QUICK START GUIDE

VIA Fleet Cloud Management Portal

1.08-29072022

Revision History

Version	Date	Remarks
1.08	29/07/2022	Updated Vehicle Model instructions in the VIA Fleet Vehicle Registration section.
1.07	06/05/2022	Added Vehicle Model instructions and updated Add Vehicle instructions in the VIA Fleet Vehicle Registration section. Updated System Settings descriptions.
1.06	04/10/2021	Updated VIA Mobile360 App images
1.05	15/07/2021	Added description for driver score.
1.04	10/06/2021	Added driver alert button behavior and live tracking page display logic.
1.03	03/05/2021	Added language settings options for portal and device alerts.
1.02	04/03/2021	Updated descriptions for VIA Mobile360 M810.
1.01	26/02/2021	Added OTA update process description.
1.00	19/01/2021	Initial release.

Table of Contents

1. VIA Fleet Cloud Management Portal

The VIA Fleet Cloud Management Portal is VIA's Web-based application built on AWS IoT Core and AWS KVS, which allows customers to quickly evaluate a number of VIA Mobile360 Series devices. Each sample device comes with a 30-day trial period of VIA Fleet Cloud Management for customers to evaluate the various features, including real-time tracking, collision alerts with video uploads, trip history and fleet statistics. 50 hours of live streaming with Amazon KVS is also included.

1.1 System Prerequisites

Hardware Prerequisites

1. PC or Notepad with a screen resolution of 1366 x 768px or above
2. Supported VIA Mobile360 Series devices:
   - VIA Mobile360 D700
   - VIA Mobile360 M800
   - VIA Mobile360 M810

Software Prerequisites

1. Windows/Linux/macOS
2. Supported browsers:
   - Firefox 21 and above
   - Chrome 23 and above
   - Edge 12 and above
   - Safari 6.1 and above

1.2 VIA Fleet Login and Overview

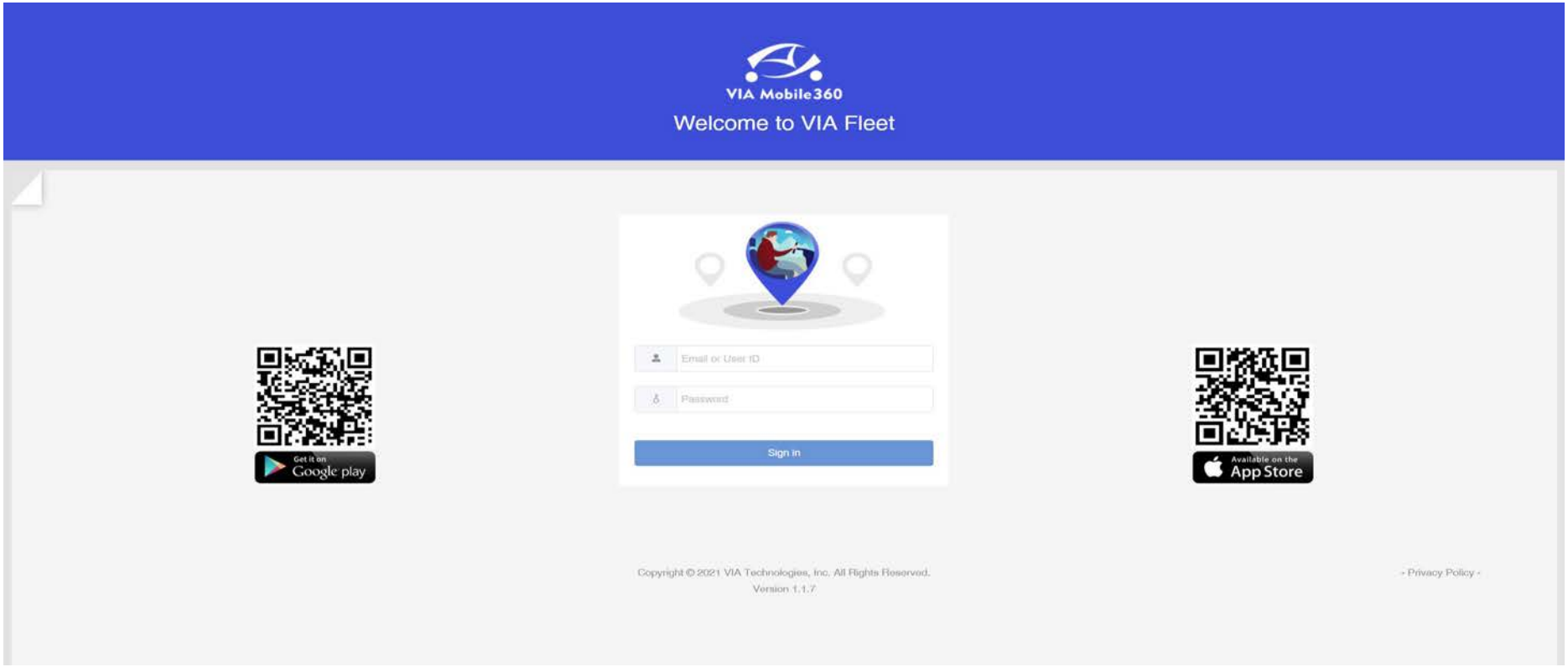
1.2.1 Login

To access the test environment of the VIA Fleet Cloud Management Portal, enter the following URL into a browser: mobile360.viatech.com.

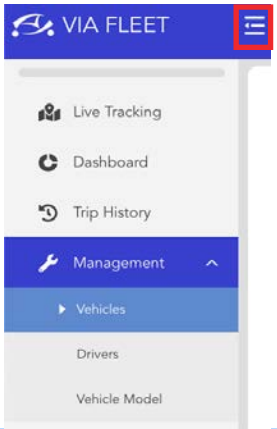
To login, input the provided username and password in the corresponding fields and click "Sign In".

Scan the corresponding QR code on the login screen to download the mobile phone apps for Android and iOS.

Note:
The VIA Mobile360 App can only be used to bind a vehicle, manage driver ID images and provide driver registration for the VIA Mobile360 M810 system.



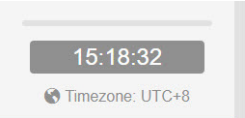
1.2.2 VIA Fleet Overview



The main menu of the VIA Fleet Cloud Management Portal is located on the left-hand side of the web-page and includes links to 4 sections which include:

- Live Tracking - Real-time monitoring of vehicles on and off road.
- Dashboard - Statistical summary for fleets, vehicle, and drivers.
- Trip History - Allows to search by driver history or Alert history.
- Management - Includes sections to manage vehicles, drivers and vehicle models.

- **Time Zone** - The UTC time zone for the VIA Fleet Cloud Management portal is shown at the bottom of the main menu.

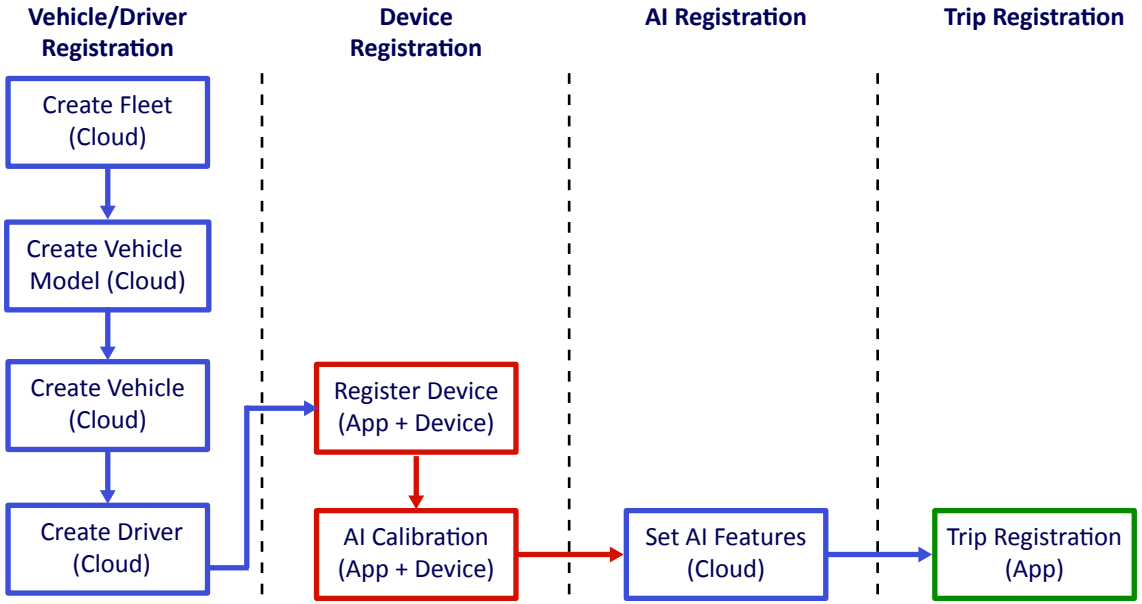


The menu can be expanded or collapsed by clicking on the hamburger menu in the top bar.

1.3 Setting Up the Test Environment

To evaluate a supported VIA Mobile360 Series platform with AWS IoT Core and KVS features, the device must first be registered to the VIA Fleet Cloud Management Portal.

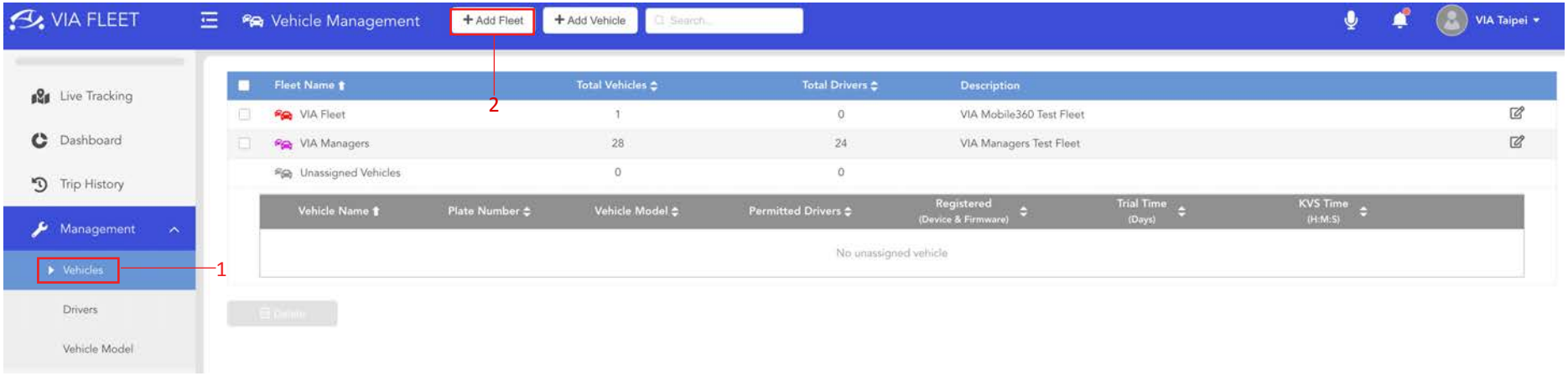
The chart below illustrates the required steps to setup the test environment.



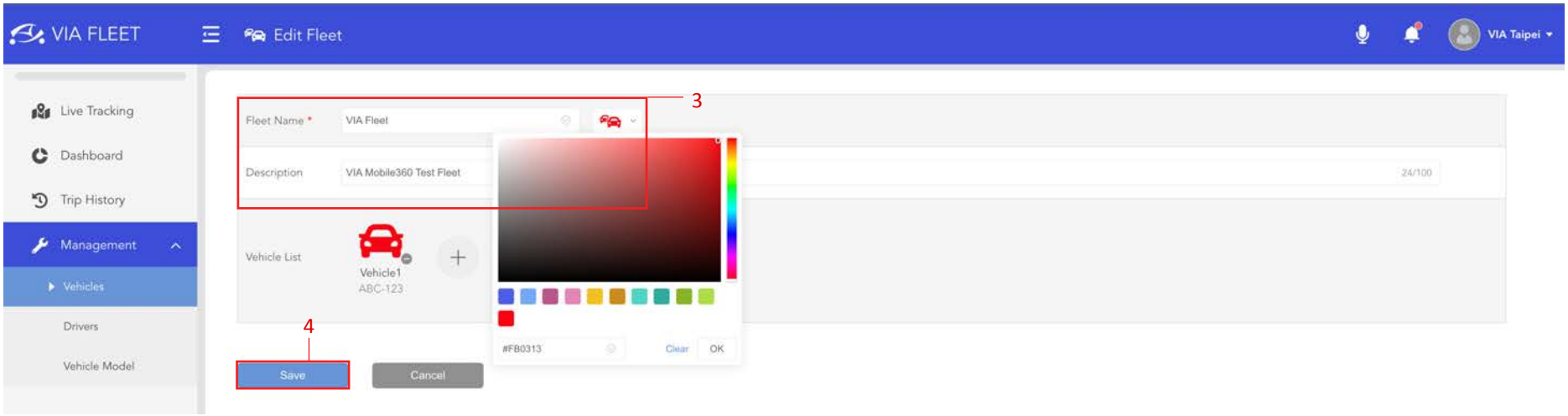
1.3.1 VIA Fleet Vehicle Registration

Follow these steps to register a new vehicle in the VIA Fleet Cloud Management Portal.

1. From the left-hand menu, select "Management -> Vehicles".
2. On the "Vehicles" management page, click "Add Fleet" on the top bar of the page to create a new fleet group.

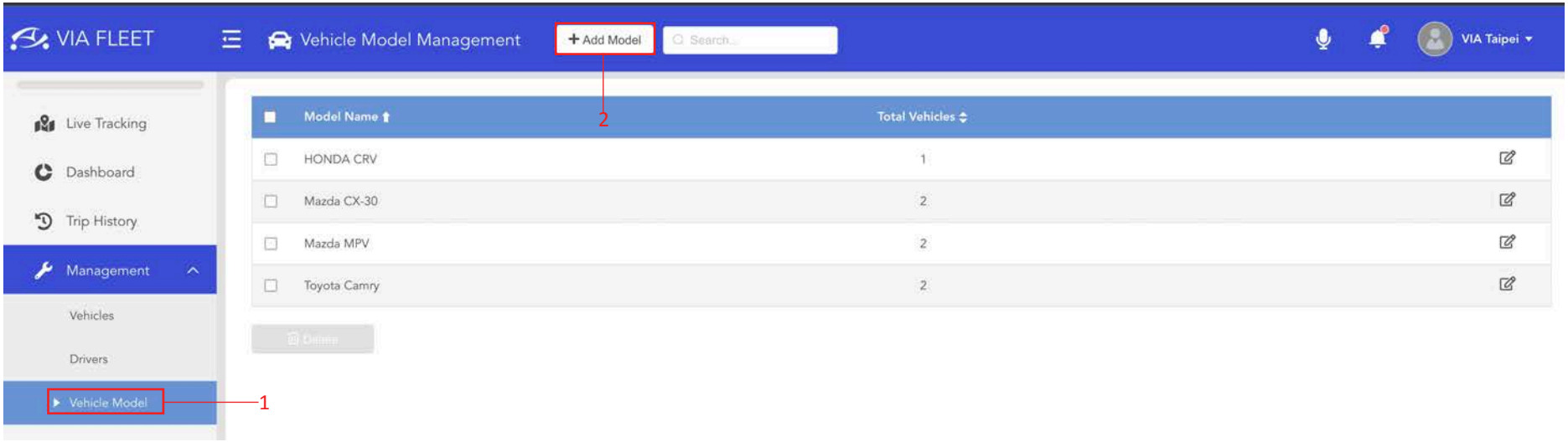


3. Fill in the required information including:
   - Fleet Name - Unique name for a group of vehicles.
   - Description - A short description for the group.
   - Color - Select a unique color to identify the group in the VIA Fleet Cloud Management Portal.



4. Click "Save" to add the new fleet group.
5. After clicking "Save", the program will return to the "Management -> Vehicles" page. From the left-hand menu, select "Management -> Vehicle Model".

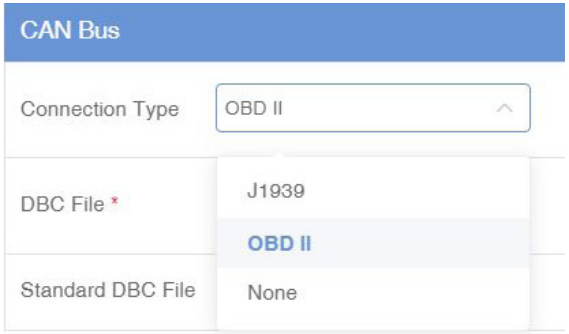
6. On the "Vehicle Model" management page, click "Add Model" on the top bar of the page to create a new vehicle model.



7. Fill in the information listed below:

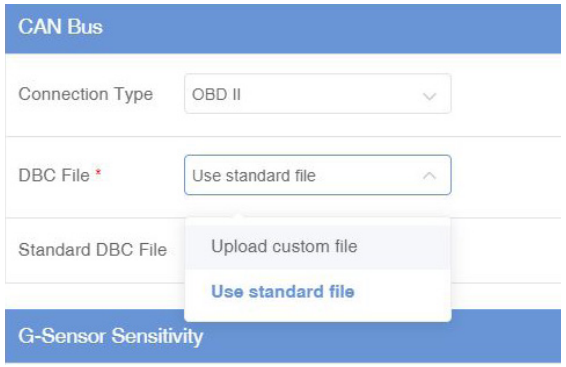
- Model Information
  - Model Name: Enter the vehicle model name (mandatory).
  - Fuel Tank Capacity: Enter the fuel tank capacity value, which is required to calculate total fuel and idle time fuel consumption for each trip. Refer to the owner's manual of the vehicle the VIA Mobile360 device will be installed in.
  - Fuel Type: Fuel octane grade required by vehicle (mandatory).
  - Vehicle Weight: Enter the vehicle weight value. There are three default ranges to choose from, "Under 1.8T", "1.8T-3.5T" or "Over 3.5T" (metric units shown) to increase the accuracy of G-sensor sensitivity for collision alerts, driver score and fuel tank consumption.
  - Displacement: Enter the engine displacement value, which is required to calculate idle time fuel consumption. Refer to the owner's manual of the vehicle the VIA Mobile360 device will be installed in.
  - Driver's Seat: Select the side (left or right) the steering wheel is on in the vehicle (mandatory).
  - Vehicle Width: Enter the engine displacement value, which is required to calculate idle time fuel consumption. Refer to the owner's manual of the vehicle model the VIA Mobile360 device will be installed in.
  - Hood Length: Enter the length of the vehicle model's hood (mandatory).

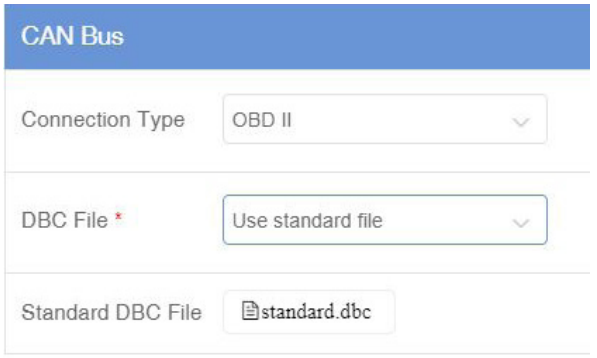
- CAN Bus
  - Connection Type: Select the appropriate CAN Bus cable connection type (mandatory) to read data required by the VIA Mobile360 device from the vehicle model's CAN Bus. There are three options to choose from, "OBD II" , "J1939" and "None".



Note:
If none is selected, speed will be provided by the GPS module which is less accurate.

  - DBC File: If J1939 or OBD II is selected, choose to use a standard or custom DBC (CAN database) file.





