



SETUP GUIDE

Setup your Revvo portal & hardware
to start getting real time insights.



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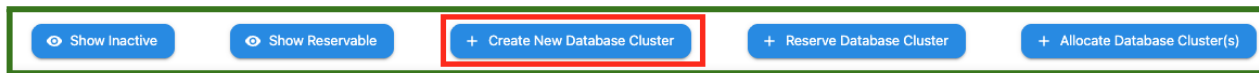
Setup



Revvo Portal Creation

The Revvo Portal (Revvo dashboard) is created by a Revvo Internal Admin. To create a portal go to tracking.revvo.ai

Create a new Revvo Dashboard by selecting “Create New Database Cluster”



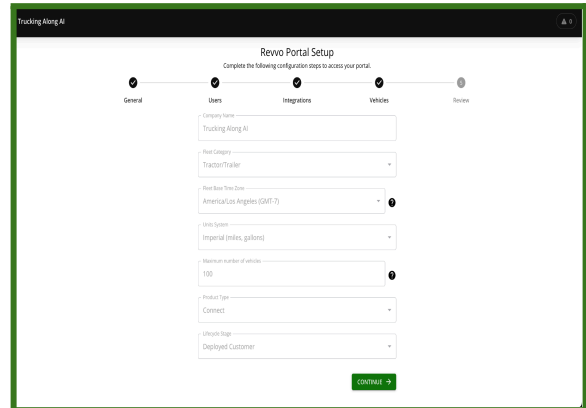
Enter Fleet information to initiate portal creation:

- Fleet Display Name
- Revvo Environment Key (can not be changed after)
- Domain- Customer Facing
- Fleet Admin Email (optional)
- Cluster Type
 - Enterprise Production- (Production)
 - Enterprise Aggregate (Global View)
- Fleet Category: Type of fleet

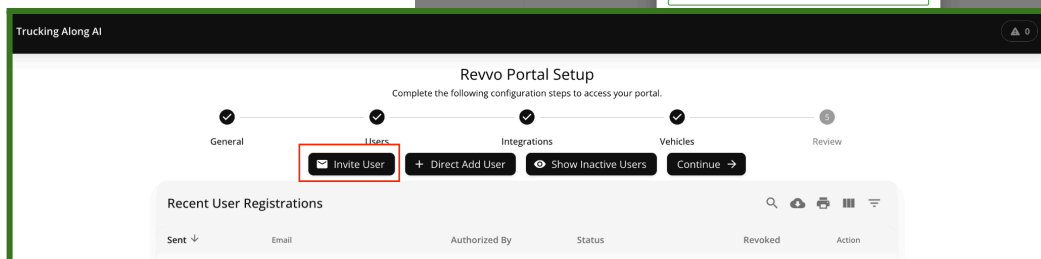
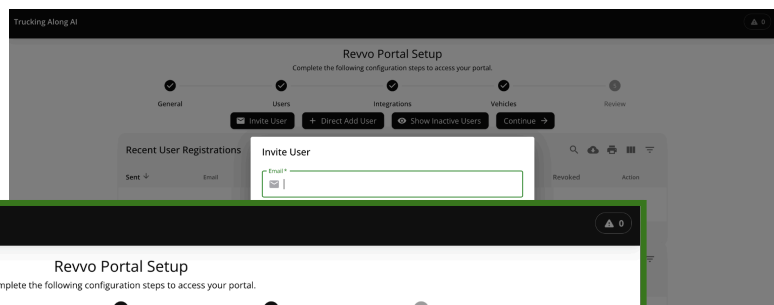
Select “Create” to initiate “Revvo Portal Setup Wizard”

Complete the following configuration steps to access the Revvo Dashboard:

- General (Required)
 - Company Name
 - Fleet Category
 - Fleet Base Time Zone
 - Units System
 - Maximum # of Vehicles
 - Product Type
- Lifecycle Stage

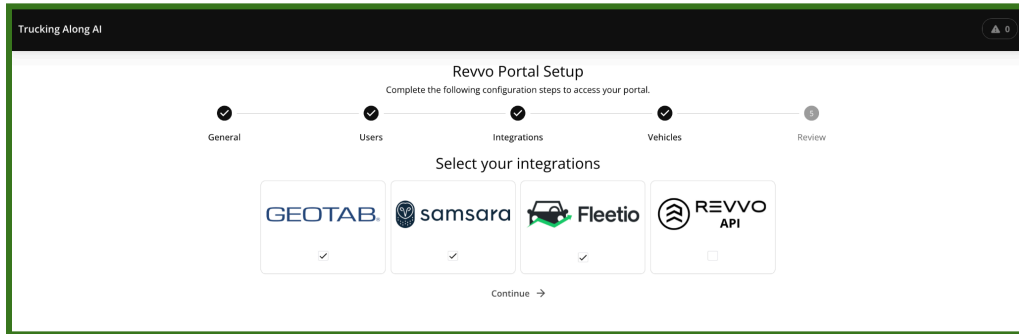


- Users (Required)
 - Select “Invite User”
 - Enter Email Address
 - Select Account Type: Fleet Admin, Exec, Technician, etc.

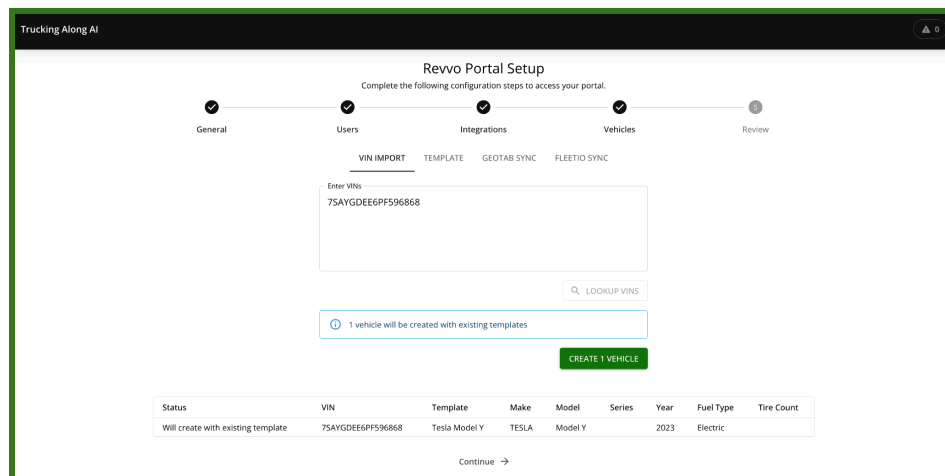


- Invite User
- Repeat for multiple users
- Continue to next step

- Integrations (Optional)

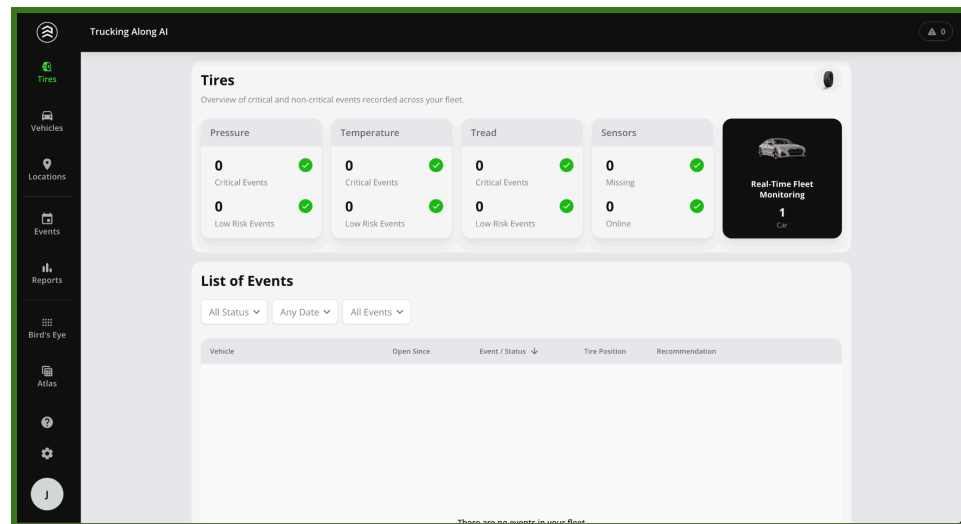
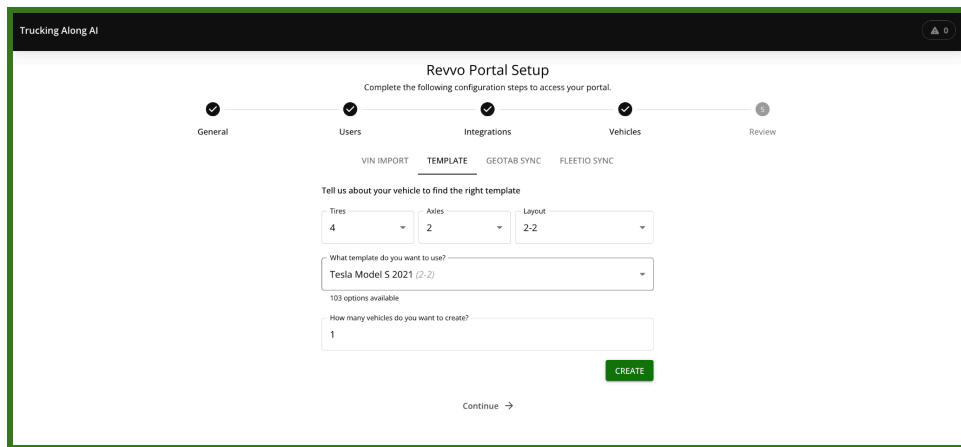
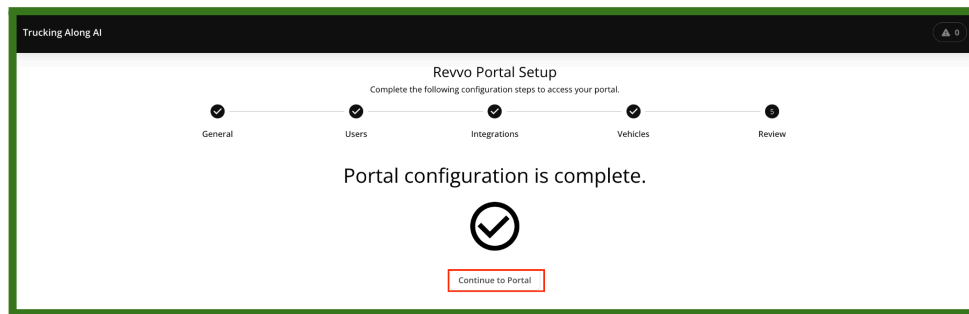


- Select Integration and follow steps in the Integration Guide for set up:
 - i. Geotab (IOX + GO9 + Pro Plus Plan Required)
 - ii. Samsara
 - iii. Fleetio
 - iv. Revvo API
 - Or Continue without integration
- Vehicles (Optional)
 - Create a Vehicle by: VIN Import
 - i. VIN
 - ii. Geotab Sync
 - iii. Fleetio Sync



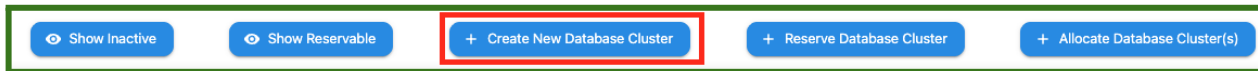
- Create A Vehicle By Template
 - i. # Tires/ # Axles
 - ii. Axle Layout
 - iii. Template Used (I.e Tesla Model S 2021)
 - iv. How many do you want to create?
 - Or Continue without Vehicle Creation
- Review

- Automatic Review
- Continue to Portal after completion



Global Portal View

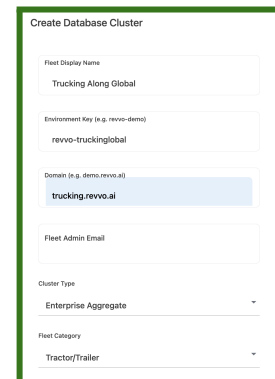
Fleets that have more than one location, may want to have a global view to separate their different locations. Alternatively, resellers may want to view multiple of the fleets they have signed up under one view. To do this, follow this steps:



Create a new Revvo Dashboard by selecting “Create New Database Cluster”

Enter the Global Fleet Information

- Fleet Display Name
- Environment Key: revvo-**nameofparentfleet**global
- Domain Name: Same as parent fleet domain
- Cluster Type: **Enterprise Aggregate**
- Fleet Type
- Create

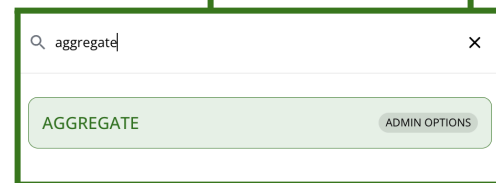
A form titled 'Create Database Cluster' with several input fields. 'Fleet Display Name' contains 'Trucking Along Global'. 'Environment Key (e.g. revvo-demo)' contains 'revvo-truckingglobal'. 'Domain (e.g. demo.revvo.ai)' contains 'trucking.revvo.ai'. 'Fleet Admin Email' is empty. 'Cluster Type' is a dropdown menu with 'Enterprise Aggregate' selected. 'Fleet Category' is a dropdown menu with 'Tractor/Trailer' selected.

