

# ACCUTRACKING VTPLUG<sup>®</sup>

## GPS TRACKER GUIDE

MODEL: TK373/TK374



[WWW.ACCUTRACKING.COM](http://WWW.ACCUTRACKING.COM)

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# 1 ACTIVATION

Go to [accutracking.com/activate](http://accutracking.com/activate) and follow the steps to register, activate and install the tracker in the vehicle.

The **TK373** yellow LED light (**blue** LED for **TK374**) should start blinking slowly (every 3 seconds) in a few minutes, which means it's connected to the Internet. Drive the vehicle around so the tracker won't go to sleep. The red LED which is the GPS indicator will also start blinking slowly (every 3 seconds). It may take up to 30 minutes to get the first GPS fix from a cold start.

*If there's no LED light: plug the tracker into another vehicle and see if the lights come on. It could be a blown fuse or loose wire to the vehicle OBD socket.*

# 2 USING THE WEBSITE

Your new account comes with a 7 day free trial on Package 3.

*We have 4 packages you can choose from. The major difference is the location update rate and reports: package 1 updates every 2 minutes, package 2 updates every minute, package 3 updates every 30 seconds, package 4 updates every 15 seconds. Package 1 has no reports while package 2 has some reports. Package 3 & package 4 come with all reports. Here's the comparison chart: <http://www.accutracking.com/features.php> and here's the pricing info: <http://www.accutracking.com/pricing.php>*

*You can change packages at any time and the subscription date will automatically adjust according to packages. The 7 day free trial is on Package 3. The website will remind you when it's time for renewal. Or you can renew at any time by clicking the  button at the bottom of the map.*

Login to [accutracking.com](https://accutracking.com) to view the real-time location and history locations.

*Mobile devices:*

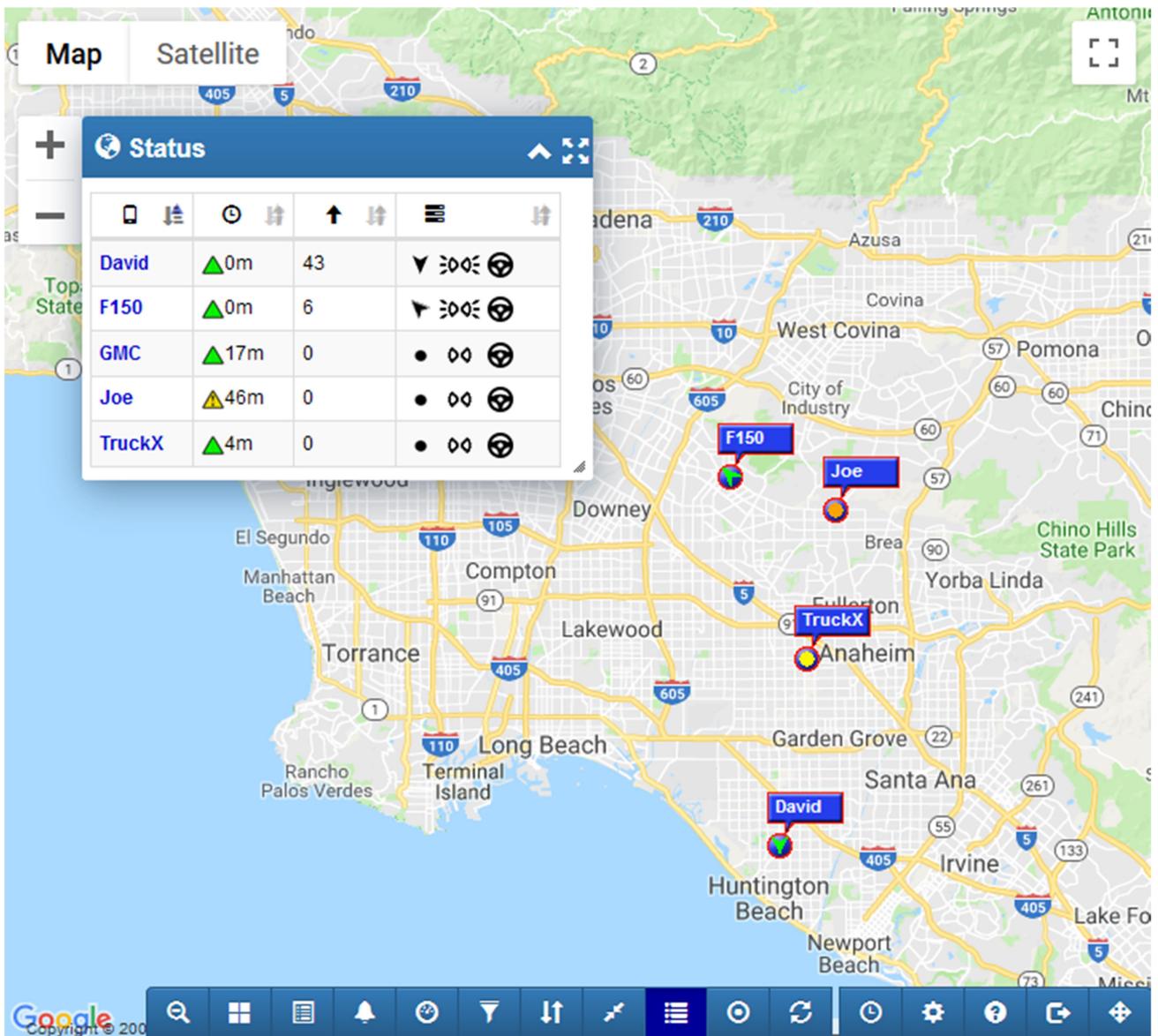
*You may install our mobile app for better tracking experience on mobile devices. See section 3 below for instructions.*