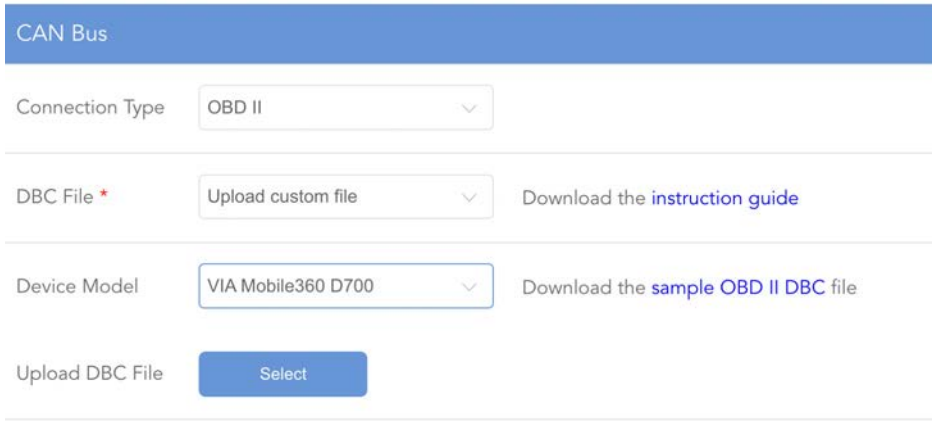
Standard DBC File: The standard DBC file option provides public data to be passed from the vehicle to the VIA Mobile360 Series device. Once selected, this file will be synced to vehicles which use this vehicle model the next time they come online.

OBD II: The standard file provides public data for speed, fuel tank level, trip distance and engine start time.

J1939: The standard J1939 file provides public data for speed, fuel tank level, trip distance, engine start time, turn signals, gear and steering angle (only required for the VIA Mobile360 M810 PAS feature).

Custom DBC File: The custom DBC file option allows users to add in private information to obtain turn signals, gear, steering angle (only required for the VIA Mobile360 M810 PAS feature) for an OBD II connection to further enhance the ADAS features on the VIA Mobile360 Series device. For a J1939 connection, users can add private data if the vehicle does not follow the J1939 standard protocols.

Users can download the custom file instruction guide and a sample custom DBC file for the selected connection for each VIA Mobile360 Series device by clicking on the links on the right-hand side.



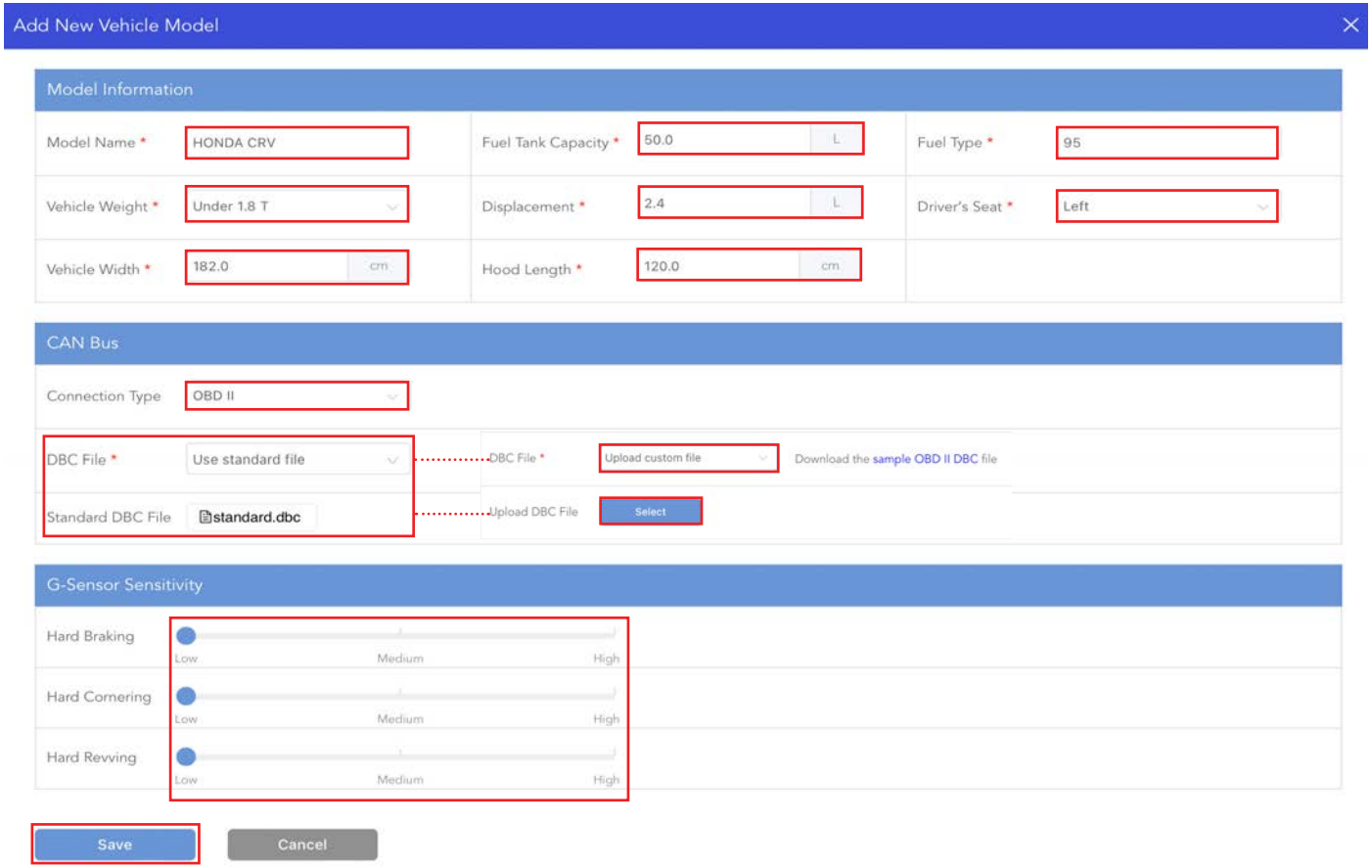
- Upload DBC File: Once a custom DBC file for the vehicle model has been created, users need to select which VIA Mobile360 Series device to upload the DBC file for. Once the correct device is selected, click on the "Select" button to bring up a file browser on the PC to select the appropriate DBC file. Click on "Open" to upload the file.

  Uploaded files will appear under the VIA Mobile360 Series device if available. Clicking on the file name will allow users to download the file to their PC to modify if required.

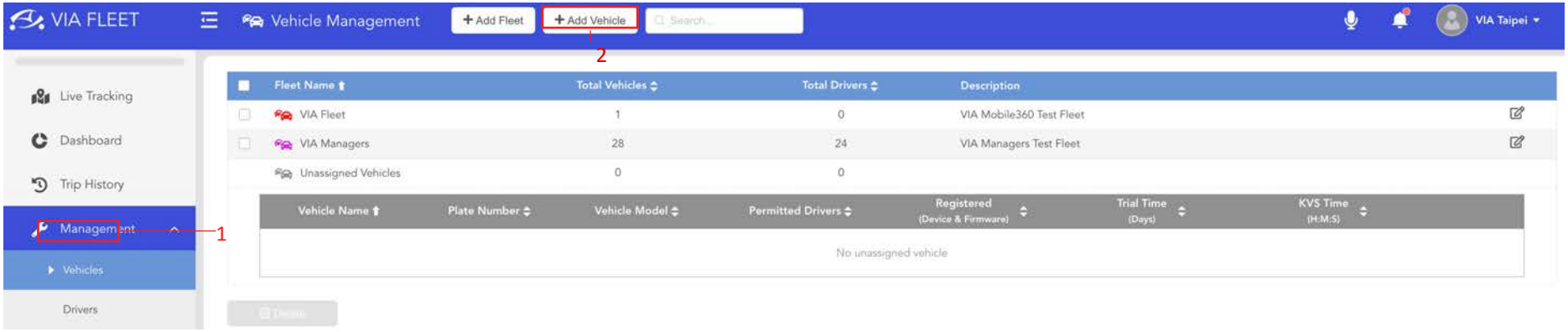
  If another VIA Mobile360 Series device needs to be supported for the vehicle model, follow the steps above to upload a DBC file for it.

Note:
Custom DBC files should only be used by experts in CAN bus data protocols and DBC file structures. It is recommended to obtain private CAN IDs from the manufacturer of the vehicle. Files with incorrect information can cause damage to vehicles.

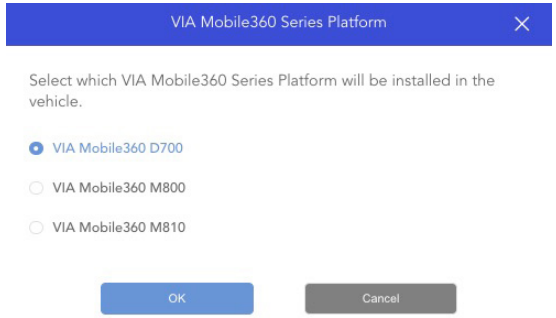
- G-Sensor Sensitivity: Move sliders to set G-Sensor sensitivity to low, medium or high for detecting hard braking, hard cornering and hard revving. There are 11 sensitivity levels between high to low, where "High" makes it easier to detect hard braking, hard cornering or hard revving, while "Low" makes it harder to detect hard braking, hard cornering or hard revving.



8. Click "Save" to add the new vehicle model.
9. After clicking "Save", the program will return to the "Management -> Vehicle Model" page. From the left-hand menu, select "Management -> Vehicles".
10. From the top menu bar, select "Add Vehicle" to register a new vehicle to the new fleet group created.

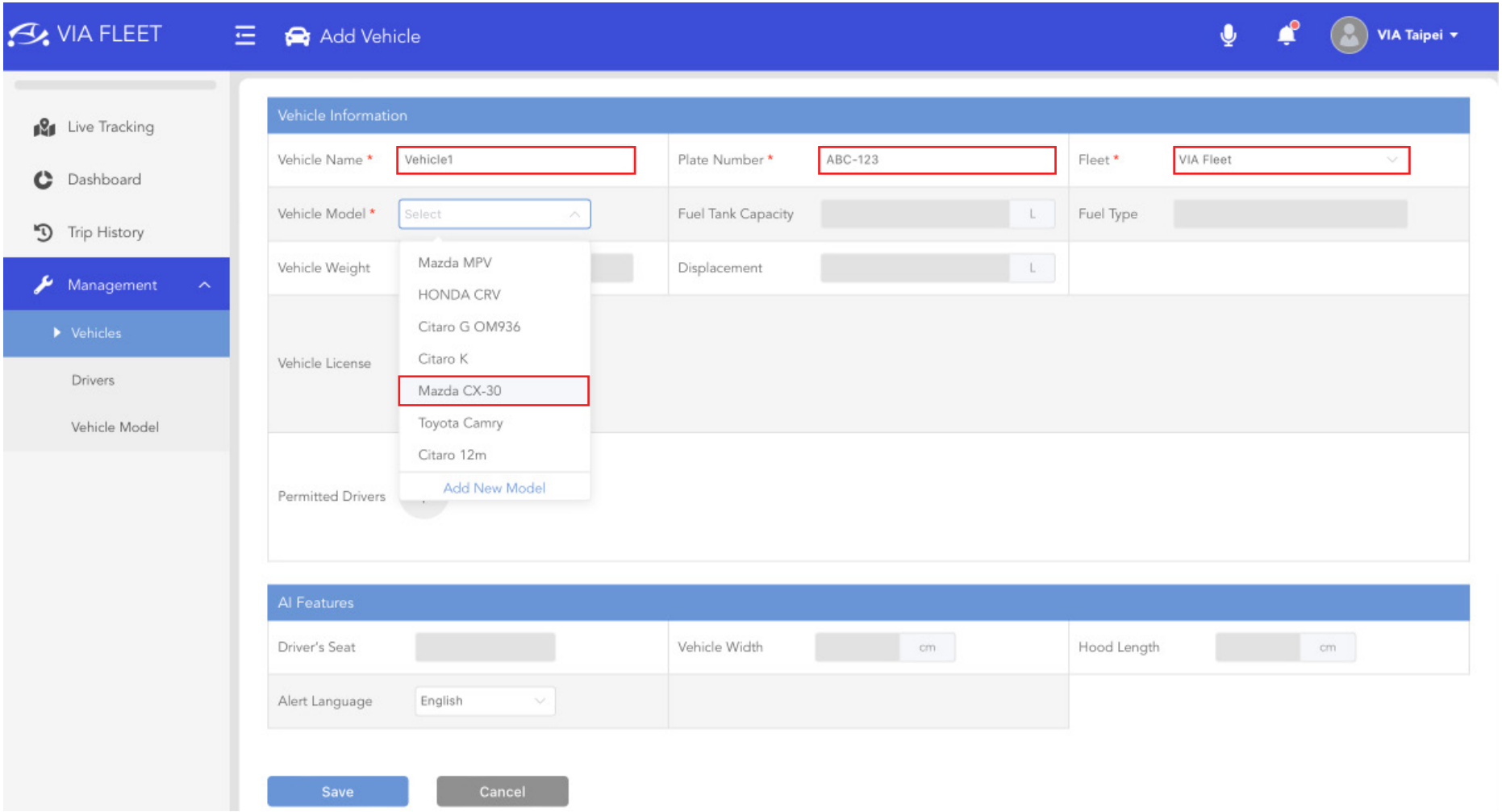


11. Select the VIA Mobile360 Series platform which will be installed in the vehicle from the list and select "OK".



12. Follow the steps provided in the respective VIA Mobile360 Series Product EVK Quick Start Guide to complete vehicle registration on the VIA Fleet Cloud Management Portal. The example below is for a VIA Mobile360 D700 device.
13. Fill in the information for the new vehicle including:
    - Vehicle Name - Used to identify the vehicle throughout the VIA Fleet Cloud Management Portal.
    - Plate Number - The license plate number of the vehicle the VIA Mobile360 D700 device is installed in.
    - Fleet - Select the "Fleet" created in step 3 above.
    - Vehicle Model - Select the vehicle model (mandatory) created in steps 5 - 8 above.

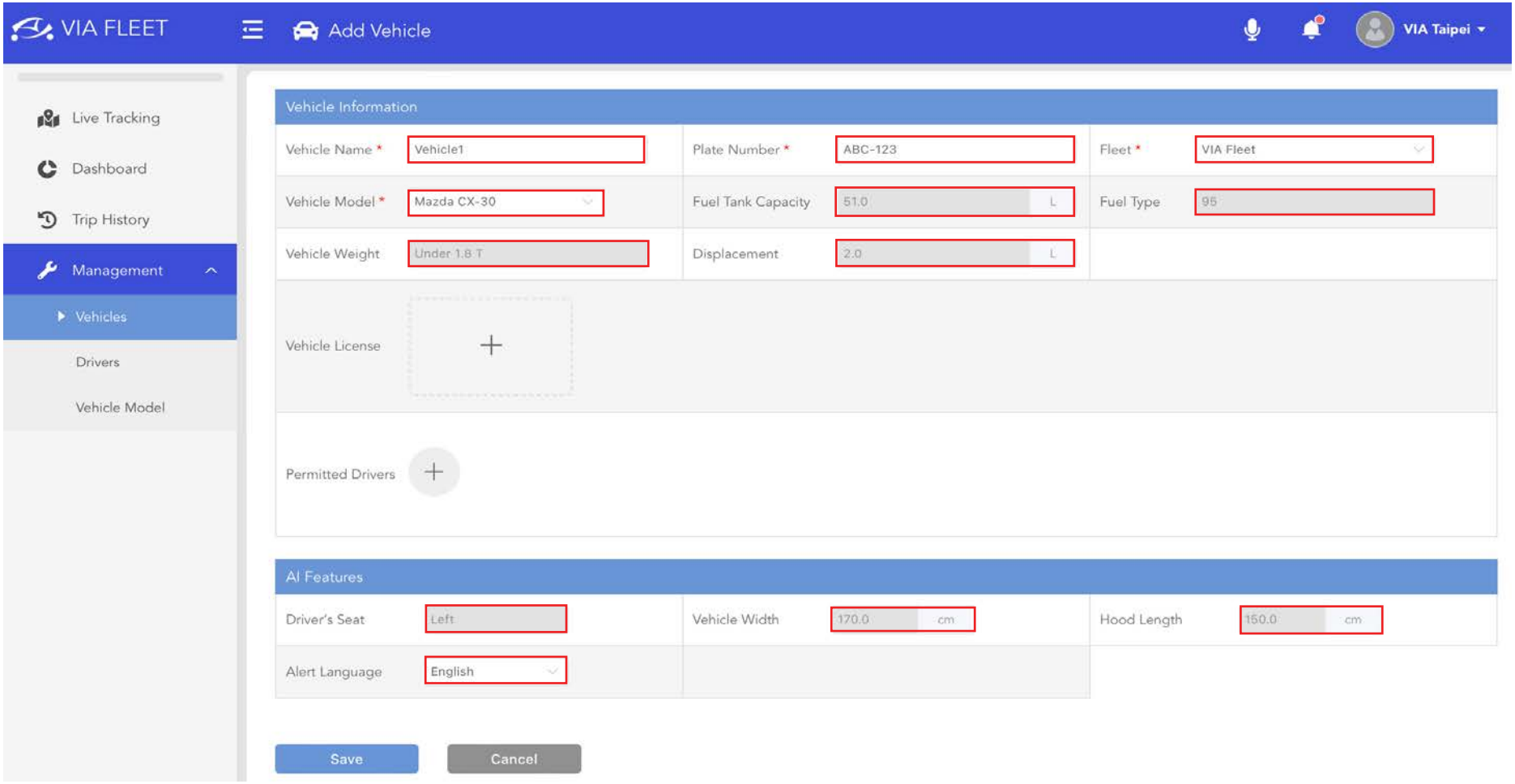
Note:
When a vehicle model is selected, the fields for "Fuel Tank Capacity", "Fuel Type", "Vehicle Weight", "Displacement", "Driver's Seat", "Vehicle Width" and "Hood Length" will automatically be filled in.



- Vehicle License - Image of the vehicle registration document (not mandatory).
- Permitted Drivers - Drivers must be created before adding permitted drivers for the vehicle.

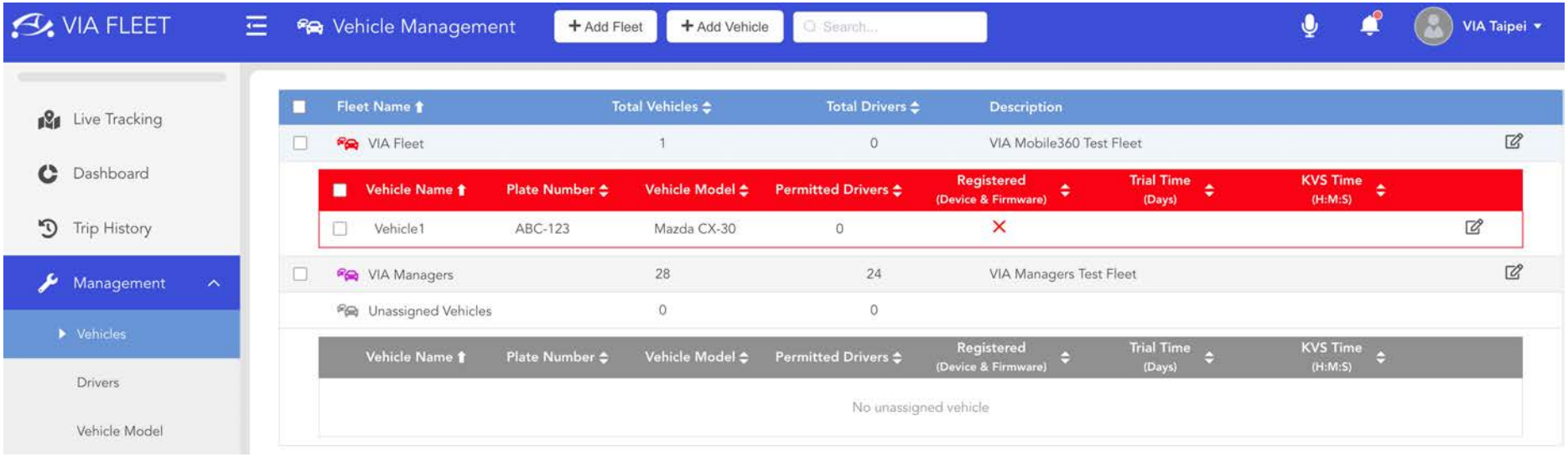
• AI Features

- Alert Language: Select the language the audio alerts should be played in (English, Japanese, Traditional Chinese and Simplified Chinese are supported).



