



# SensAiry

Quick  
Start  
Guide

This guide has been designed to provide you with all the information you need to setup and install SensAiry sensors on your vehicle.

## Download

Download and install the SensAiry app from App Store / Play store on your smartphone. Search for "SensAiry" or scan the QR code below.

For iOS



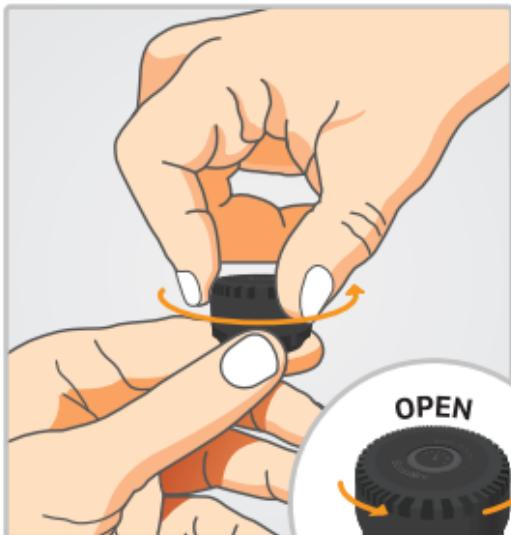
For Android



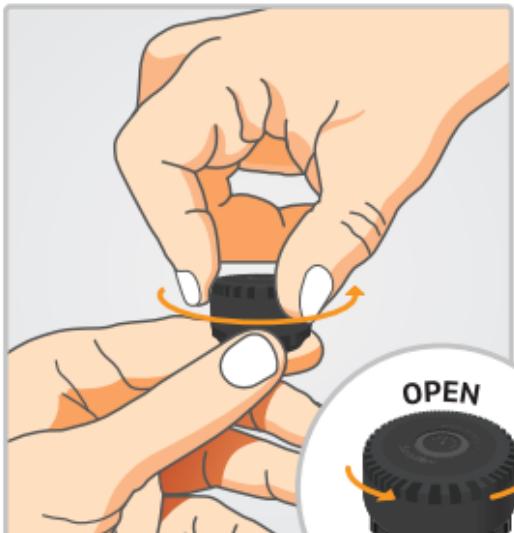
## EXTERNAL SENSOR SETUP

### Inserting the battery

Open the sensor by rotating its top cap in anti-clockwise direction as shown.



Place the battery in between the metal plates and push to insert it in the battery slot as shown (+ve side facing up). Once the battery is inserted, place the top cap back and rotate it in clockwise direction to close the sensor.



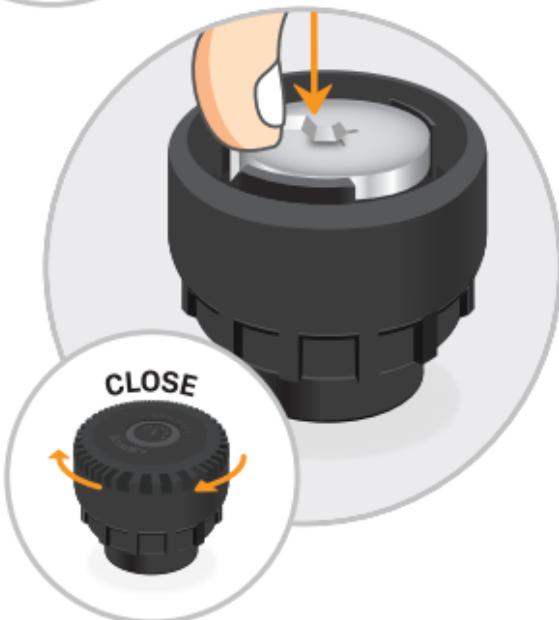
## Replacing the battery

To replace a worn out battery, open the sensor by turning its top cap in anti-clockwise direction as shown.

