



AUTONOMISE.AI

A NEW DAWN IN MAKING THE UNKNOWN, KNOWN



# Engineering App User Guide

Updated 30<sup>th</sup> September 2020 – Version 20200929.1.



## Contents

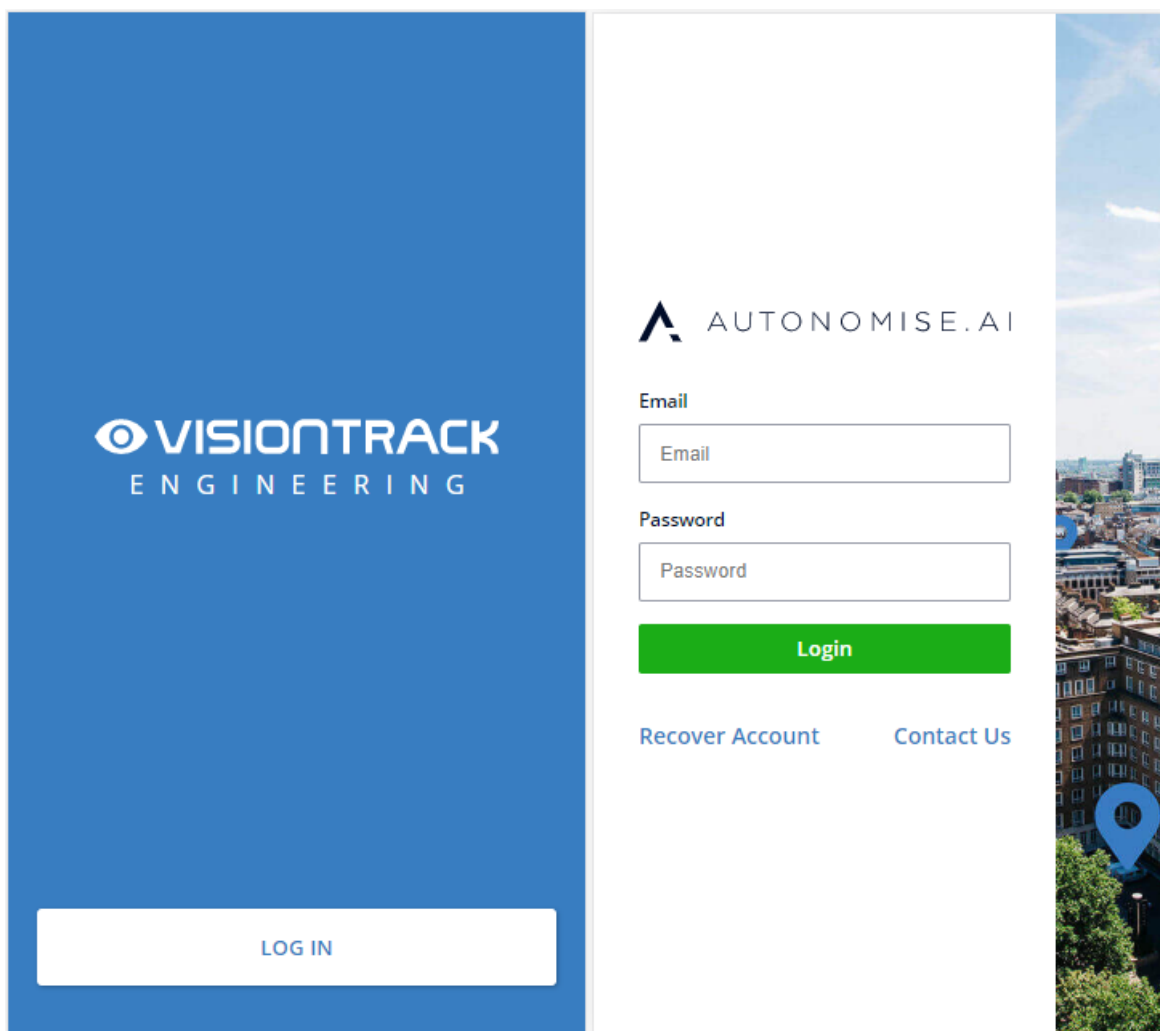
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## VisionTrack Engineering app

The engineering app is available to Autonomise users with the engineering role. Engineers can work across multiple organisations to install devices. The app can be downloaded and installed on mobile devices.

To open the app, open your browser and navigate to <https://engineering.visiontrack.com>. You will be given the option to download this as an app on your phone.