Note:
Values in "Driver's Seat", "Vehicle Width" and "Hood Length" fields are required for LDW, FCW and DSS AI features to work correctly.

14. Click "Save" to register the vehicle.
15. After clicking "Save", the program will return to the "Management -> Vehicles" page. Click the Fleet name and it will expand to show the vehicle has been added to the fleet.



1.3.2 VIA Mobile360 Series Device Registration

Before registering a VIA Mobile360 Series device to the vehicle created in the section above, install the device in the vehicle. It is recommended to use the OBD II/J1939 cable to get all vehicle and trip information. A 4G SIM card is also required to be installed. Refer to the VIA Mobile360 EVK Quick Start Guide for the respective device for complete instructions.

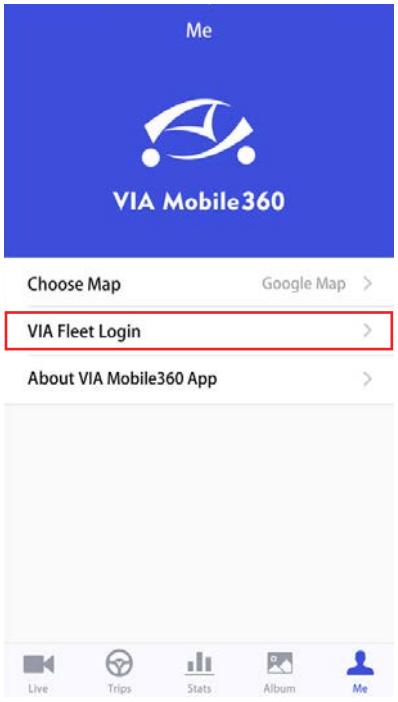
After installation is complete, follow the steps below to register the VIA Mobile360 Series device to the VIA Fleet Cloud Management Portal.

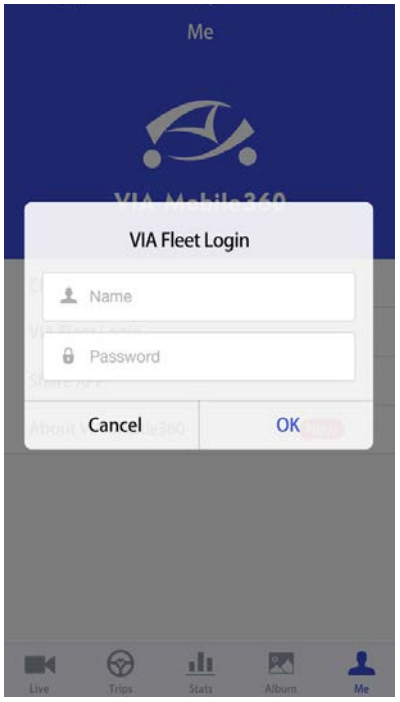
1. Scan the appropriate QR code below to download the VIA Mobile360 app from the Google Play Store for Android devices or the App Store for iOS devices.

Get it on Google play

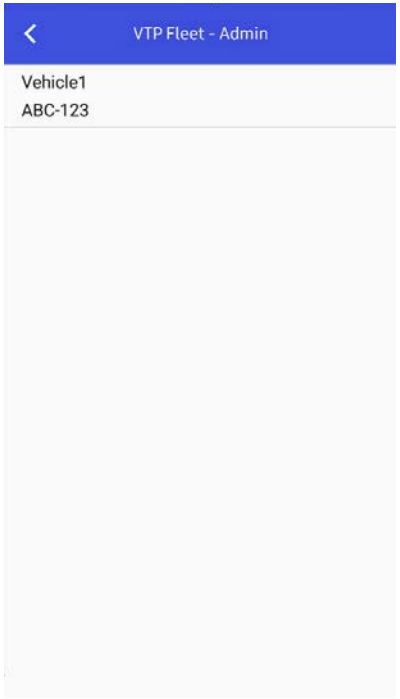
Available on the App Store

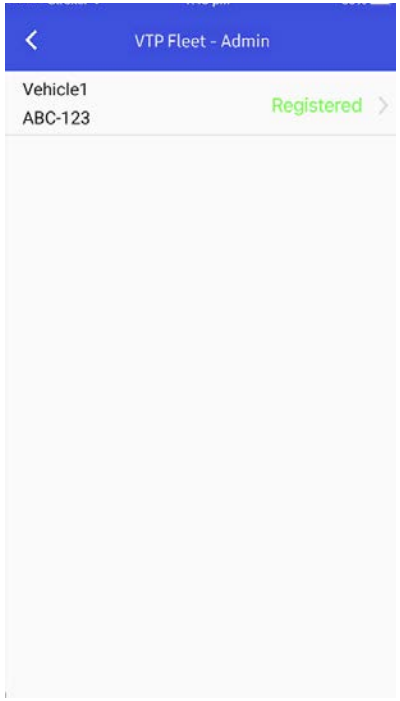
2. After installation is complete, launch the app.





3. Select "Me" from the bottom row of icons in the app.
4. Select "VIA Fleet Login".
5. Input the same Username and Password provided for the VIA Fleet Cloud Management Portal to login and tap on "OK".
6. Select "Vehicle Binding" to display the list of all vehicles created in your VIA Fleet Cloud Management account.





7. Start the vehicle to power on the VIA Mobile360 Series device. After the device finishes booting, there will be a short beep followed by the notification "Scan registration QR code". After the audio notification, there is a 60-second window to scan the QR code from the app.
8. In the app, tap on the vehicle in the list to generate a QR code that is used to bind the VIA Mobile360 Series device.
9. Place the QR code in front of the DSS camera lens of the VIA Mobile360 Series device.
10. Once the device has scanned the QR code, the device will play the audio confirmation, "Registration Successful".
11. Tap on "OK" on the pop-up notification to return to the vehicle list where it will show "Registered" beside the vehicle name.

Note:
If the QR code is not successfully scanned within the 60-second window, the VIA Mobile360 Series device will play the audio notification "Registration Failed". If this occurs, reboot the device and start over.

12. Log back into the VIA Fleet Cloud Management Portal and go to "Management -> Vehicles". Click the Fleet in the list and select the vehicle which was registered. There will be three new sections of vehicle information added to the vehicle information page.

Device Information - Displays information about the VIA Mobile360 Series device bound to the vehicle:

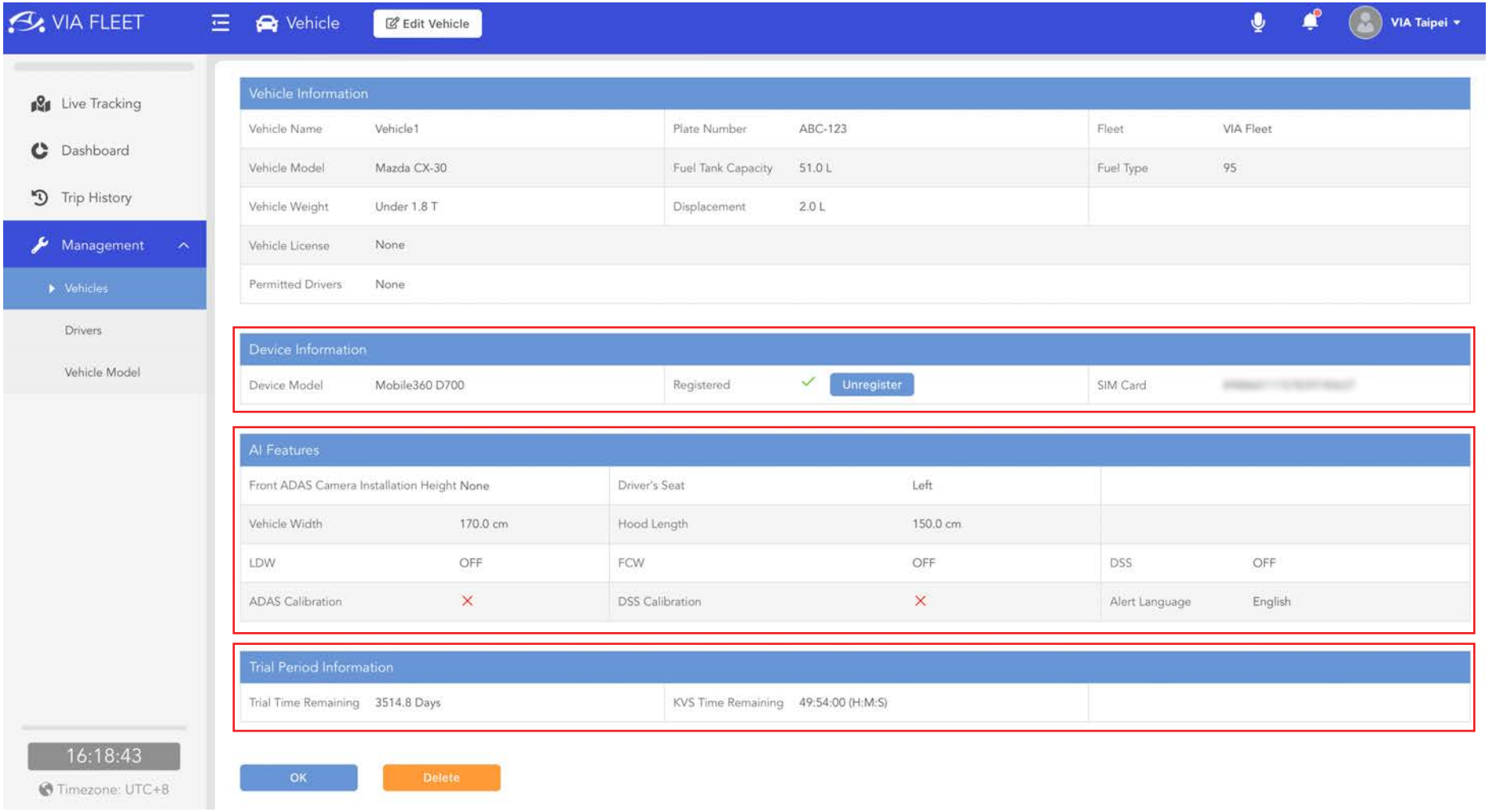
- Device Model - The model of the VIA Mobile360 Series device bound to the vehicle.
- Registered - A green check mark indicates that the vehicle has a VIA Mobile360 Series device bound with it. To unregister the device, click on the "Unregister" button displayed.
- SIM Card - Displays the SIM card number installed in the VIA Mobile360 Series device.

AI Features - Displays the available AI features and calibration status.

Note:
This will vary for each VIA Mobile360 Series device.

Trial Period Information - Displays information regarding the device's trial feature period:

- Trial Time Remaining - Shows the number of days remaining to test the device with the VIA Fleet Cloud Management Portal.
- KVS Time Remaining - Shows the number of KVS live streaming hours remaining.



The image above represents the new fields added for a VIA Mobile360 D700 AI Dash Cam.

Note:
To register more devices, repeat steps in sections 1.3.1 and 1.3.2.

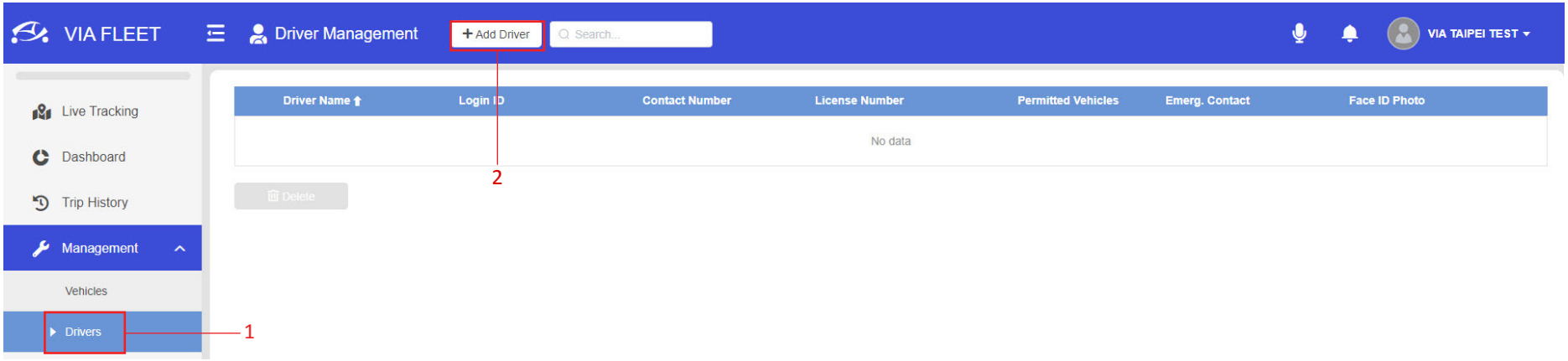
1.3.3 Enabling AI Features

To use the AI features, ADAS and DSS calibration processes must be completed using the VIA Mobile360 app and the features must be activated on the cloud or the VIA Mobile360 app. Refer to the VIA Mobile360 EVK Quick Start Guide to set up, calibrate and activate available AI features for respective VIA Mobile360 Series devices.

1.3.4 VIA Fleet Driver Registration

The VIA Fleet Cloud Management Portal allows for drivers to be registered in the device to allow for deeper insights when managing a fleet. To identify drivers of individual trips, drivers must first be created in the VIA Fleet Cloud Management Portal. Follow the steps below to create drivers and register them as permitted drivers for vehicles.

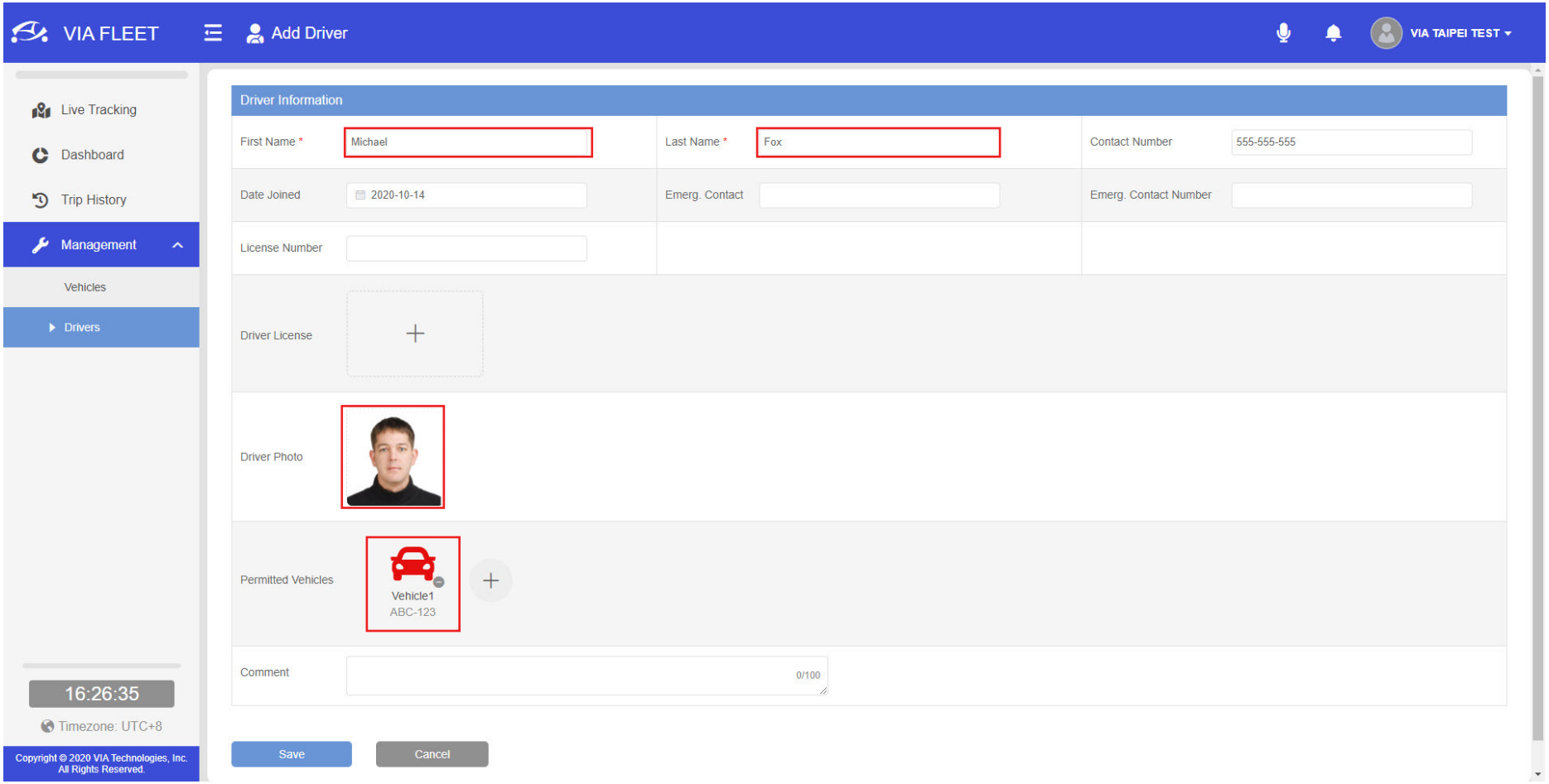
1. From the left-hand menu, select "Management -> Drivers"
2. Next select "Add Driver" from the top bar.



3. Fill in the listed below as a minimum:
   - First Name - First name of driver - mandatory
   - Last Name - Last name of driver - mandatory
   - Driver Photo - Photo of driver to be used to help identify the driver throughout the VIA Fleet Cloud Management Portal.

Note:
Photos uploaded to the driver profile through the VIA Fleet Cloud Management Portal are not used for facial recognition purposes on VIA Mobile360 Series devices. For information on how to add images for facial recognition, see section 1.3.5.2.

   - Permitted Vehicles - Click the "+" symbol to register the driver as a permitted driver for a vehicle. More than one vehicle can be selected.



4. Click "Save" to add the new driver.

1.3.5 Registering a Driver for a Trip

After creating a driver in the VIA Fleet Cloud Management Portal, drivers can register for a trip by scanning their unique driver QR Code from the VIA Mobile360 app or with their Face ID (facial recognition) after the VIA Mobile360 Series device boots.

Note:
See section 1.4.2 for information on selecting the driver registration method for trips.

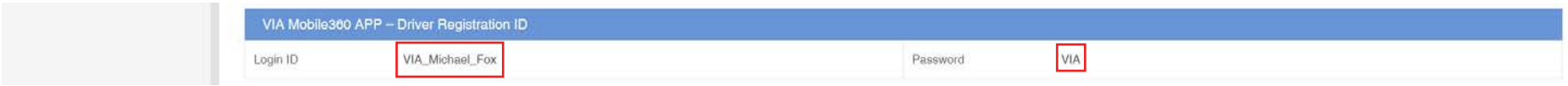
1.3.5.1 Trip Registration - QR Code

Follow these steps to successfully register a driver for a trip with the driver QR code.