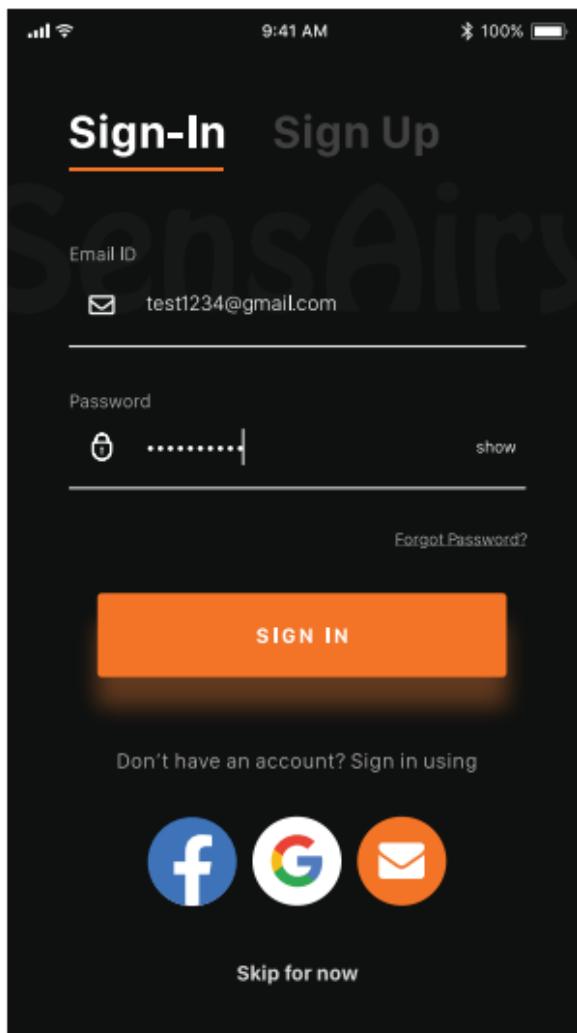
Sensor uses CR1632

coin cell battery

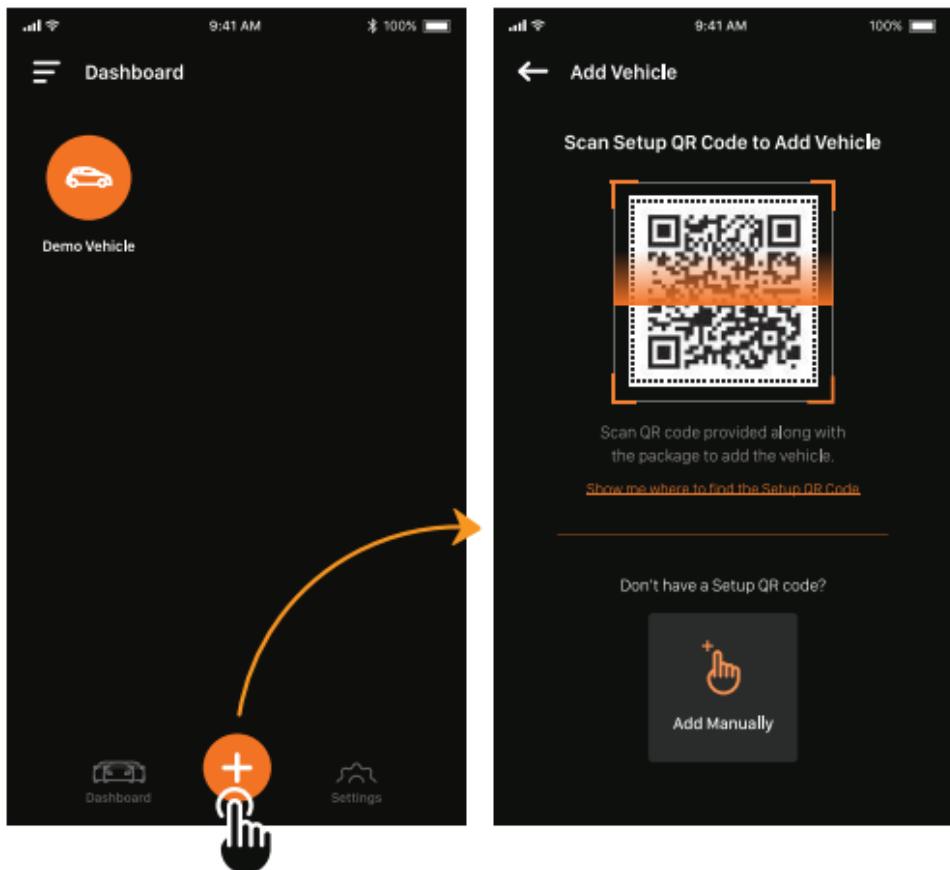
Once opened, gently press the battery (between the metal strip and plastic separator) so that it ejects out of the battery slot. Once old battery is ejected, place the new battery in between the metal plates and push to insert it in the battery slot. Once the battery is replaced, close the sensor.



- Sign in with your Email/Gmail/Facebook account. This will help us save all your sensor details in our server and recover those when you change your phone.



- As soon as you login, dashboard screen will be displayed. A demo vehicle will be present if you're a new user. Start by tapping the 'Add Vehicle' button. Add vehicle screen will be displayed where vehicle can be setup using QR code (page 6) or manually by entering vehicle details (page 8).



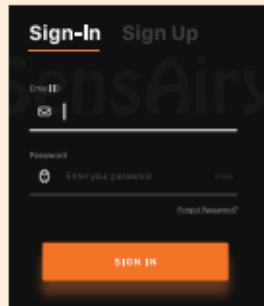
## 1. Add Vehicle Using QR

- Vehicle setup QR code is printed separately and placed inside your product package. It can be found immediately after opening your product package.

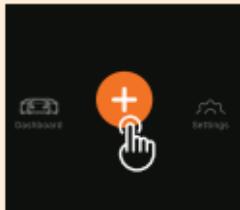
### 1. Download App



### 2. Sign In



### 3. Add Vehicle



### 4. Scan QR



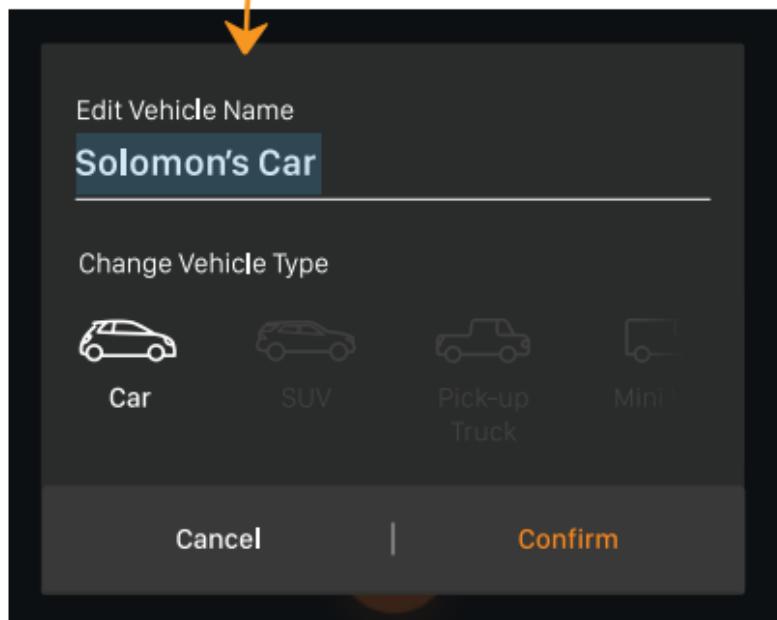
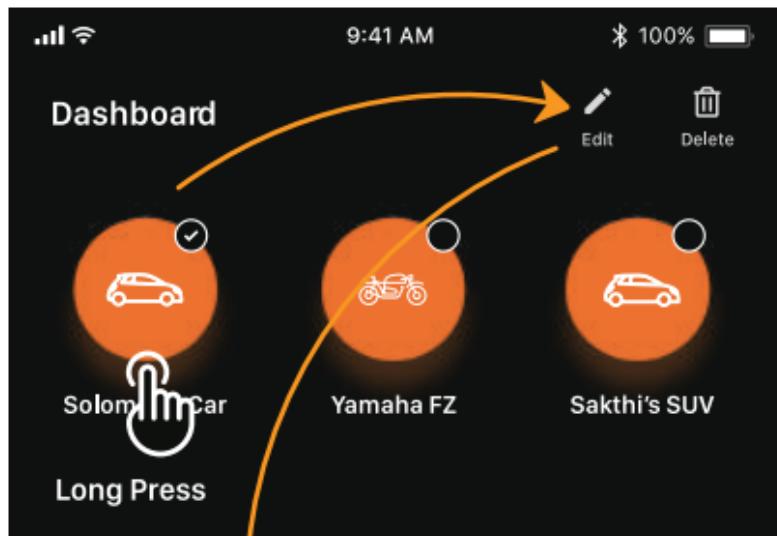
### Your Setup QR Code



## Card Sample

- Once QR code is scanned, a vehicle will be created immediately and will be named "Car" by default. You can access "Edit" option by long pressing the vehicle icon in dashboard to modify vehicle name and type (page 7).