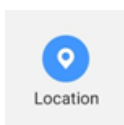
## Login Page



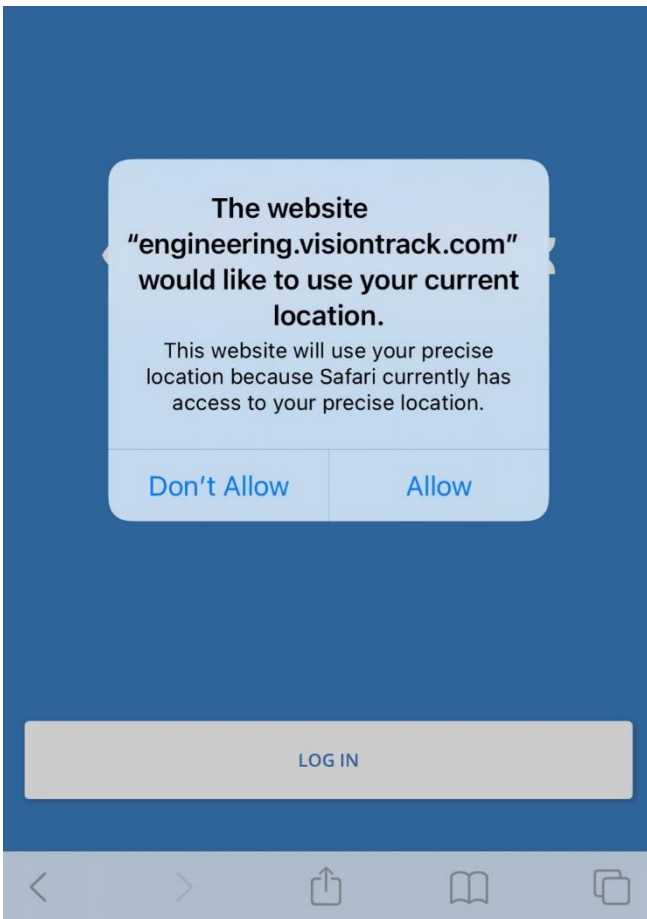
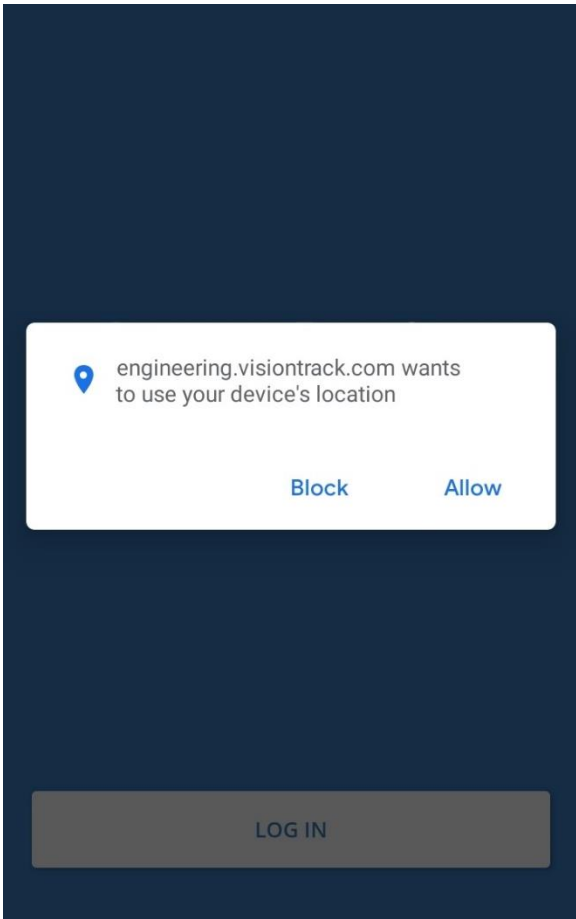
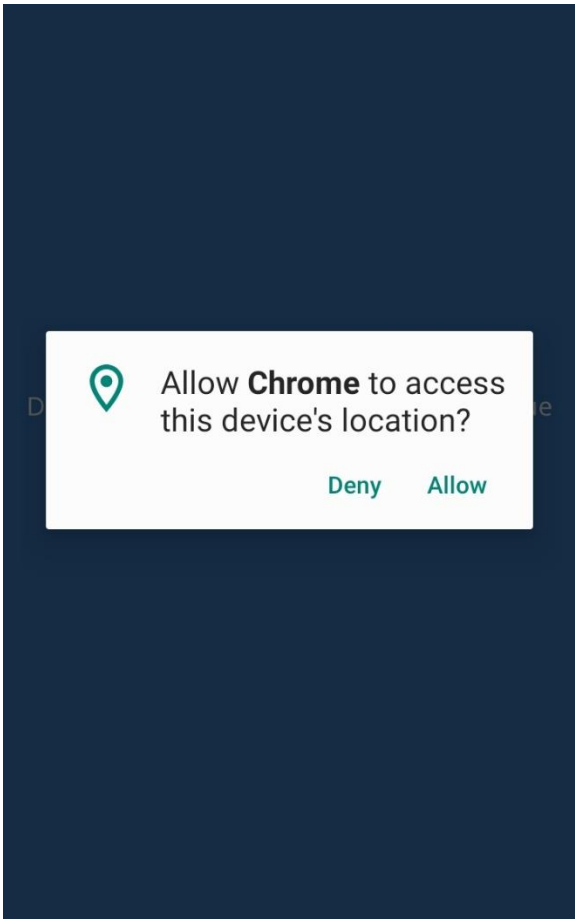
The screenshot shows the login page for the VisionTrack Engineering app. On the left, a blue vertical panel contains the VisionTrack Engineering logo and a white button labeled "LOG IN". On the right, a white panel contains the Autonomise.AI logo, an "Email" input field, a "Password" input field, a green "Login" button, and links for "Recover Account" and "Contact Us". A vertical image of a city street with a location pin icon is on the right side.

You will need to contact technical support at [support.visiontrack.com](mailto:support.visiontrack.com) if you do not have login details.

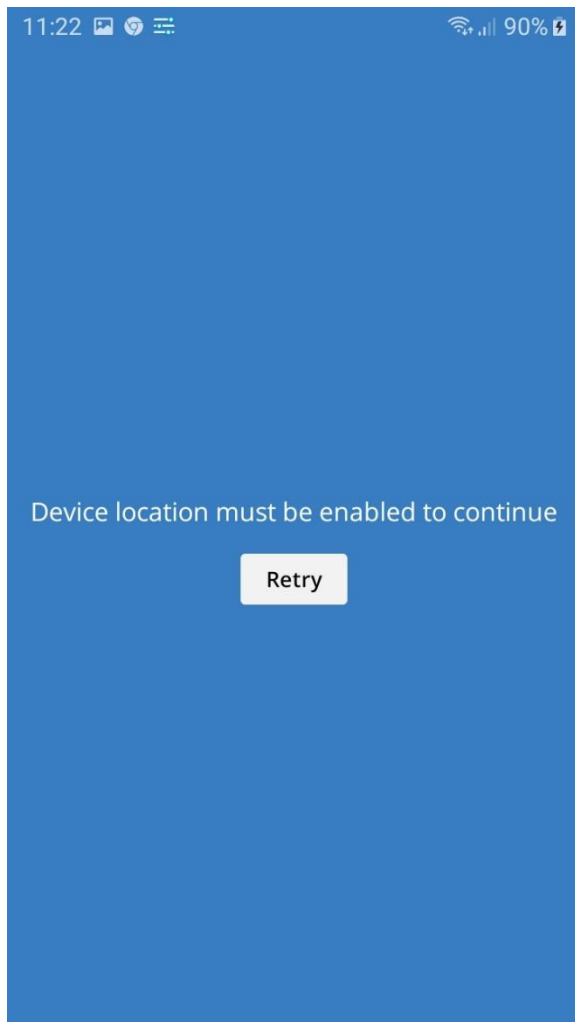
You will be asked to give Chrome access to the device's location. You **MUST** allow access and turn on your device's Location Services.



Location Services must be ON



You must click Allow to any requests to access the device's location.



If you see this message it is because you haven't allowed access to the device's location. You can try the following:

In device Settings ensure that your default browser has access to your device location, e.g.

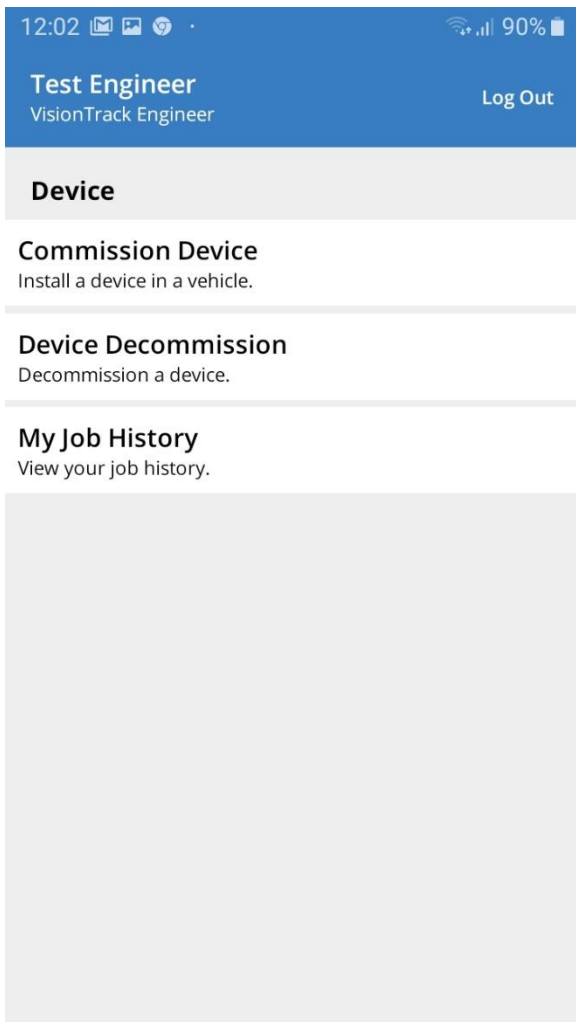
- 🤖 Settings -> Apps -> Chrome -> Permissions
- 🍏 Settings -> Privacy -> Location Services -> Safari

In the Browser ensure that the website isn't blocked, e.g.

