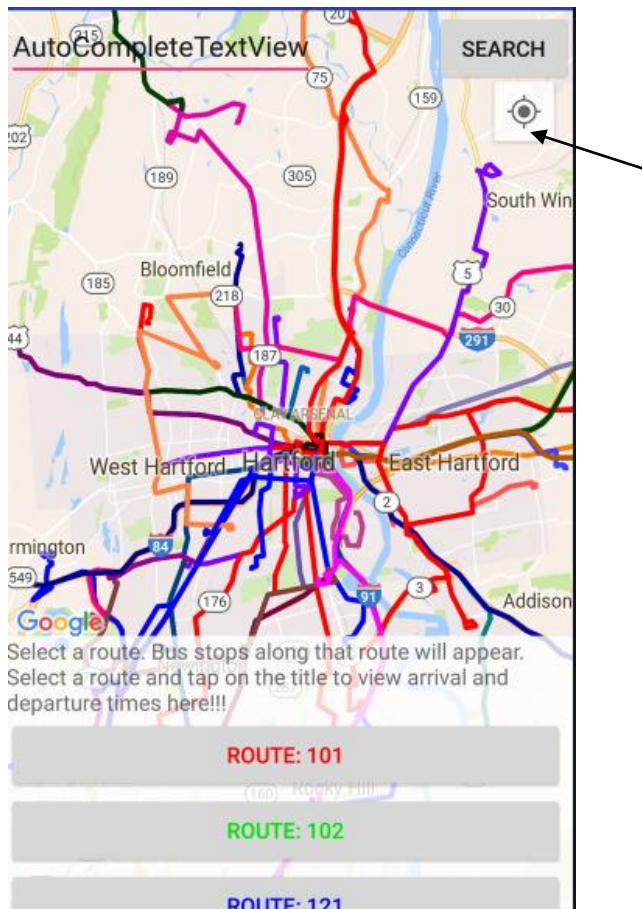
Main Features

This application uses real-time data to tell you the current CTFAstrack bus stop information. When tapping on the bus stop name, the bus schedule will be automatically adjusted to the current day, the route numbers of the busses passing though will be displayed, as well as the times of busses that passed will be crossed out based on the current time. Your location will be automatically marked by a blue circle that will mark where you are currently. If you're lost by browsing the map, there is a button that re-centers based on your location and keeps your current zoom level.

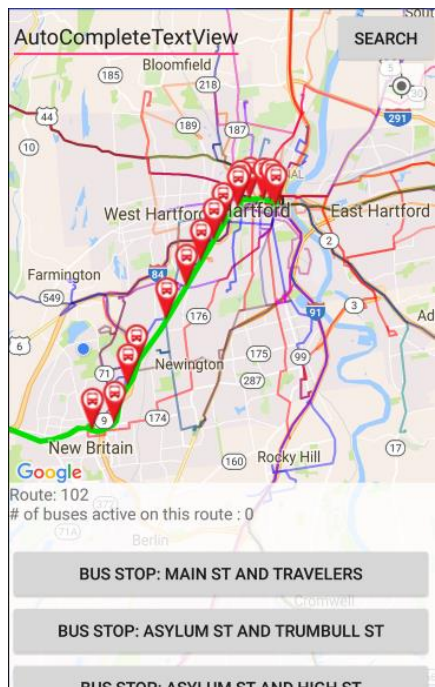
The routes are displayed on the map in different colors to help you identify them. You can view the route information by either tapping the route on the map itself, or tapping the route number will display the list of bus stops on that route. Individual bus stops will be marked and the route will be of a bigger size than the other routes. The search box will allow you to look up the bus stops if you know where the intersection of a bus stop that you are looking for is. The application is also connected to Google Maps, where you may get the directions to the chosen bus stop or just view the main points of interest around the chosen bus stop.