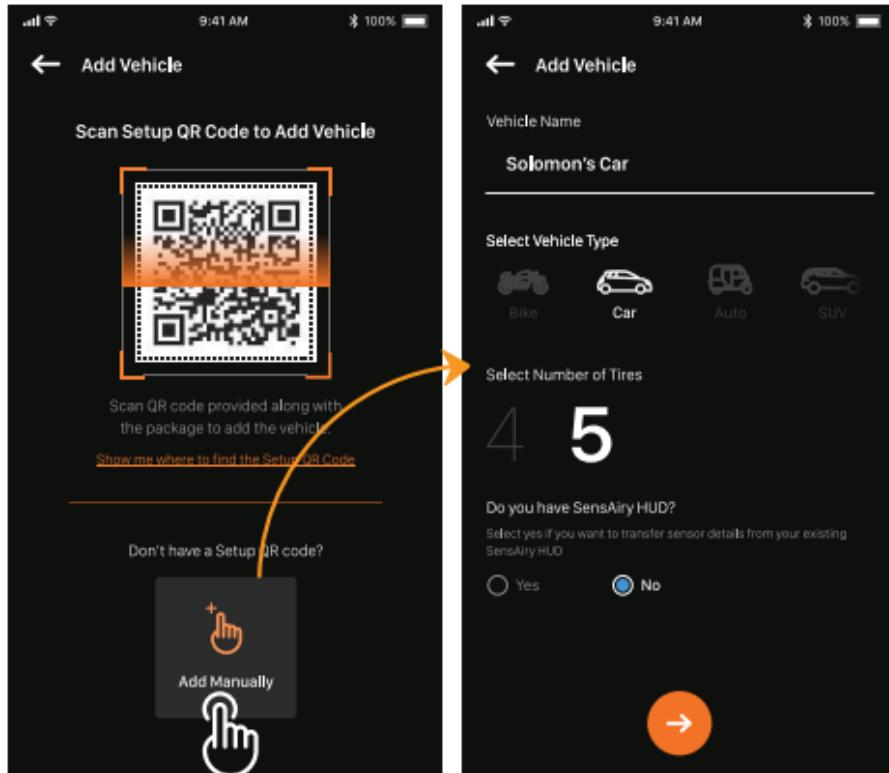
## Edit Vehicle



## 2. Add Vehicle Manually

- Start by tapping the 'Add Manually' button and enter vehicle name (for instance - Solomon's Car).
- Select your vehicle type.
- Select number of tires.
- Click Next.

Note: If you select "Yes" under "Do you have SensAiry HUD?", you will be guided to transfer your existing sensor details from your HUD.



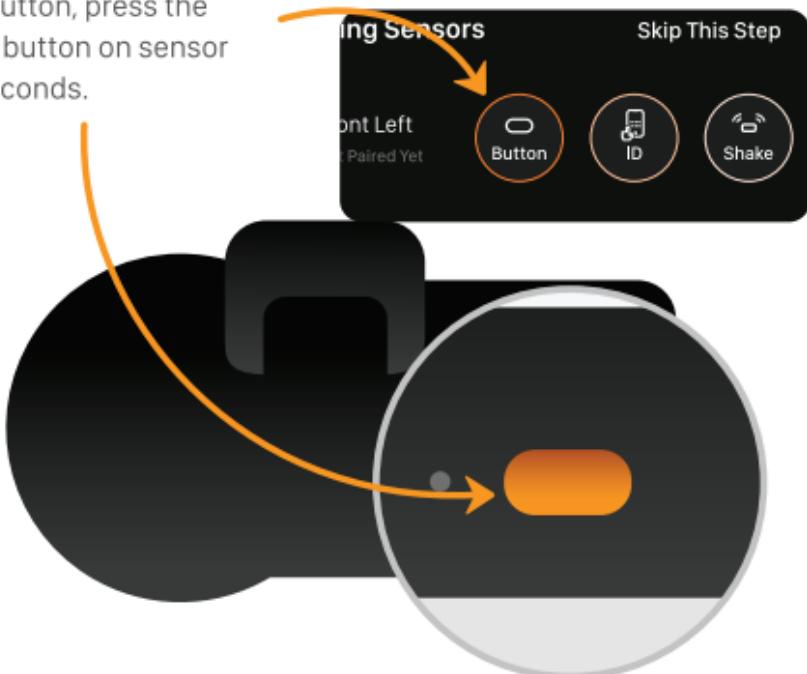
## Pairing Sensors Manually

You can pair a sensor by

- 1 Pressing the orange button on your sensor (supported only for sensors with button)
- 2 Manually entering Sensor ID (supported only for buttonless sensors)
- 3 By shaking your sensor (supported only for buttonless sensors)

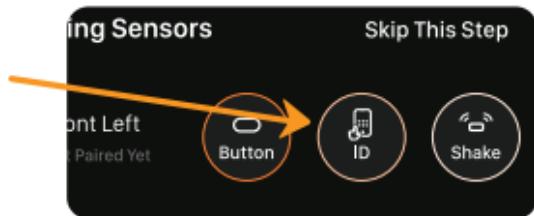
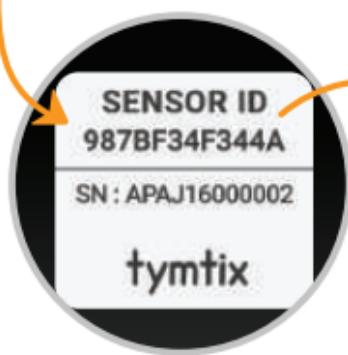
  

- Tap on appropriate option to pair a sensor. To pair using button, press the orange button on sensor for 3 seconds.

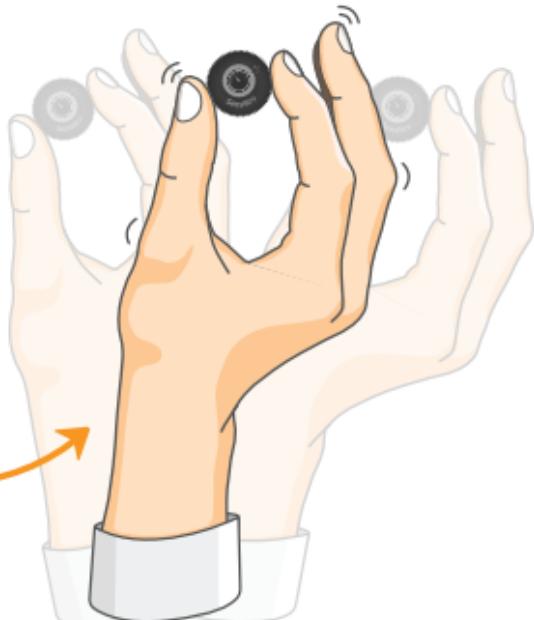


## Pairing Sensors Manually

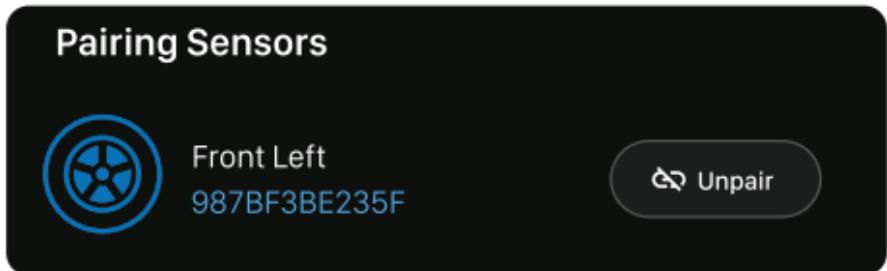
- To pair by manually entering sensor ID, see the Sensor ID printed on sensor and enter it manually.



- To pair by shaking a sensor (if you have a buttonless sensor), shake your sensor as shown in figure for 10 seconds.