1. Go to "Management -> Drivers" in the VIA Fleet Cloud Management Portal and select the driver to be registered for the trip. The "VIA Mobile360 App - Driver Registration ID" section displays the "Login ID" which is the driver username used to login into the VIA Mobile360 app for that driver.
   - Username - The default username is generated as follows:

     "company name_driver's first name_driver's last name". This can be changed after creating a driver.

     For example: VIA_Michael_Fox
   - Password - The password is the company name.



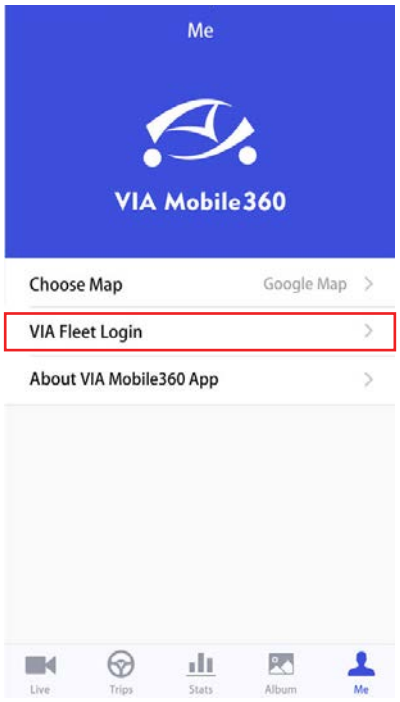
2. Scan the appropriate QR code below to download the VIA Mobile360 app from the Google Play Store for Android devices or the App Store for iOS devices.

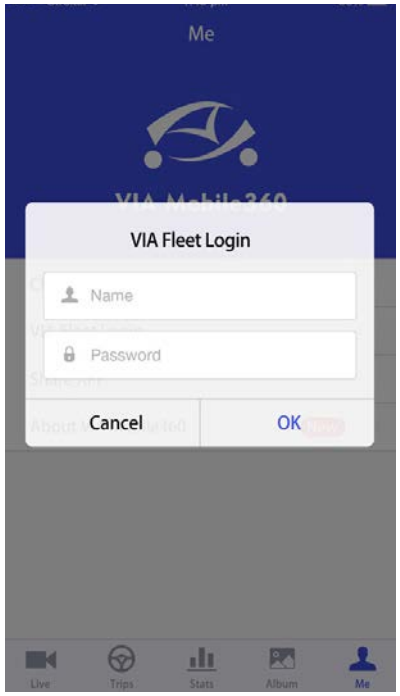
Get it on Google play

Available on the App Store

3. After installation is complete, launch the app. After a VIA Mobile360 Series device has been registered to the VIA Fleet Cloud Management Portal you will hear an audio notification "Scan Driver QR Code" after the device completes booting.

4. In the app, select "Me" from the icons at the bottom of the app.
5. Select "VIA Fleet Login".





Note:
This process needs to be done for every trip, where a trip is defined as when the device boots to when the device is powered off.

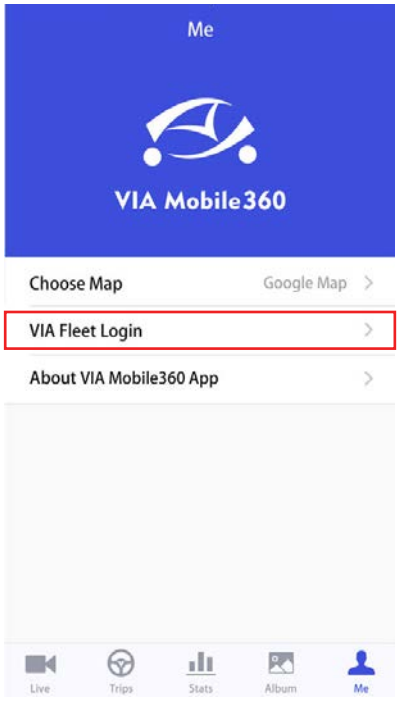
6. Input the Driver Login ID and Password and tap on "OK". This will open a screen with the driver QR code which will remain valid for the time set in the settings (default is 60 seconds).
7. Place the driver QR code in front of the DSS camera lens (the default scan time is 60 seconds). Once the VIA Mobile360 Series device has successfully scanned the QR code, an audio notification will play "Driver Registered" and the trip recording will begin. An image will also be captured by the DSS camera after a default period of 30 seconds for inclusion in the trip history report.

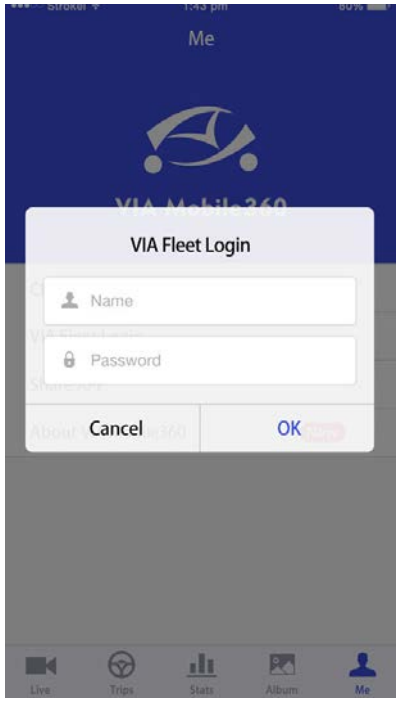
Note:
If no QR code is scanned within the time limit, the trip will automatically begin recording and after the time limit expires, the vehicle will display "Unknown Driver" in the live tracking section of the VIA Fleet Cloud Management Portal.

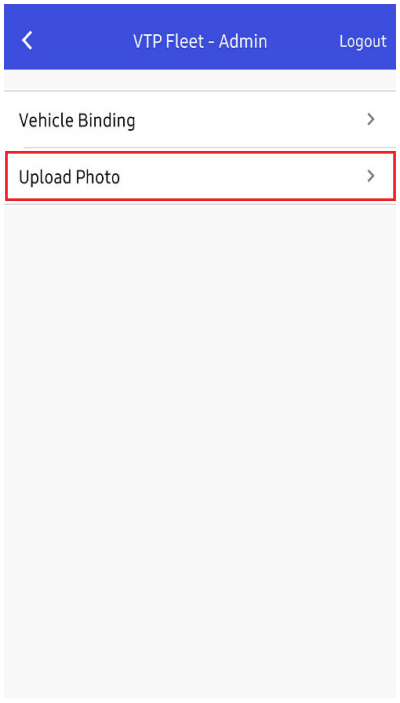
1.3.5.2 Trip Registration - Facial Recognition

Follow these steps to create the driver facial recognition vectors for registration with Face ID.

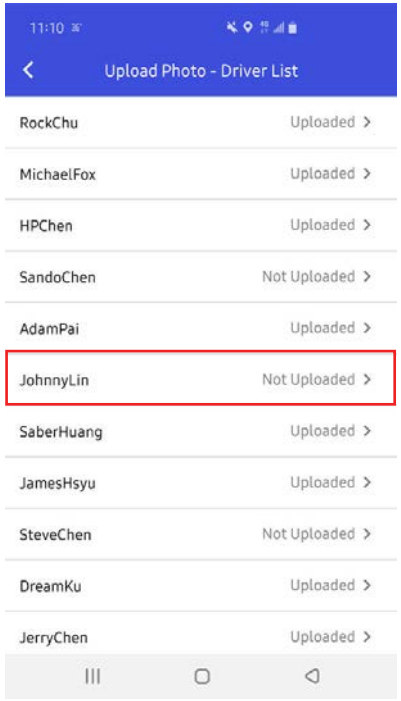
1. Open the VIA Mobile360 app and tap on the "Me" tab.
2. Select "VIA Fleet Login" and enter the administrator's username and password. This is the same as used for VIA Fleet Cloud Management portal login.
3. Select "Upload Photo" from the list.

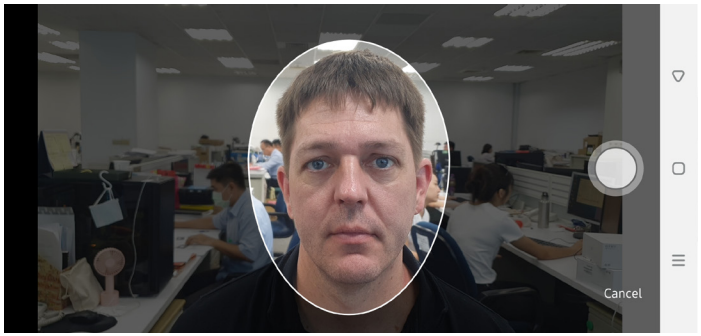




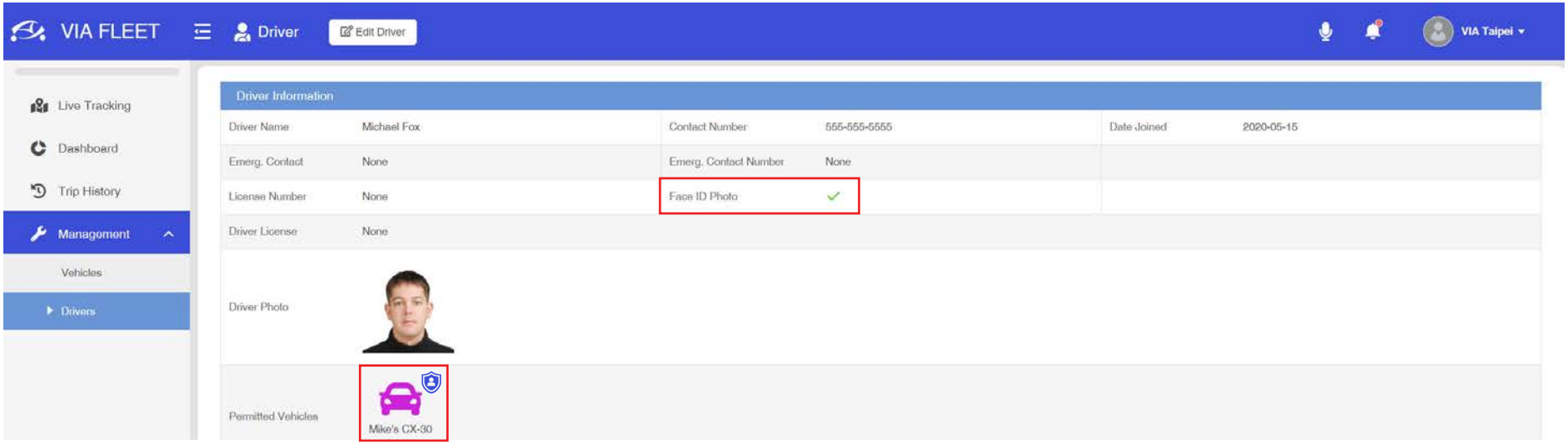


4. This will present a list of all registered drivers and will indicate if a photo has been uploaded or not.
5. Select the driver to add a Face ID photo.
6. Center the driver's face in the window overlay and press the snapshot button.
7. Tap "OK" and the image will be uploaded to the VIA Fleet Cloud Management Portal.





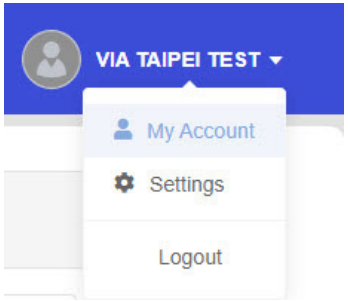
8. In the VIA Fleet Cloud Management Portal, go to the driver page for which the Face ID image was uploaded.
9. The Face ID Photo field will now show a green check mark indicating that a Face ID photo has been uploaded.
10. When any of the permitted vehicles come online, the Face ID vectors will download to the VIA Mobile360 Series device in that vehicle.
11. Vehicles that have downloaded the driver's Face ID vectors will show the Face ID icon " " beside the vehicle.



12. To enable "Face ID" registration, go to the Settings tab in the VIA Fleet Cloud Management Portal and set the "Driver Registration Method" to "QR Code or Face ID." See section 1.4.2 for more information.
13. When a vehicle comes online, the settings will be updated and will play "Look at the camera or scan driver QR code" audio notification after booting up.
14. Registered drivers can now look at the camera and when they are successfully identified, the notification "Scan Successful" will play.
15. Driver QR codes can also be used to register for the trip as described in section 1.3.5.1.

Note:
DSS calibration must be completed before the Face ID registration can work.

1.4 Account Settings



After completing the test environment setup, settings for all fleet devices and account information can be found by clicking on the username on the right-hand side of the top menu bar. Clicking it will expand the menu to show options for:

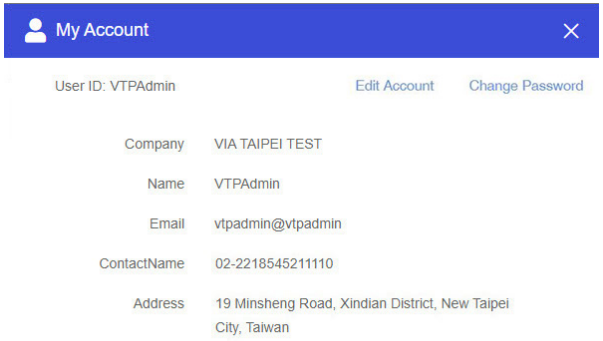
- My Account - User profile including Company, Login Name, E-mail, and other information.
- Settings - Global settings for measurement unit, time format, portal language, alert recording duration, trip audio recording, 2-way call recording, collision alert sensitivity and alert language.
- Logout - Log out of the VIA Fleet Cloud Management Portal.

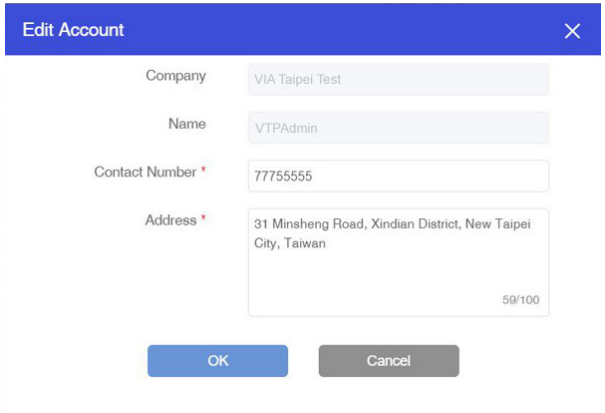
1.4.1 My Account

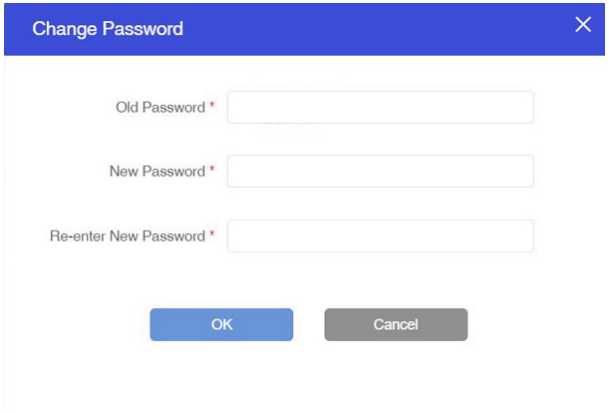
After selecting "My Account", the user profile including will be displayed with Company, Login Name, E-mail, and other information.

To change the contact number and company address, click "Edit Account" and modify the desired information in the corresponding fields. Click "OK" to save.

To change the login password, click "Edit Password". Enter the old password and the new password twice. Click "OK" to save.

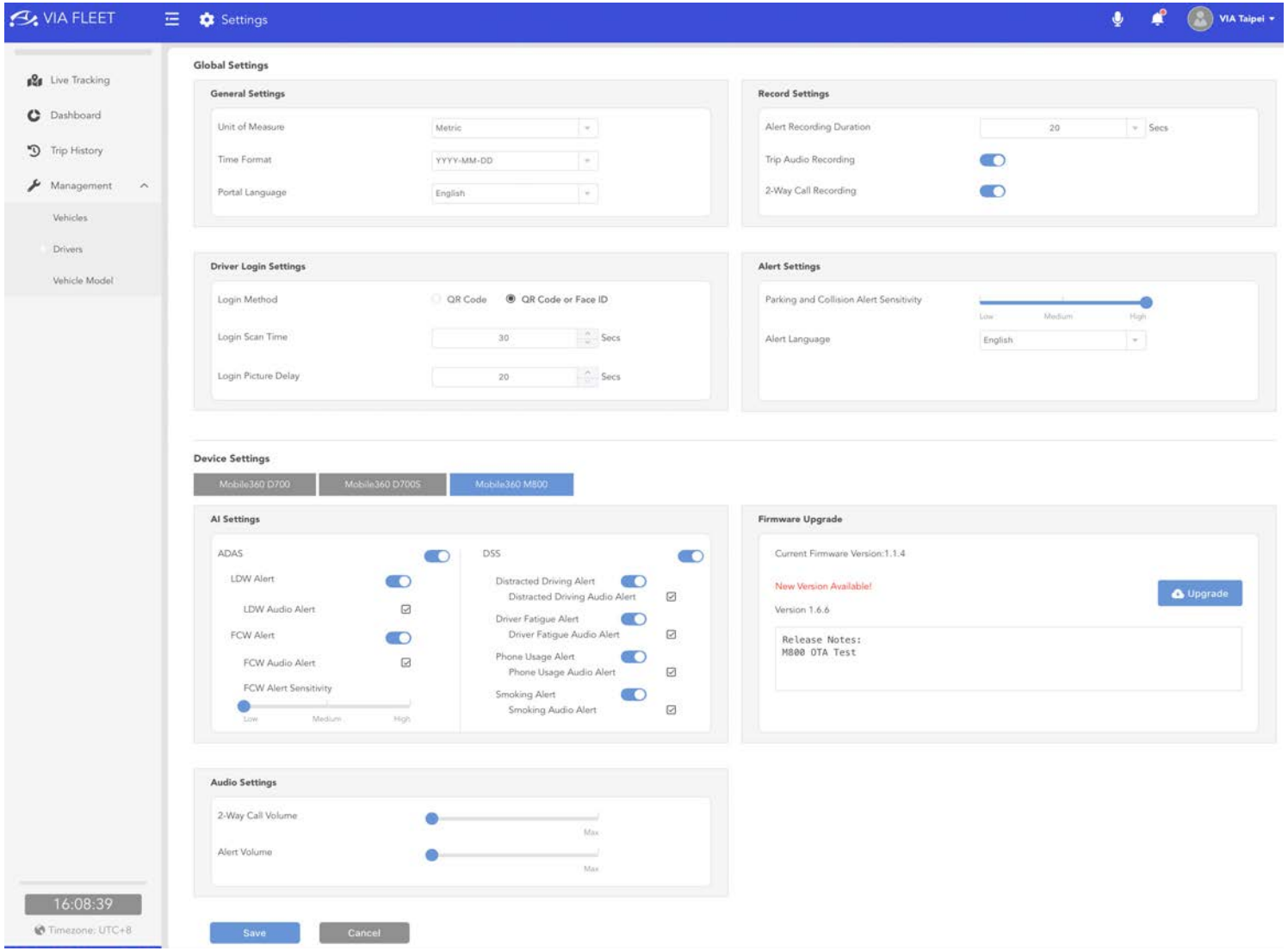






1.4.2 System Settings

The "System Settings" page allows universal settings to be configured for all VIA Mobile360 Series devices registered to an account in the VIA Fleet Cloud Management Portal.