If there's no location online:

- Wait 30 minutes for the new SIM card to get provisioned.
- The tracker goes into sleep mode when there's no motion detected for a few minutes. Green LED light flashes every 10 seconds in sleep mode. Gently tap the tracker to keep it awake.
- Move the vehicle around and wait a few minutes. Make sure the tracker can "see" the sky.
- If you are using an OBD extension cable, move the tracker to the dashboard and drive around again.

## 2.1 LIVE TRACKING

Once the tracker is online, you'll see the last updated location on the map.



The “**Status**” window (you can press  button to toggle it off/on) lists all units with their latest status, including elapsed time since last update, speed, directions, ignition state, and vehicle engine data.

Press the help button  for legend.

- The following icons indicate the time elapsed since the unit's **last update time**
  - ▲ Last updated less than 30 minutes ago
  - ▲ Last updated less than 24 hours ago
  - ▲ Last updated more than 24 hours ago
- The following icons indicate the time elapsed since the unit's **last movement** (with moving direction)
  - ➔ Last moved less than 5 minutes ago      ● Stationary for less than 5 minutes
  - ➔ Last moved less than 30 minutes ago      ● Stationary for less than 30 minutes
  - ➔ Last moved less than 24 hours ago      ● Stationary for less than 24 hours
  - ➔ Last moved more than 24 hours ago      ● Stationary for more than 24 hours
- Status icons
  - 🔌 Ignition/ACC On
  - 🔌 Ignition/ACC Off
  - 📁 Cached data (the tracker cached data when there's no network and uploaded later)
  - 📶 Network location (not available on TK373)
  - 📶 Tower location (not available on TK373)
  - 🛢 Fuel level (if the vehicle reports it). 🛢 for "F" level, 🛢 for about 3 quarters, 🛢 for about half, 🛢 for about a quarter, 🛢 for "E"
  - 🚗 Check engine light (if the vehicle reports DTC "Diagnostic Trouble Codes")
  - 🚗 Vehicle diagnostic data (if the vehicle reports OBD-II data "On Board Diagnostics")

data, such as RPM, coolant temperature, battery voltage etc.

Clicking on the unit's name in **Status** window will have the map zoom to the unit's location and display the unit's detailed information in a popup window:



**Truck 6**  
▲ 1m ◀ 3000 Ⓜ  
Speed: 6 Altitude: 26  
Derived odometer:  
6781 ✎  
2018-08-31 15:32:38  
⌚ ⌚ ⌚  
Av M/E 7 St,  
Brooklyn, NY 11230,  
USA

-  Update current odometer reading
-  View history
-  Create a geofence at this location
-  Open Google maps in a separate window



Clicking the unit's location icon on the map will also bring up the same popup window.