Wait for Revvo Global Portal To be created (~15 mins)

Sign into Parent Fleet

Search for Aggregate options by using

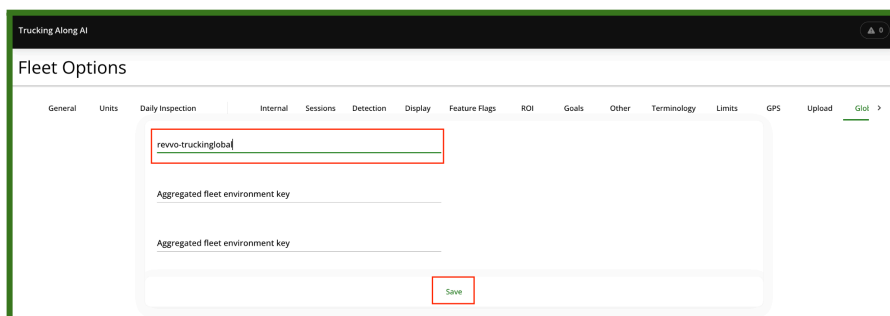
- CMD + K (IOS)
- Ac+cd (Microsoft)



Add Global Fleet Environment Key and select save

Wait 15 mins after saving for data to begin populating

NOTE To create Intermediate Fleets (Resellers)- Contact @engineering via slack

A screenshot of the 'Fleet Options' page in the Revvo dashboard. The page has a header 'Trucking Along AI' and a sub-header 'Fleet Options'. Below the sub-header is a navigation bar with tabs: General, Units, Daily Inspection, Internal, Sessions, Detection, Display, Feature Flags, ROI, Goals, Other, Terminology, Limits, GPS, Upload, and Glot. The 'General' tab is selected. In the 'General' tab, there is a text input field containing 'revvo-truckingglobal', which is highlighted with a red box. Below this field are two more text input fields, both labeled 'Aggregated fleet environment key'. At the bottom right of the form is a 'Save' button, also highlighted with a red box.

Integration Setup

There are multiple live integrations: Geotab, Samsara, Motive, Fleetio, and Revvo API.

Revvo LITE & Geotab Integration Guide



Revvo is an intelligent platform that optimizes automobiles' tire usage through a smart sensor installed in the tire, an easy-to-use interface, and AI-powered insights. The platform was created to minimize the guesswork that comes with tire management to keep drivers on the road. We know most drivers are not tire experts, so we developed an automated way to monitor and inform drivers on the status and predicted life of their tires. This User Guide contains the information to deploy, access, and use Revvo LITE. It will step you through these workflows:

- Setup, Deployment, and Usage
- Planning and Preparation

Solution Overview

Revvo LITE includes the Revvo Smart Tire platform connected to Geotab's existing tire data streams & reporting capabilities without any hardware installation.

Features include:

Planning and Preparation

- Notification of tire-related events and issues
- Ability to see tire pressure information from within the Geotab portal

Assumptions and Constraints

An installed TPMS solution is able to transmit tire pressure data to Geotab's diagnostics

Requirements and Prerequisites

Requirements

- Our supported browsers for displaying the Geotab Portal Add-in includes:
 - Chrome
 - Safari
 - Edge
 - Firefox



- We support the latest two versions of these browsers

Prerequisites: The Geotab user is authorized to purchase OrderNow products or has Administrator permissions in order to create a service account for Revvo to access data within Geotab.

Geotab Requirements

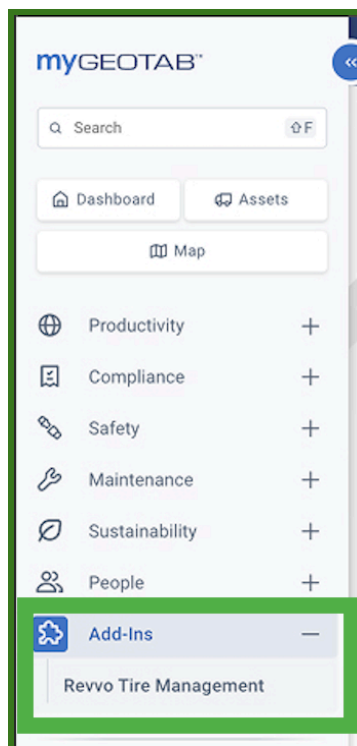
- Usage of the Revvo LITE product requires creation of a dedicated service account within the Geotab portal
- Usage of the Revvo LITE product requires a Geotab platform that contains tire data, at a minimum tire pressure data
- To use Revvo's portal add-in, users should have access to the Geotab portal
- To use Revvo's Geotab Drive add-in, users should have access to the Geotab Drive app

Setup and Deployment

These are the workflows required to implement the solution.

- Purchase & Install the Revvo LITE Tire Management Add-in
- Contact your Reseller to enroll vehicles through the Order Now enrollment process
- Confirm Configuration of the Revvo Tire Management Add-in
- Ensure vehicles are visible on Revvo Tire Management Add-in

Purchasing & Installing Revvo LITE through the Geotab Marketplace: Geotab users with Administrator permissions can purchase and install the Revvo LITE add-in through the Marketplace. Please reference the [Geotab Marketplace Order Now Partner Guide](#) for more details.



Once installed, the Revvo Tire Management Add-in will automatically be added to the customer's MyG dashboard.

Install the Geotab Portal Add-in

Contact your Reseller to enroll vehicles through the Order Now enrollment process

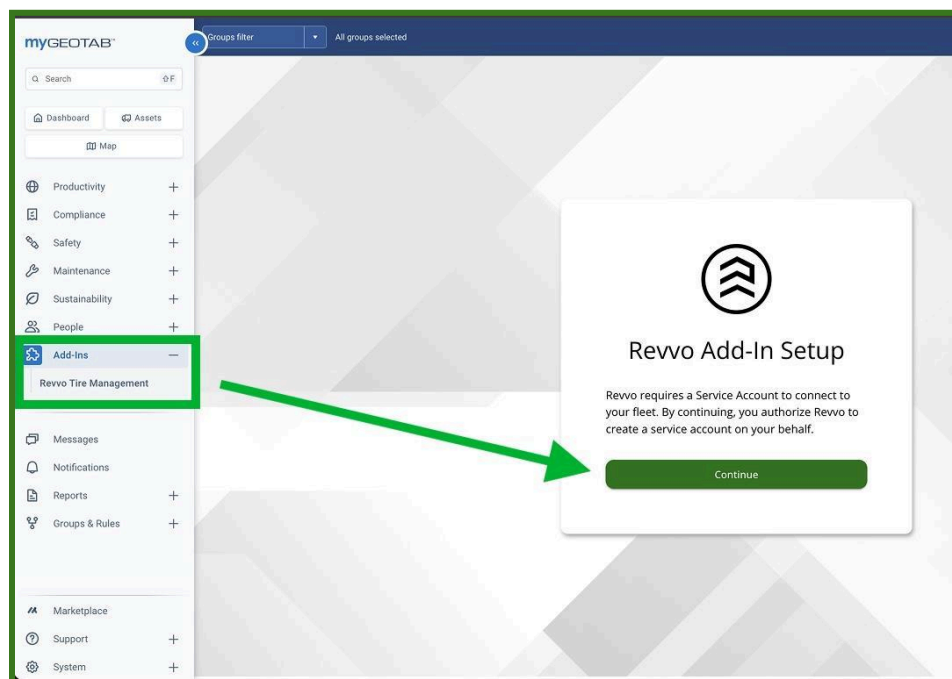
- Once vehicles are enrolled, then continue to the Revvo Tire Management Add-in

Follow these steps to install the Geotab Portal Add-In:

Open the Add-In. Log in to MyGeotab™ and navigate to left navigation panel.

- Click on Add-Ins > Revvo Tire Management.
- Click the Continue button to authorize a Service Account to connect your fleet

Once permissions are granted, the Revvo LITE dashboard will appear in MyG Dashboard. If some or all vehicles could not be synced, Revvo Support will be contacted automatically to resolve the issue.



Alert Flow

Alerts are triggered when thresholds are exceeded.

- Low Pressure: Any tire with a tire pressure below Low-Pressure Threshold
- Critically Low Pressure: Any tire with a tire pressure below Critically Low-Pressure Threshold
- Leak: Any tire losing pressure day over day accounting for normal increases
- Deflated: Any tire that has less than 10 PSI

To clear an alert, the tire must be inflated back to the vehicle's recommended COLD inflation pressure (RCIP).

Revvo & Samsara Integration Guide



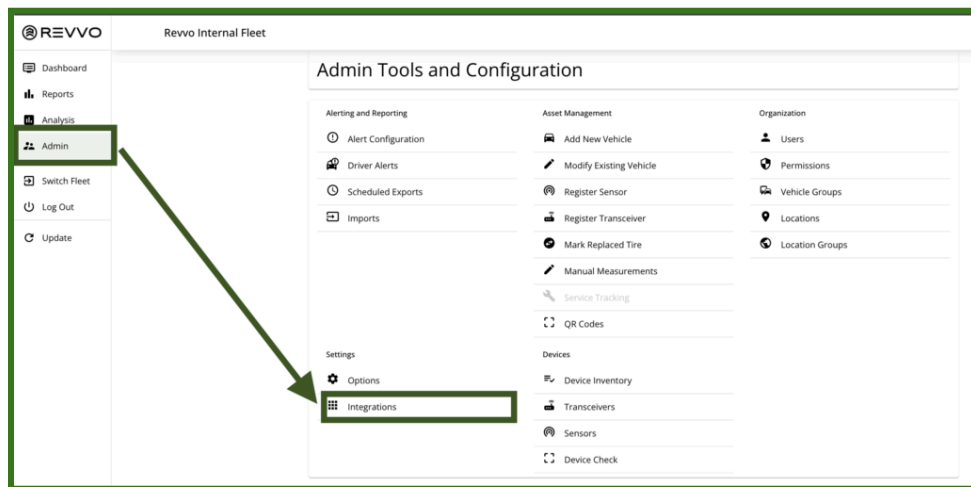
Setting up your Samsara Integration with Revvo

Revvo and Samsara's integration helps customers pipe critical tire data from Revvo's TireIQ directly into your Samsara Dashboard. Additionally, Revvo and Samsara have built out a deeper integration allowing drivers to receive alerts for any tire related events. There are custom integrations that can be enabled to pipe critical tire events directly to the Samsara Drive App assigned to an asset (Vehicle or Trailing asset).

Below are step by step instructions on how to enable Revvo tire sensor data, events and insights directly into your Samsara Portal as well as the Samsara Drive App.

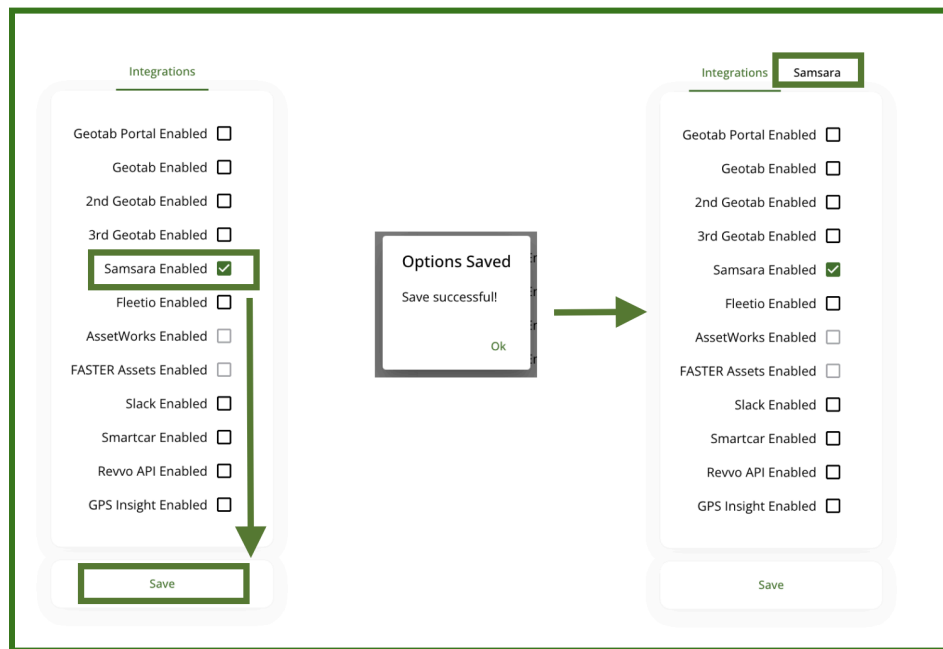
Adding the Samsara integration to your Revvo dashboard:

Log into Revvo, and navigate to Admin > Integrations:



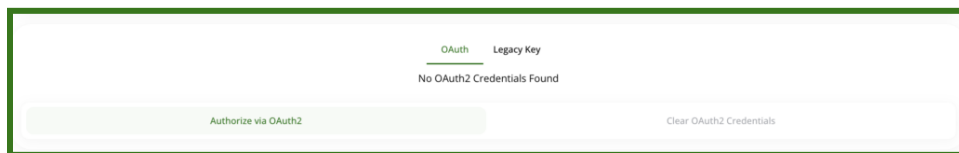
Select Samsara Enabled and then hit Save. When the confirmation message appears, Click OK.

A Samsara tab which will appear to the right of Integrations. Click on the Samsara tab to begin the integration setup.

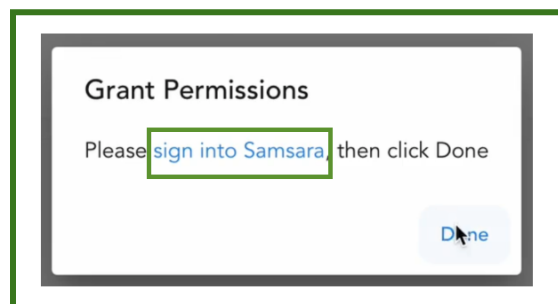


Once you click on the Samsara Integration Tab, select “OAuth” under the Credentials options.

Then click “Authorize via OAuth2”



To grant permissions, please select “Sign into Samsara”. A new tab in your browser will open and you will be prompted to enter your Samsara login information to authorize data access for Revvo.



Select Allow to confirm data access between Samsara and Revvo.

Revvo is requesting permission to access your Samsara data

Select the organization to provide access to:

Revvo Technology Inc Dev

This will allow Revvo to:

By approving, this application will have access to Personal Identifiable Information (PII). Proceed with caution when approving:

- Read Users

- Read Attributes
- Write Attributes
- Read Users
- Read Vehicles
- Write Vehicles
- Read Vehicle Statistics

Select which tags to restrict access to:

Entire Organization

In connection with my use of this integration, I agree to the terms of the [Samsara Data Import and Sharing Addendum](#).