- 🤖 In Chrome: Settings -> Site Settings -> Location
- 🍏 In Safari: aA -> Website Settings -> Location

It may also be necessary to turn the device's Location Services off and on again.

Once logged in you can select what you want to do from the list of options.



## Commission Device

Device Phase

**Test Engineer**  
VisionTrack Engineer Log Out

---

**Commission Device** Cancel

Phase 1 of 5 - Device

**Step 1.**  
Find device.

f2ma51800179

A2PD51800111

**Confirm**

Enter the device ID and serial number to search for the device you are about to install. It must have been added to the platform and it must not be assigned to a vehicle.

If the customer is providing their own SIM, you will need to enter the SIM number.

<p><b>Test Engineer</b> VisionTrack Engineer</p> <p>Log Out</p>	<p><b>Test Engineer</b> VisionTrack Engineer</p> <p>Log Out</p>
<p><b>Commission Device</b> <span style="float: right;">Cancel</span></p> <p>Phase 1 of 5 - Device</p>	
<p><b>Step 1.</b> Find device. <span style="float: right;">Edit</span></p> <p><input checked="" type="checkbox"/> <b>f2ma51800179</b> VT2000</p>	<p><b>Step 1.</b> Find device. <span style="float: right;">Edit</span></p> <p><input checked="" type="checkbox"/> <b>f2ma51800179</b> VT2000</p>
<p><b>Step 2.</b> Is this a customer provided SIM?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><input type="button" value="Confirm"/></p>	<p><b>Step 2.</b> Is this a customer provided SIM? <span style="float: right;">Edit</span></p> <p><input checked="" type="checkbox"/> <b>Yes</b> The customer will provide their own SIM</p>
	<p><b>Step 3.</b> Confirm the device's SIM number.</p> <p><input type="text"/></p> <p><input type="button" value="Confirm"/></p>



Confirm the accessories to be installed. The available accessories will depend on device model.

**Test Engineer** VisionTrack Engineer [Log Out](#)

**Step 2.** [Edit](#)  
Is this a customer provided SIM?

**No**  
VisionTrack are providing the SIM

---

**Step 3.** [Edit](#)  
Confirm the device's SIM number.

-  
SIM Number Confirmed

---

**Step 4.**  
Are you installing Panic Buttons

Yes  No

External Panic Button

External Panic Button

External Panic Button - LED

12:04 4G 90%

**Test Engineer** VisionTrack Engineer [Log Out](#)

**Step 2.** [Edit](#)  
Is this a customer provided SIM?

**No**  
VisionTrack are providing the SIM

---










**Step 3.** [Edit](#)  
Confirm the device's SIM number.

**1234**  
SIM Number Confirmed

---

**Step 4.**  
Are you installing Panic Buttons

Yes  No

12:04 4G 90% Test Engineer VisionTrack Engineer Log Out	12:04 4G 90% Test Engineer VisionTrack Engineer Log Out
<p><b>Step 3.</b> Confirm the device's SIM number. <a href="#">Edit</a></p> <p> <b>1234</b> SIM Number Confirmed</p>	<p><b>Step 3.</b> Confirm the device's SIM number. <a href="#">Edit</a></p> <p> <b>1234</b> SIM Number Confirmed</p>
<p><b>Step 4.</b> Are you installing Panic Buttons <a href="#">Edit</a></p> <p> <b>No accessory selected.</b></p>	<p><b>Step 4.</b> Are you installing Panic Buttons <a href="#">Edit</a></p> <p> <b>No accessory selected.</b></p>
<p><b>Step 5.</b> Are you installing Power Delay Kits <a href="#">Edit</a></p> <p> <b>Accessory Selected</b> VT2000 Power Delay Kit</p>	<p><b>Step 5.</b> Are you installing Power Delay Kits <a href="#">Edit</a></p> <p> <b>Accessory Selected</b> VT2000 Power Delay Kit</p>
<p><b>Step 6.</b> Are you installing a second camera?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p></p>	<p><b>Step 6.</b> Are you installing a second camera? <a href="#">Edit</a></p> <p> <b>Yes</b> A second camera is being installed</p> <p></p>

You will also be asked to confirm how many cameras are being installed.

Click save and continue.

## Test Phase

In order to continue commissioning, at this point the device needs to be powered on.



### Step 1.

Confirm the device's health.

Please turn the device ON and wait for a server connection.

Run Health Check

Confirm

Once the device is on, click Run Health Check. The health check is device model specific, so (for example) an SD card check will only be done for a model that requires an SD card.

If you have only just turned the device on, you may have to Run Again to see the checks go green.

12:04 4G 90%

**Test Engineer** VisionTrack Engineer Log Out

**Commission Device** Cancel

Phase 2 of 5 - Test

**Step 1.**  
Confirm the device's health.

- Firmware
- SD
- GPS
- Location Received
- Drive Data

Last Location  
2015-08-10 14:04:00, United Kingdom

Last Reported  
Yesterday at 9:49 PM

[Run Again](#)

12:05 4G 90%

**Test Engineer** VisionTrack Engineer Log Out

**Commission Device** Cancel

Phase 2 of 5 - Test

**Step 1.**  
Confirm the device's health.

- Firmware
- SD
- GPS
- Location Received
- Drive Data

**A Drive Data error can occur when:**

- The platform has not received drive data from this device yet - this can take up to 6 minutes.

Last Location

If there are errors, you can expand for more details about what caused them. The last reported time and location should match your current time and location. You can proceed with an amber warning – for example, a complete drive data packet is not required.

Click Save and Continue to complete this phase.

**Commission Device** Cancel

Phase 2 of 5 - Test

**Step 1.**  
Confirm the device's health. [Edit](#)

**Device is healthy.**  
Device is reporting as expected.

[Save and Continue](#)

## Calibrate Phase

To confirm the camera positions, click request snapshots.



### Step 1.

Confirm the device's camera positions.

Request Snapshots

Confirm

This will send a command to the device, so you will need to wait for a response.

14:00 4G 53%

**Test Engineer**  
VisionTrack Engineer

Log Out

**Commission Device** Cancel

Phase 3 of 5 - Calibrate

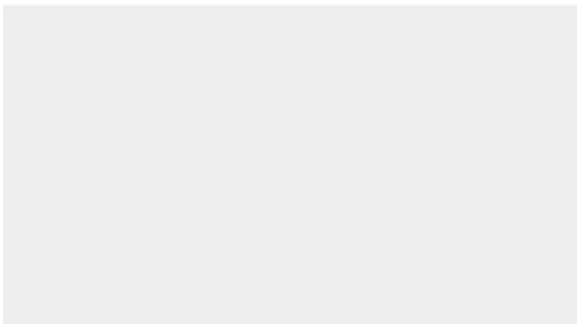
**Step 1.**  
Confirm the device's camera positions.

Request for images sent, please wait.

Sent

Timeout in 105 seconds.