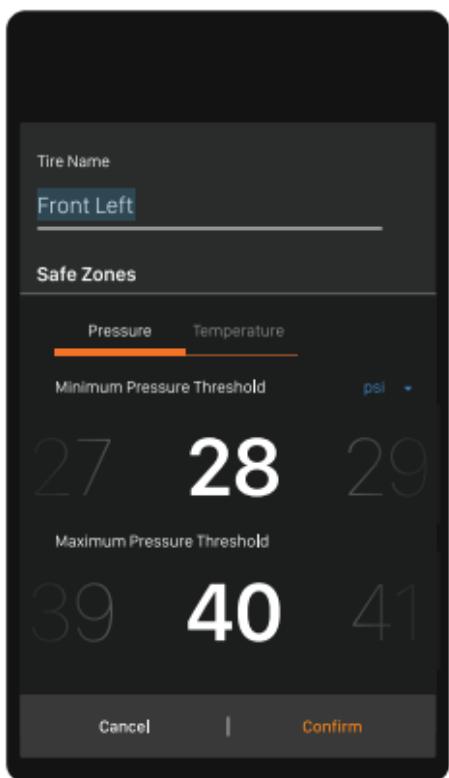
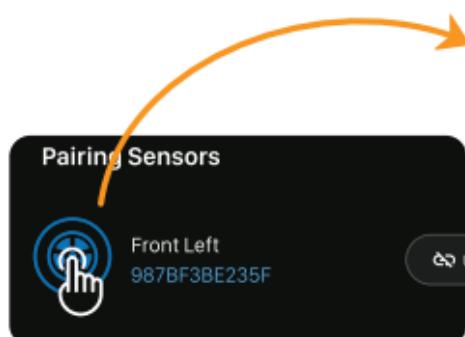


- As each sensor is **paired**, its respective **Sensor ID** will be displayed.



## Tire Settings

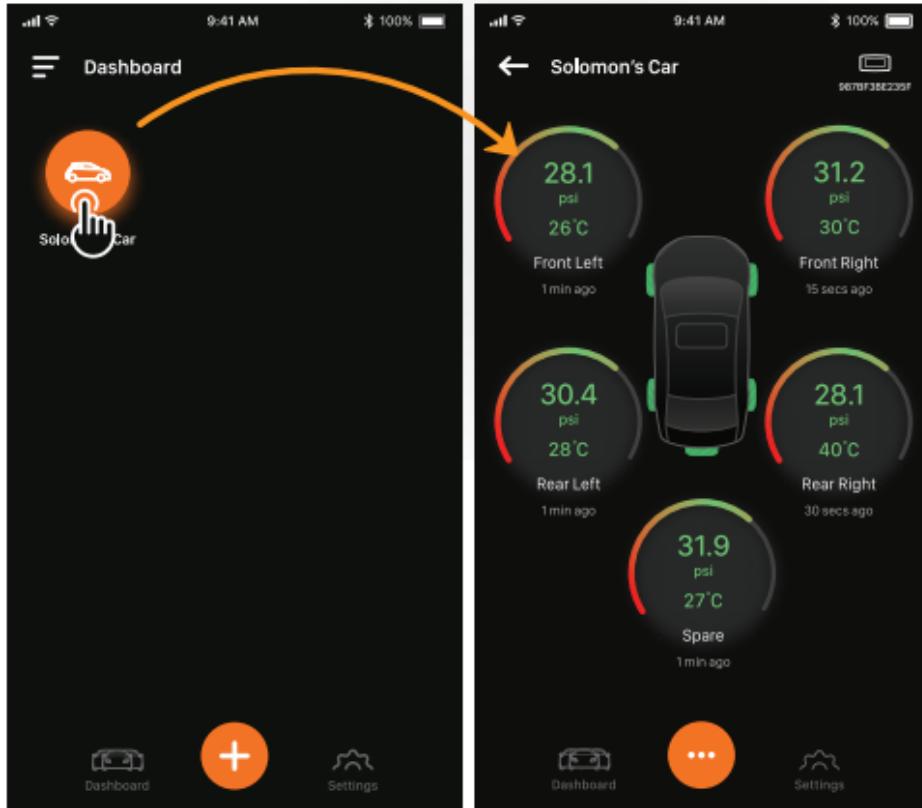
- By tapping on each tire icon on "Pairing Sensors" screen, you can modify tire name, set pressure and temperature safe zones of corresponding tire. When tire's pressure or temperature value is outside the safe zone set here, app will notify you with visual notification and audio alert.



- Tap **Confirm** and click **Next** button to save all the details and move to the corresponding reading screen.

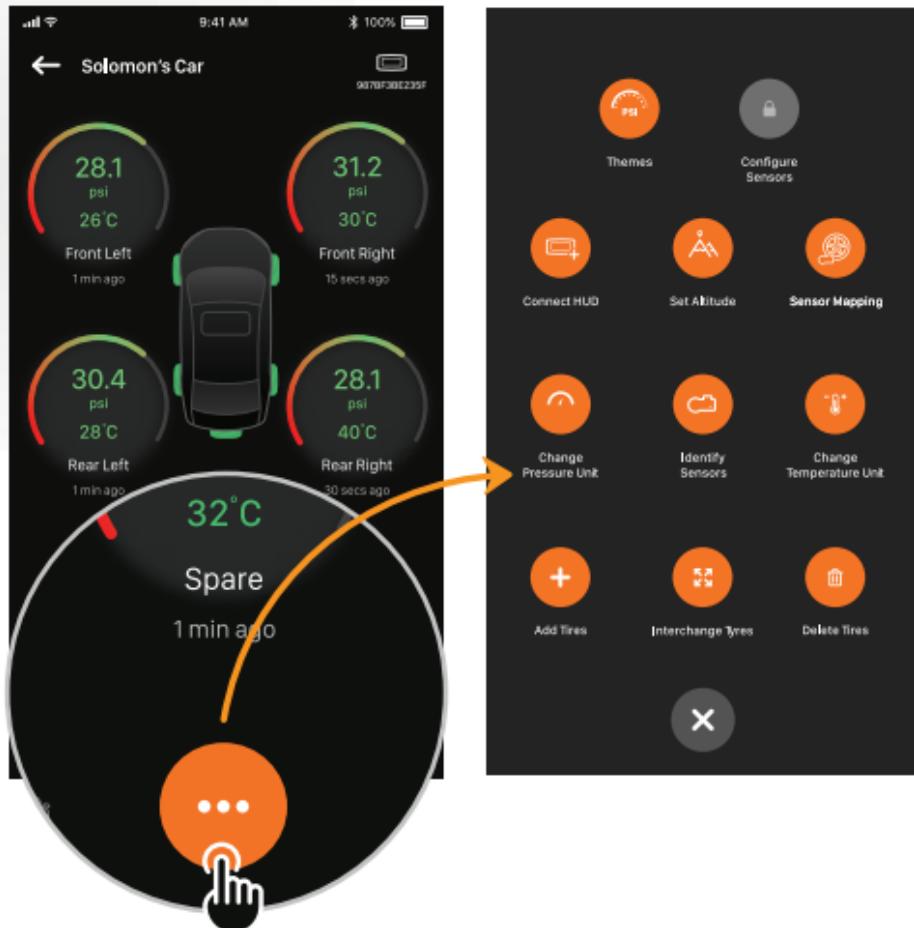
## Good To Go!

- In Dashboard screen, you can tap on any vehicle to access its sensor readings.



## App Menu

- All tire and sensor related operations are performed from reading screen. Tap on menu icon at the bottom of screen to access different operations you can perform for each tire.