Cancel Allow

A Samsara SSO success message will appear. Close the Samsara tab displaying the success message.

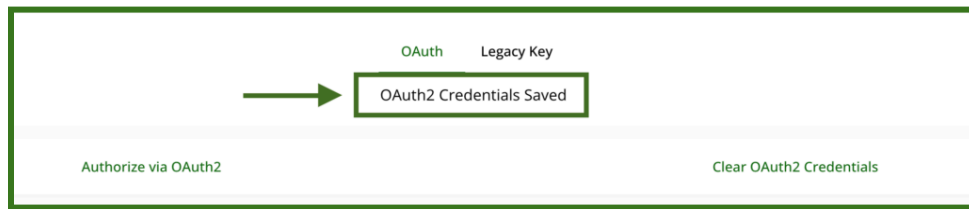
Back in your Revvo browser window where you started, close the Grant Permissions “Sign into Samsara” pop-up by selecting Done.

Grant Permissions

Please [sign into Samsara](#), then click Done

Done

Validate that below OAuth it now says “OAuth2 Credentials Saved” to confirm the integration was successfully linked.



Once the OAuth2 credentials are saved, you can now move on to customizing the integration between Revvo and Samsara. Below are the options available to customize the integration setup.

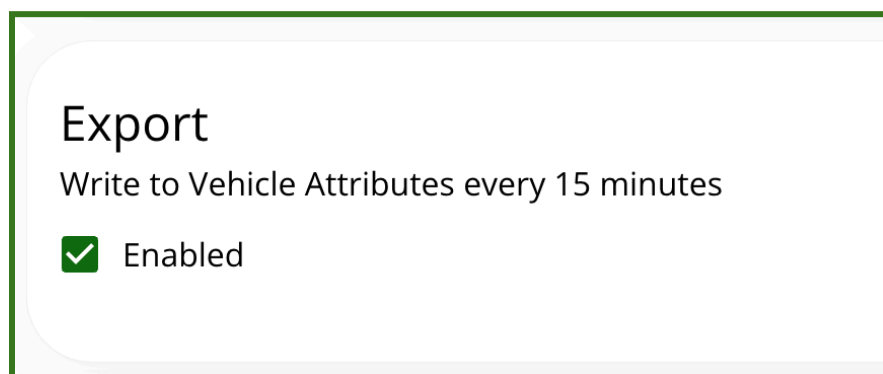
Customizing your Revvo/Samsara integration

- **Export Data:** This provides customers with the ability to export data and insights from Revvo to Samsara. For each asset, tire data and issues are displayed under the gateway's Attributes table.
- **Create DVIRs:** Tire related events can automatically be set up on behalf of the customer and driver, so that when tire related issues occur DVIRs are created for each issue on that asset.
- **Send Driver Messages:** Revvo customers can choose to send alerts to drivers so that they receive messages for tire related issues. Fleet Managers and dispatchers can choose which types of issues are created for both driver messages and auto generating DVIRs.
- **Revvo Notifications:** Tire related issues are called "Events" within Revvo and each type of event (i.e. Pressure, Tread, Temperature, Leaks) can be selected to create DVIRs and Driver Messages.
 - DVIRs will be listed under the corresponding asset within the maintenance tab within Samsara or under the DVIR section of the Samsara Drive App.
 - Driver Messages will be sent to the Samsara Drive App for the driver assigned to the vehicle/asset and appear in the messages tab of the App. If the driver is driving, the message will be converted to an audio message so as to not distract the driver.

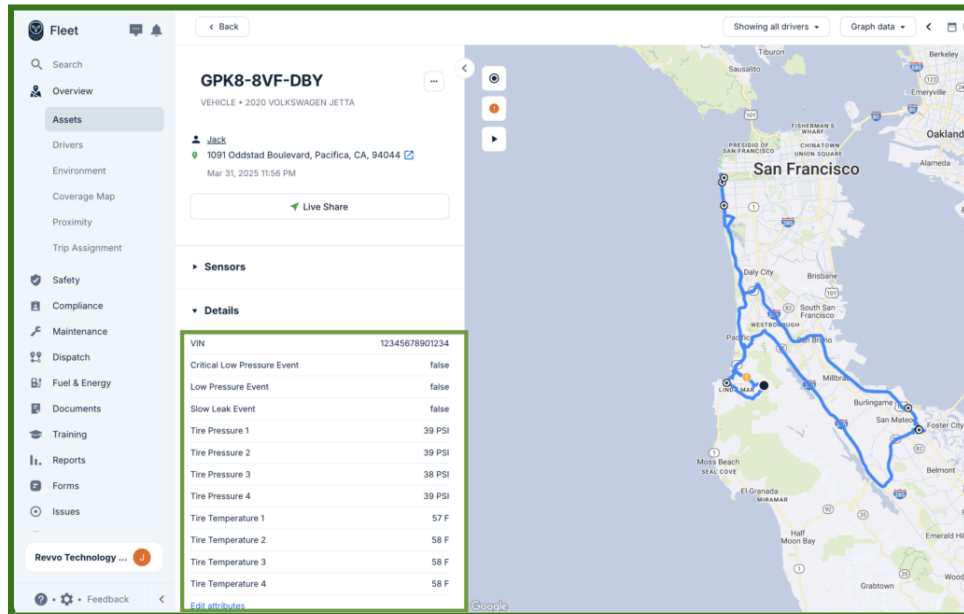
Exporting Data

To start exporting data from your Revvo enabled assets:

- Log into Revvo, and navigate to Admin > Integrations > Samsara and scroll down to "Export". Select the checkbox labeled "Enabled". This will start the flow of data between Revvo and Samsara. When prompted hit "Confirm" on the Export pop-up modal.



- Once Export has been enabled, tire data and issues will begin to be displayed within the Samsara Dashboard under the gateway's attributes table (see example below).



Create DVIRs

Tire related events can automatically trigger DVIRs for Samsara customers. These DVIRs can be set up on behalf of the customer and driver so that when tire related issues occur, DVIRs are created for each issue on that asset when a driver is assigned.

Revvo configuration settings to enable Samsara DVIRs

To enable DVIRs to be created from tire related events follow the below steps in your Revvo Admin Settings:

- Log into Revvo, and navigate to Admin > Integrations > Samsara and scroll down to the DVIR section.
- Enable the checkbox next to DVIR Creation to turn on DVIR creation in Samsara. A confirmation will appear. Click OK and your configuration will be saved.
- Fill in an email address that matches your Samsara username login. Scroll to the bottom of the page and hit Save.
 - A success message will appear once the configurations have been successfully saved.
 - Once all the information is completed and saved, you should see a green check box and a username populated in the "Reported By User" and a Samsara User ID # that matches the email address.

The image is a screenshot of a software interface titled "DVIR Configuration". It features a green checkmark icon next to the text "DVIR Creation Enabled". Below this, there is a section labeled "DVIR Reported By User *" which includes a gear icon and the email address "jack@revvo.ai". At the bottom of the screen, the text "Samsara User ID 1050565" is displayed. The interface has a light gray background with a green header bar at the top.

Below is a DVIR example: This DVIR was automatically created in Samsara from a low pressure alert reported in Revvo (No driver actions were required to create this inspection report).

← Back to DVIRs

5 of 5

Driver Vehicle Inspection Reports — GPK8-8VF-DBY UNSAFE

Resolve Unsafely DVIR

Click "Resolve" to change this DVIR's safety status from UNSAFE to RESOLVED

Resolve

INSPECTION TYPE	ORGANIZATION NAME	AUTHOR NAME	DATE	LOCATION
Mechanic	Revo Technology Test Org	Jack A Labbe	Mar 31, 11:02 AM	-
DURATION	VEHICLE NAME	ODOMETER	LICENSE PLATE	
-	GPK8-8VF-DBY	0 mi	-	

No vehicle defects

Activity

Driver Signature

Mar 31, 11:02 AM

I certify that this vehicle has been inspected in accordance with the applicable requirements.

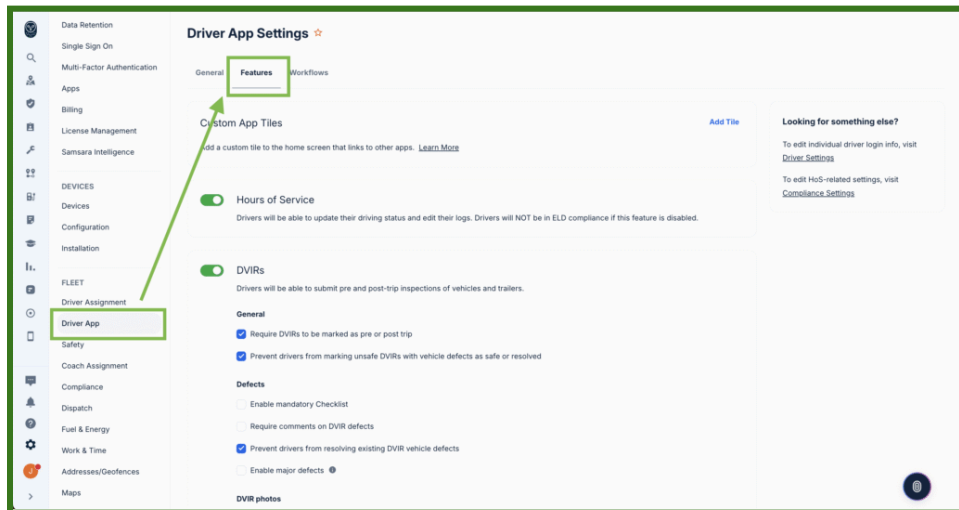
Mechanic signature

Resolve this DVIR to add a 2nd signature.

Notes: [Vehicle : Revo-JUAN, Tire : 2] Critically low pressure As of 25 Feb 2025, 11:57 AM PST, pressure is 39 PSI

Samsara Configuration Settings to Enable DVIRs

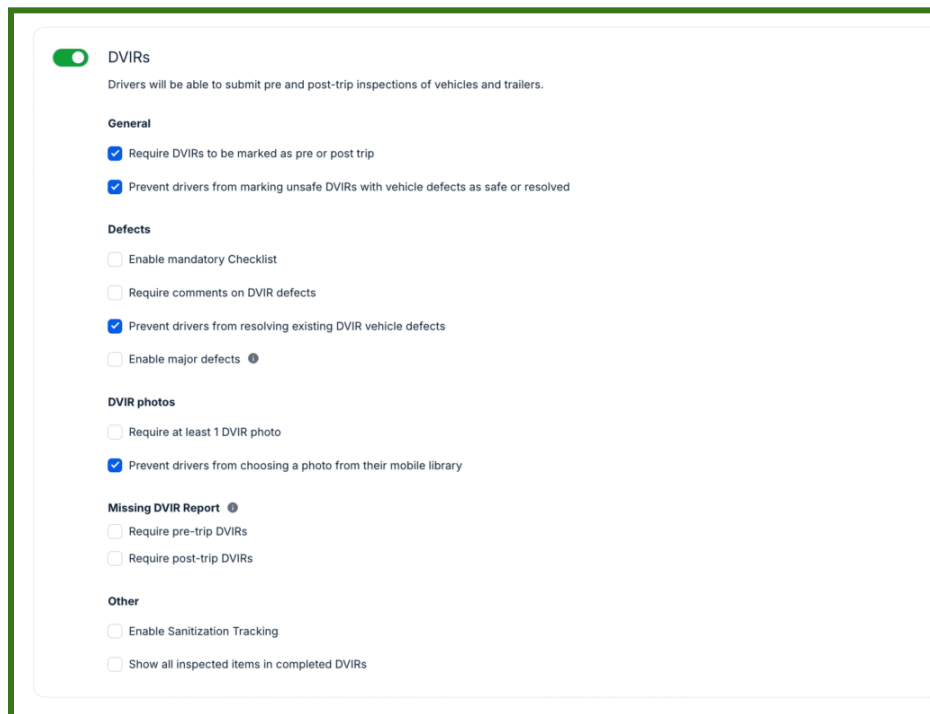
- Navigate to your Samsara Dashboard. Go to Settings > Scroll down to the Fleet Section and select Drive App.
- Then Select the Features Tab once you are in the Drive App Settings.



- Once in the Features tab of the Driver App settings, toggle on the DVIR section. This will allow drivers to create DVIRs within the Samsara Drive App.