Confirm



14:00 4G 53%

**Test Engineer**  
VisionTrack Engineer

Log Out

**Commission Device** Cancel

Phase 3 of 5 - Calibrate

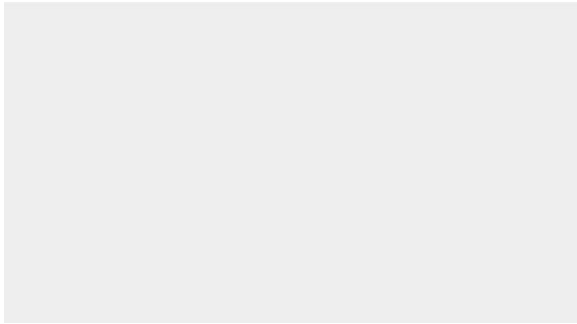
**Step 1.**  
Confirm the device's camera positions.

Request for images sent, please wait.

Received

Timeout in 100 seconds.

Confirm

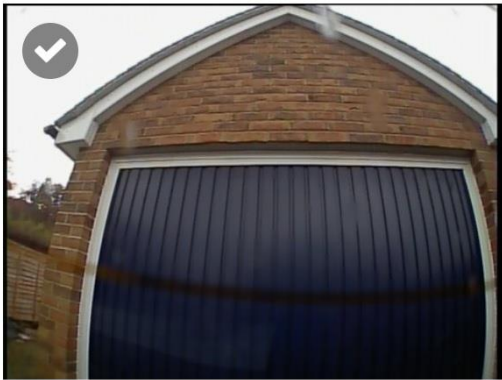


12:07 4G 90%

**Test Engineer**  
VisionTrack Engineer

Log Out

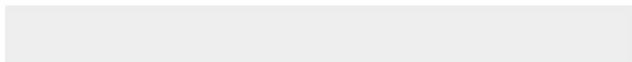
**Step 1.**  
Confirm the device's camera positions.



**No channels missing.**  
All required channels found.

[Request New Snapshots](#)

Confirm



12:09 4G 89%

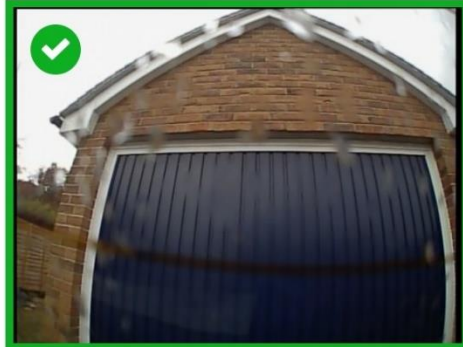
**Test Engineer**  
VisionTrack Engineer

Log Out

**Commission Device** Cancel

Phase 3 of 5 - Calibrate

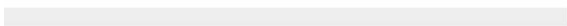
**Step 1.**  
Confirm the device's camera positions.



**No channels missing.**  
All required channels found.

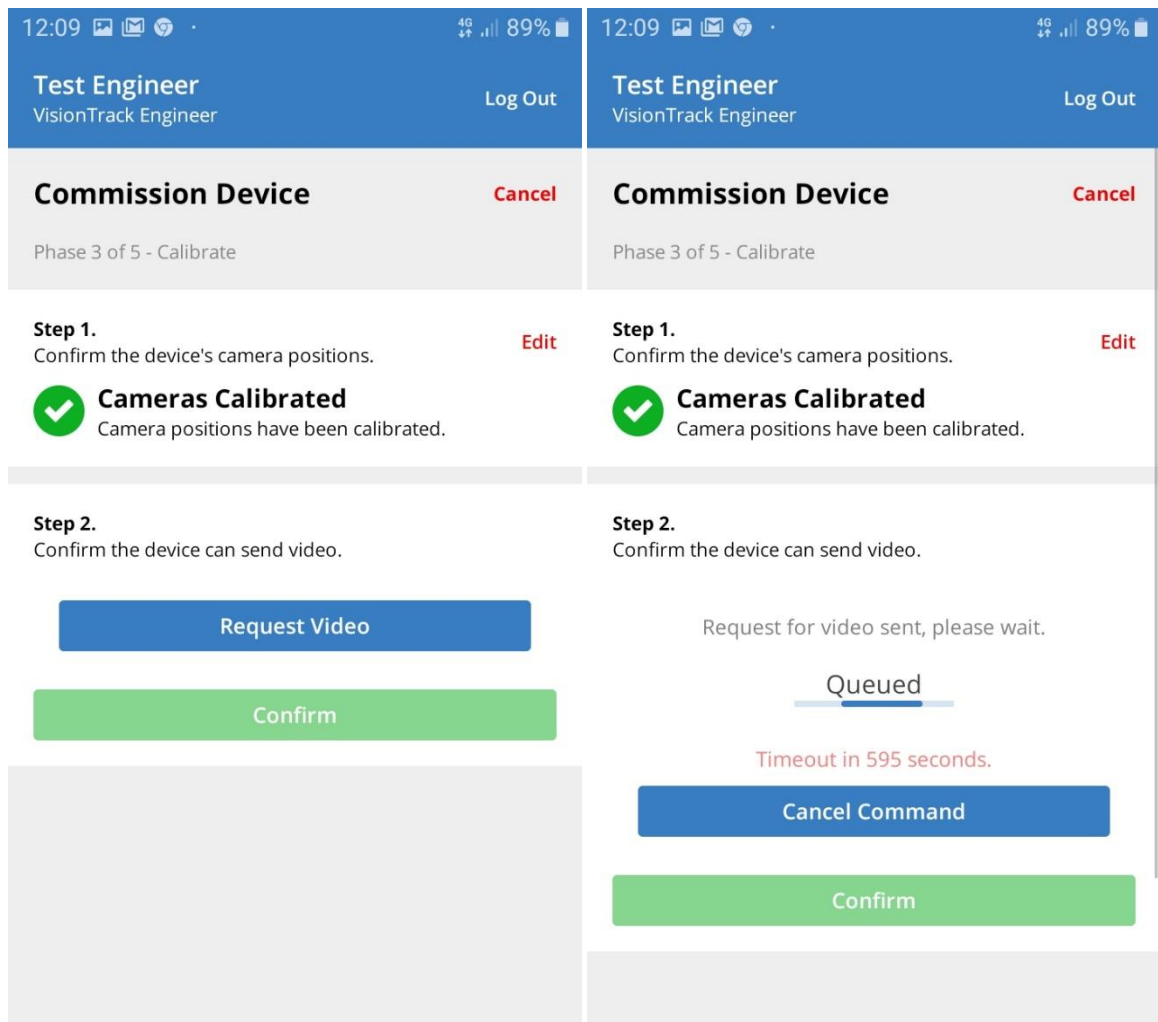
[Request New Snapshots](#)

Confirm



If you need to move the camera, you can then request new snapshots, or you can confirm all the cameras are positioned and working fine.

The device's ability to send video must also be checked. You aren't required to stream the videos and watch them; instead the platform will confirm when a video has been received.





**Commission Device** Cancel  
Phase 3 of 5 - Calibrate

**Step 1.** Confirm the device's camera positions. Edit

 **Cameras Calibrated**  
Camera positions have been calibrated.

**Step 2.** Confirm the device can send video.

Request for video sent, please wait.