You can use the menu buttons at the bottom of the screen to view history, create geofence, set speed limit, change account settings, and renew service etc..



-  Zoom map to have all units in view.
-  View each unit on a separate map.
-  Show details of each unit's last known data in a table.

-  View alert history.
-  View vehicle diagnostic data history.
-  Set/clear filter to display only certain units on the map.
-  Toggle real-time traffic display.
-  Auto zoom upon each map refresh to have all units in view.
-  Toggle status windows on the map.
-  View all fences in a list.
-  Set the map refresh rate. Note this won't affect the unit report rate.
-  View location history on the map.
-  Open account settings, billing, run reports, downloading data etc.
-  Open online help and support.
-  Logout.
-  Drag and move this menu bar on the screen.

## 2.2 VIEW HISTORY

Click  button to view the GPS history. Or click the  button from the unit's pop up window.

History data are kept on the server for one month before being purged. You can download the raw data for permanent storage.

The menu bar on the history page is slightly different than that of the live tracking page:



Set the time period for history data.



Show raw data of the history in a table.



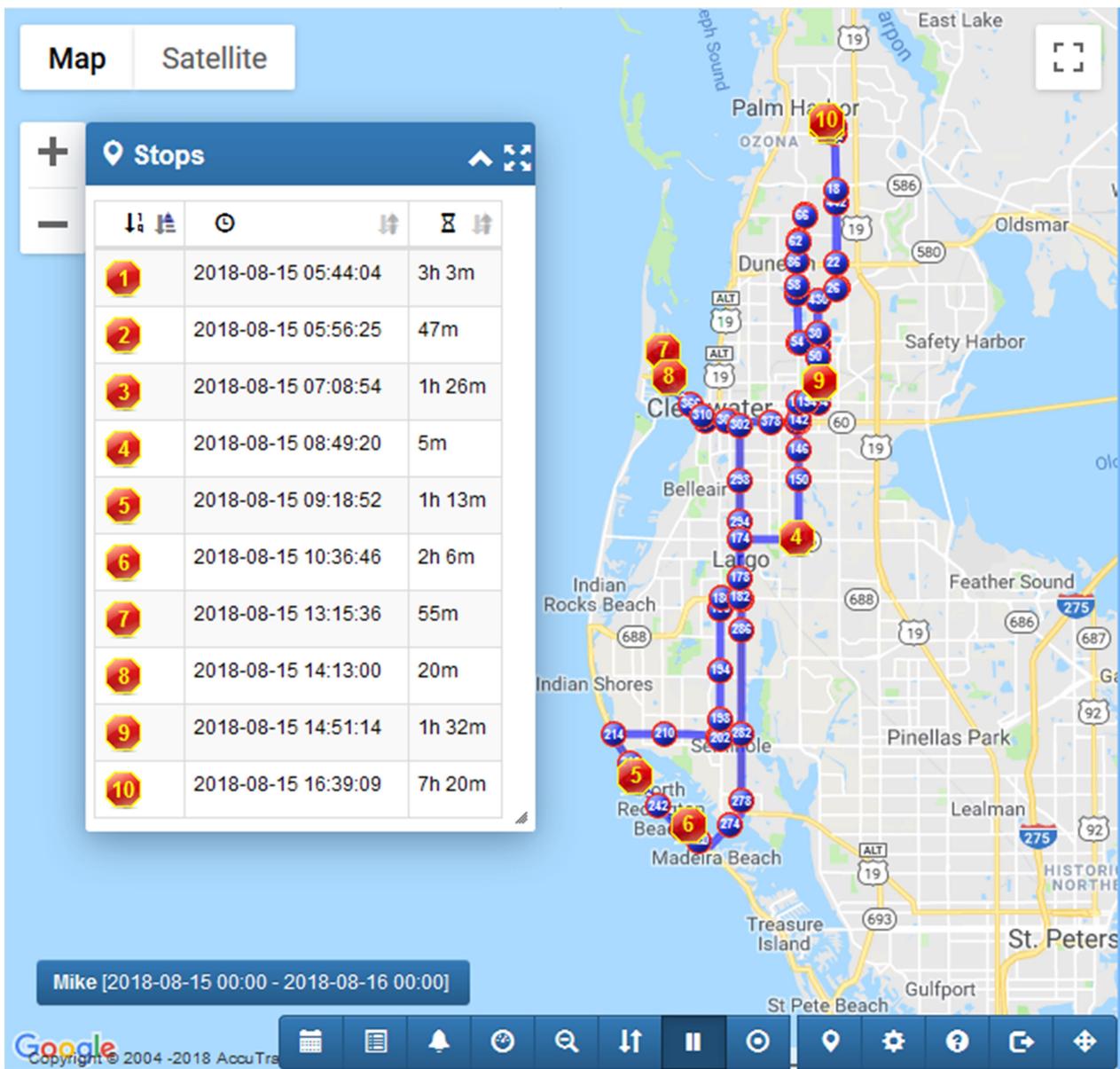
Zoom to view the whole trip for the time period.