Global Settings

- General Settings:
  - Unit of Measure - Select either Metric, Imperial or US Customary to set the units used throughout the VIA Fleet Cloud Management Portal.
  - Time Format - Select how the date will be displayed throughout the VIA Fleet Cloud Management Portal.
  - Portal Language - Select the language to be used in the VIA Fleet Cloud Management portal. (English, Simplified Chinese, Traditional Chinese and Japanese are supported)
- Driver Login Settings:
  - Login Method - Select whether drivers can log in for trips using "QR Code" or "QR Code or Face ID".

Note:
To use Face ID to register for a trip, the DSS function must be calibrated first.

  - Login Scan Time - Set the time after the device finishes booting to accept Driver QR code scans, the default setting is 60 seconds.
  - Login Picture Delay - Set the time after a successful Driver QR code scan to take a photo with the DSS camera. This will be added to the trip history to verify who drove the vehicle.
- Record Settings:
  - Alert Recording Duration - Set the recording time (10, 20 or 30 seconds) from the point of the alert trigger.
    - For collision alerts while driving or driver initiated alert videos via the short record button, 10 seconds prior to the trigger point will be added to the alert video.

Note:
For driver alerts, if the driver presses the button while the first alert is still recording, the original alert video will add on an additional x seconds to the video, where x equals the "Alert Recording Duration' in the settings. For example, if the "Alert Recording Duration" is 10 seconds, 10 more seconds will be added to the video. The maximum length of the video will be up to 50 seconds after the initial trigger regardless of how many times the button is pushed.

    - Parking mode collision alerts will record the set recording time after the device boots.

Note:
Driver and parking alerts are not supported on the VIA Mobile360 M810.

  - Trip Audio Recording - Turn audio recording on or off for trip videos.

- 2-Way Call Recording - Enable 2-way calls to be recorded and available for playback in the Trip History page.

- Alert Settings:
  - Parking and Collision Alert Sensitivity - This is the sensitivity setting for parking and collision alerts. There are 16 sensitivity levels between high and low, where "High" makes it easier to trigger an alert and "Low" makes it harder to trigger an alert.
  - Alert Language - Select the default language used to play back audio alerts on connected devices. (English, Simplified Chinese, Traditional Chinese and Japanese are supported)

Device Settings

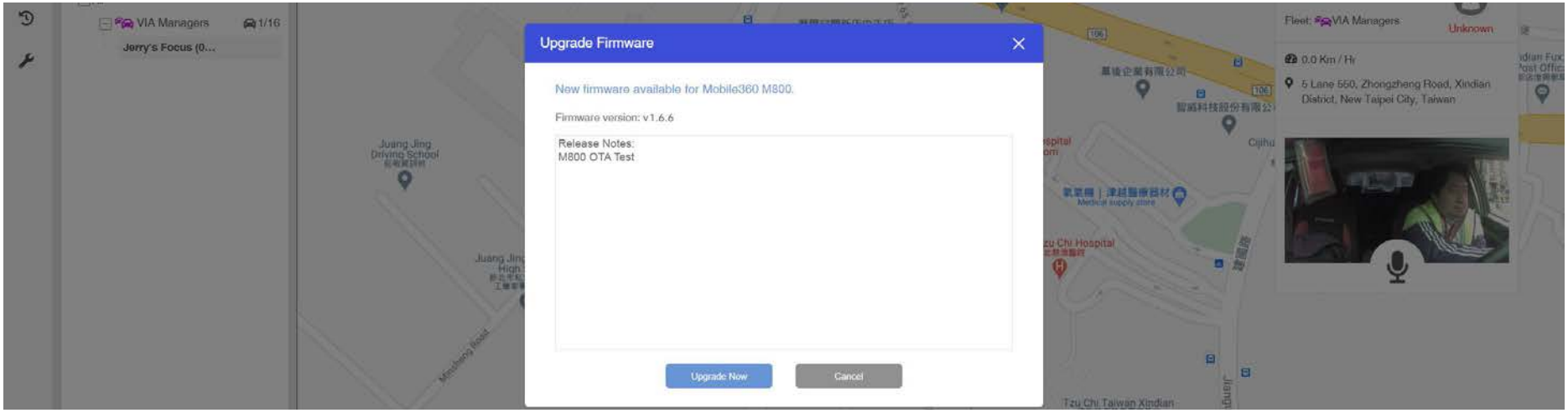
Refer to the VIA Mobile360 EVK Quick Start Guide for the VIA Mobile360 Series device to see which device specific settings are available.

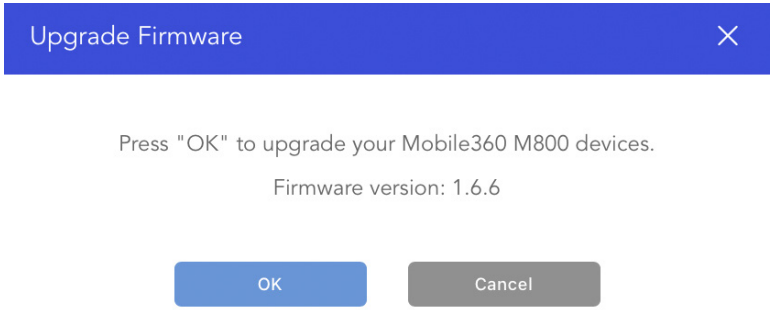
Note:
When a VIA Mobile360 Series device connects to the VIA Fleet Cloud Management Portal, cloud settings will override the local default settings or settings changed using the VIA Mobile360 app.
*Collision, Parking and Driver Alert videos will always include audio.

1.5 OTA Firmware Upgrade

To receive the latest trial firmware from VIA by OTA, VIA Mobile360 devices must be registered on the VIA Fleet Cloud Management Portal. When a new version is released, the company manager will receive a notification when logging in to VIA Fleet. To push the latest upgrade to registered devices, select "Upgrade now" and confirm the selection by selecting "OK" in the subsequent pop-up window.

Note:
If the user selects Cancel, the upgrade can be deployed at a later date through "System Settings" as described in section 1.5.1.



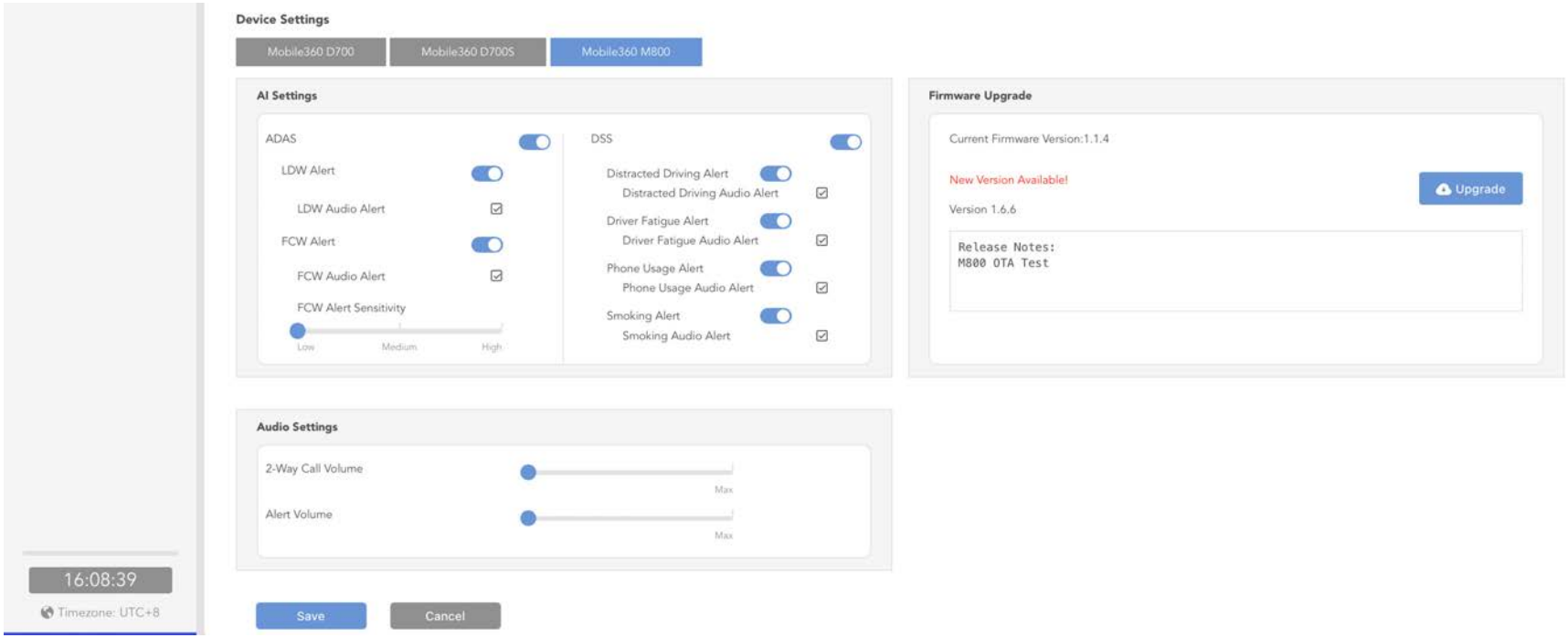


The next time a registered device is turned on, the pre-installed OTA Client program will check if there is a new firmware version available on cloud and will download the available package. If the download is successful, the next time the device is powered on, it will automatically start upgrading the device firmware.

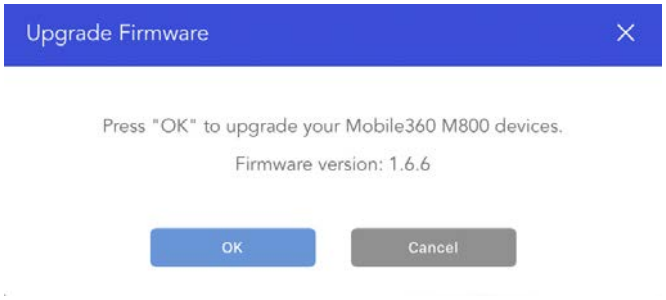
1.5.1 Upgrading Firmware through System Settings

If a company manager cancels the upgrade process upon viewing the first notification, the upgrade can be deployed at a later date through "System Settings"

1. Go to the "System Settings" tab and scroll down to the Device Settings section for the VIA Mobile360 Series device towards the bottom of the page.
2. In the "Firmware Upgrade" box, the message "New Version Available" will be displayed.



3. Click the "Upgrade" button and confirm this selection in the subsequent pop-up window. Registered devices will then be able to download and install the latest firmware version as described earlier.

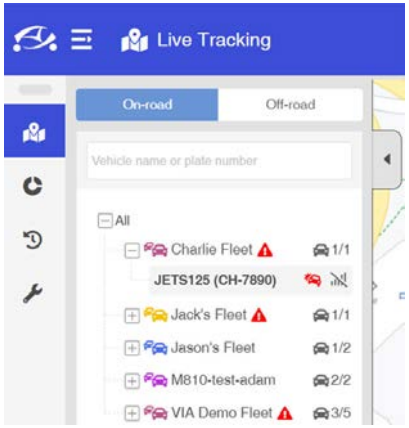


Note:
To test a VIA Mobile360 Series device without binding to the VIA Fleet Cloud Management Portal, upgrade device firmware with a MicroSD card as per instructions in the respective VIA Mobile360 EVK Quick Start Guide.

1.6 Live Tracking

The "Live Tracking" page provides real-time tracking of registered vehicles. Selecting the "On-road" tab will display all vehicles currently active. The panel below the "On-road" tab displays a list of all fleets and active vehicles in each fleet.

Note:
An active vehicle is defined as a vehicle with a registered VIA Mobile360 Series device, active 4G signal and has started the ignition.



" 7/12" - Active/Total vehicles in fleet

" " - Currently selected vehicle

" " - Indicates an alert message for a vehicle in the fleet.

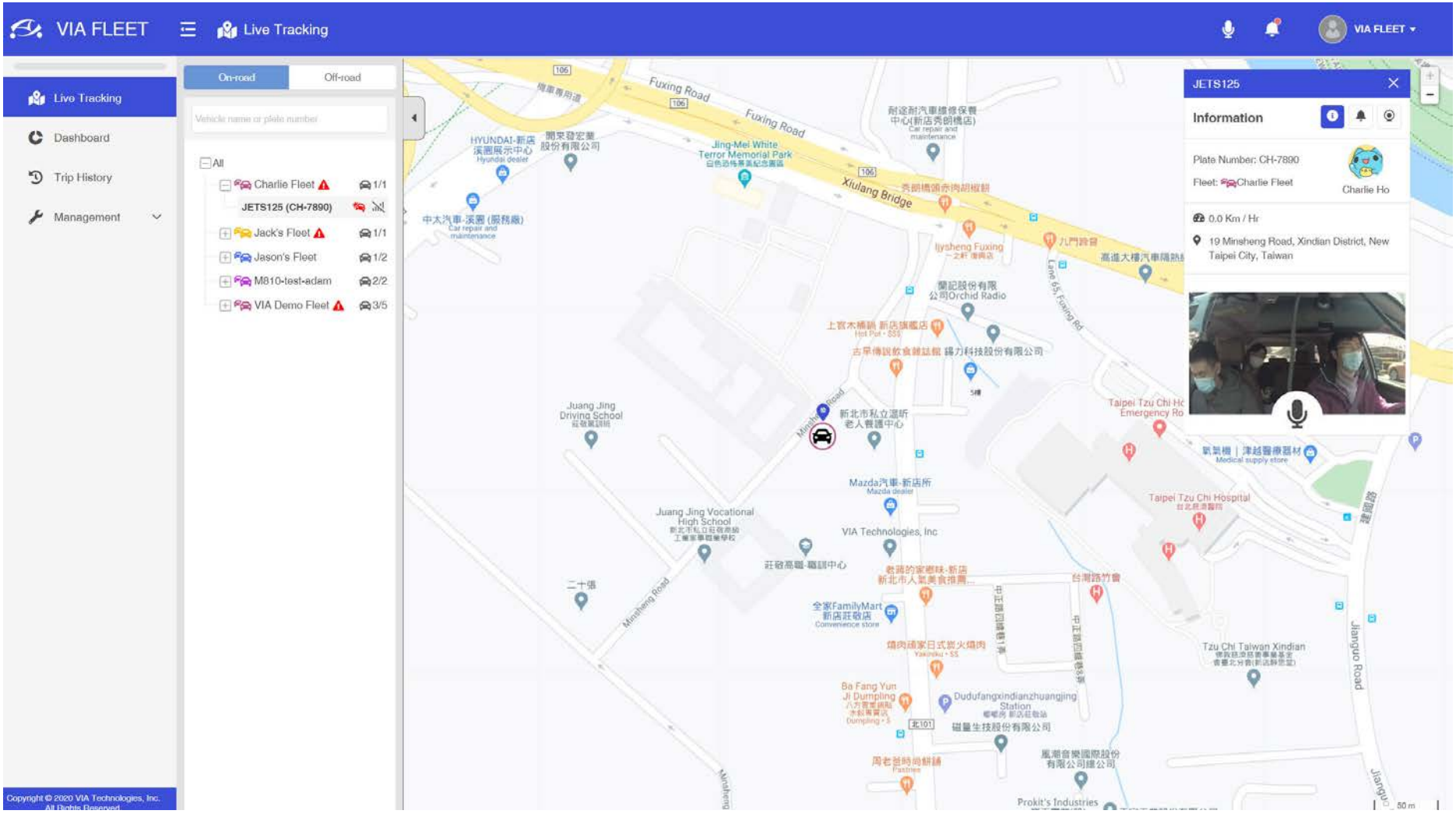
- " " Collision Alert
- " " Driver Alert
- " " Unpermitted Driver Alert

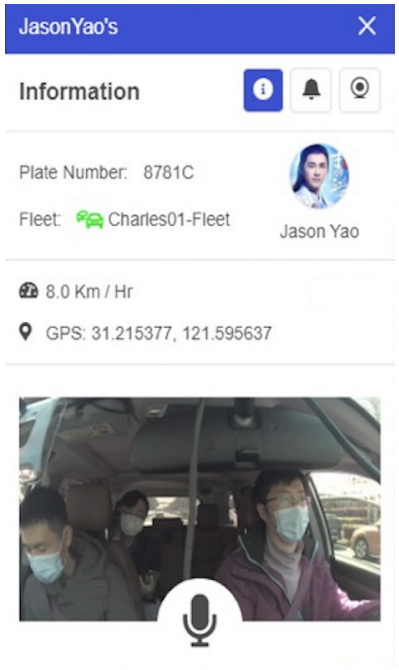
" " - Off-line, the vehicle is on road but has lost its 4G signal temporarily.

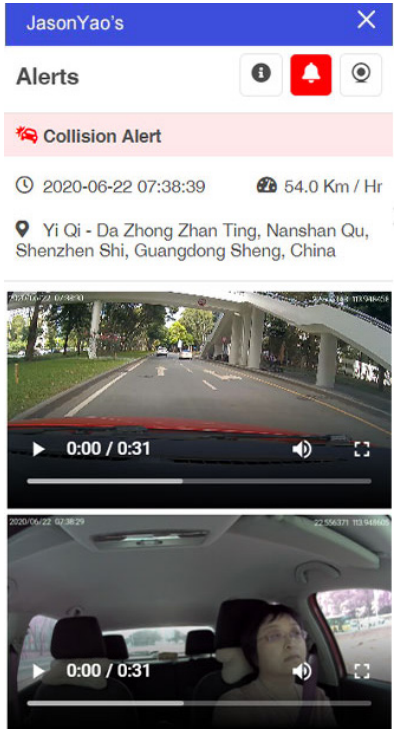
" " - 2-way call requested by driver alert.

Note:
An off-line icon will appear next to a vehicle if the device does not report as 4G signal for more than 10 minutes. If the device does not report a 4G signal for more than 3 hours, it will be moved to the off-road list.

Clicking on a fleet name will display icons for each active vehicle within the fleet on the map, while clicking on a specific vehicle in the map will center on that vehicle and display a pop-up window on the right-hand side of the screen showing more information.



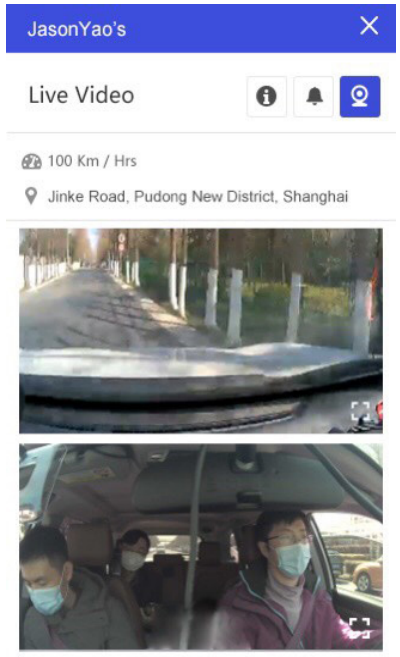




<- Clicking on the Alert icon will show the recorded videos for each collision, driver or ADAS alerts, if any.

-> Clicking on the camera icon allows a live KVS stream to be initiated.

VIA Mobile360 D700 devices allow both cameras to be streamed live at once while the VIA Mobile360 M800 and M810 systems allow one camera to be selected at a time to be streamed live.