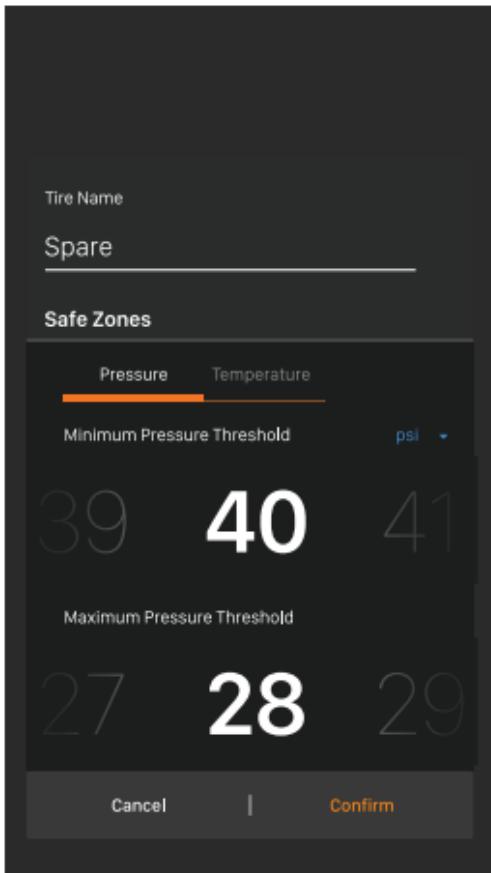
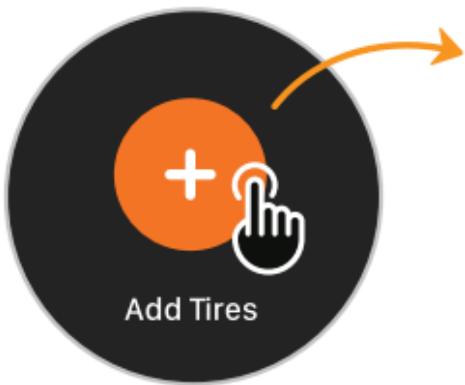


# APP FUNCTIONALITIES

## ADD TIRES

This option allows you to add extra tires to your in-app vehicle.

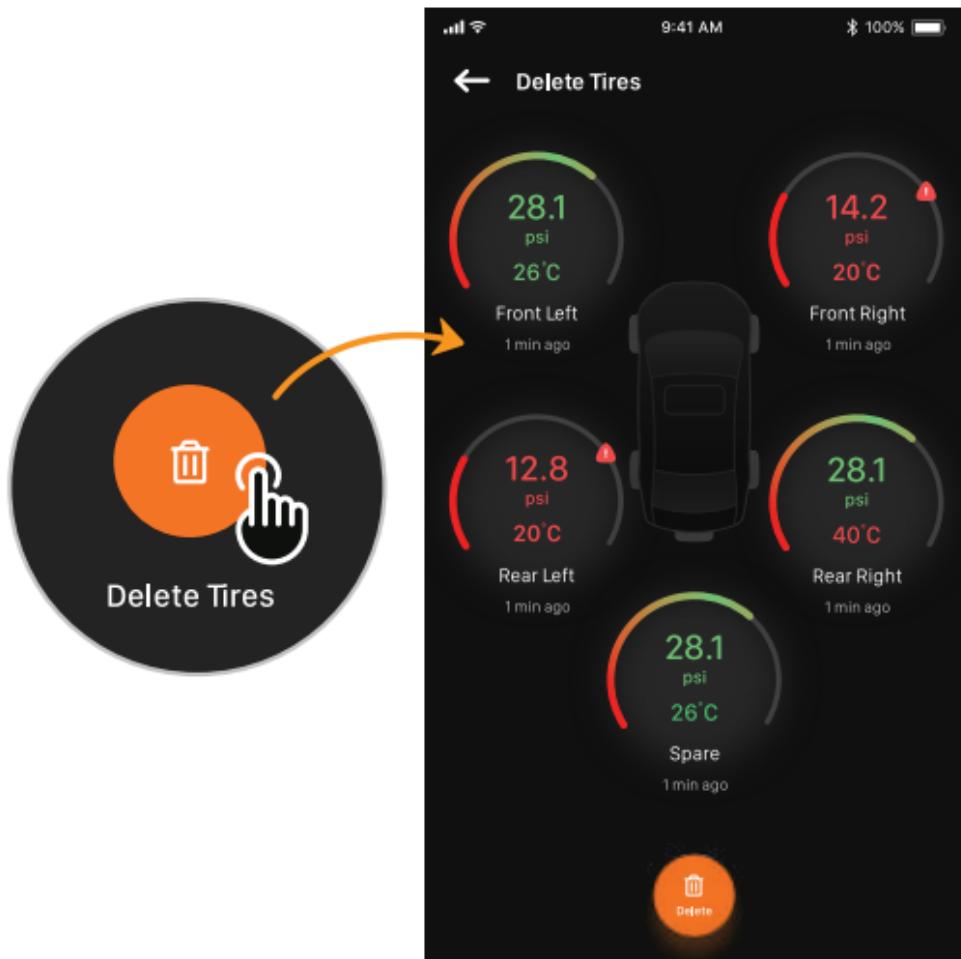
Open menu options from the bottom of reading screen. Find "Add Tires" button and tap on it. Once tapped, a pop up will be displayed where you can name the added tire and change it's pressure and temperature safe zone values. Tap confirm to save changes made.



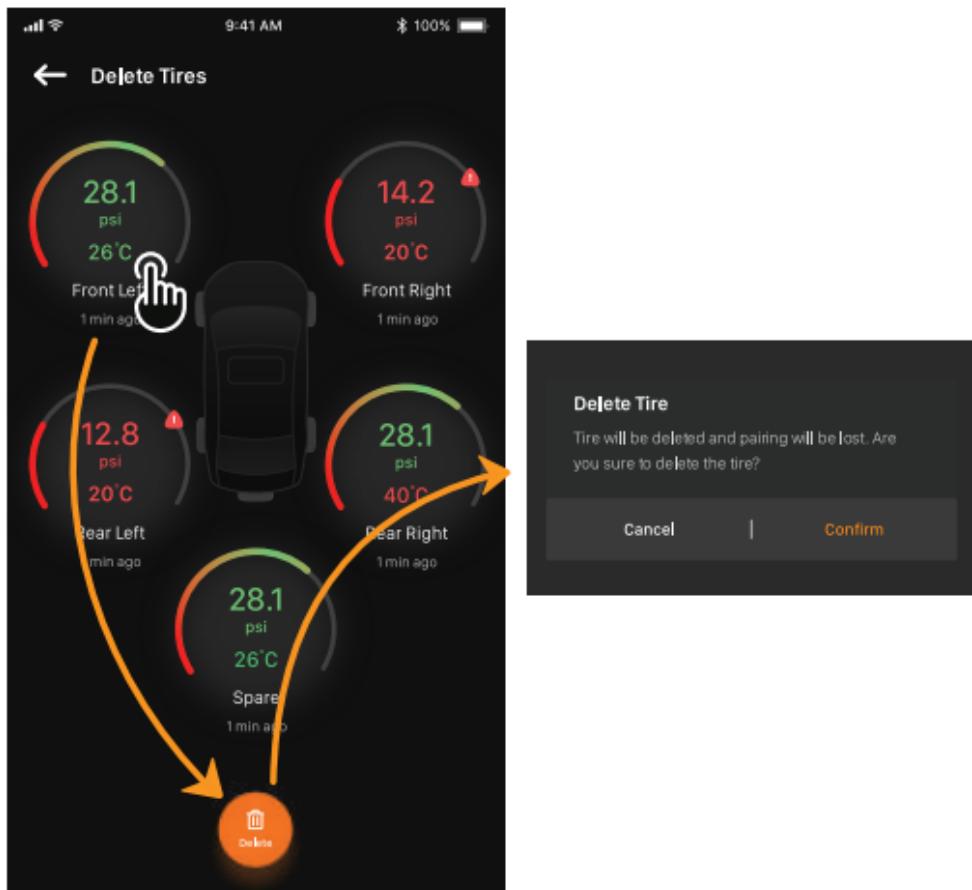
## DELETE TIRES

This option allows you to delete tires from your in-app vehicle.