Toggle travel stops display.



Switch to live tracking map.



The “Stops” window (press  button to toggle off/on) lists the stops during the selected time period, with the start time and the duration of each stop.

GPS history page, alert history , and vehicle diagnostic data history  allow you to change the history period with a calendar button .

**Time Range**

From: 2018-08-15 00:00 To: 2018-08-16 00:00

Unit: Mike Data: All Range: Custom Range

Show

- Today
- Last 15 Minutes
- Last 30 Minutes
- Last Hour
- Last 3 Hours
- Last 6 Hours
- Last 12 Hours
- Last 24 Hours
- Last 72 Hours
- Custom Day
- Custom Range

**Alerts - [2018-08-30 16:01 - 2018-08-31 16:01]**

From: 2018-08-30 16:01 To: 2018-08-31 16:01

Unit: All Alert: All Range: Custom Range

Show

- Today
- Last 15 Minutes
- Last 30 Minutes
- Last Hour
- Last 3 Hours
- Last 6 Hours
- Last 12 Hours
- Last 24 Hours
- Last 72 Hours
- Custom Day
- Custom Range

## 2.3 CREATE GEOFENCE

A geofence can be created by clicking  from the unit's popup window, or by clicking the  button.

A geofence is a virtual fence (a circle around certain location) that you can set online. When the unit enters/leaves the fence, you receive an alert via email or text message. You can also set alerts for "inside fence for X minutes" in your **Account Settings**.

### **Time Based Geofence**

Geofence can be setup as being active during certain time only. For example, a "School" fence is active between 7am and 4pm.

## Add a Fence

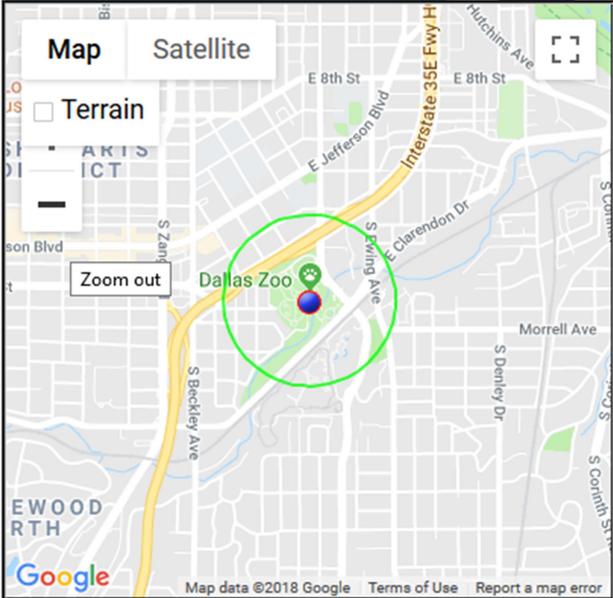


dallas zoo, TX Find

Map Satellite

Terrain

Zoom out



Map data ©2018 Google Terms of Use Report a map error

**Fence name**

**Center latitude**

**Center longitude**

**Radius (feet. >200 recommended)**

**Alert when unit crosses**

**Fence-specific alert emails/SMS (optional)**

**Fence-specific day & time range (optional)**

**Day**

**Time**

**Cap: delete this fence after being triggered # of times**

Add fence

**Assign to**

Van X51

## 2.4 MANAGE UNITS

You can manage your units by clicking the  button, then **“Manage Units”** from the menu bar:

[+ Add a Unit](#)
[Export](#)

Total number of units: 2

#	Nickname	Tracker ID	Speed limit	Fence	Battery alert	Type	Visible	IMEI	Phone number	Memo
1	Van		0	9	-	🌐★	✓		★	-
2	X5		0	0	-	🌐	✓		-	-

- [Edit](#)
- [Share Location](#)
- [Delete](#)

Total: 2

**Note:** When adding or deleting units, the [account subscription date](#) is recalculated based on the total number of units.