Received

Timeout in 575 seconds.

Confirm

**Commission Device** Cancel  
Phase 3 of 5 - Calibrate

**Step 1.** Confirm the device's camera positions. Edit

 **Cameras Calibrated**  
Camera positions have been calibrated.

**Step 2.** Confirm the device can send video.

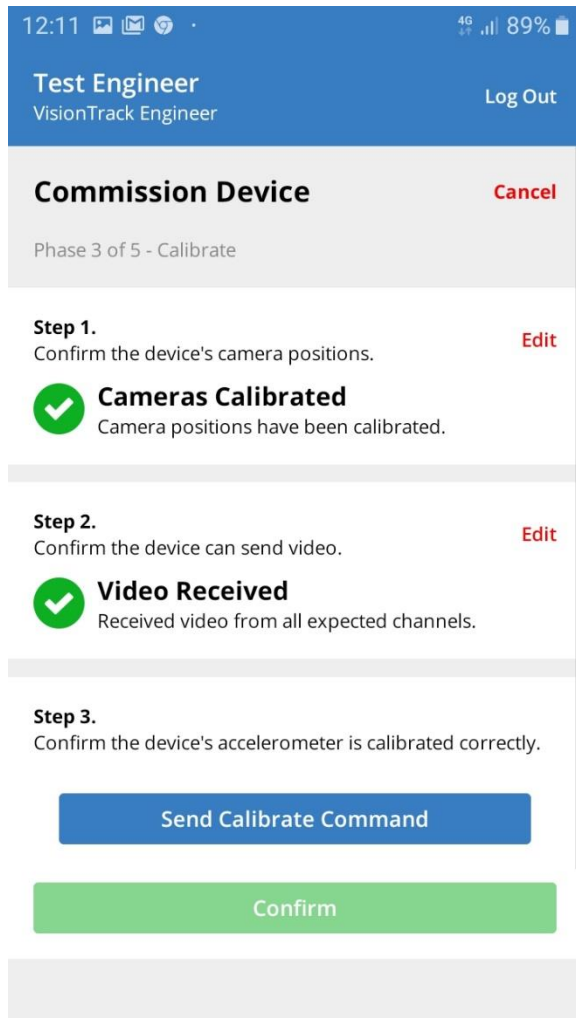
**No channels missing.**  
All required channels found.

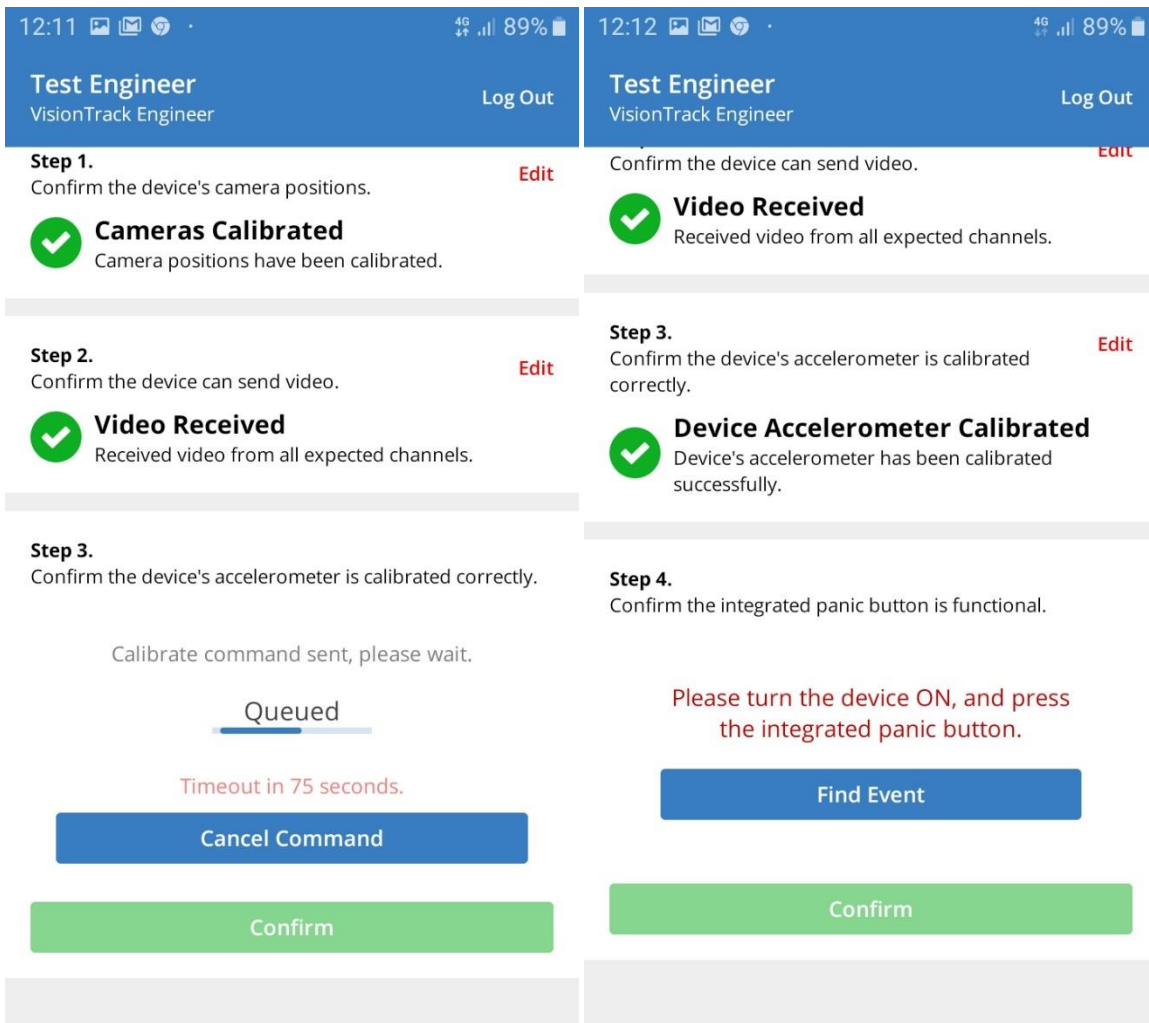
Request New Video

Confirm

The device should also be calibrated. The vehicle must be parked on a flat, level surface.

For some devices this will need to be done manually and you will be asked to confirm that you have done it. However, for VT2000 and VT2.2, the app will send the command and you should note that you cannot skip this test, even if you have already done it manually.





Next you need to test the accessories.

If there is a panic button, you need to press it and then click Find Event.

Received video from all expected channels.

**Step 3.** Confirm the device's accelerometer is calibrated correctly. [Edit](#)

**Device Accelerometer Calibrated**  
Device's accelerometer has been calibrated successfully.

**Step 4.** Confirm the integrated panic button is functional.

Waiting for panic event, please wait.

Searching

Timeout in 115 seconds.

Cancel

Confirm

Confirm the device's camera positions.