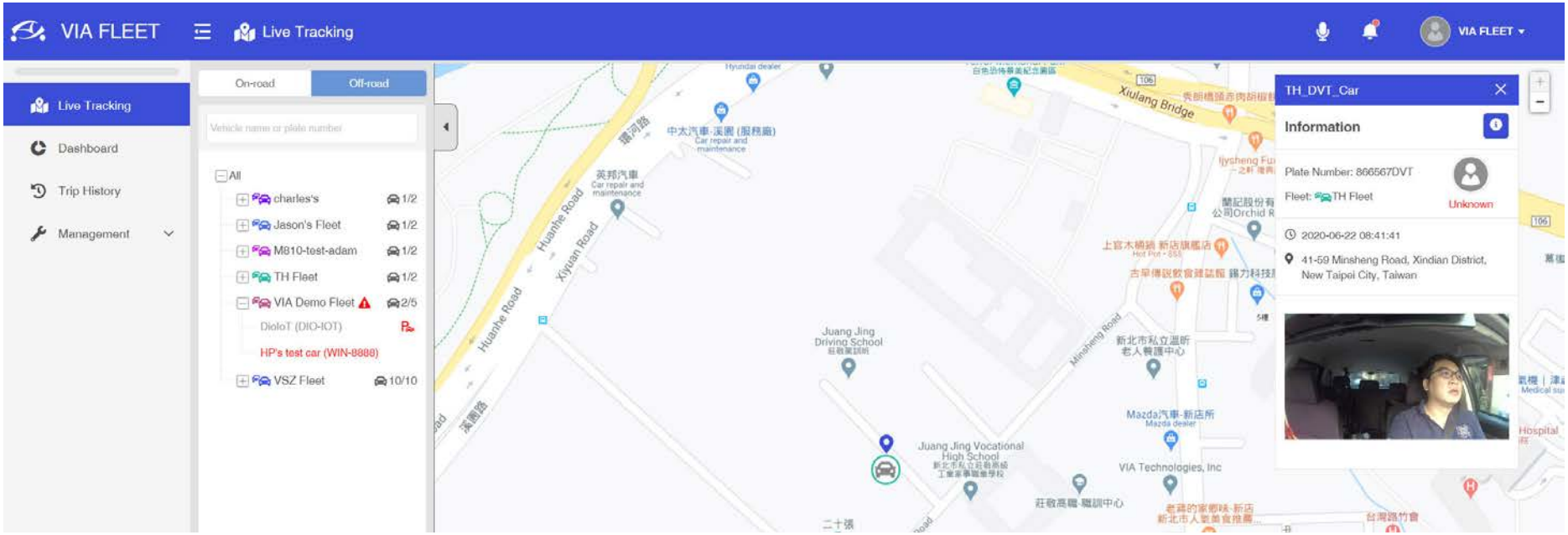


The information tab of the pop-up window displays current trip information about the vehicle including:

- Vehicle name along the top bar
- Vehicle license plate number
- Fleet group the vehicle belongs to
- Current driver - The driver's name will appear if driver QR code/Face ID was scanned, otherwise it will display "Unknown".
- Current speed and location
- Image captured by the VIA Mobile360 Series device after the QR code scan
- " " Initiate 2-way communication button with the vehicle

Note:
KVS streams are optimized at resolutions of 640px x 480px @ 15fps to ensure smooth playback. VIA Mobile360 D700 devices allow both cameras to be viewed simultaneously while VIA Mobile360 M800 and M810 systems allow a single camera to be viewed at a time.

Selecting the "Off -road" tab will display the list of vehicles currently not active. Selecting a vehicle in the list will display its last known location as well as information about its last trip. Vehicles with a "Parking Alert" will also be indicated in the list with the following icon " ". Trips with unregistered drivers will be marked in red text.

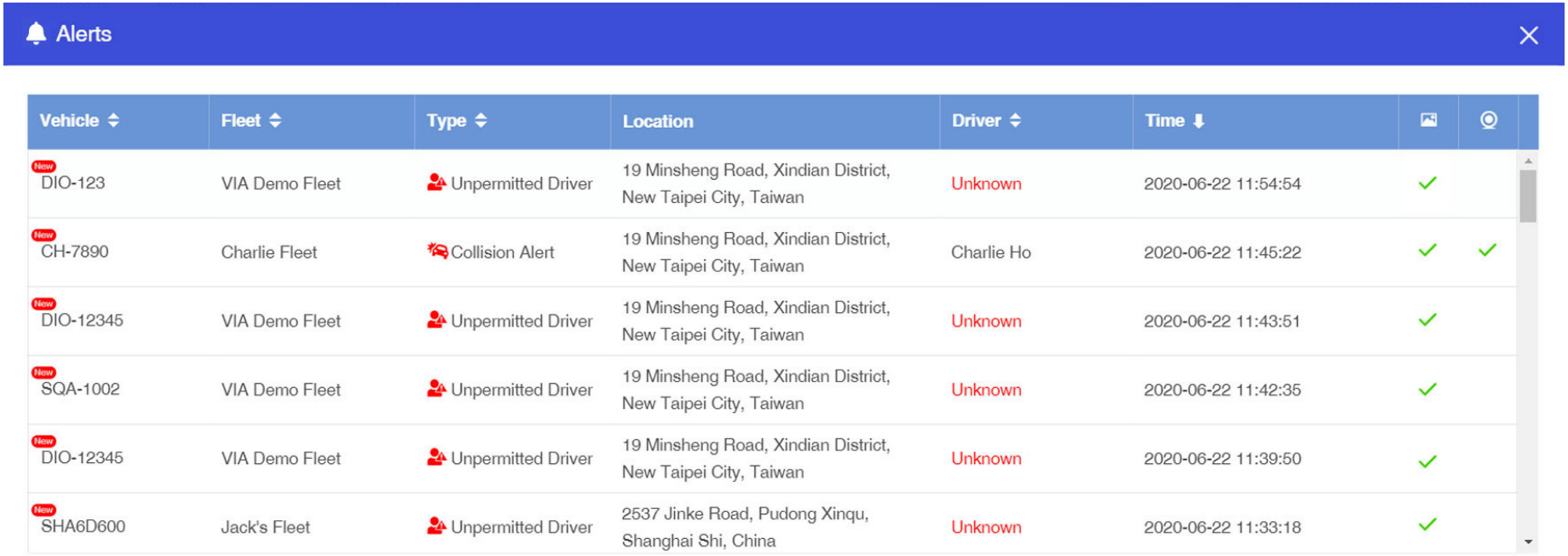


1.7 Alert Notifications

When an alert is sent from a VIA Mobile360 Series device to the VIA Fleet Cloud Management platform, the " " alert icon in the top bar will show a red dot to indicate a new alert has been sent. Alerts sent within the past 24 hours will be kept in the list.

Clicking on the alert icon will pop-up a window showing the list of alerts for that day including the vehicle, fleet, type of alert (Collision, Driver, Parking, Unpermitted Driver), location, driver, and time of each alert. Clicking on the location will go to the "Alert" section of the "Trip History" page, where the vehicle will be automatically selected and alert videos will be displayed on the far right hand side.

An alert icon " " will be displayed beside the fleet in the list on the left-hand side of the "Live Tracking" page. Clicking on a vehicle will display a pop-up window on the right-hand side of the screen, with more alert information and videos.



Note:
When a Collision, Driver, Parking alert is first sent, snapshots from each camera on the VIA Mobile360 Series device will be sent along with the alert information. Videos will be added after being uploaded to the VIA Fleet Cloud Management Portal.

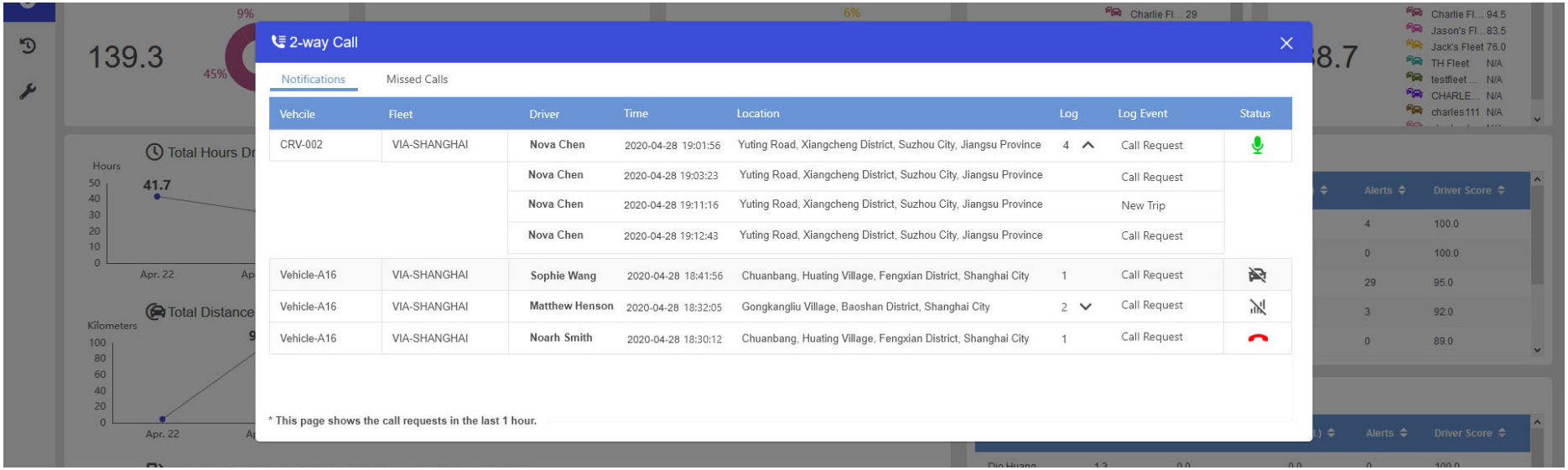
1.8 2-Way Calling Notifications

VIA Mobile360 Series devices allow for 2-way calling between a driver and the fleet management center.

When a driver does a long press on the short record/2-way call alert button, a message is sent to the VIA Fleet Cloud Management Portal. In the top menu bar, the 2-way call " " icon will show a red dot beside it to notify a driver request has been sent.

Clicking on the 2-way call icon will pop-up a window showing the list of requests sent by drivers. There are two tabs in the pop-up window, one for "Notifications" which shows requests sent in the past one hour and another for "Missed Calls", which will keep all unanswered requests within the past 24-hours.

Detailed information for each request includes the vehicle, fleet, driver, time, location, log, log event and status of the request.



The "Log" and "Log Event" fields will indicate if a driver made multiple calls that were not answered, as well as notify if a new trip has started, to check if the same driver is in the vehicle.

If a driver makes a new call before their previous one is answered, the time will refresh to keep it in the notification tab for an additional hour.

The "Status" field provides the status of the vehicle's VIA Mobile360 Series device represented by the following icons:

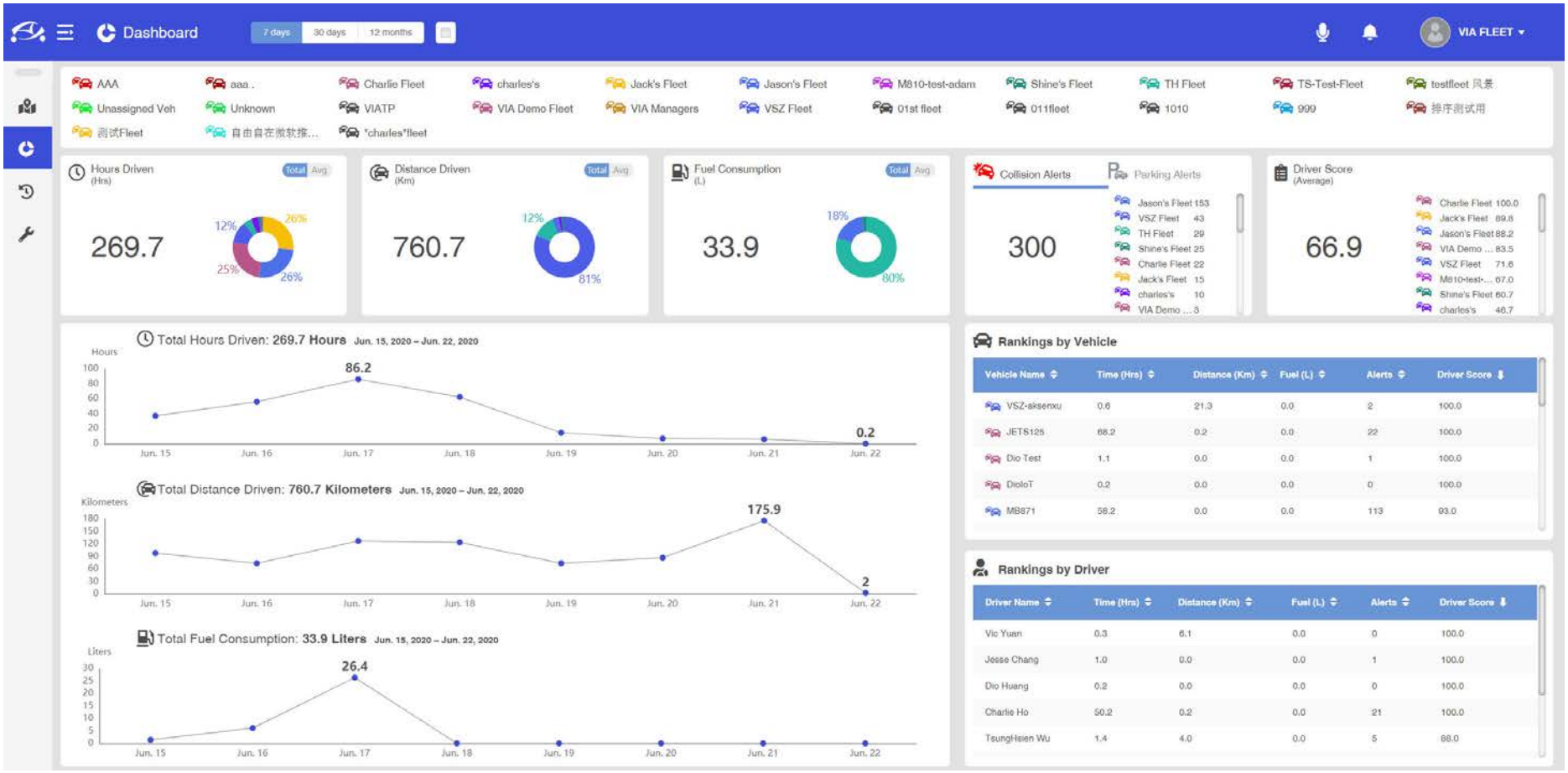
- - Indicates the vehicle is on-road and has 4G connectivity. Clicking on the icon will initiate a call with the driver.
- - Indicates a call has been initiated with the driver. Clicking on the icon will cancel the call.
- - Indicates the vehicle has lost 4G connectivity and is unavailable to receive a call.
- - Indicates the vehicle is off-road and unavailable to receive a call.

After initiating a 2-way call with a listed driver, a status bar will appear in the top menu bar indicating the connection is being established. Once connected, the registered driver's name will be shown. Managers can navigate to other sections of the VIA Fleet Cloud Management Portal while talking to the driver. Clicking on the red phone icon " " will end the call.

If a microphone icon " " is displayed on the "Live Tracking" page beside a listed vehicle on the left-hand side of the page, select the vehicle and in the pop-up window, click on the microphone icon to initiate a 2-way call with the driver.

1.9 Dashboard

The "Dashboard" page of the VIA Fleet Cloud Management Portal displays a summary of all relevant data collected to provide an overview of the fleet history. Statistics can be filtered by the last 7 days / 30 days / 12 months, or by a user defined range.

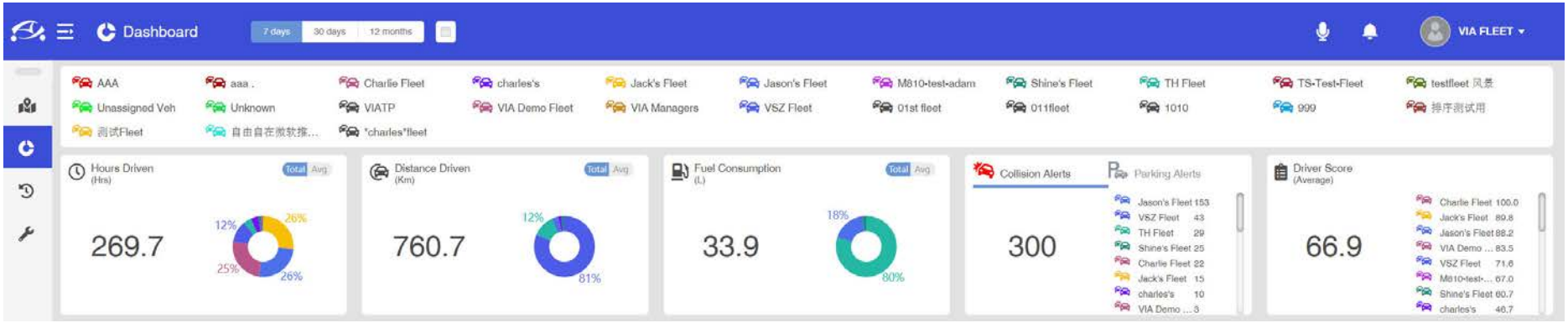


Under the top menu bar, a list of all fleet groups created, and the corresponding color code is displayed.

Beneath this are five sections which display key statistics for all vehicles and for each fleet group including:

- Hours Driven - Total and average for the range selected.

- Distance Driven - Total and average for the range selected.
- Fuel Consumption - Total and average for the range selected.
- Collision Alerts / Parking Alerts - Total number of alerts for the range selected.
- Driver Score - Average driver score for the range selected.



Beneath this to the left are 3 line charts displaying total hours driven, total distance driven and total fuel consumption for the time period selected. This provides an easy way to see trends in the key metrics for the entire fleet.

To the right of the line charts are two tables showing rankings by vehicles and drivers for the period selected. To filter by any of the categories, click the arrow icons beside the column headings in the table. Clicking the section title will pop-up a full-page view with complete rankings.

Note:
The "Driver Score" is calculated for each trip with a maximum score of 100. Deductions will occur when driving events are triggered (DSS, FCW and G-Sensor events) and are weighted according to how many are active on the device. The final score takes into account the total distance and duration of the trip. For example, a trip that has a higher distance will have a higher score compared to a shorter trip with the same number of events triggered.

1.10 Trip History

The Trip History page of the VIA Fleet Cloud Management Portal is convenient for reviewing trips that were logged. The first drop-down field in the top menu bar allows filtering by alerts, driver, fleet or vehicle category.

1.10.1 Search Filters

After selecting a category, filters in the second drop-down field of the top menu bar allow further filtering as described below.

- Alert - Filter history by collision, driver, parking, unpermitted driver, or all alerts for all registered vehicles.
- Driver - Filter history for a specific driver or all unknown driver trips.
- Fleet - Filter history for an entire fleet.
- Vehicle - Filter history for a specific vehicle.

Note:
For trips to be associated with drivers, a driver must register for the trip with either a "Driver QR Code" or "Face ID" to get registered on the VIA Mobile360 Series device when it boots, as described in section 1.3.5. If no driver was registered for a trip, they will be classified as an "Unknown" in the list.

Next, select the time range for which information is required. After selecting search filters for alerts and time, the calendar will display days that have trips and alerts recorded.