From here you can add/delete/edit units, hide a unit on the map, set speed limit, create/assign geofence, or add a memo to the unit.

### 2.4.1 SET SPEED LIMIT

A speed limit can be set for each unit and when it goes over the limit, you'll get an alert by email/text, if they are enabled in **Account Settings**.

Click the **Speed limit** column on the **Manage Units** page to set a speed limit.

Tracker ID	<input type="text" value="XXXXXXXXXX"/>
Unit type	GPS Tracker
Unit's IMEI *	<input type="text" value="XXXXXXXXXX"/>
Unit's phone number	<input type="text" value="Enter phone number"/>
Nickname *	<input type="text" value="Van"/>
Speed Limit	<input type="text" value="0"/> 0~200mph. 0 = disable speed alert
Low Battery Alert	<input type="text" value="No"/>
Memo	<input type="text" value="Enter memo text"/>
Visibility on map	<input type="checkbox"/> Hide

## 2.4.2 TRACK ODOMETER AND OIL CHANGE

TK373 can help you track the vehicle mileage and oil change, when you enter the current odometer reading and last oil change date and mileage on the edit unit page:

Odometer reading 	<input type="text" value="25884"/>
Mileage between oil changes	<input type="text" value="10000"/>
Last oil change date	<input type="text" value="2017-10-1"/> 
Last oil change mileage	<input type="text" value="18100"/>

 Save

*Please be advised that trackers cannot read the vehicle odometer directly because odometer value is not included in the standard OBD II protocol. Instead the tracker*

*calculates mileage travelled based on GPS location and speed, and then derives the total mileage from the odometer reading entered here*

*Over time the derived odometer mileage will diverge from what the vehicle odometer actually reads, so you'll need to periodically sync up the odometer reading by entering the vehicle odometer actual reading here.*

You can view the odometer and oil change status from the **Vehicle Status Report** (see next section for details).

## 2.5 REPORTS

Reports can be access by clicking the  button.



The time period of all reports can be edited in the same way:

Select day  

Unit  Report  Range

**Summary report:**

Summary: [ Thu 2018-08-30 00:00 ~ Fri 2018-08-31 00:00 ]

Unit	Transit Time	Stopped Time	Total Miles	Num of Stops	Avg Transit Time	Avg Stop Time	Max Speed
Van	34m	13h 20m	15	3	11m	4h 27m	66
X51	13m	12h 55m	4	2	7m	6h 28m	41

**Travel report:**

Unit: Van [ Thu 2018-08-30 00:00 ~ Fri 2018-08-31 00:00 ]

Begin	End	Duration	Longitude, Latitude	Max Spd	Miles
Thu 08-30 08:29	Thu 08-30 08:48	20m	In-transit	38	8
Thu 08-30 08:48	Thu 08-30 08:54	6m	<del>40.844283, -77.026888</del>		
Thu 08-30 08:54	Thu 08-30 08:56	2m	In-transit	39	1
Thu 08-30 08:56	Thu 08-30 17:59	9h 3m	<del>40.844283, -77.026888</del>		
Thu 08-30 17:59	Thu 08-30 18:12	13m	In-transit	66	6
Thu 08-30 18:12	Thu 08-30 22:22	4h 11m	<del>40.844283, -77.026888</del>		

### Travel report with addresses:

Unit: **Van** [ Thu 2018-08-30 00:00 ~ Fri 2018-08-31 00:00 ]