Open menu options from the bottom of reading screen. Find “Delete Tires” button and tap on it. Once tapped, you’ll be reverted back to reading screen with a delete button at the bottom.



To delete a tire, long press on the reading dial, drag and drop it to the delete icon. A popup asking for confirmation of the operation will be displayed.



Press confirm to save changes and exit or press cancel to revert back to the reading screen discarding the changes made.

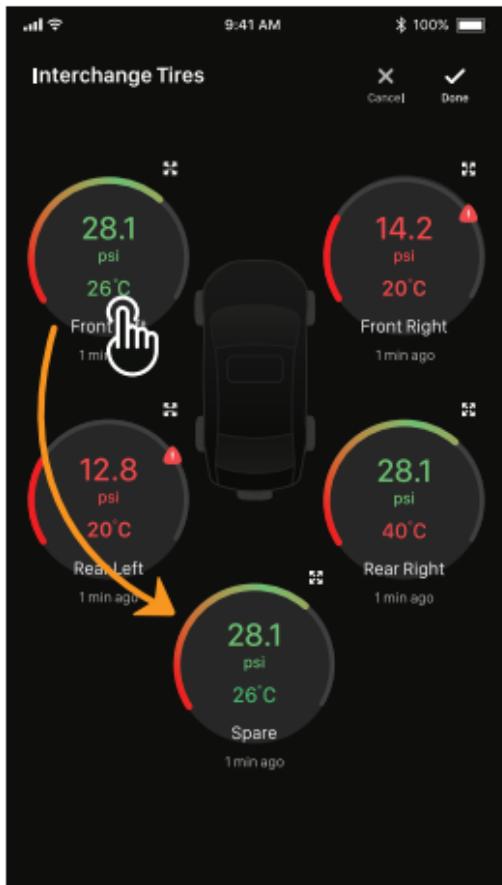
## INTERCHANGE TIRES

This option allows you to interchange tires of your in-app vehicle. This feature comes in handy after you do a tire rotation for your vehicle.

Open menu options from the bottom of reading screen. Find “Interchange Tires” button and tap on it. Once tapped, you’ll be reverted back to reading screen where you can perform interchange operation.



To interchange a tire, long press on the reading dial, drag and drop it to another reading dial you want to interchange it with. Repeat the process if needed for remaining tires.

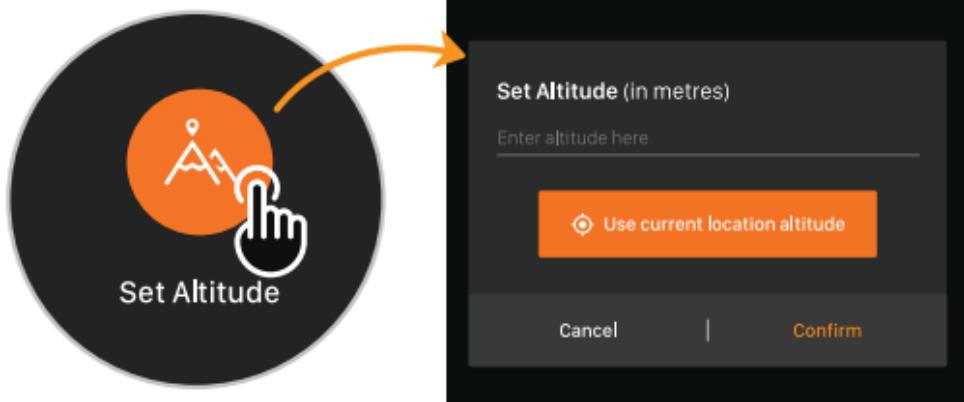


Press "Done" to save changes and exit or press "Cancel" to revert back discarding the changes made.

## SET ALTITUDE

This option allows you to modify altitude value as per your vehicle's location. By default, the altitude will be 0 meters (sea level). A global setting to change altitude is also available under app settings.

Open menu options from the bottom of reading screen. Find "Set Altitude" button and tap on it. Once tapped, a pop up will be displayed where you can enter altitude value manually or by using current location (GPS Required). Tap confirm to save changes made.

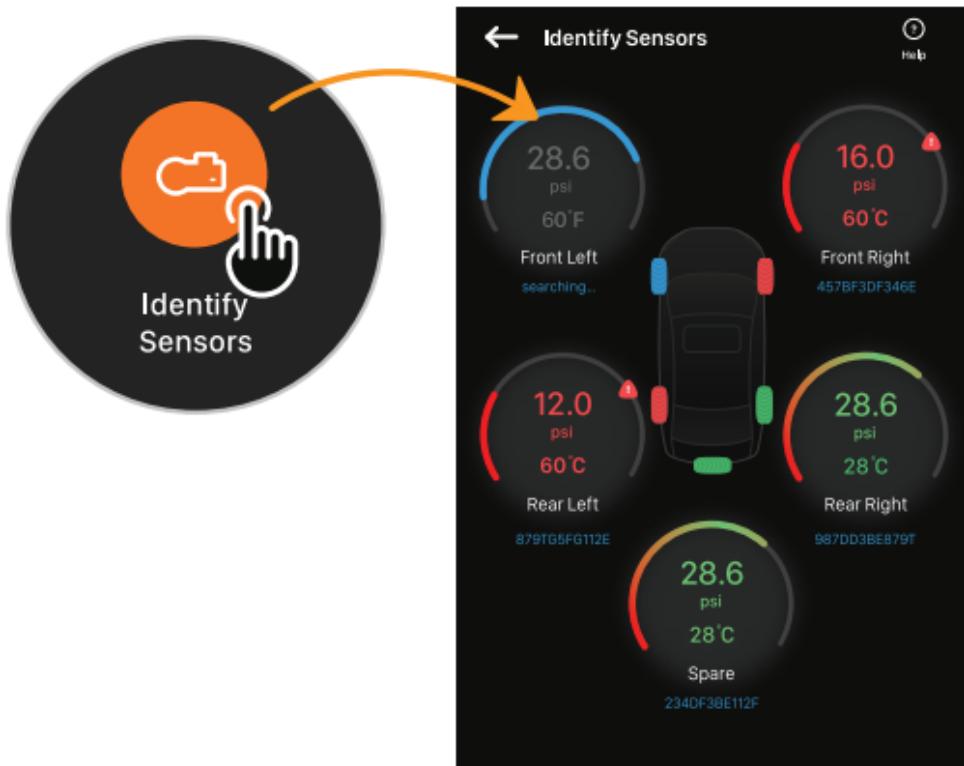


## IDENTIFY SENSORS

If you don't know which sensor is installed in which tire, you can perform identify sensors operation.