Calendar Legend:

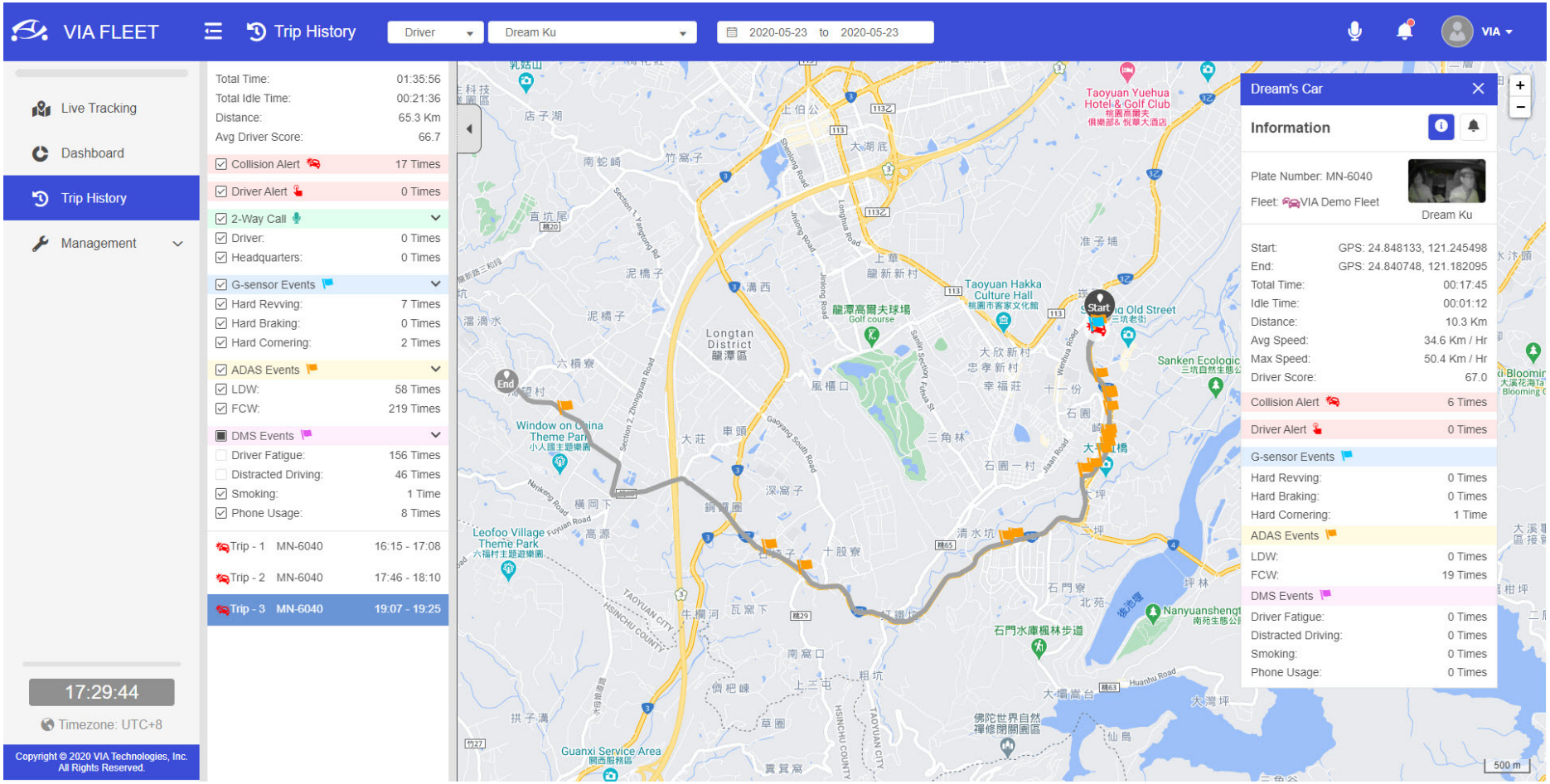
- Days with Trips - Days with trips are designated with a grey circle behind the date: " 02 "
- Days with Alerts - Days with alerts are designated with a red circle around the date: " 04 "
- Current Selection - The current day selected is designated with a blue circle behind the date: " 17 "

After selecting a day, the aggregated statistics for all trips driven on that day will be displayed beneath the calendar, including:

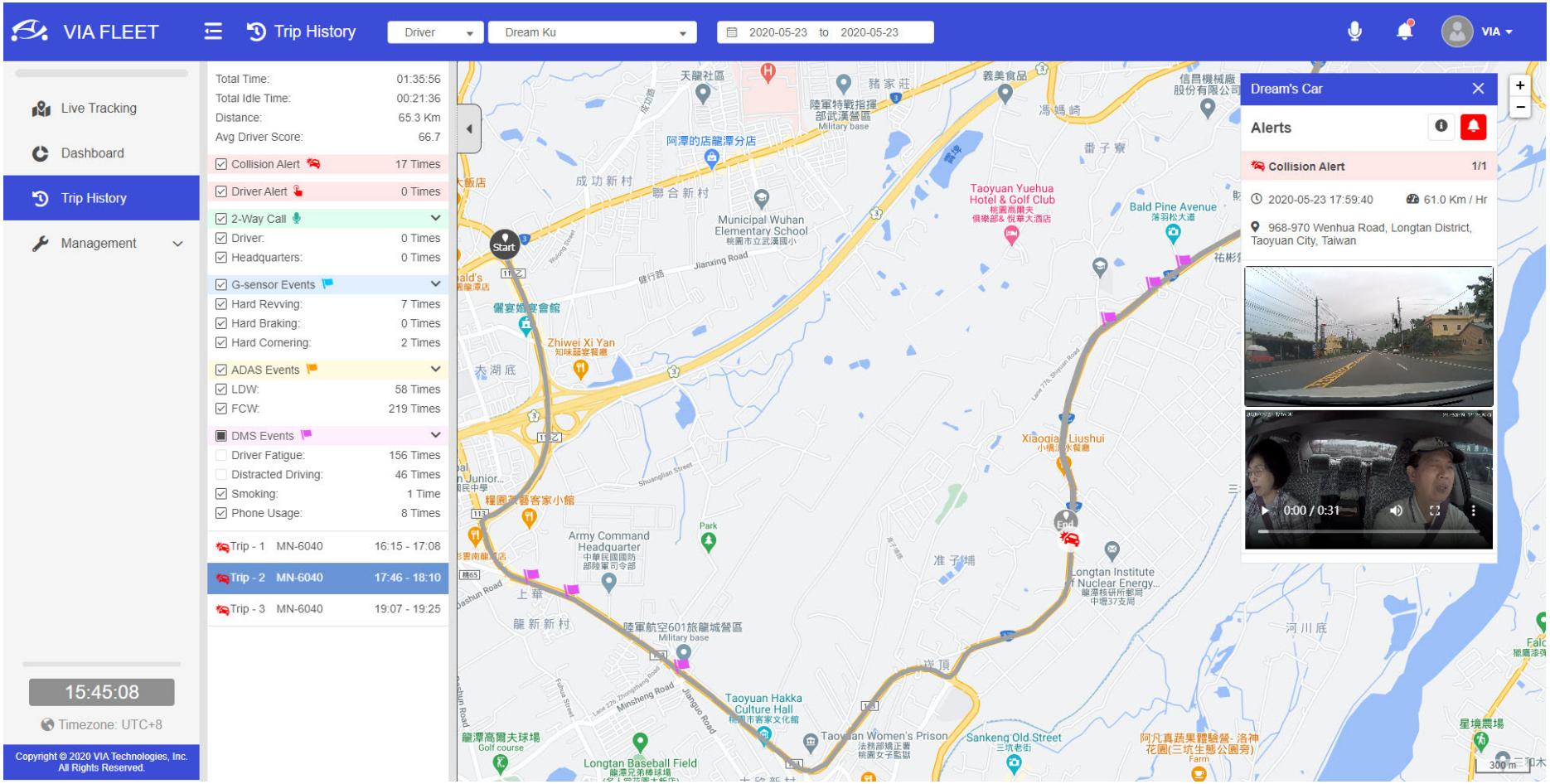
- Total Time - The total driving time.
- Total Idle Time - The total idle time.
- Distance - The total distance driven.
- Average Driver Score - The average driver score for all trips on the selected day(s).
- Collision Alert - The number of collision alerts on the selected day(s).
- Driver Alert - The number of driver alerts (generated by with a short press on the device by the driver) on the selected day(s).
- Parking Alert - The number of parking alerts on the selected day(s) (only shown for vehicles).
- 2-Way Call:
  - Driver - The number of call requests triggered by a driver.
  - Headquarters - The number of calls to a driver.
- G-Sensor Events:
  - Hard Revving - The total number of hard revving events.
  - Hard Braking - The total number of hard braking events.
  - Hard Cornering - The total number of hard cornering events.
- ADAS Events:
  - LDW - The total lane departure warning events.
  - FCW - The total forward collision warning events.
  - BSD - The total blind spot detection events.
- DSS Events:
  - Driver Fatigue - The total number of driver fatigue events.
  - Distracted Driving - The total number of distracted driver events.
  - Smoking - The total number of smoking events.
  - Phone Usage - The total number of phone usage events.

Note:
If a statistic or AI feature is not available for a VIA Mobile360 Series device installed in a vehicle driven on that day, the field will not be displayed.

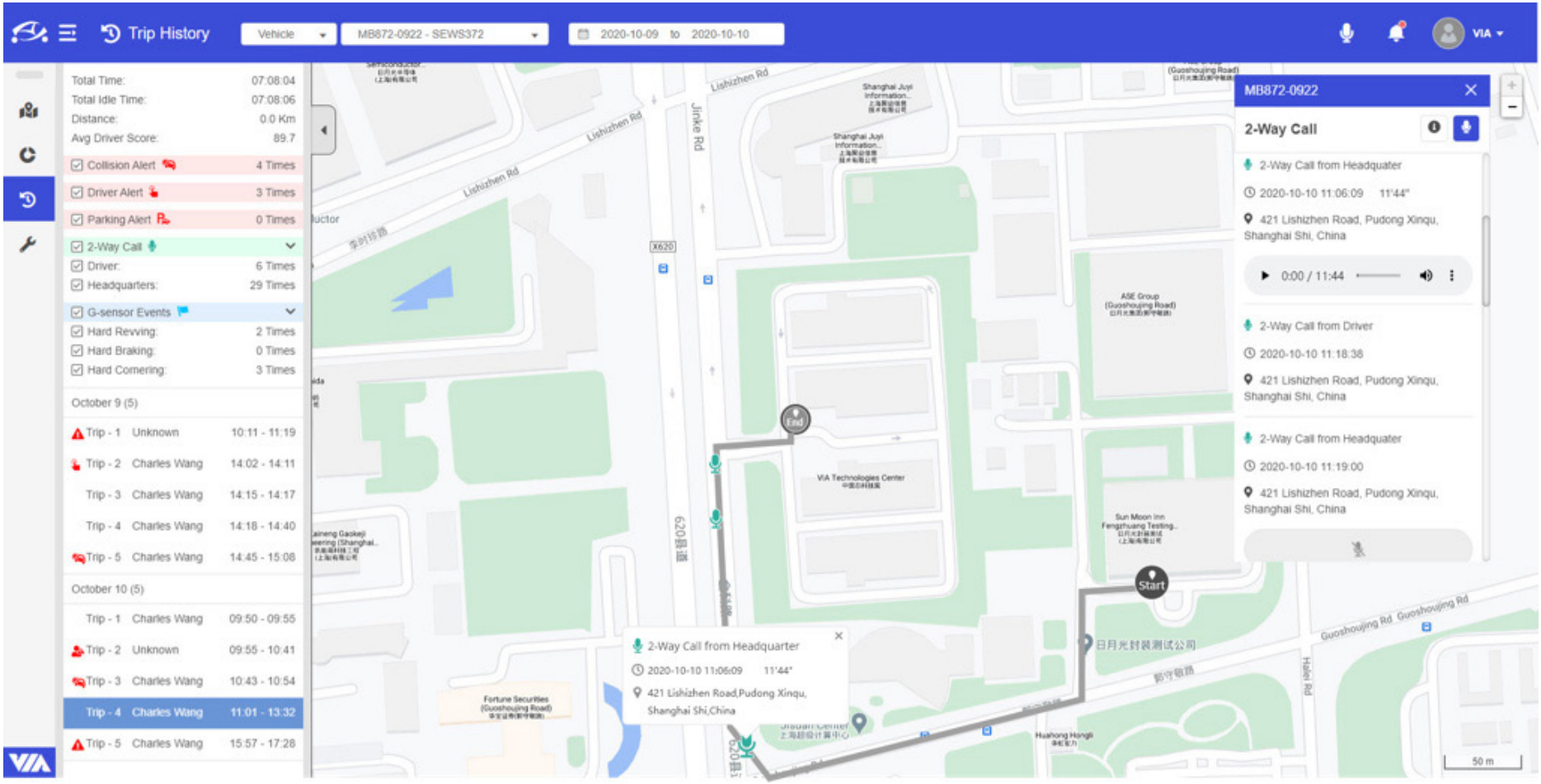
Beneath the daily summary statistics is an ordered list of all individual trips, including the vehicle license plate number/driver name, and the time of the trip. By default, the first trip will be selected, and the route will be shown on the map with a pop-up window on the right-hand side of the screen showing the specific statistics for that trip. Also displayed on the route will be flags where " " Collision Alerts, " " Unpermitted Driver Alerts, " " Parking Alerts, " " Driver Alerts, " " G-sensor events, " " ADAS events and " " DSS events occurred. These can be displayed or hidden by selecting or deselecting the check box beside the total in the daily summary statistics.



If there are collision or driver alerts in a trip, they will be shown along the route. Clicking on a collision or driver alert will bring up the video player pop-up window with recorded front and rear camera videos available for playback.

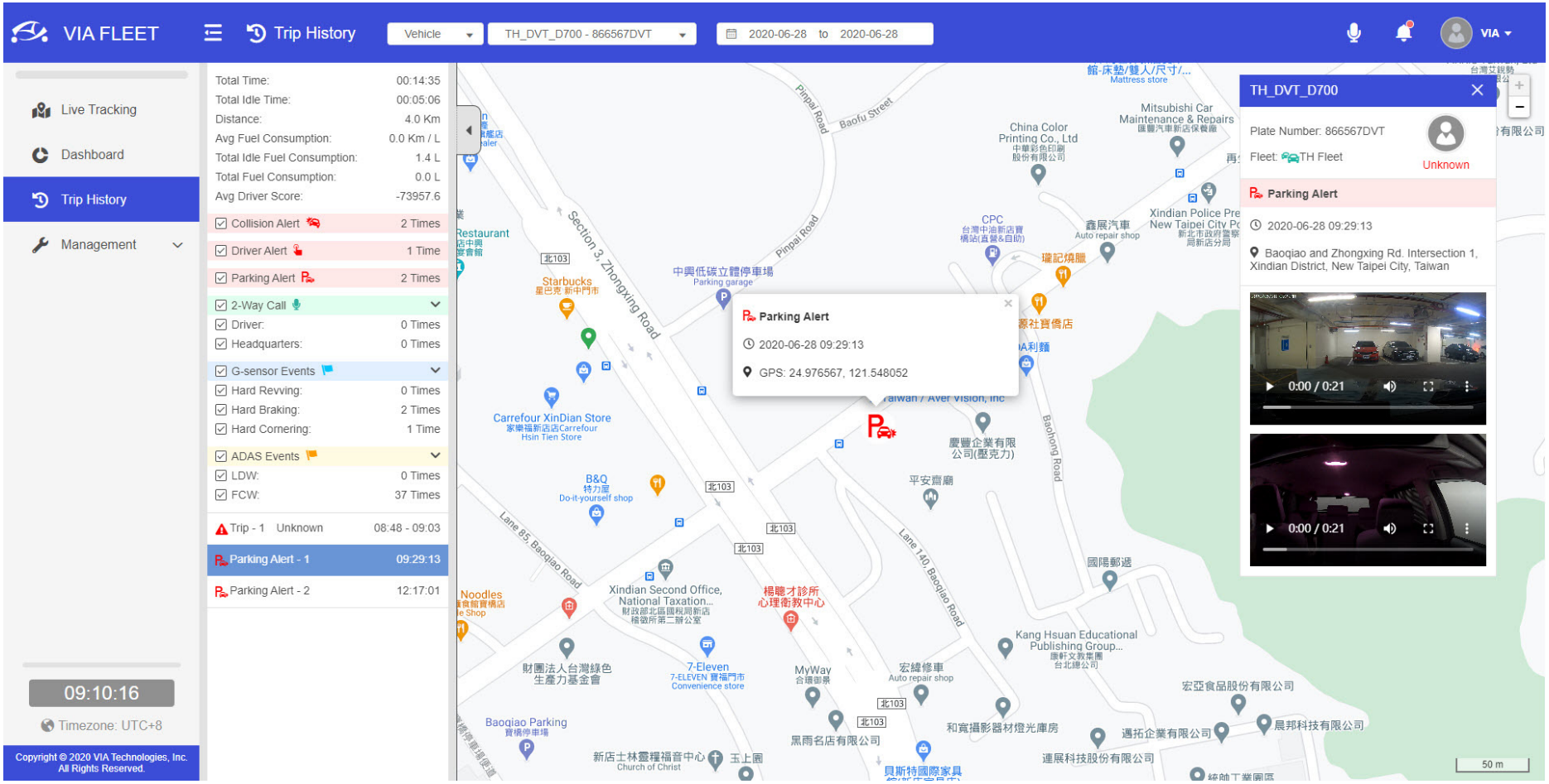


Trips with a 2-way call, either requested by the driver or initiated from the headquarters (recording of 2-way calls must be enabled in the settings), will show the 2-way call icon " " in the trip information window. Clicking on the icon will bring up a log of all 2-way calls. Press the play button to play back the recorded call.



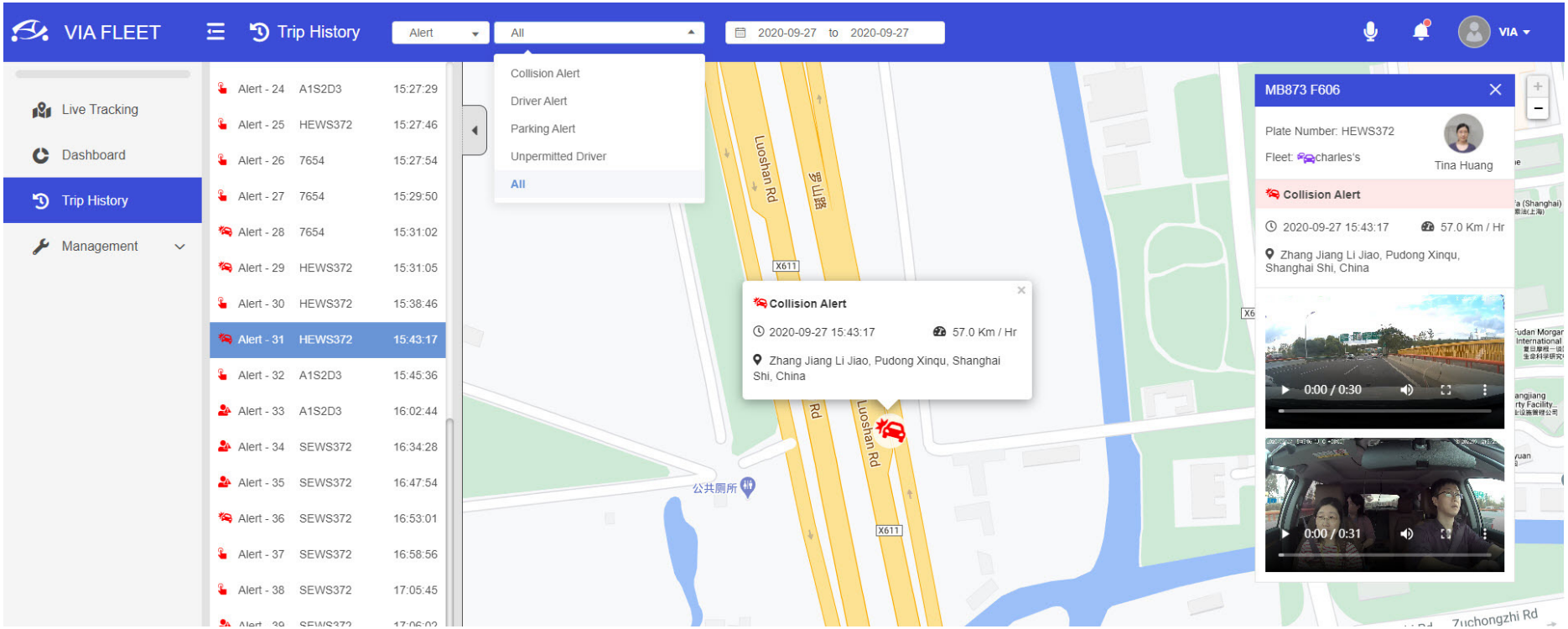
Parking alerts will be shown as a separate entry in the list of trips when filtering by vehicle. Clicking on a parking alert will bring up the video player pop-up window with recorded front and rear camera videos available for playback.