Using the Application

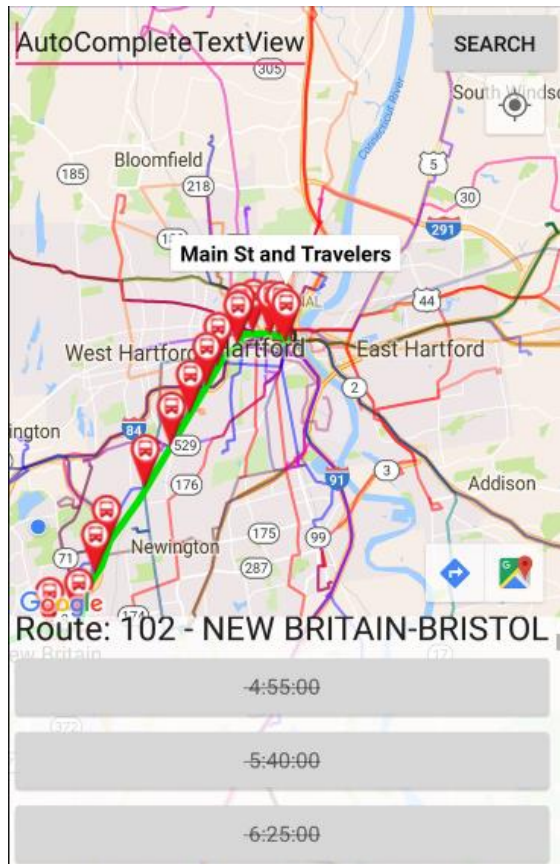
Upon launching our application, you will encounter the loading screen and a view around Hartford. To zoom around your location press the center button located underneath the search button.



Your zoom will be centered around your location, where you can view the CTfastrack routes around your location. Upon choosing the bus stop, the following screen will show up:



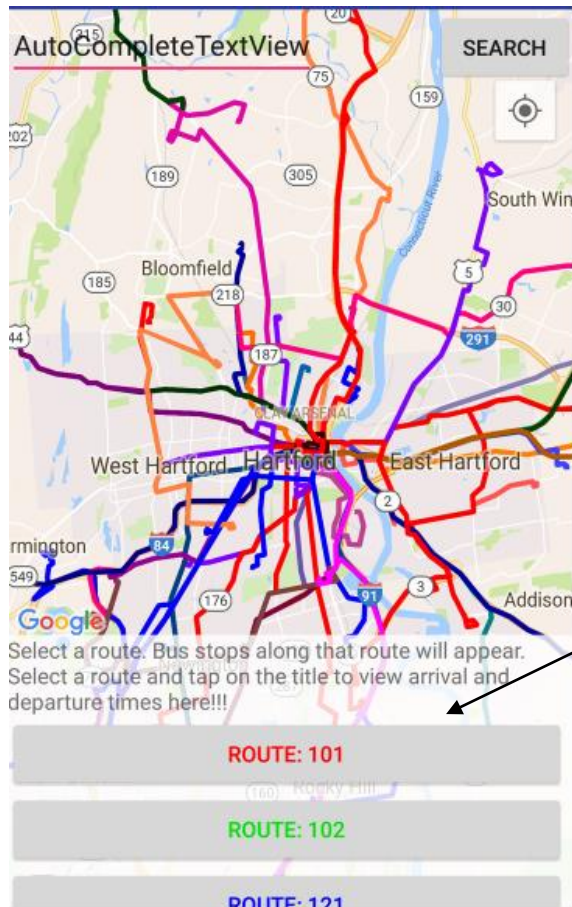
From there you can choose a bus stop either by tapping the bus stop on the map or searching for it in the scrollable list below the map. The route number and number of busses active appear above the list, so you may want to remember it if you wish to use an alternative method of finding the bus stops.



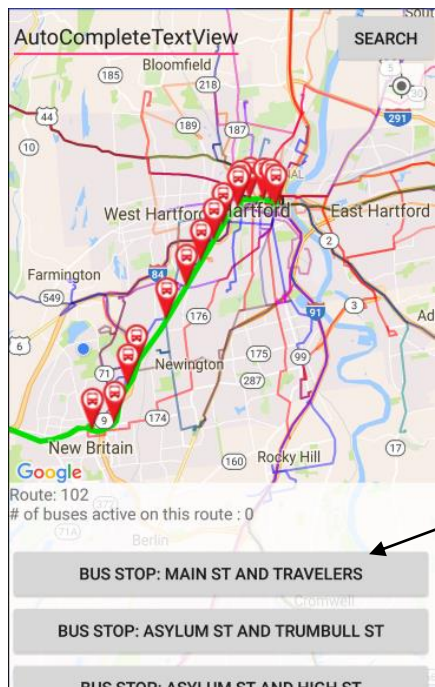
Upon selecting the bus stop, you can see the real-time information about the busses that pass through this stop is displayed. If the scheduled time has passed the time will be crossed out, but you may still view it to know the schedule of this bus stop for the current day.