**Note:** It is recommended to perform this operation from a tire shop or a gas station, as it is required to release some amount of air from your vehicle tires, and you might need to fill in air afterwards.

Open menu options from the bottom of reading screen. Find "Identify Sensors" button and tap on it. You'll be taken to the reading screen and the first tire will be in searching mode. Tap on another tire dial if you need to change search to that tire. Release approx 5 PSI of air from the selected tire of your vehicle and wait till Identified Sensor ID is displayed. Repeat the process for remaining tires. Once all the tires are identified , you'll be taken back to reading screen.

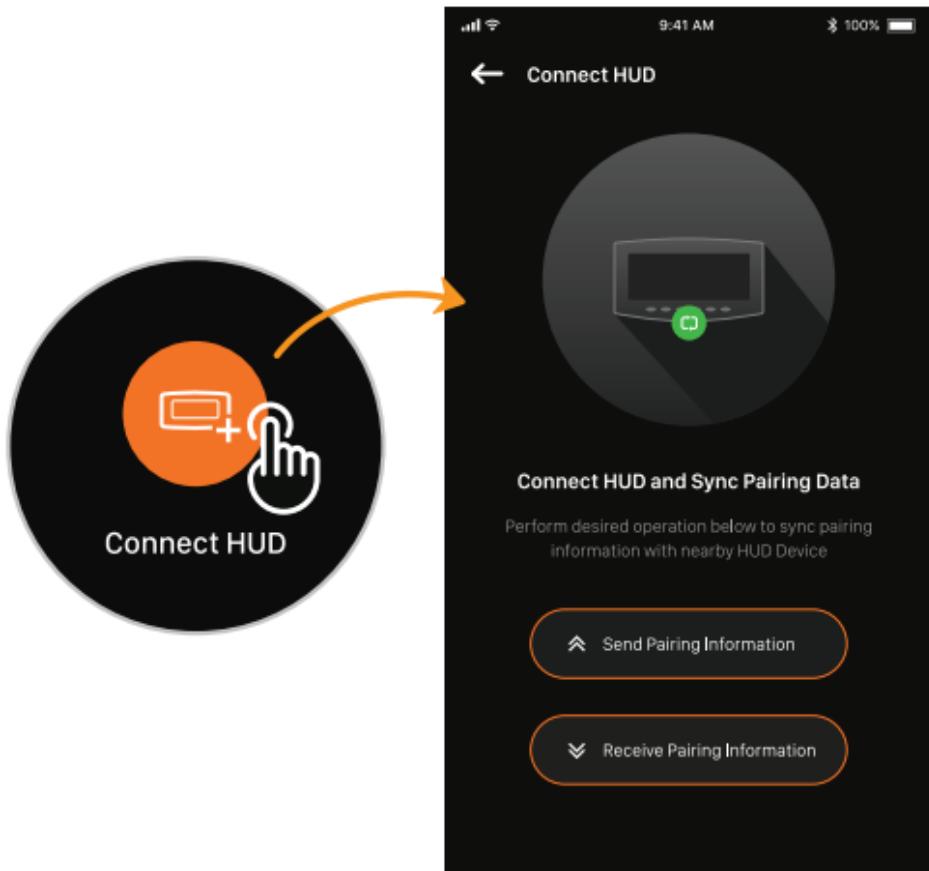


Note: It is recommended to do the operation for all the paired tires. If you interrupt the operation, all the changes made will be unsaved and you'll be taken back to reading screen with no effective changes.

## CONNECT HUD

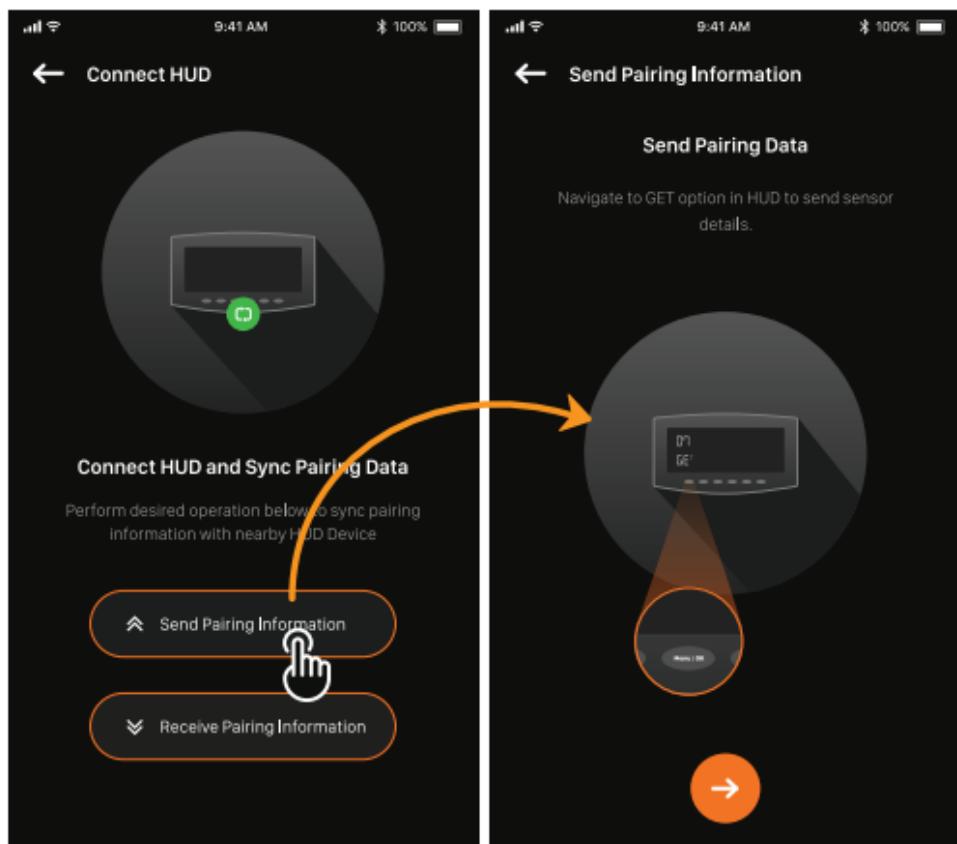
This option allows you to transfer existing sensor details from or to the HUD.

Open menu options from the bottom of reading screen. Find "Connect HUD" button and tap on it. Once tapped, you'll be taken to connect HUD screen where you can send or receive pairing information. If you have a brand new HUD you can send pairing info from your smartphone. If you want your smartphone to receive pairing information from HUD, select receive pairing info option.