Example: "Parking Alert - 1"



1.10.2 Alerts

Select "Alerts" in the first drop-down menu of the top menu bar to filter alerts for all vehicles by Collision Alerts, Driver Alerts, Parking Alerts, Unpermitted Driver Alerts or All Alerts. Days with alerts will be shown in the calendar with red circles " 14 " around the date. The currently selected day will be shown with a blue circle " 04 " behind the date.

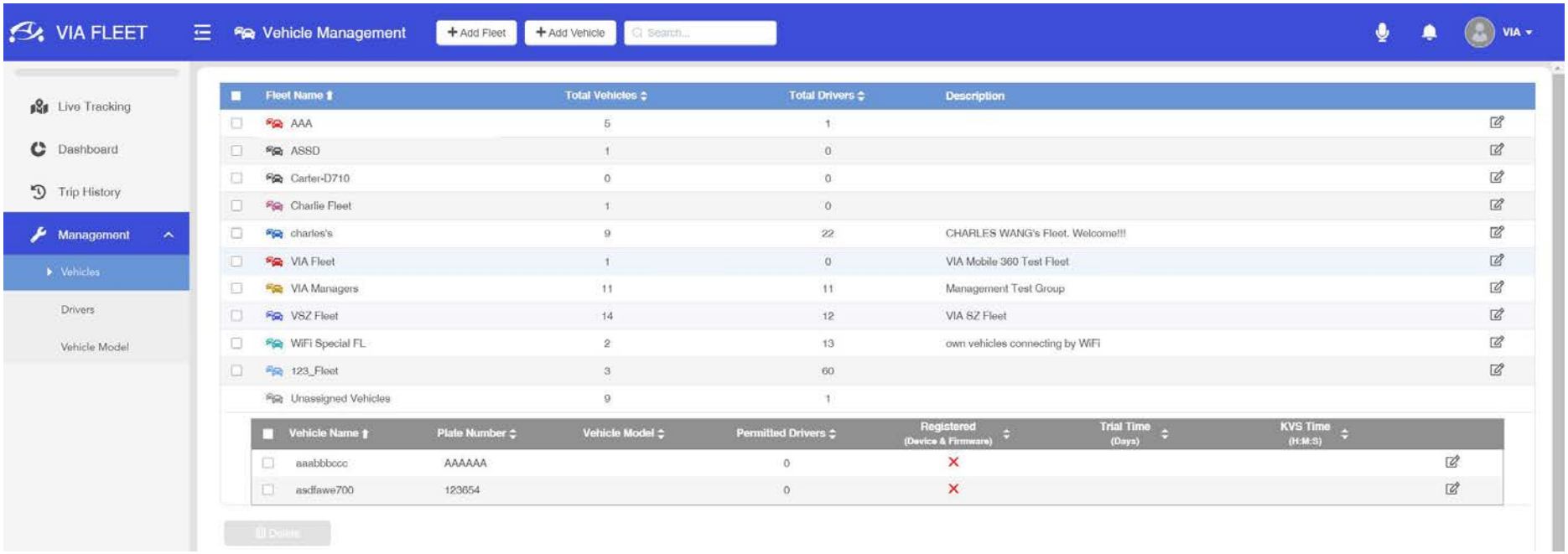


After selecting a day with alerts, a list of all recorded alerts will be displayed below the calendar with time and location of the alert. Selecting any alert from the list will display the location of the alert on the map with a pop-up window on the right side with details of the event, including vehicle, driver, time, location and speed at the time of the alert. Videos recorded by the front and rear (or driver) cameras are displayed beneath as shown in the image above. Clicking once on a video will begin playback while double-clicking a video will open it in full-screen.

1.11 Management

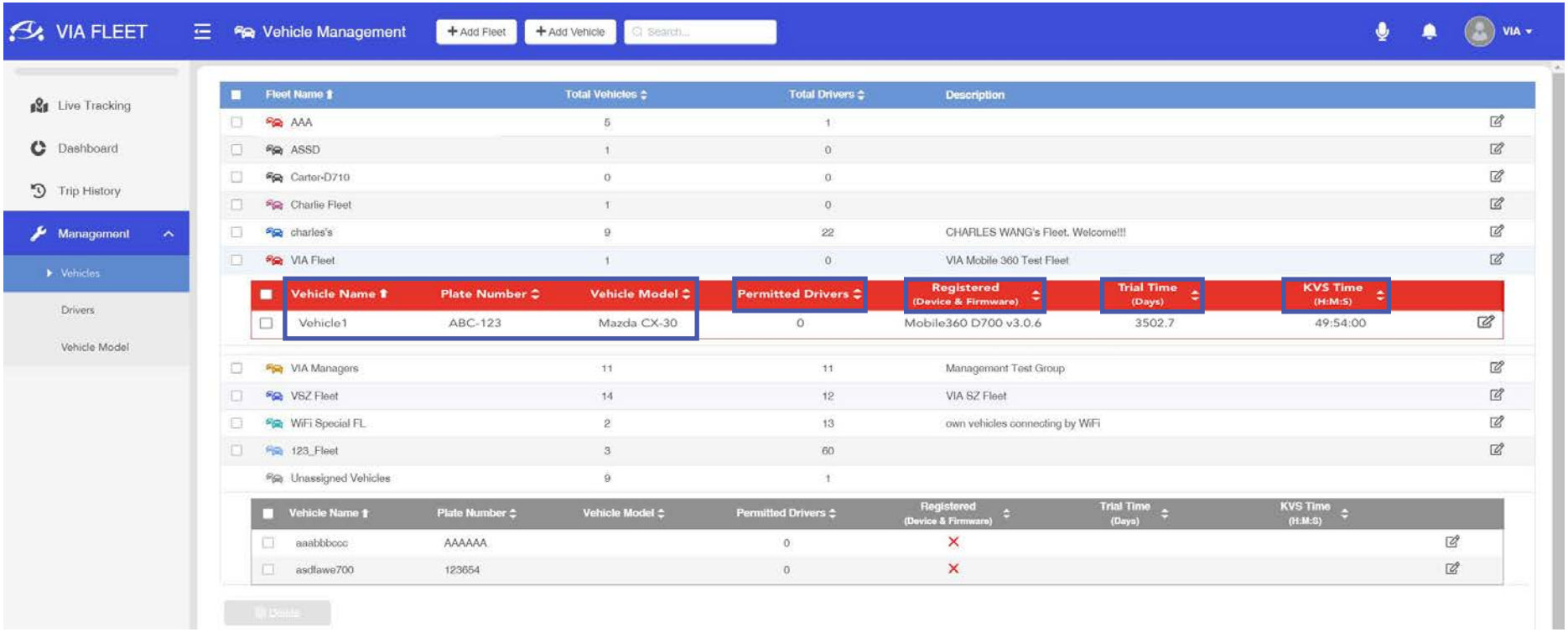
1.11.1 Vehicles

The "Vehicles" tab displays a complete list of all fleets created including fleet name, number of vehicles assigned to the fleet, total number of permitted drivers and a short description.



1.11.2 Registration Status and Trial Period Information

Clicking on an individual fleet expands the group and displays all assigned vehicles within the fleet. General vehicle information, number of permitted drivers, registration status (including which VIA Mobile360 device is installed and the current firmware version), AWS trial time remaining and KVS time remaining are displayed. Clicking a vehicle name displays detailed vehicle information.



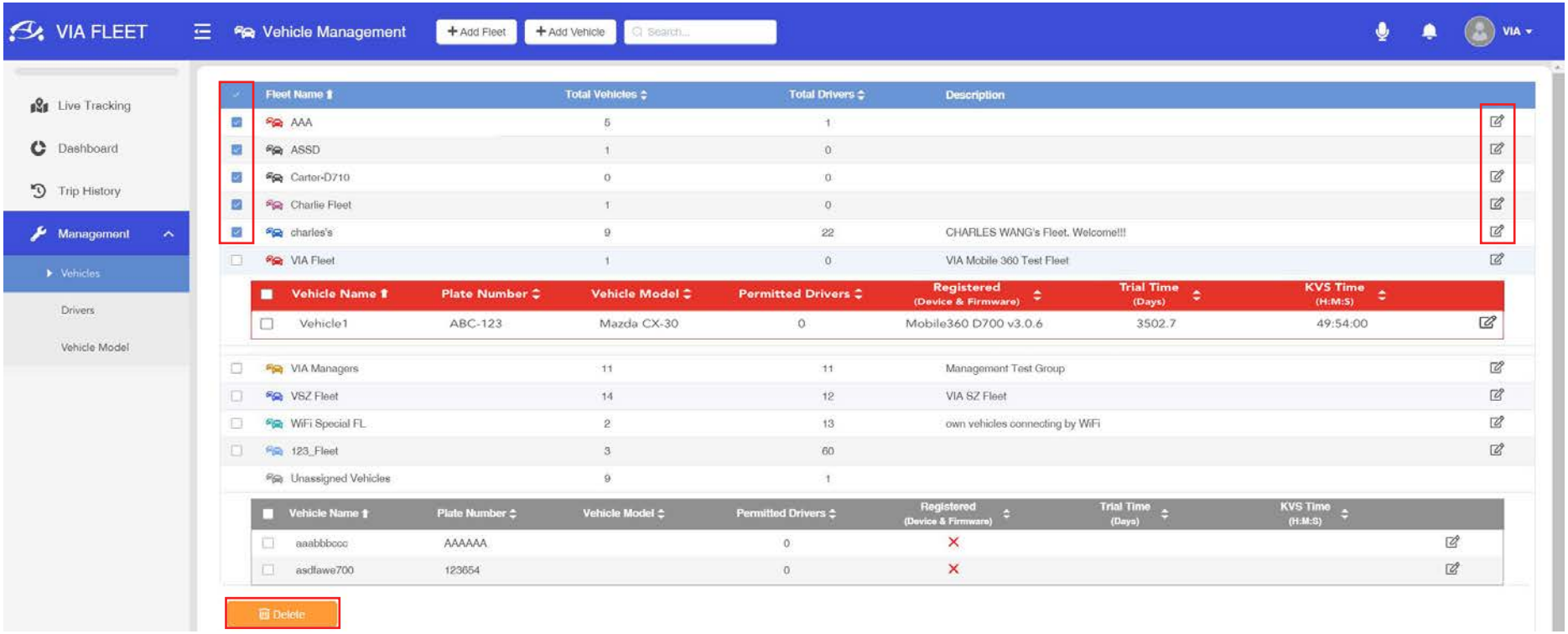
Note:
VIA provides a 30-day AWS trial period and 50 hours of KVS real-time streaming for each device.

Note:
When a KVS stream is enabled, the video stream stays alive for 3 minutes unless manually stopped, and auto-terminates to avoid forgetting to close the KVS function and wasting trial time.

1.11.3 Deleting and Editing Fleets and Vehicles

Vehicles or fleets can be deleted by checking the box to the left of the vehicle or fleet name and clicking " Delete " button to delete. To edit a vehicle or fleet profile, click " " on the right side of the screen.

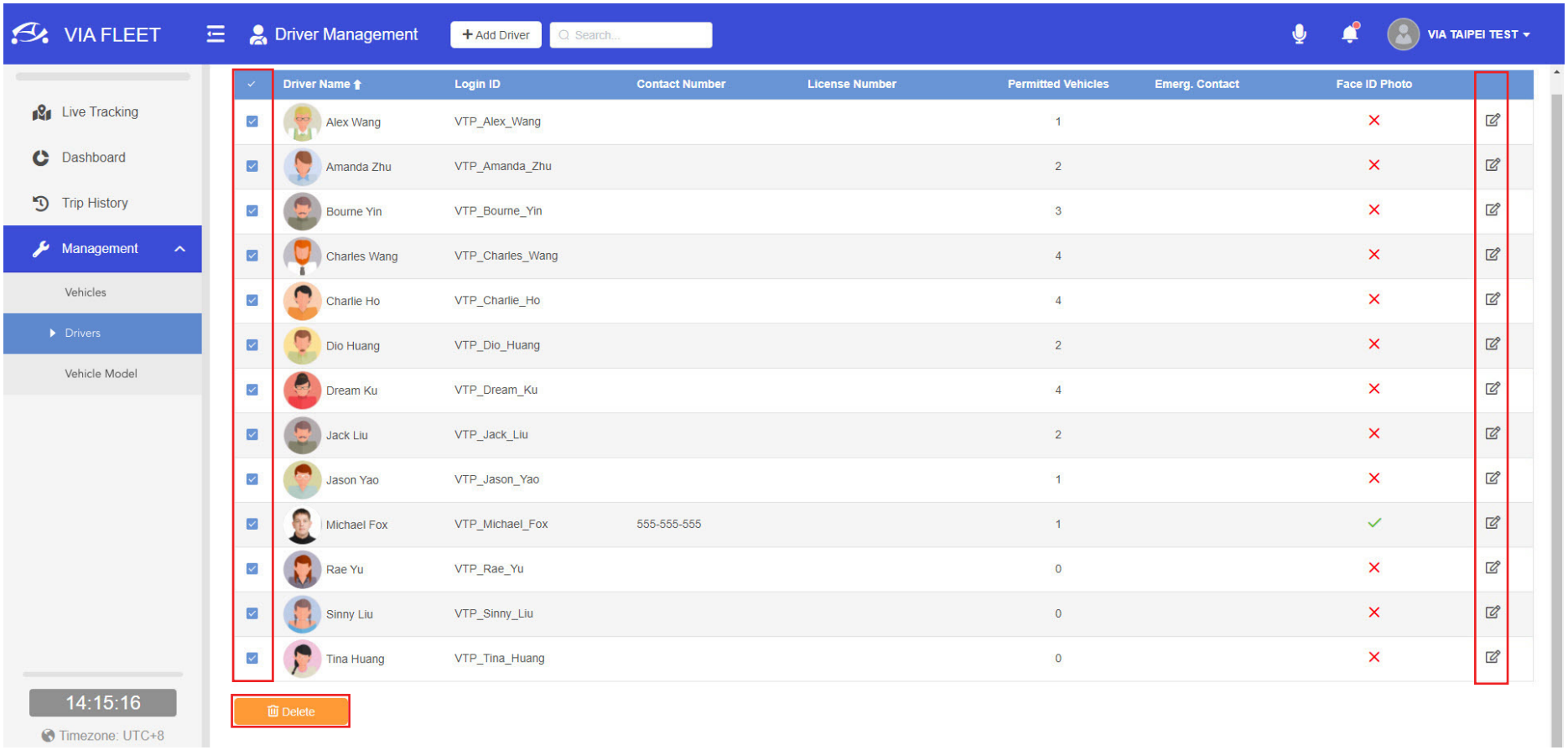
Note:
When deleting a fleet, the vehicles in the fleet will keep all information and be assigned to the unassigned vehicle group at the bottom of the list. When deleting a vehicle, all information will be removed.



1.11.4 Drivers

The "Drivers" page displays a complete list of all drivers including driver name, login ID, contact number, license number, number of permitted vehicles, the emergency contact, and Face ID photo upload status.

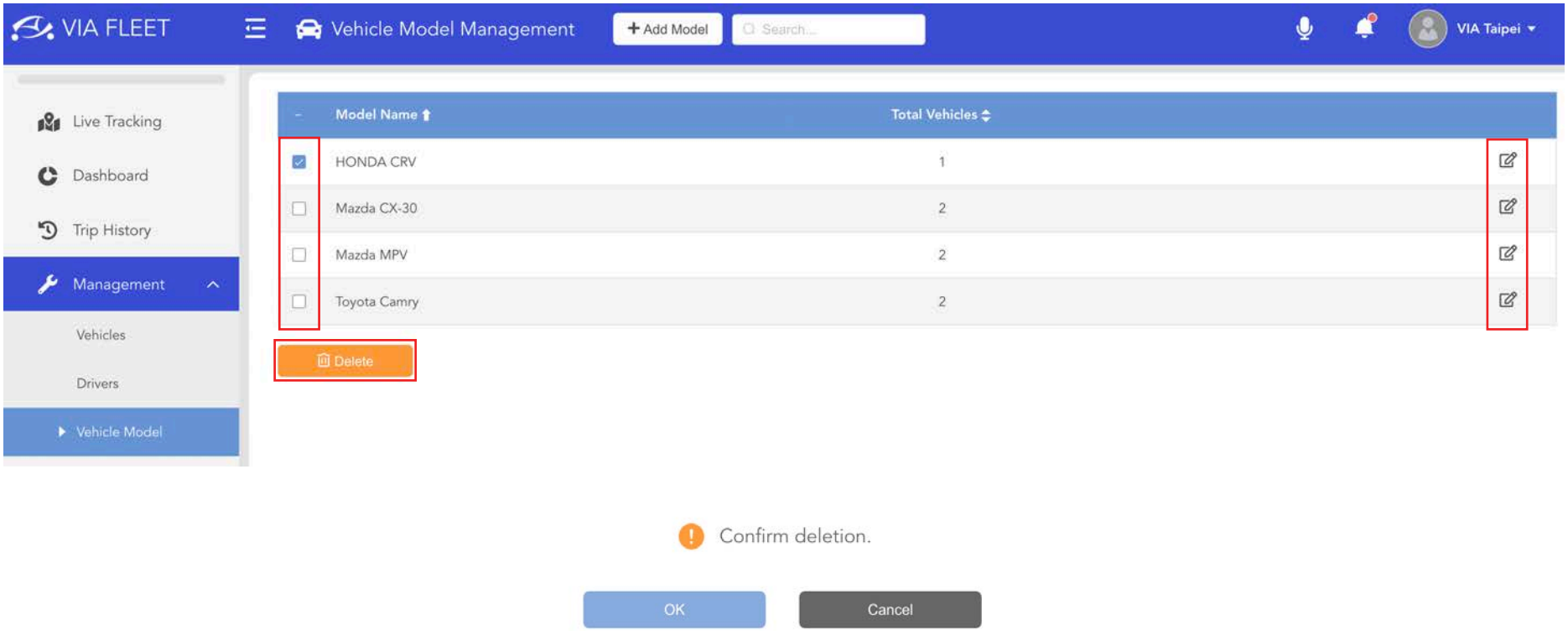
Clicking a driver name displays detailed driver information. To delete a driver profile, click the checkbox to the left of the driver's name and click the " Delete " button. To edit a driver profile, click " " on the right side of the screen.



1.11.5 Vehicle Models

The "Vehicle Model" page displays a complete list of vehicle models added across managed fleets, including total number of vehicles registered per vehicle model. Vehicle models can be added and linked to vehicles to speed up the vehicle registration process.

Click a vehicle model name to view its information. To delete a vehicle model, click the checkbox on the left of the vehicle model name and click the " Delete " button. A pop-up window will open to confirm deletion of the vehicle model and to inform that associated vehicles will be dissociated. Click "OK" to confirm deletion.



To edit a vehicle model profile, click " " on the right side of the screen.

Note:
After deleting a vehicle model, it is recommended to create a new vehicle model and associate affected vehicles with it.

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