Additionally, there are options to customize how your drivers use DVIRs. Check off the ones that you wish to enable for your drivers. Some options to consider enabling below:

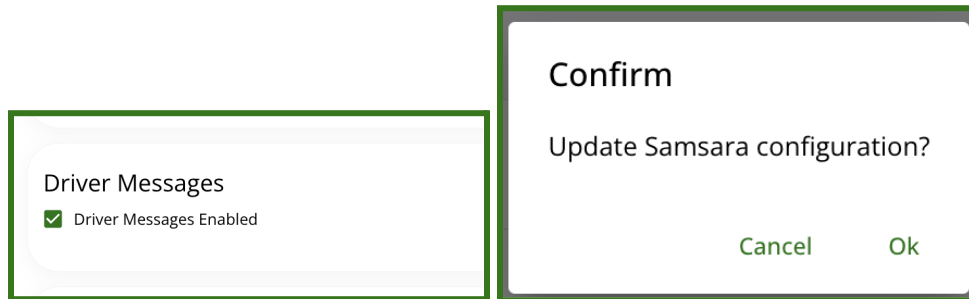
- General
 - Require DVIRs to be marked as pre or post trip
 - Prevent drivers from marking unsafe DVIRs with vehicle defects as safe or resolved
- Defects: Prevent drivers from resolving existing DVIR vehicle defects
- DVIR photos: Prevent drivers from choosing a photo from their mobile library



Create Driver Messages

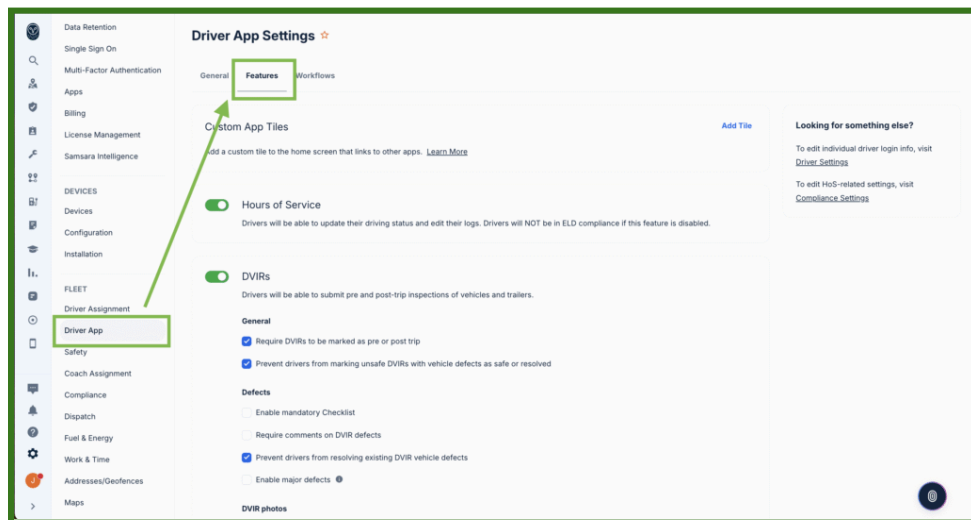
Revvo configuration settings to enable Samsara Driver Messages:

- Select the check box below “Driver Messages Enabled”. When prompted select OK to confirm enabling driver messages.
- Then follow the instructions under notifications to enable specific events to be sent to drivers.

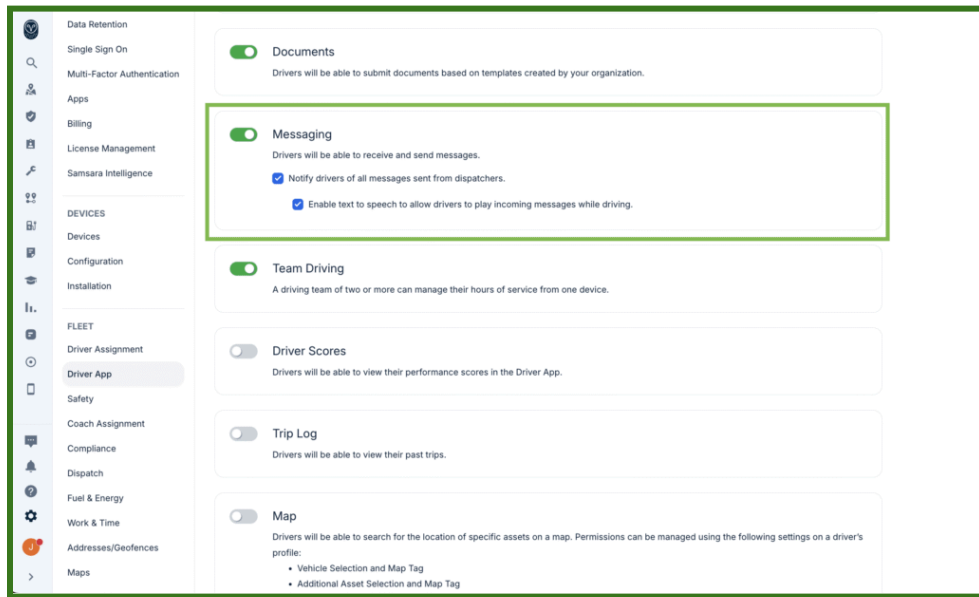


Samsara Drive App Configuration Settings

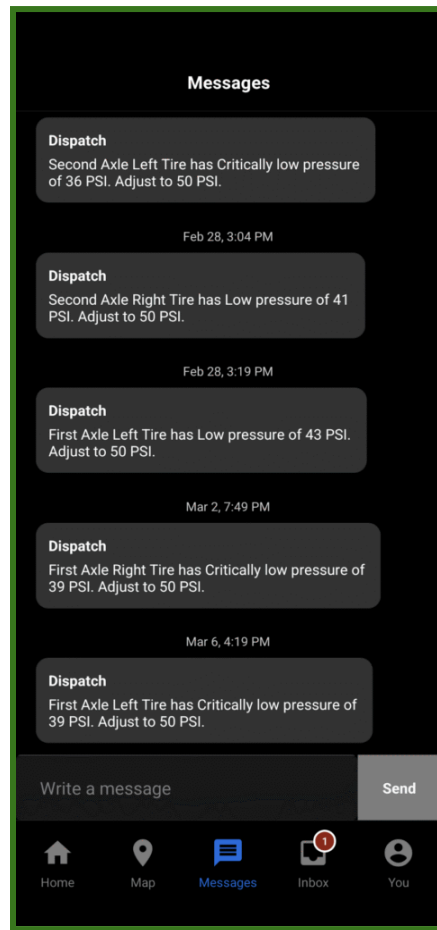
- Navigate to your Samsara Dashboard. Go to Settings > Scroll down to the Fleet Section and select Drive App.
- Then Select the Features Tab once you are in the Drive App Settings.



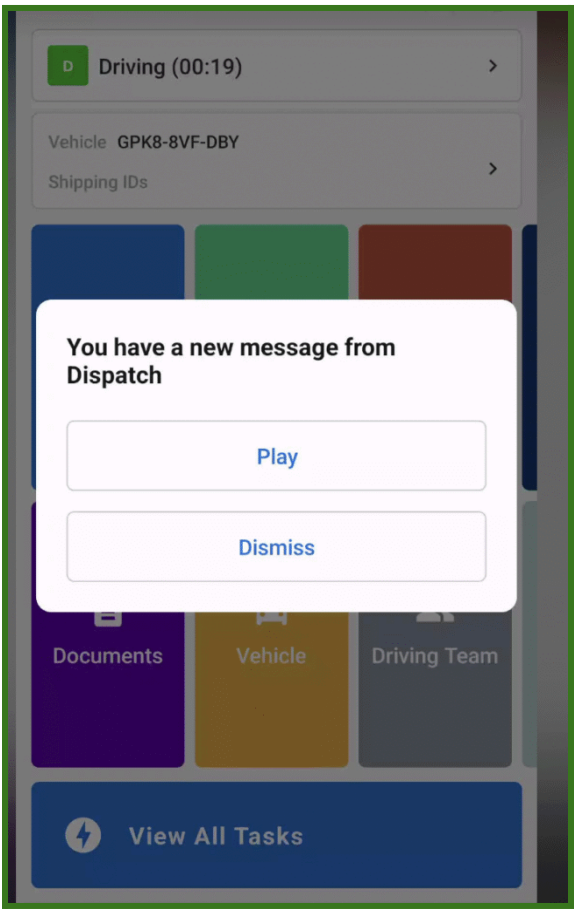
- Once in the Features tab of the Driver App settings, scroll down to Messaging and toggle on the Messages options. This will allow messages to be sent to drivers using the Samsara Drive App. Additionally, check off the two checkboxes below the Toggle to:
- Notify drivers of all messages sent from dispatchers
- Enable text to speech to allow driver to play incoming messages while driving.



Once Driver Messages are enabled they will appear in the Samsara Drive App under messages when drivers are not driving (Samsara Drive App blocks drivers from navigating to the messages tab while driving.)

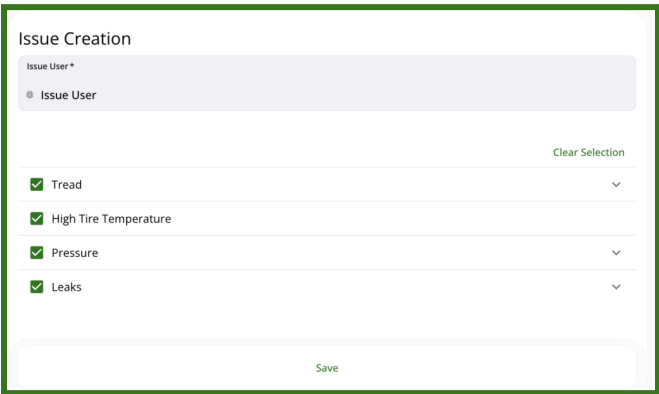


If text to speech is enabled, drivers will see a modal appear to “Play” or “Dismiss” messages from Dispatch (see below an example).



Revvo Notifications

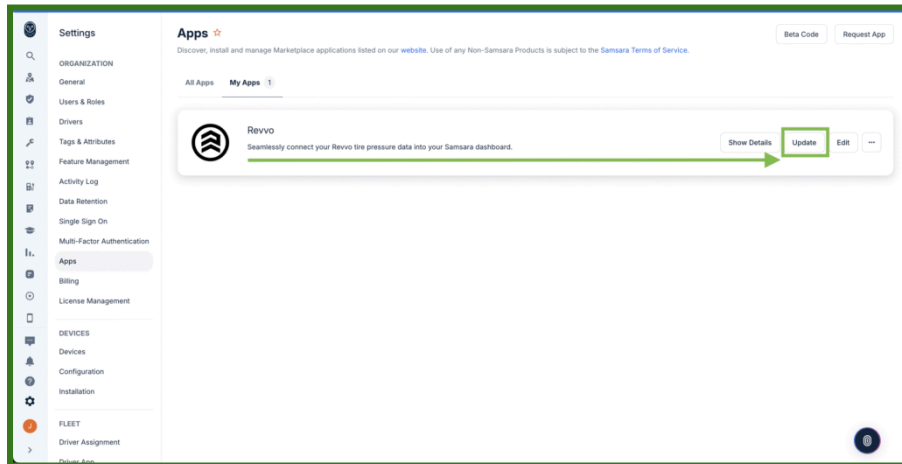
Tire related issues are called “Events” within Revvo and each type of event (i.e. Pressure, Tread, Temperature, Leaks events) can be selected to create DVIRs and Driver Messages. Within the Samsara Integration tab in Revvo (Admin > Integrations > Samsara) scroll down to Issue Creation and select the checkboxes for the types of events you would like to send to drivers. Then hit Save.



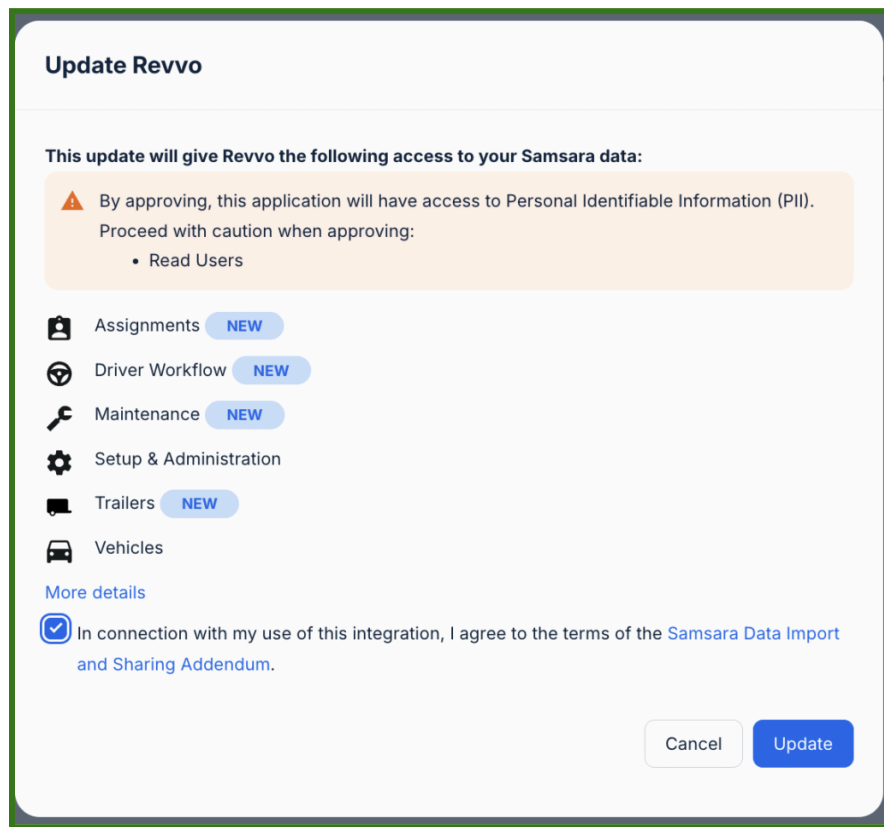
Updating Your Revvo App Permissions Within Samsara:

Occasionally you will be asked to update the Revvo app within your Samsara Dashboard. Revvo and Samsara are regularly updating and improving features between our two products and keeping your app updated ensures that you can take advantage of all the integration features.

- Navigate to Settings > Apps > My Apps. In the My Apps Tab, find Revvo and click on “Update”.



- Review the New permissions and Click “Update” and the Revvo App will be updated.

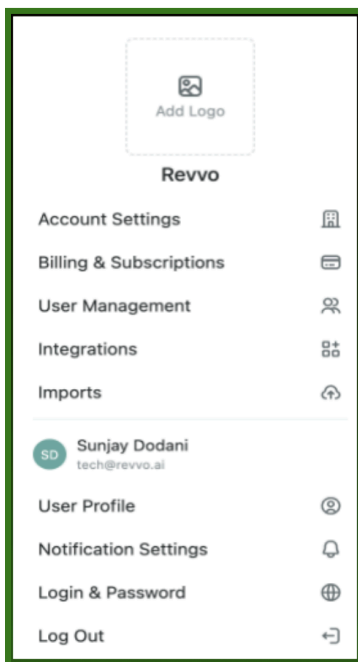


Revvo and Fleetio Integration Guide

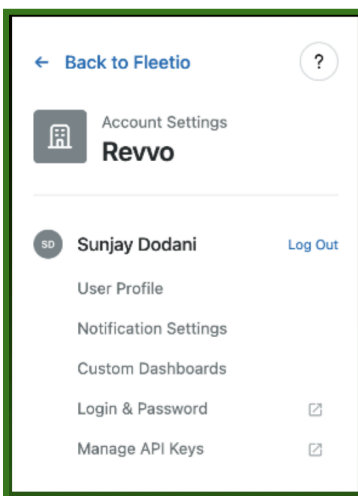


Login to your Fleetio Account

- Login to your Fleetio Instance.
- Head to “Account Settings”



- Navigate to “Manage API Keys”



Create your Fleetio API Key. Click the “Add API Key” and create an API key and account token.