Begin	End	Duration	Address	Max Spd	Miles
Thu 08-30 08:29	Thu 08-30 08:48	20m	In-transit	38	8
Thu 08-30 08:48	Thu 08-30 08:54	6m	1000 Riverside Pk., Columbus, OH 43212		
Thu 08-30 08:54	Thu 08-30 08:56	2m	In-transit	39	1
Thu 08-30 08:56	Thu 08-30 17:59	9h 3m	1000 Riverside Pk., Columbus, OH 43212		
Thu 08-30 17:59	Thu 08-30 18:12	13m	In-transit	66	6
Thu 08-30 18:12	Thu 08-30 22:22	4h 11m	1000 Riverside Pk., Columbus, OH 43212		

### Geofence report:

Unit: **Van** [ Thu 2018-08-30 00:00 ~ Fri 2018-08-31 00:00 ]

Begin	End	Duration	Inside Fence	Max Spd	Mile
Thu 08-30 08:29	Thu 08-30 08:29	0m	Home	20	0
Thu 08-30 08:29	Thu 08-30 08:55	27m	-	39	9
Thu 08-30 08:55	Thu 08-30 17:59	9h 4m	Work	39	0
Thu 08-30 17:59	Thu 08-30 18:11	12m	-	66	6
Thu 08-30 18:11	Thu 08-30 22:22	4h 11m	Home	14	0

### US state mileage report:

Report Overview	
Total States Visited	3
Total Measured Mileage	2,734.5
Report Time Period	Thu 2018-08-30 18:08 ~ Fri 2018-08-31 18:08
Vehicles Shown	22

Mileage by Unit [ Thu 2018-08-30 18:08 ~ Fri 2018-08-31 18:08 ]			
<b>Van</b>			
State	Mileage	First in State	Last in State
FL	105.5	Thu 08-30 18:10	Fri 08-31 17:24
<b>1 State(s)</b>	<b>105.5</b>	<b>Thu 08-30 18:10</b>	<b>Fri 08-31 17:24</b>
<b>X51</b>			
State	Mileage	First in State	Last in State
FL	80.1	Thu 08-30 21:41	Fri 08-31 12:31
GA	207.2	Thu 08-30 23:21	Fri 08-31 11:50
SC	55.6	Fri 08-31 01:37	Fri 08-31 10:07
<b>3 State(s)</b>	<b>342.9</b>	<b>Thu 08-30 21:41</b>	<b>Fri 08-31 12:31</b>

Mileage by State [ Thu 2018-08-30 18:08 ~ Fri 2018-08-31 18:08 ]			
<b>FL</b>			
Unit	Mileage	First in State	Last in State
Van	105.5	Thu 08-30 18:10	Fri 08-31 17:24
X51	80.1	Thu 08-30 21:41	Fri 08-31 12:31

**Speed report:**

Unit: **Van** [ Thu 2018-08-30 17:13 ~ Fri 2018-08-31 17:13 ] (Speed limit: 70 mph)

Begin	End	Speeding Duration	Longitude, Latitude	Max Spd	Speeding Miles
Fri 08-31 06:14	Fri 08-31 06:15	1m	<a href="#">[Map]</a>	75	0
Fri 08-31 06:16	Fri 08-31 06:18	2m	<a href="#">[Map]</a>	78	3
Fri 08-31 06:21	Fri 08-31 06:22	1m	<a href="#">[Map]</a>	77	2
Fri 08-31 06:23	Fri 08-31 06:24	1m	<a href="#">[Map]</a>	76	1
Fri 08-31 16:29	Fri 08-31 16:30	1m	<a href="#">[Map]</a>	74	1
Fri 08-31 16:34	Fri 08-31 16:35	1m	<a href="#">[Map]</a>	74	1

## Vehicle status report:

Vehicle Status: [ Fri 2018-08-31 18:01 ]

Unit	Derived odometer	Last oil change date	Mileage at last oil change	Mileage since last oil change	Mileage till next oil change	Next oil change predicted date	DTC	Battery	Fuel level
Van	25856	2017-10-27	18100	7756	2244	2018-11-28		11.68	n/a
X51	12629	2018-04-06	7950	4679	2821	2018-11-27		12.91	n/a

## Engine idle report:

Unit: Van [ Thu 2018-08-30 00:00 ~ Fri 2018-08-31 00:00 ]

Begin	End	Idle Duration	Longitude, Latitude
Thu 08-30 08:50	Thu 08-30 08:53	3m	

## 2.6 DOWNLOAD DATA

History data are kept on the server for one month before being purged. You can download the raw data for permanent storage by clicking the  button.