**Cameras Calibrated**  
Camera positions have been calibrated.

**Step 2.** Confirm the device can send video. [Edit](#)

**Video Received**  
Received video from all expected channels.

**Step 3.** Confirm the device's accelerometer is calibrated correctly. [Edit](#)

**Device Accelerometer Calibrated**  
Device's accelerometer has been calibrated successfully.

**Step 4.** Confirm the integrated panic button is functional. [Edit](#)

**Event Received**  
Integrated panic button raised a panic event.

Save and Continue

Once the platform confirms an event has been received you can save and continue.

## Vehicle Phase

First you need to confirm the organisation (customer) that the vehicle belongs to.

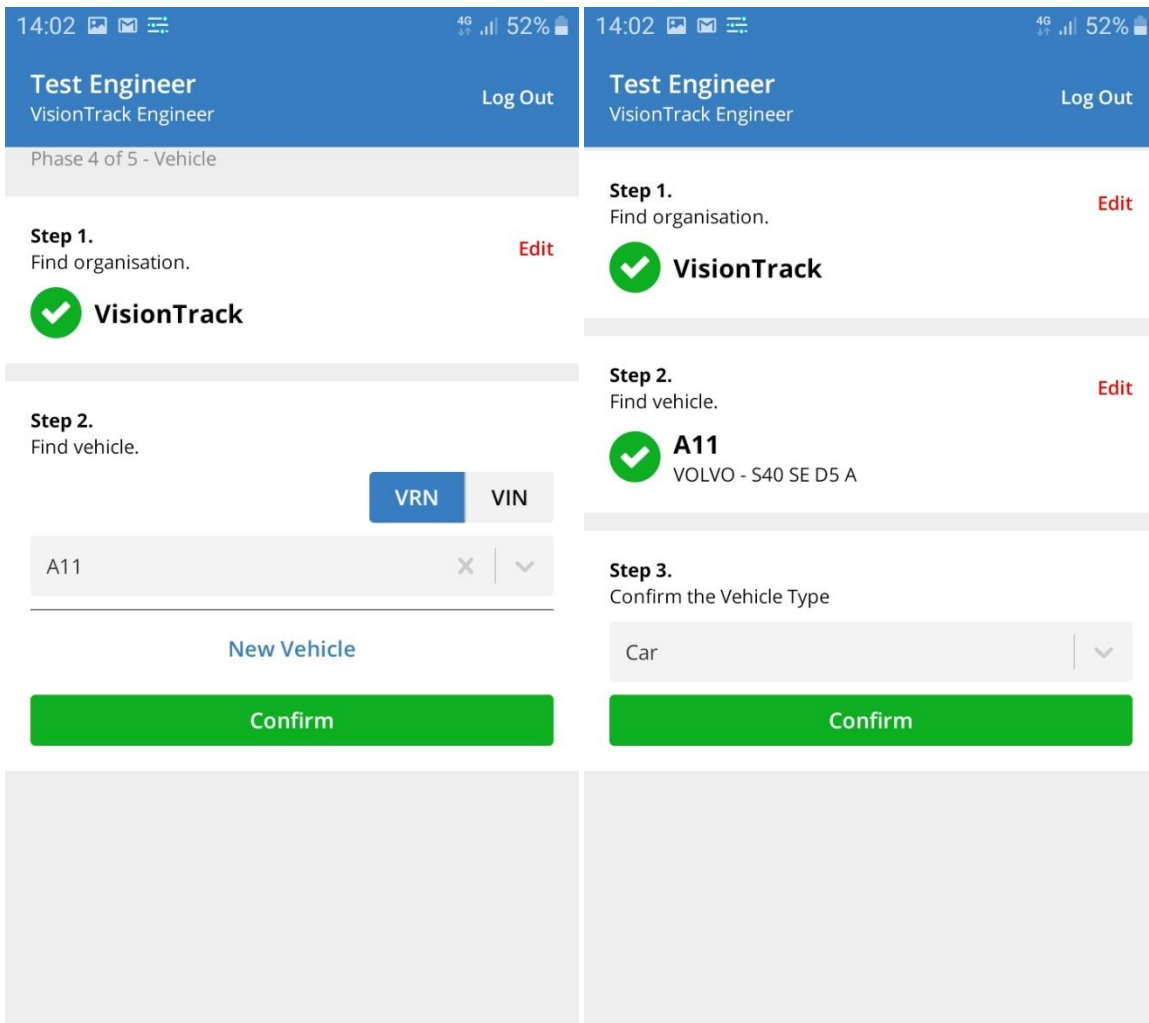
The image displays two screenshots of a mobile application interface for a 'Test Engineer' (VisionTrack Engineer) during the 'Commission Device' phase (Phase 4 of 5 - Vehicle).

**Left Screenshot (Step 1):** The user is prompted to 'Find organisation.' A search bar contains the text 'VisionTrack'. Below the search bar is a green 'Confirm' button. A 'Cancel' button is visible in the top right corner of the screen.

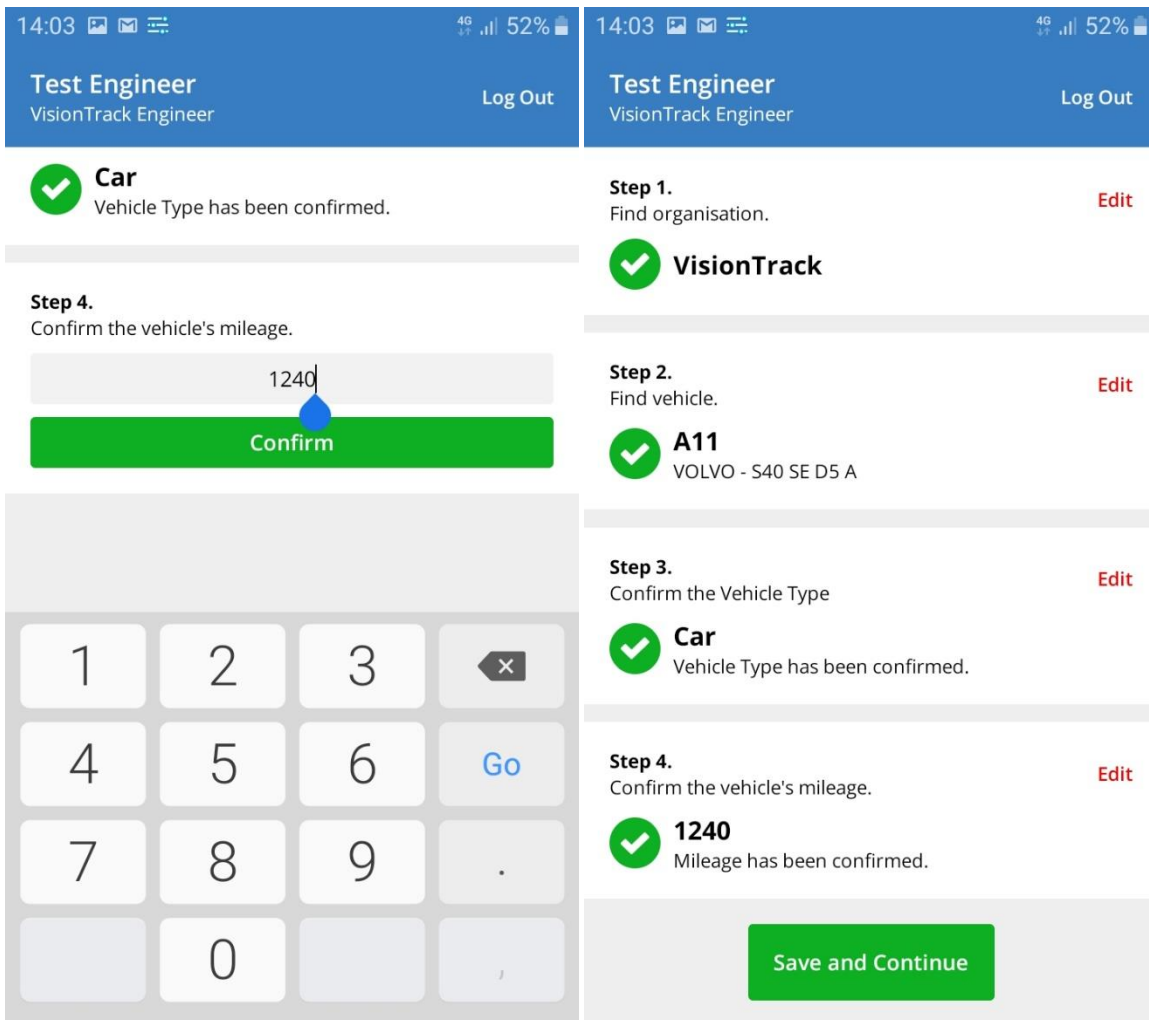
**Right Screenshot (Step 2):** The user is prompted to 'Find vehicle.' There are two tabs: 'VRN' (selected) and 'VIN'. A search bar contains the text 'a11'. Below the search bar is a dropdown menu showing 'A11'. Below the dropdown menu is a green 'Confirm' button. A keyboard is visible at the bottom of the screen.