The image shows two screenshots from the Fleetio user interface. The top screenshot is the 'API Keys' management page, which includes tabs for 'Login Information', 'Change Password', and 'API Keys'. A green box highlights the '+ Add API Key' button in the top right corner. Below this is an informational box explaining that an API key allows a 3rd-party system to connect to Fleetio and read or add data, and that keys can be regenerated or revoked. Below the info box is a search bar and a table with columns: Label, Token, API Version, Date Added, and Status. The table is currently empty, showing a magnifying glass icon and the text 'No results to show.' The bottom screenshot is the 'Add API Key' modal. It contains a 'Label' field with the text 'Jack's API Key', a 'What's this API key for?' label, an 'API Version' dropdown menu set to '2024-06-30', and a note stating 'The default API Version for this API Key'. At the bottom right of the modal are 'Cancel' and 'Save' buttons.

Connect your Fleetio account to your Revvo account. Customers can either:

- Share both the API key and account token with support@revvo.ai and they can complete your integration on your behalf
- Or, login to your Revvo portal and complete the integration yourself.
 - Navigate to Admin > Integrations
 - Select “Enable Fleetio” and hit Save
 - Navigate to the Fleetio Tab that appears to the right of integrations
 - Once on the Fleetio Tab > Under credentials enter in your API Key Token and the Account Token from your Fleetio account and hit Save.
 - If successful, the Fleetio API key will be visible under the credentials section.

Setup your Fleetio Issue Creation. In order to trigger work orders in Fleetio from Revvo, the customer must enable “Issue Configuration” within the Fleetio Integrations tab.

- Enable the “Issue Creation Enabled” Checkbox
- Insert an email address into the “Issue User” Text box that matches a username in Fleetio.
- Select the type of issues you would like to send from Revvo to Fleetio to create work orders. Once you select the event types, hit Save to confirm.

Issue Configuration

☒ Issue Creation Enabled

Issue User *

Issue User

Fleetio User ID 820002

Select All Critical Events

☐ Tread

☐ High Tire Temperature

☒ Pressure

☐ Low Pressure

☒ Low Pressure In Motion

☒ Deflated Tire

☐ High Pressure

☒ Critically Low Pressure

☐ Critically Low Pressure In Motion

☐ Deflated In Motion

☒ Leaks

Where Do I See Tire Data?

Revvo alerts will be shown as issues in the Fleetio dashboard.

Alert Flow

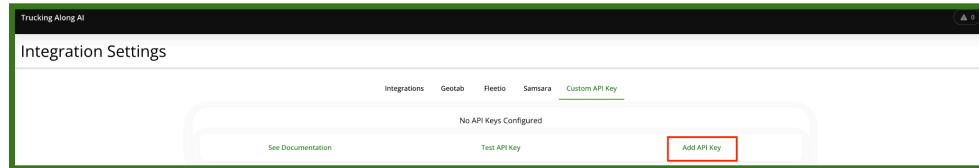
Alerts are triggered when thresholds are exceeded:

- Low Pressure: Any tire with a tire pressure below Low Pressure Threshold
- Critically Low Pressure: Any tire with a pressure below Critically Low Pressure Threshold
- Leak: Any tire losing pressure day over day, accounting for normal increases due to vehicle operation
- Deflated: Any tire that has less than 10 PSI. To clear an alert, the tire must be inflated to 105% of the vehicle’s recommended COLD inflation pressure.

Revvo API

CMD + K Integrations ⇒ Enable api

In the “Custom API Key Tab”:



- Add API Key =>
- Copy API Key. You can copy manually or use “copy to clipboard”

Once API Key is copied, select See Documentation to go Authorize and test the API Key



Vehicle Creation Setup

Vehicle VIN

Enter VIN to create vehicle

- Enter all VINS from fleet list
- Select “Lookup Vins”

The screenshot shows the 'Revvo Portal Setup' interface with a progress bar at the top indicating steps: General, Users, Integrations, Vehicles, and Review. The 'Vehicles' step is active, showing sub-options: VIN IMPORT, TEMPLATE, GEOTAB SYNC, and FLEETIO SYNC. Under 'VIN IMPORT', there is a text input field containing '75AYGDEEPF596868'. To the right of the input field is a red-outlined button labeled 'LOOKUP VINS'. Below the input field is a blue-outlined button labeled '1 vehicle will be created with existing templates'. At the bottom right is a green-outlined button labeled 'CREATE 1 VEHICLE'. Below these buttons is a table with the following data:

Status	VIN	Template	Make	Model	Series	Year	Fuel Type	Tire Count
Will create with existing template	75AYGDEEPF596868	Tesla Model Y	TESLA	Model Y		2023	Electric	

At the bottom of the table is a 'Continue' button with a right arrow.

- Select “Create Vehicle”
- For troubleshooting issues, see [Revvo Dashboard Set Up - Troubleshooting Tab](#)

Vehicle Template

Revvo has a data base of pre populated vehicle templates Use this feature to pre populate vehicles for the Revvo portal being created

- Enter Vehicle Type Information to search for a Pre Populated Template:
 - Enter # of Tires
 - Enter # of Axles
 - Enter Axle Layout (i.e 2-2 for a 4 2020 Tesla Model 3)
- Select Template based on above information

- Enter # of vehicles you desire to create
- Select “Create”

Geotab Sync: See Geotab Integration setup tab
 Fleetio Sync : See Fleetion Integration setup tab
 Samsara Sync: See Samsara Integration setup tab

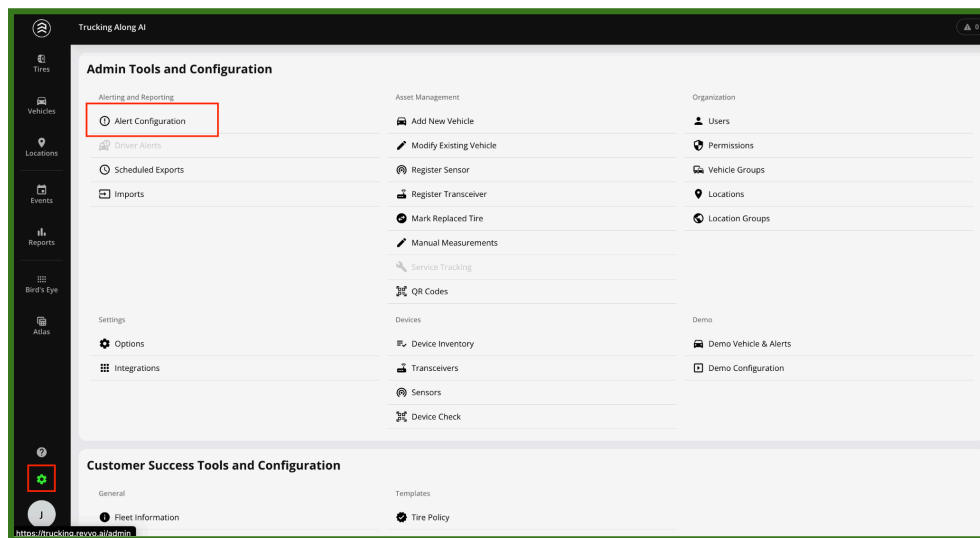


Alert Setup

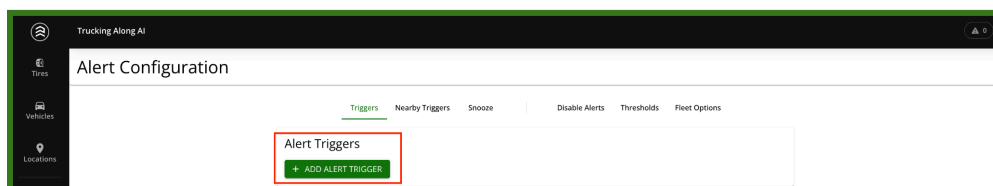
Alert up is crucial to receiving sms text and/or emails for events that are created for all tires. To set up alerts follow the follow steps on your dashboard:

Go to the Admin Page by clicking on the setting wheel in the bottom left hand corner

Select “Alert Configuration”



Select Alert Triggers to see a drop down of the available alerts



New Alert Trigger

Vehicle Group

All Vehicles

Select All Critical Events

Tread

Critically Low Tread

Low Tread

Temperature

High Temperature

Daily Temperature High

Pressure

Low Pressure

Critically Low Pressure

Low Pressure In Motion

Critically Low Pressure In Motion

Deflated In Motion

Critically High Pressure

Low Pressure due to Temperature

Daily Pressure Low

Daily Pressure Very Low

Deflated Tire

High Pressure

Daily Pressure High

Leaks

Daily

Cancel

Create

Select the alerts you want to receive

Select how you'd like to receive alerts: Email/ Text/ Whatsapp

Select Create

Activate alert




30



Report Set Up

Scheduled reports can be set up to be delivered at any cadence via email PDF reports. The following reports can be configured:

- Df
- 0d
- Dfd

To set up reports, follow the following steps.

1f

Hardware Setup: Revvo Gateway Installation Guide

NOTE: Please ensure that the gateway is placed on the LEFT or RIGHT side of the vehicle. This will optimize the auto-location feature of the sensors.



Connect the Power Cable provided by Revvo to your vehicle.

OBD-II Port (Lite Duty & Passenger Vehicles)



- Locate the OBD port in the vehicle.
- For some vehicles, you need to open the flap on the driver's footwell.
- Open the OBD trim panel above the parking pedal.

- Pass the provided OBD cable (OBD plug first) through the opening and plug into the vehicle's OBD port. You can still use the OBD port for diagnostics.

NOTE: Please ensure that the gateway is placed on the LEFT or RIGHT side of the vehicle. This will optimize the auto-location feature of the sensors.

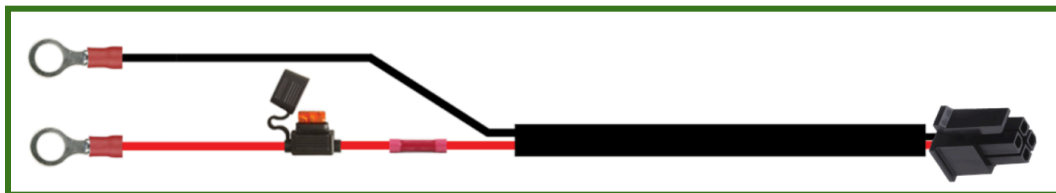
J1939 port (Trucks)



- Locate the J1939 port in the truck.
- Open the J1939 trim panel.
- Plug the provided J1939 cable into the J1939 port. The cable is designed so you can still use the J1939 port for diagnostics.

NOTE: Please ensure that the gateway is placed on the LEFT or RIGHT side of the vehicle. This will optimize the auto-location feature of the sensors.

12V Power Source (any vehicle)



- Route the External Battery Cable through from inside the cabin to the hood (outside) of the vehicle.
- One in the hood, route the cable, avoiding any areas that get hot while the engine is on.
- Connect to the battery terminals using the provided External Battery Cable as shown.

NOTE: Please ensure that the gateway is placed on the LEFT or RIGHT side of the vehicle. This will optimize the auto-location feature of the sensors.

Trailer 7 Way Power Cable Mechanical



Using mounting screws, screw through the IP67 GW mounting holes (see diagram), and mount the IP67 box on the trailer area as shown above. Route the harness towards the rear of the trailer like indicated above.

Electrical

Trailer Installation - Gateway Connection

Step 1
Connect the harness to the 7 pin as indicated (Red -> 12V (Blue (7)), Black > Ground (1))

Step 2
Connect the harness to the IP67

*Do not open the IP67 to ensure waterproofing remains

J560 Socket

Pin	Color	Circuit
1	White	Ground
2	Black	
3	Yellow	
4	Red	
5	Green	
6	Brown	
7	Blue	ABS (continuous power)

Revvo Registration Guide

This guide will walk you through setting up your Revvo portal so you can start receiving real time insights. What you'll need before you start:

Your vehicle hardware

- Gateway
- Power Cable
- Sensors
- QR Code for door jamb

A mobile device with internet access



Hardware Installation

Vehicle QR Code

- Mount the QR code sticker in the vehicle's door jamb OR windshield
- Scan QR code with your mobile device camera. If the scan doesn't work, enter the ID.
- Scanning the QR code will allow you to view your vehicle and tires without signing in.



Tire Sensor Installation (please install sensors first before powering the gateway).

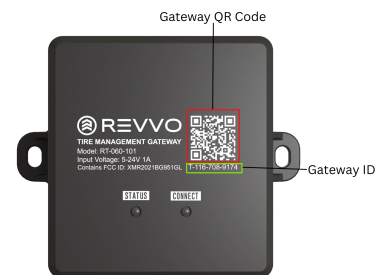
Click on the tire you'd like to install on first

- Click on the QR icon to use your mobile device camera to scan the valve ID
- Enter your tire's current tread depth
- Unscrew existing cap
- Screw on the Revvo valve sensor. Continue screwing on until you hear a hiss of air and the valve is tightly on-
- Click "OK" and continue with remaining tires



Gateway Installation

- Click on the QR icon to use your mobile device camera to scan the gateway ID
- Click the Finish button to complete registration process
- Plug the gateway in to the power source (OBDII or J1939 cable)
 - Passenger cars: OBDII port is usually under the steering wheel - consult your manual
 - Trucks: J1939 connector
- Place the gateway in a secure location
- Lights should flash green to show connection is established

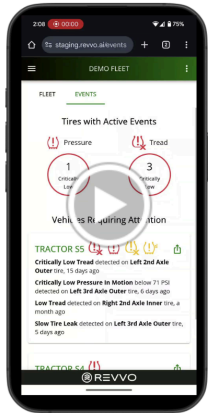


Welcome Message

After successful setup, a "Portal Configuration is Complete" message will appear and you'll see your vehicle. Once hardware is installed, you'll see data start to flow within 2-5 minutes.