### Data Management

- [Download location history data](#)
- [Download alert history](#)
- [Download OBD data](#)
- [API & web integration](#)

Unit  Format  Range

## 2.7 CREATE SUB-ACCOUNT OR MASTER ACCOUNT

Sub-accounts are view-only accounts that can view the tracking and history map but cannot view or make changes to account settings.

A master account can be linked to multiple accounts so that you can access those accounts without typing in each account's password. It's useful if your organization has separate accounts for each site/department and you need to access them from one place.

**General**

- [Account settings](#)
- [Manage sub-account](#)
- [View sub-account activities](#)
- [Create a master account](#)

## 2.8 ACCOUNT SETTINGS

Account settings can be access by clicking the  button.

## User Profile

**Username**

**First name**

**Last name**

**Company / Organization**

**Contact email**

**Contact phone**

**Country**

**Time zone**

Auto DST

**Change to a new password**

**Re-enter new password**

### Alert Settings

**Alert notification preference**     Email     SMS

**Alert email(s) (separate multiple addresses with comma "," or semicolon ";")**

**SMS emails (separate multiple addresses with comma "," or semicolon ";")**  ?

**Send alerts only within day & time range**    Day  Time  ?

**Send ignition alerts only within day & time range**    Day  Time  ?

**Alert if unit is inactive/offline (no data) for**  minutes

**Alert if unit stays in a fence for**  minutes

**Alert notification filter** ?

Geofence     Over speed     Low battery     Unplug  
 Ignition     Check engine     Inactivity/Offline  
 Fence duration     Harsh behavior     Panic/SOS  
 Engine idle     Oil change     Engine temperature     RPM

Alerts can be sent to emails and/or texts. To have them send to a cell phone number, click the question mark icon at the **"SMS emails"** field for the format to use. Cell phone numbers are entered in a certain format like 9055556543@txt.att.net.

**Display Settings**

<b>Measurement units</b>	<input type="text" value="English (miles, feet, mph)"/>
<b>Map provider</b>	<input type="text" value="Google"/>
<b>Default map style</b>	<input type="text" value="Road Map"/>
<b>History map display option</b>	<input checked="" type="checkbox"/> Connect dots
<b>In reports, ignore stops that are less than</b>	<input type="text" value="5"/> minutes (for example, waiting for traffic lights)
<b>Default time range for history data display</b>	<input type="text" value="Today"/>

**Service Settings**

<b>Subscription expiration</b> <span style="color: blue;">?</span>	Feb 09, 2019 (will be recalculated upon package changes)
<b>Change package</b> <span style="color: blue;">?</span>	<input type="text" value="Package 3"/>

## 3 INSTALL MOBILE APP

Instead of using the website, you can install and use our mobile app on Android and iOS devices.

## 3.1 SYSTEM REQUIREMENTS

The app works on the following devices:

- Android
- iPhone/iPad with iOS 11.3 or newer

## 3.2 STEPS TO INSTALL

- Android:

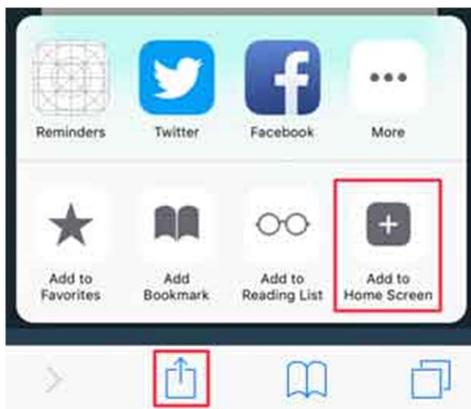
Install from Google Play Store:



<https://play.google.com/store/apps/details?id=com.accutracking.webapp>

- iOS:

Use the Safari browser to go to any webpage on accutracking.com (including this page), tap the browser share icon , then choose "Add to Home Screen" to install:



The AccuTracking icon  will be added to your home screen. Tap it to run the app.

## 4 HELP AND SUPPORT

You can reach us by email, ticket or phone by clicking the  button in your account. Our knowledge base and self-service portal are also available at <http://support.acctracking.com>

Community based forums are available at <http://forums.acctracking.com/>