If the vehicle has already been added to the platform, then it must not already have a device assigned to it. You will then be able to select it from the list of available vehicles.

Alternatively you can add a new vehicle. If the vehicle is registered in the UK, you can find the details using an integrated DVLA lookup, searching by VRN or VIN. If it's not found, then you'll have to enter the make and model manually.



For harsh driving analysis, you will need to select a vehicle type from the list of vehicle types available in Automise.




You will then need to confirm the vehicle mileage to complete the vehicle phase of the commissioning process.

Click Save and Continue.

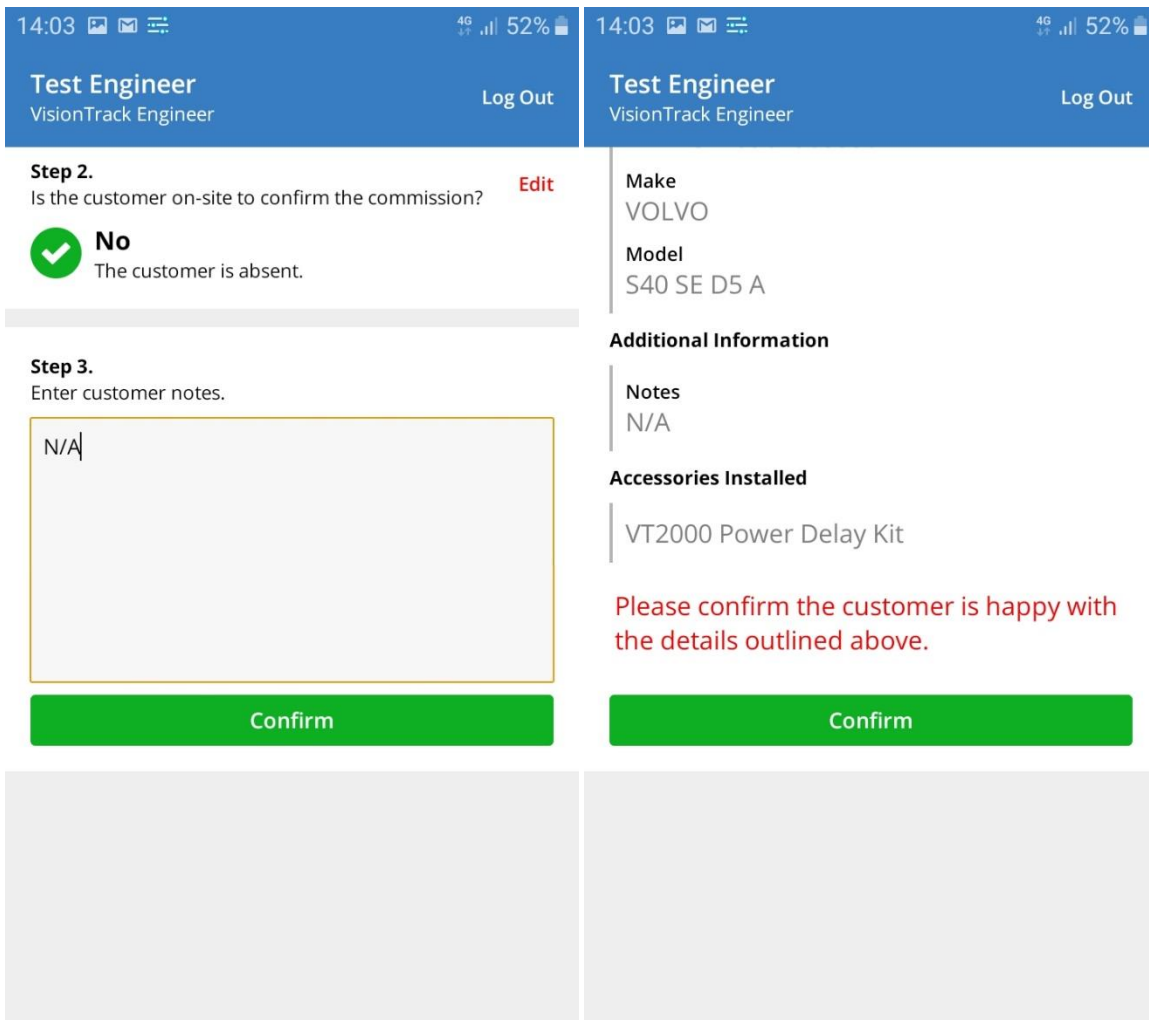
## Overview

At this point you can add any notes that you want to record about the commissioning.