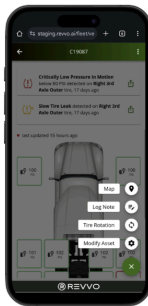


What does the QR Sticker do?



- Event Details
- Record Actions
- Detailed Rec's





Quick Inputs for Logging Actions

Revvo Hardware

Current Hardware



Revvo Pro
Tire-Mounted Sensor

- > Auto Position
- > Pressure
- > Temperature
- > Live Tread
- > Wheel Security
- > Road Surface
- > Load
- + more



Revvo Wheel
Wheel-Mounted Sensor

- > Auto Position
- > Pressure
- > Temperature
- > Predicted Tread
- > Wheel Security
- + more



Revvo Valve
Valve-Mounted Sensor

- > Auto Position
- > Pressure
- > Temperature
- > Predicted Tread
- + more



Revvo GT-IOX
Revvo+ Geotab IOX Gateway

- > Connect via IOX port on GO9
- > No added repeaters needed
- > Auto-provisioned in Geotab
- > Installs in seconds



Revvo Gateway
Truck or Trailer Gateway

- > ObdII, J1939, or 12V
- > Transmit GPS, ECU, and other vehicle data

Revvo Pro Sensor Installation



Revvo Valve Sensor Installation

Preparation:

- Park the vehicle on a flat, stable surface and engage the parking brake.
- Gather all necessary tools and materials.
- Check tire pressure and inflate to recommended levels.

Inspection of Valve Sensor:

- Unscrew the valve sensor from the valve stem
- Inspect the current valve sensor for any damage or wear
- Ensure the black rubber gasket is present and in good condition. This gasket is crucial for preventing air leaks
- Replace any damaged or worn Revvo Valve Sensor with a new one

Cleaning the Valve Stem:

- Clean the valve stem with a clean cloth to remove any dirt or debris to ensure the thread of the valve stem is smooth
- Check for any damage to the valve stem itself



Replacing/Re-using the Revvo Valve Sensor:

- Place the new or existing Revvo Valve Sensor over the valve stem
- Torque passed the hissing sound made by air escaping - ¼ turn past hand tight



Final Checks:

- Verify the Revvo Valve Sensor is securely tightened
- Apply a soapy water solution around the sensor base and check for air bubbles, indicating a leak



Revvo Wheel Strap & Sensor Installation



Follow these installation steps after registering a sensor:

Place strap around the wheel with the black dot sticker pointing in the forward direction of travel.

Align the sensor with the valve stem

Tighten the clamp and secure the strap in a flat area of the wheel with the smallest diameter -Torque spec (30 in-lbs / 2.5 ft-lbs / 3.4 Nm). Max 50 in-lbs

Cut off any extra length of the wheel strap if it is too long.

Re-install the tire, being careful not to damage the sensor.

NOTE: Make sure to not over torque the clamp during installation.



Troubleshooting

Trucking Along AI

Revo Portal Setup

Complete the following configuration steps to access your portal.

General

Users

Integrations

Vehicles

Review

VIN IMPORT

Enter VINs

3WVCB7BU4LM040970
75AYGDEEPF596868
1FTFW1RG3JF84444

LOOKUP VINs

1 vehicle will be created with existing templates

2 VINs do not have a matching template

You may contact support@revo.ai to get new templates created for the non-matching VINs. Alternatively, you can select a template manually in the Template tab.

CREATE 1 VEHICLE

Status	VIN	Template	Make	Model	Series	Year	Fuel Type	Tire Count
No Matching Template	3WVCB7BU4LM040970	[No Template]	VOLKSWAGEN	Jetta	1.4 TSI (S/SE/R-Line)	2020	Gasoline	
Will create with existing template	75AYGDEEPF596868	Tesla Model y	TESLA	Model y		2023	Electric	
No Matching Template	1FTFW1RG3JF84444	[No Template]	FORD	F-150		2018	Gasoline	

Continue →

Hardware Troubleshooting

T6 Gateway LEDs

LEDs blink, but there is no sequence. Updated: 9/18/25



Note: Modem HW fault indication not implemented for gateways deployed before 9/18/2025.

Happy Path From Bootup to Working

LED Number	LED1	LED 2
LED Function	Vehicle/Data Status	LTE/GPS Status
LED Case Label	STATUS	CONNECT
Step 1 : Off		
Step 2: Trying to Connect		Connecting to LTE ¹
Step 3: Connected		Connected to LTE ²
Step 4: Data Uploading		Uploading Data ³
Step 5: Sensor + GPS Collection		Uploading & GPS Active ⁴

Other States

LED Number	LED1	LED 2
LED Function	Vehicle/Data Status	LTE/GPS Status
LED Case Label	STATUS	CONNECT
Sleep	MCU Sleep ⁸	
Modem HW Fail (Power)	Fault	Modem HW Fault ⁵
Modem HW Fail (No UART)	Fault	Modem HW Fault ⁶
Unconfigured	Unconfigured ⁷	Connected to LTE

Notes:

1. Initial state, modem bootup, attempting LTE connection.
2. After receiving an IP address or LTE otherwise established.
3. After config is downloaded or after MQTT/HTTP data has been uploaded. Expires after some amount of inability to upload data.
4. If GPS is active while data uploading is also happening.
5. Modem fails to power on (status voltage).
6. Modem fails to respond to commands (no UART).
7. Gateway is functioning but is not registered to a vehicle.
8. Sleep mode not implemented.

Common Issues

My gateway is plugged in but I am not seeing any data

- Is the gateway registered to a Revvo vehicle?

- Is the correct gateway ID registered?
- Is the gateway getting power proper 12v power?
- IF yes to the above, then try step “e”
- Take a note of the gateway LED sequence, then unplug gateway power for 30 seconds, then replug the device
- Take a note of the gateway LED sequence after Initial Boot up (2 mins)
- If LED is not flashing green, report the issue to support@revvo.ai

My Gateway is not displaying recently registered sensors

- If sensors were registered while the gateway is powered on, you will need to either
 - Wait for the gateway to reboot (~ every 120 mins)
 - Physically Power Cycle the gateway

My Gateway is not displaying GPS Data

- Unplug power from the gateway and wait 30 seconds before replugging the gateway
- If lights are not green after bootup (~ 120 mins) report issue to support@revvo.ai

My Gateway (IP67) is plugged in but not showing data

- Ensure the 7 way cable is connected to continuous power and not an intermittent power source

Frequently Asked Questions

Accounts & Access

Who can create and manage accounts?

Only Fleet Admin accounts can create new accounts within a fleet. Fleet Admins can also edit any account, while other users can only edit their own account.

What happens when an account is disabled?

Disabling an account also disables alerts and scheduled exports for that user. However, it does NOT delete the configuration — if the user is reactivated, their settings will be restored. A disabled user can still be listed as a recipient for scheduled exports.

Can scheduled exports be sent to people outside the system?

Yes. Scheduled exports can be sent to anyone with an email address — they do not need to be a user in the system.

Alerting & Thresholds

How are low, critical low, and high pressure thresholds set?

Pressure thresholds are based on the vehicle manufacturer's recommended cold inflation pressure (RCIP) and configurable fleet-level factors. By default: critical low = $RCIP \times 0.85$, low = $RCIP \times 0.90$. High pressure uses the tire's maximum inflation pressure. Thresholds can be overridden per axle in Alert Configuration → Thresholds.

What is the difference between an event and an alert?

Events are triggered automatically when an issue is detected by the system. An alert is a notification sent (or re-sent) based on your configuration. Alerts are re-sent every 24 hours if the issue remains unresolved and is less than 2 days old.

How are tread depth thresholds determined?

By default: critical low tread = 20% of max tread depth, low tread = 30%, high tread = 90%. These can be overridden at the fleet level or per axle on individual vehicles. Please contact support@revvo.ai for help with this

When does a deflated tire event trigger?

A deflated tire event triggers at 10 PSI and resolves when pressure returns above 15 PSI.

How long before a transceiver or sensor is flagged as offline?

A transceiver is flagged as offline after 3 days of no activity. A sensor is flagged after 4 days. Both are checked every 15 minutes. A transceiver online alert is triggered immediately when data is received.



Appendix

Quick Start Guide (Fleet Admin View)

Accessing the Dashboard

After the registration process, please direct your browser to the domain you were provided. It generally follows this format: companyname.revvo.ai.



Login to Revvo

Email *

 name@company.com

Password *

 Type your password

[Forgot Password?](#)

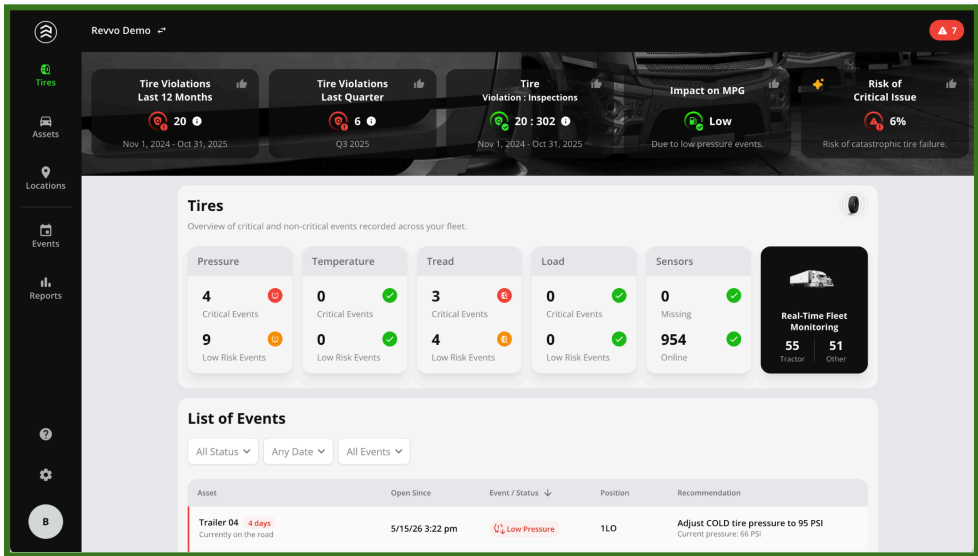
LOGIN

version 1.0.2206 Privacy Policy Terms of Service

If you forgot your password, please use the forgot password feature to generate a new login. If you run into any issues, please reach out to support@revvo.ai.

The Dashboard

Below is the main dashboard. The Revvo site comprises five different sections: Tires, Assets, Locations, Events and Reports. These areas can be accessed via the sidebar.



Tires Page

When you are on the Tires page, you will notice the dashboard is broken up into three segments - Insights (Top), Overview (Center), and List of Events (Bottom)

The List of Events can be updated either by clicking on the different types of events found in the Overview section (for example, clicking the Critical Events under Pressure). There are also a set of drop down filters that will allow you to also update the events.

List of Events

The List of Events provides a summary view of all events that have taken place within the fleet. You can use it to just view the summary or if you click on an event, it will take you to the Assets Page

List of Events				
All Status ▾ Any Date ▾ Pressure ▾				
Asset	Open Since	Event / Status ▾	Position	Recommendation
Trailer 04 4 days Currently on the road	5/15/26 3:22 pm	 Low Pressure	1LO	Adjust COLD tire pressure to 95 PSI Current pressure: 66 PSI
Delivery Van 05 New Currently on the road	5/19/26 3:56 pm	 Low Pressure	1L	Adjust COLD tire pressure to 65 PSI Current pressure: 48 PSI
Delivery Van 05 Currently on the road	5/17/26 6:56 am	 Low Pressure	2L	Adjust COLD tire pressure to 80 PSI Current pressure: 64 PSI
Delivery Van 05 New Currently on the road	5/19/26 5:44 am	 Low Pressure	2R	Adjust COLD tire pressure to 80 PSI Current pressure: 16 PSI
Trailer 04 4 days Currently on the road	5/14/26 9:10 pm	 Slow Tire Leak	1LO	Adjust COLD tire pressure to 95 PSI Current pressure: 66 PSI
Trailer 06 5 days Currently on the road	5/14/26 6:24 am	 Slow Tire Leak	1LO	Adjust COLD tire pressure to 110 PSI Current pressure: 101 PSI
Trailer 06 Currently on the road	5/18/26 6:24 am	 Slow Tire Leak	2LO	Adjust COLD tire pressure to 110 PSI

Assets Page

The Assets Page can be viewed in two different views (Primary Supervisor View and Birdseye). This can be changed using the change view button indicated below:

Supervisor View

Fleet

Search by Asset ID 🔍

Delivery Van 05

last updated 5 min ago

▲ 3 ▼ 0 🔄 0 ⌂ 0

Tractor 04

last updated 5 min ago

▲ 2 ▼ 0 🔄 0 ⌂ 0

Trailer 04

last updated 5 min ago

▲ 2 ▼ 0 🔄 0 ⌂ 0

Trailer 06

last updated 6 min ago

▲ 0 ▼ 8 🔄 0 ⌂ 0

Tractor 09

last updated 5 min ago

▲ 0 ▼ 4 🔄 0 ⌂ 0

Tractor 01

last updated 5 min ago

Delivery Van 05

- Risk of Critical Issue ▲ Risk is High. 20%
- RCIP Deviation 32% vehicle average
- Vehicle Fuel Cost \$ 581 every 1k miles
- Miles Remaining 67,200 with current tread

Asset

last update 5 min ago

Odometer 87,630 mi This is a high usage asset. Has driven 1459 mi last week.