Alternative/Additional Uses and Functions

You may have noticed route numbers when opening our application here:



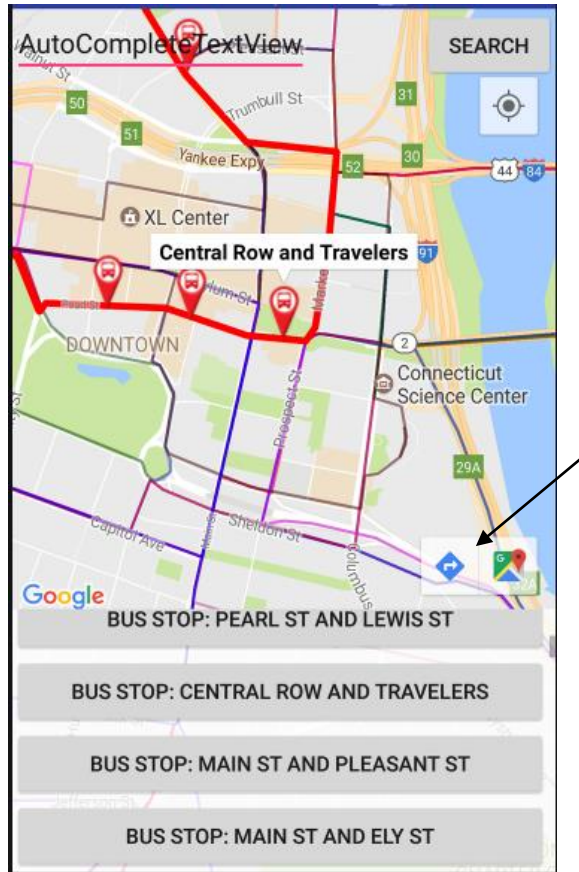
If you know the route number that a particular bus stop is on and you want to check every bus schedule that passes through it, this is the function for you! Upon tapping a route number, the similar screen of a highlighted route with a selection of bus stop names. The app will not automatically zoom on the route, but you may scroll the map until you find it or the bus stop names here:



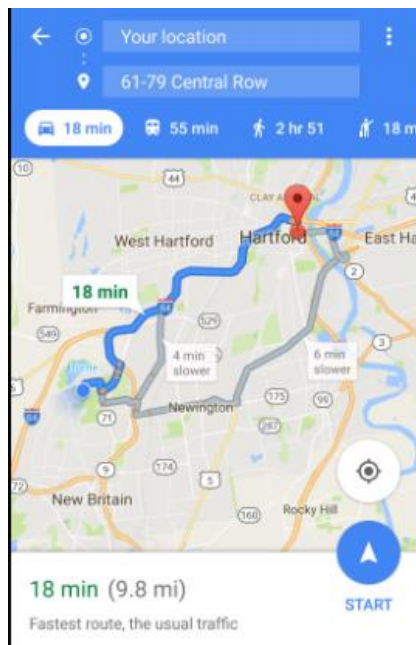
After the selection, the screen on page 12 will appear with the information about the selected bus stop.

Using Google Maps to View the Bus Stop

We've talked about viewing the bus stop and the information around it in Google Maps, and now we will explain this function. Upon selecting a bus stop by following the main or alternate way, 2 buttons will appear above the name of the bus stop to the right.



You may either view the directions to the bus stop using the button with the road sign or view the area around the bus stop using the button with a map. The direction button will use your current location and take you to Google Maps, where you might find the directions on how to get there.



The Map button zooms in around the area of the bus stop to find points of interest in Google Maps.