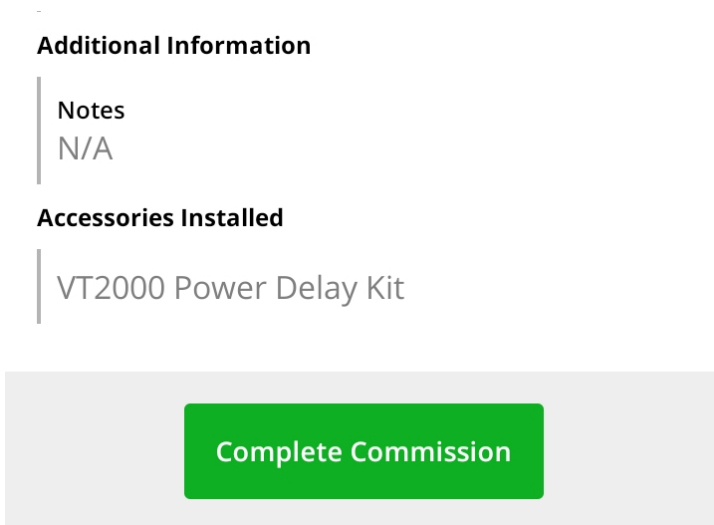
<p>14:03 4G 52%</p> <p><b>Test Engineer</b> VisionTrack Engineer <a href="#">Log Out</a></p> <p><b>Commission Device</b> <a href="#">Cancel</a></p> <p>Phase 5 of 5 - Overview</p> <p><b>Step 1.</b> Enter any installation notes.</p> <div style="border: 1px solid #ccc; padding: 5px; min-height: 100px;">N/A</div> <p><a href="#">Confirm</a></p>	<p>14:03 4G 52%</p> <p><b>Test Engineer</b> VisionTrack Engineer <a href="#">Log Out</a></p> <p><b>Commission Device</b> <a href="#">Cancel</a></p> <p>Phase 5 of 5 - Overview</p> <p><b>Step 1.</b> <a href="#">Edit</a> Enter any installation notes.</p> <p> <b>Installation notes entered.</b></p> <hr/> <p><b>Step 2.</b> Is the customer on-site to confirm the commission?</p> <p><a href="#">Yes</a> <a href="#">No</a></p> <p><a href="#">Confirm</a></p>
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You then need to confirm if the customer is on site and whether they are happy with the installation.





On the final screen, don't forget to Complete the commissioning process.



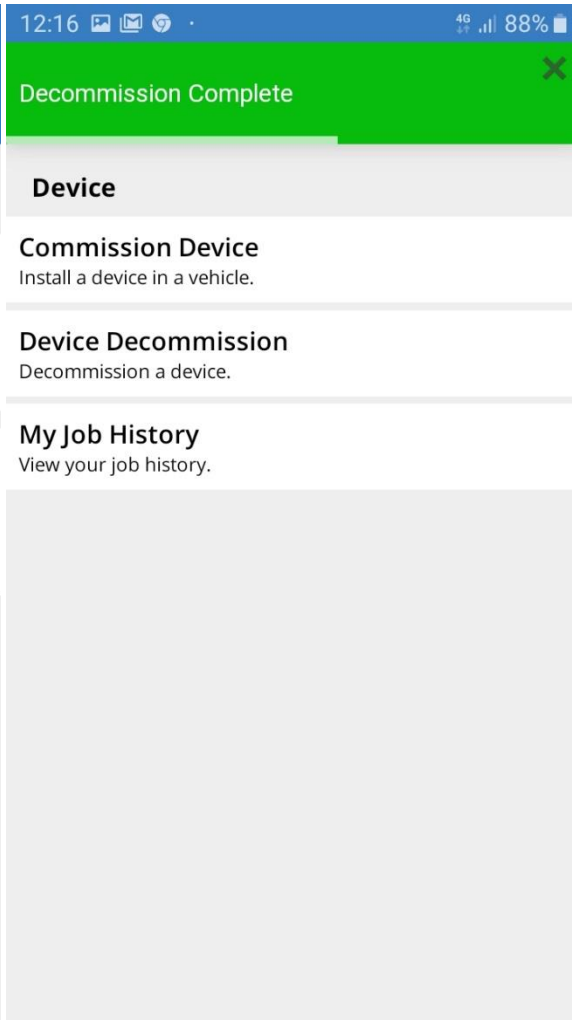
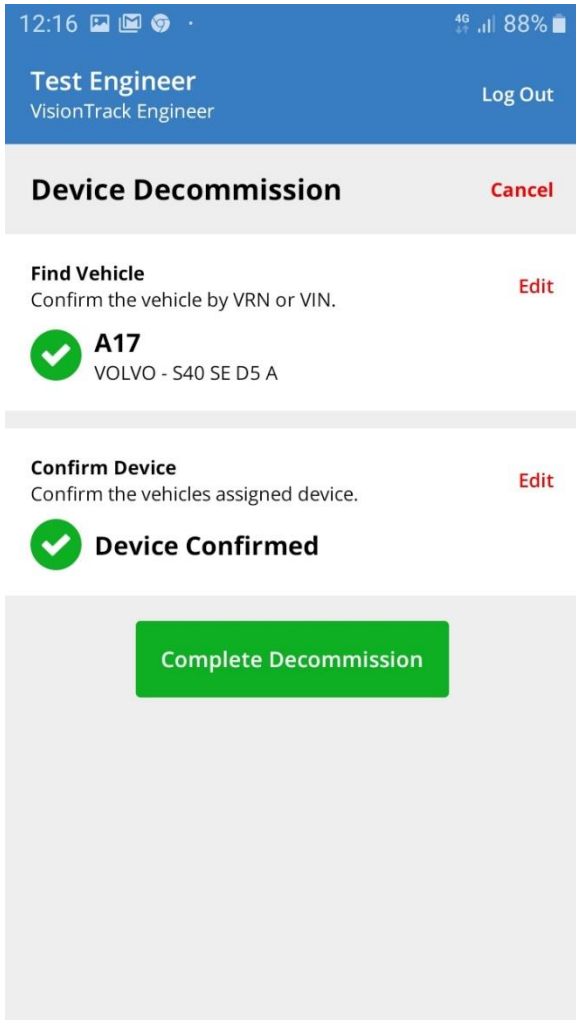
## Device Decommission

To remove a device from a vehicle select Device Decommission. You will need to enter the VRN or VIN and the device ID.

The image displays two sequential screenshots of a mobile application interface for device decommissioning. Both screenshots show the user as 'Test Engineer' (VisionTrack Engineer) with a 'Log Out' option in the top right corner. The status bar at the top indicates the time (12:15 and 12:16), 4G connectivity, and 88% battery.

**Left Screenshot (12:15):** The main heading is 'Device Decommission' with a 'Cancel' button. Below this is the 'Find Vehicle' section, which prompts the user to 'Confirm the vehicle by VRN or VIN.' There are two tabs: 'VRN' (selected) and 'VIN'. A text input field contains 'A17' with a clear 'X' button and a dropdown arrow. A large green 'Confirm' button is positioned below the input field.

**Right Screenshot (12:16):** The 'Find Vehicle' section shows the selected vehicle: 'A17' with a green checkmark icon and the text 'VOLVO - S40 SE D5 A'. An 'Edit' link is visible to the right. Below this is the 'Confirm Device' section, which prompts the user to 'Confirm the vehicles assigned device.' A text input field contains the device ID 'f2ma51800187'. A large green 'Confirm' button is positioned below the input field.



Once confirmed you can decommission the device. Due to caching on the platform, it won't be available to be recommissioned for an hour, so if moving a device between vehicles, it is recommended you remove it from the old vehicle before you start the installation in the new vehicle.

## My Job History

This shows a list of the jobs you have done, most recent first. The job ID is shown in blue.

09:20 100%

**Test Engineer** Log Out  
VisionTrack Engineer

**Job History** Back

---

**1063 - DECOMMISSIONING**  
**DEVICE ID:** F2MA51800187  
**VRN:** A17 ▼  
Last Wednesday at 12:16 PM

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**1062 - COMMISSIONING**  
**DEVICE ID:** F2MA51800187  
**VRN:** A17 ▼  
Last Wednesday at 12:15 PM