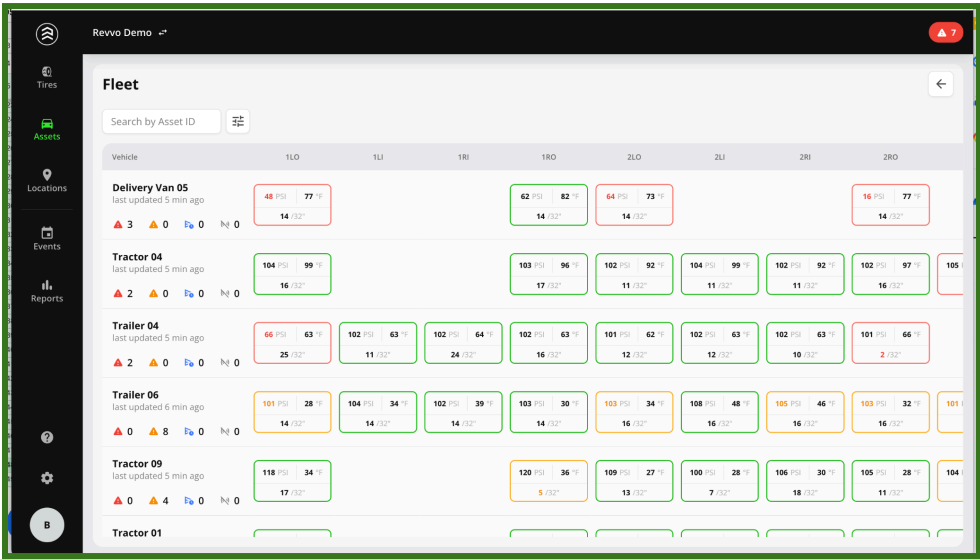
Location

Current Location Last 24 Hours

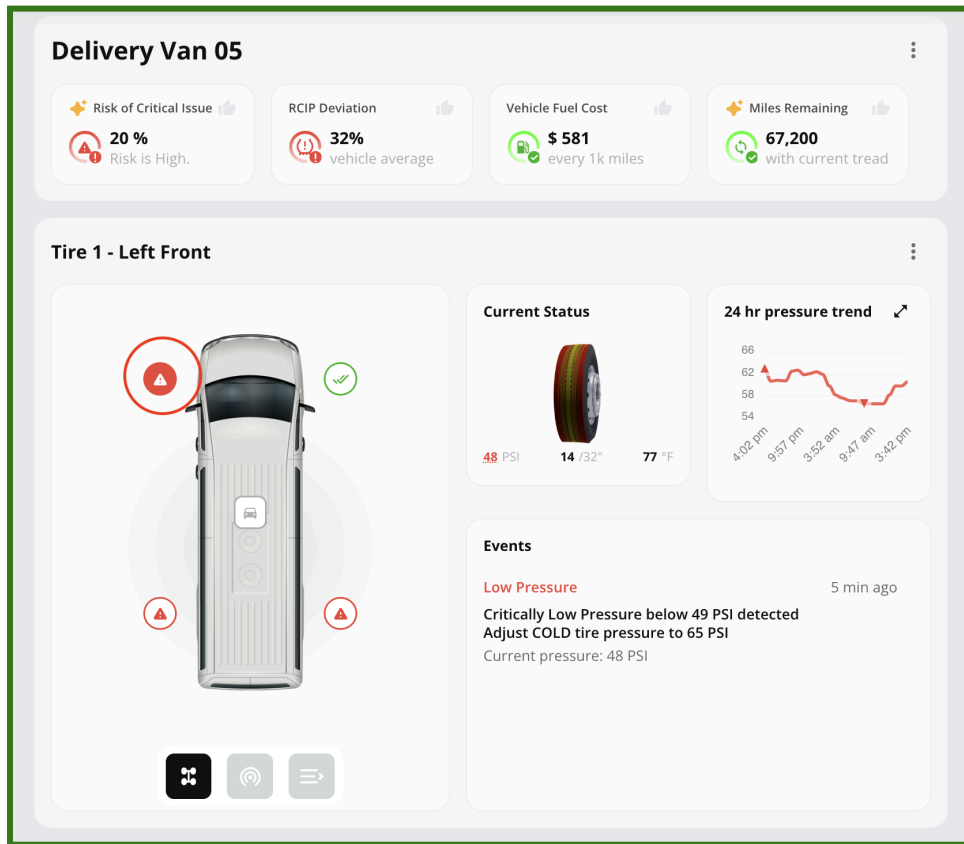
Events

Low Pressure Critically Low Pressure below 49 PSI detected about 60S after departure to EE Ref. 5 min ago

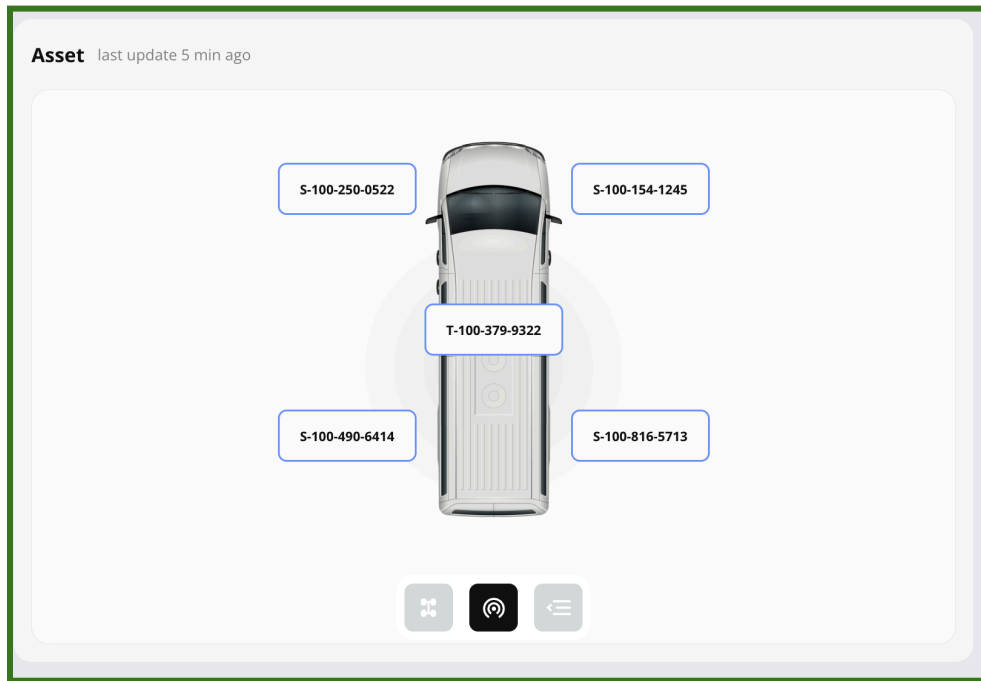
Birdeye View



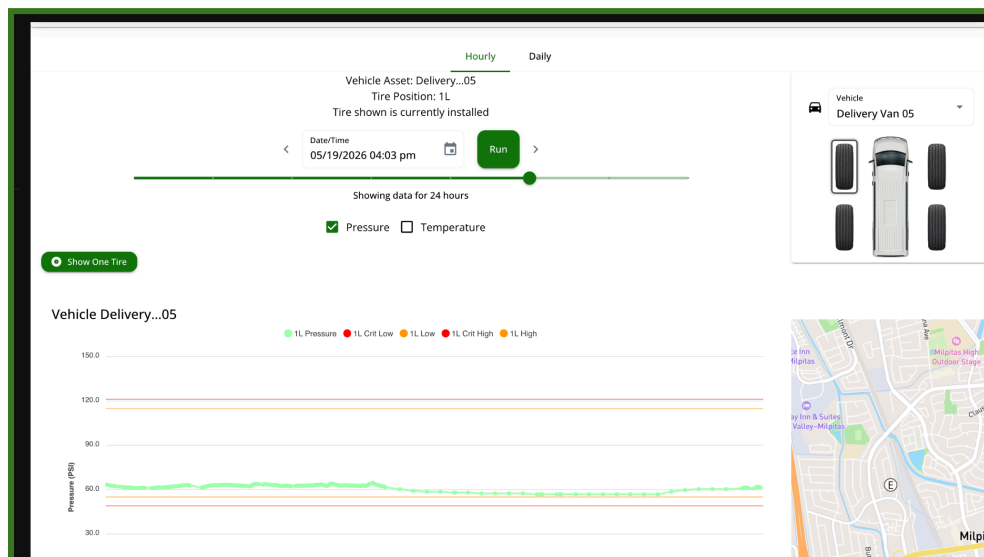
The purpose of this page is to be able to view the status of your fleet. Within the Supervisor View, this will provide the most detail of your asset. Note that this page will provide you with various insights for your vehicle along with current status of your tires, detailed information about Pressure, Temperature and Tread as well as any information on events. In the image below, the tire was clicked which leads to a window opening providing information about the 24 hour pressure trend and more details about the event itself.



If you want more details about the sensors themselves, you can click the signal button underneath the vehicle to bring this display up:

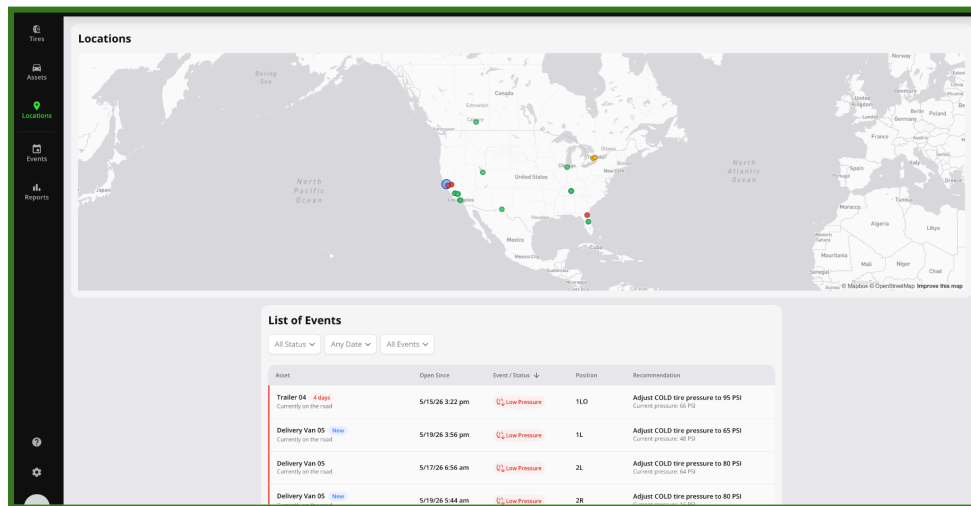


If you'd like more information about the last 24 hours or beyond for the specific tire, you can click on the 24 hr pressure trend window.



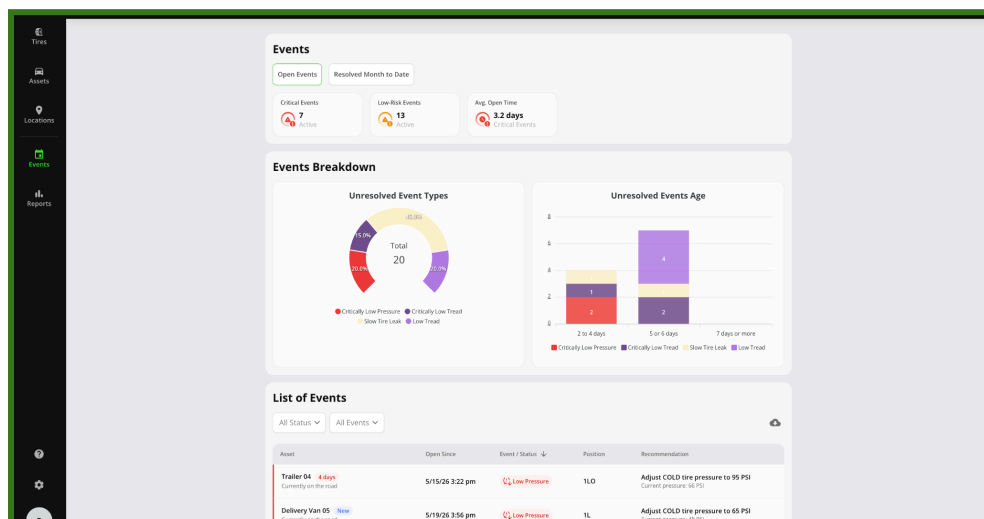
Locations Page

The Locations Page highlights the last known location of the assets within your fleet. Note that below the map, the same List of Events from the Tires Page can be found. The same drop down menus are available for you to use.



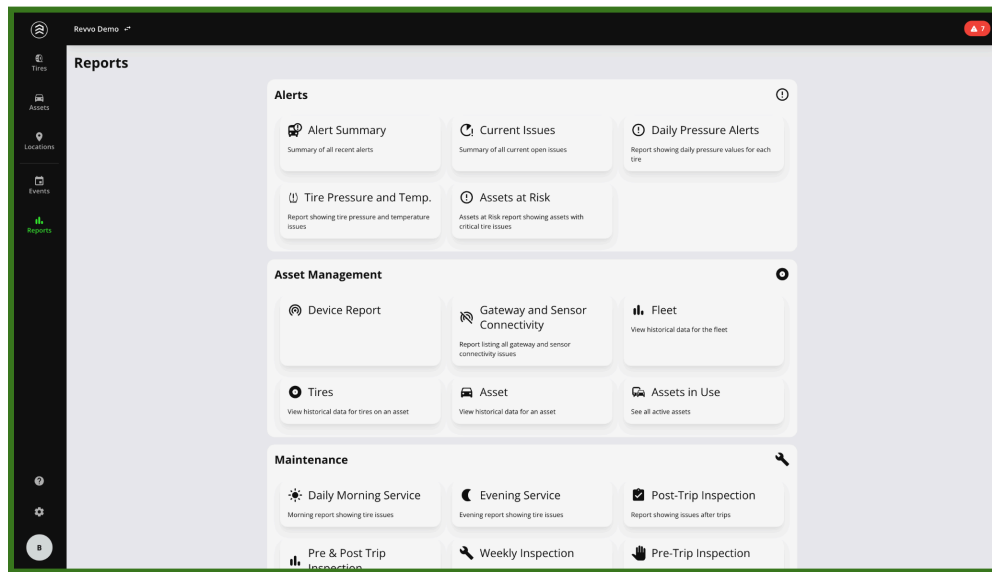
Events Page

The Events Page is broken down into Insights (top), Events Breakdown (center) and List of Events (bottom). This page is used for more in depth analysis about your events.



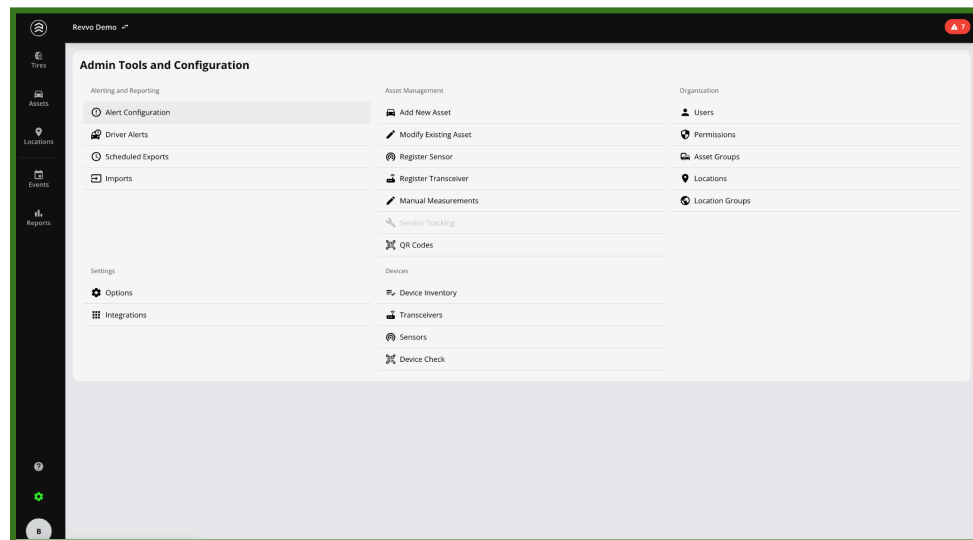
Reports Page

The Reports Page encompasses all available reports at your disposal. Note that as Fleet Admins, you will automatically get subscribed to our Morning Service Report (which provide a summary of all open events for an Operator to evaluate before starting operations for the day)



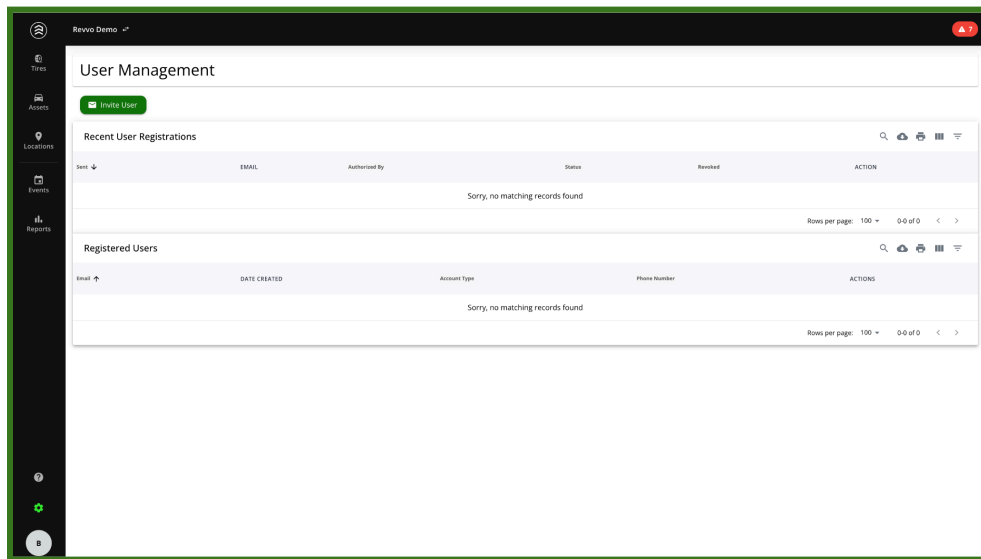
Admin

The Admin section can be found by clicking on the gear icon on the bottom left of the menu bar. This area is the backend of the dashboard and will provide you various options to manage your fleet. We will review the most used features below.



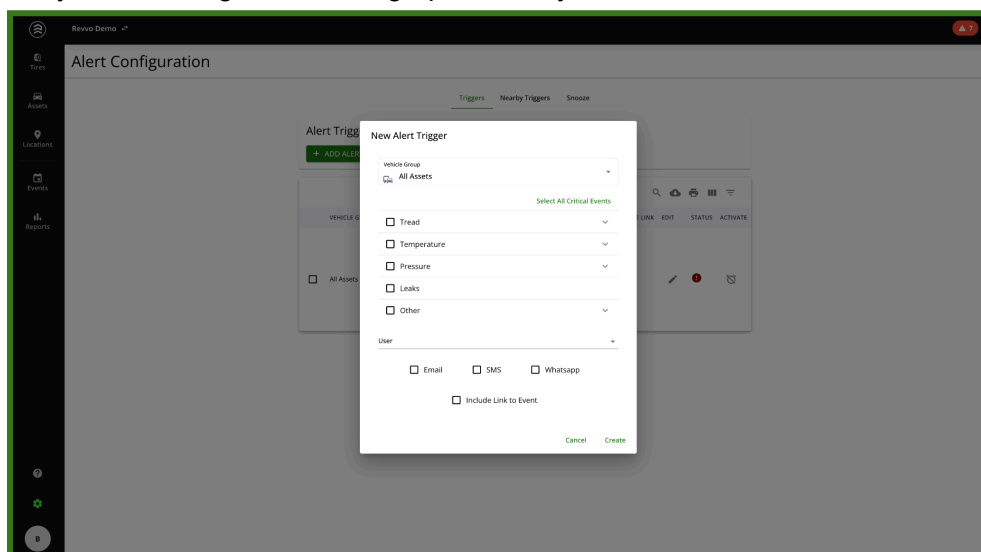
User Management

This area allows you to manage user access within your dashboard



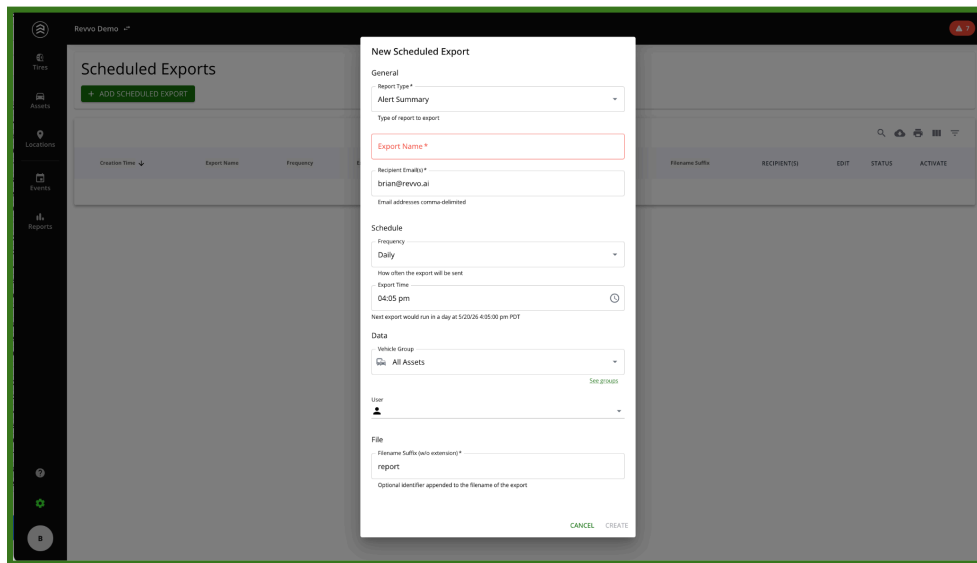
Alert Configuration

This area allows you to manage the alerting options for your users



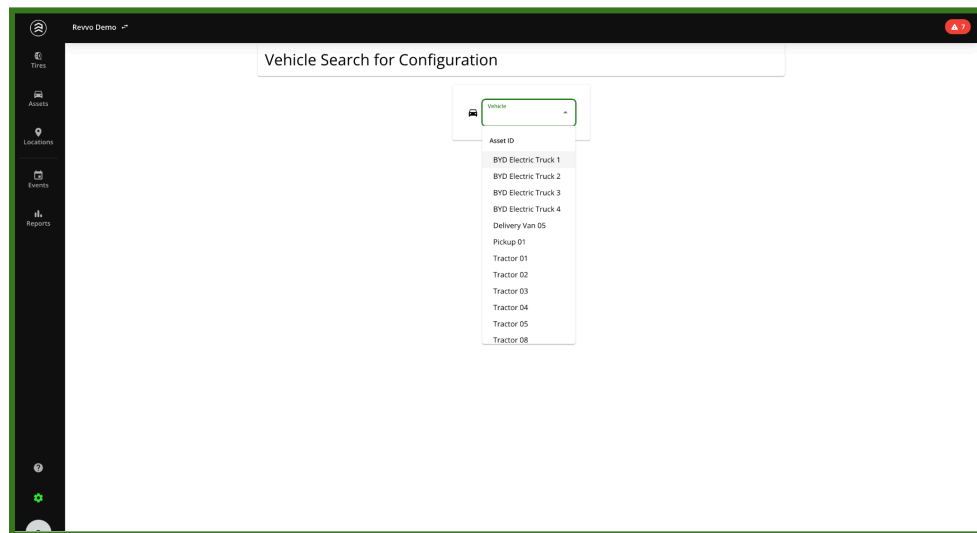
Scheduled Exports

This area allows you to control the Reports you'd like to be subscribed to. For a full list of what is available, be sure to use the "Report Type" drop down menu. For the static view of reports, be sure to navigate to the **Reports** Page of the left menu bar.



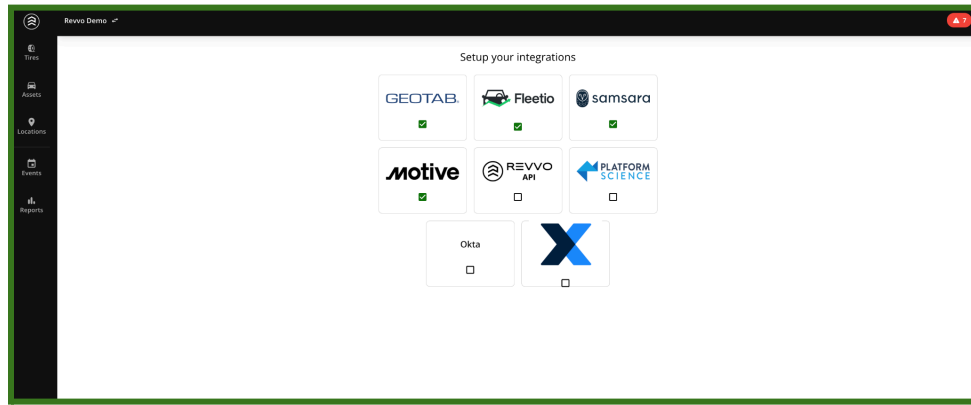
Modify Asset

This area of the dashboard allows you to make changes to your assets (sensors, VIN updates, ASSET IDs). Please note that the thresholds (alerting configurations) are only modified by Revvo staff. You can reach out to support@revvo.ai with any questions.



Integrations

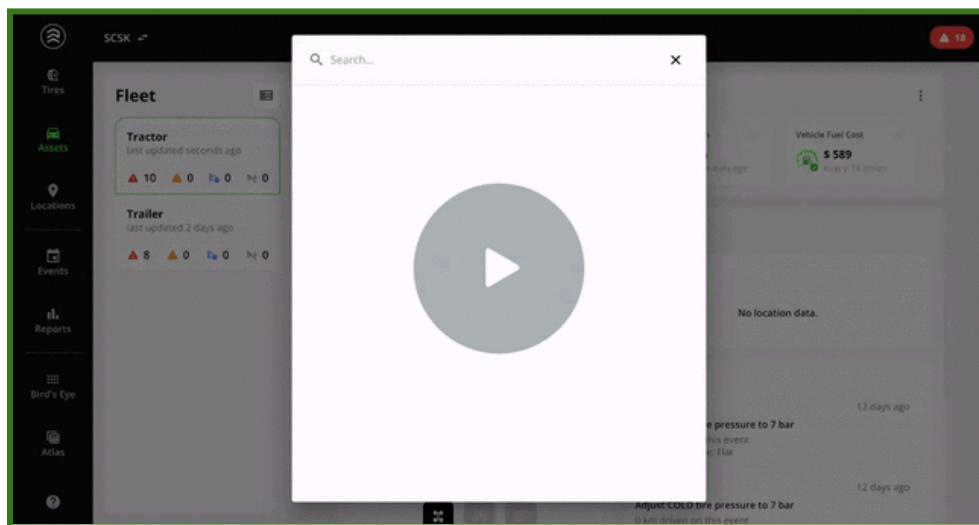
Revvo offers several integration options with a variety of providers. This list continues to grow, but any available options can be found below.



Adding a Vehicle to the Dashboard

Below is a quick overview of how to add vehicles and setup the Revvo hardware to begin dataflow. You can watch the video below on how that is accomplished.

[Adding a Vehicle - Watch Video](#)



Thank you for choosing to work with Revvo. If you have any questions, please don't hesitate to reach out to our team at support@revvo.ai.