## Send Pairing Information

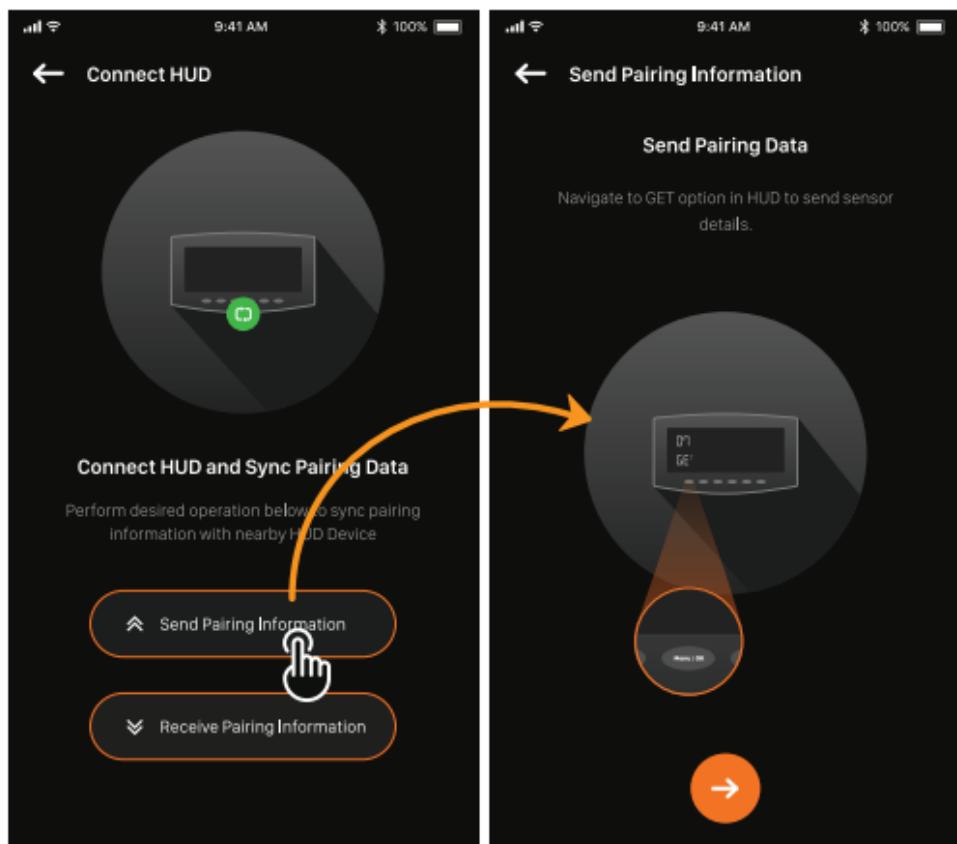
If you select “Send Pairing information” you’ll be taken to “Send Pairing information” screen where you’ll be guided to perform this operation.



**Note:** In order to send pairing information to HUD, every tire present in the app must be paired. If you have unpaired tires, this operation cannot be performed.

## Receive Pairing Information

If you select “Receive Pairing information” you’ll be taken to “Receive Pairing information” screen where you’ll be guided to perform this operation.



Note: Tires present in the app must not have any pairing info, in order to receive pairing information to your smartphone. If the number of tires mismatch with those in HUD, app will overwrite the information.

## SENSOR MAPPING

This option allows you to identify the sensor IDs associated with each tire and it comes in handy at the time of installation.

Open menu options from the bottom of reading screen. Find “Sensor Mapping” button and tap on it. Once tapped, you’ll be taken to sensor mapping screen where you find the list of tires and sensors associated with it like in the figure shown below.



## CHANGE PRESSURE UNIT

This option allows you to modify unit of pressure for your reading screen. By default, the unit will be PSI. A global setting to change pressure unit is also available under app settings.

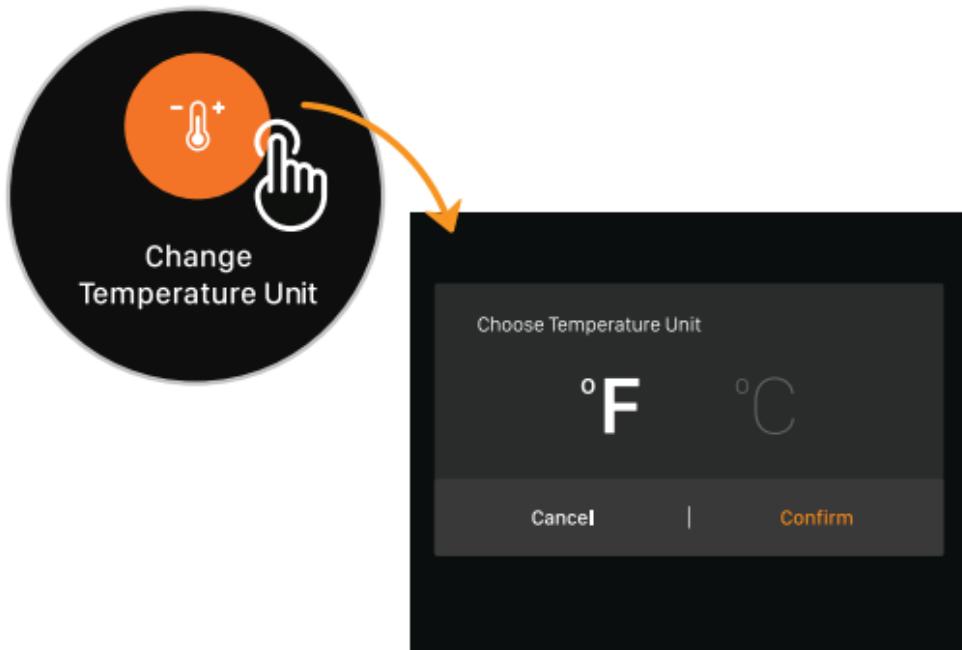
Open menu options from the bottom of reading screen. Find "Change Pressure Unit" button and tap on it. Once tapped, a pop up will be displayed where you can change pressure unit by tapping on the desired unit. Tap confirm to save the changes made.



## CHANGE TEMPERATURE UNIT

This option allows you to modify unit of temperature for your reading screen. By default, the unit will be °C. A global setting to change temperature unit is also available under app settings.

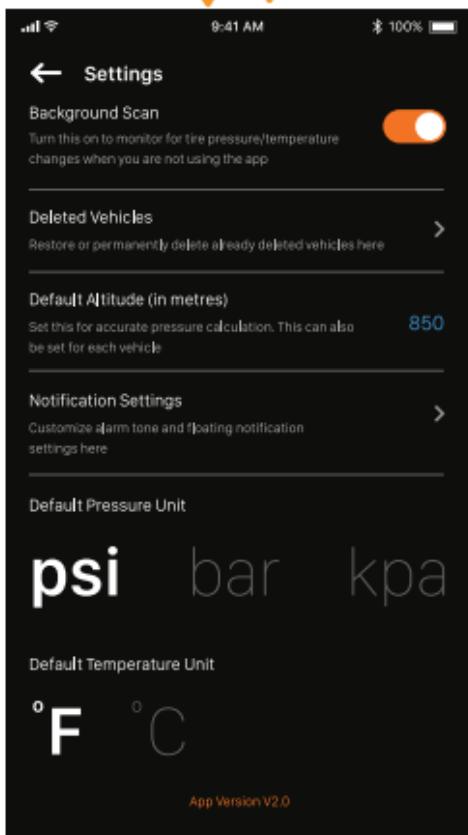
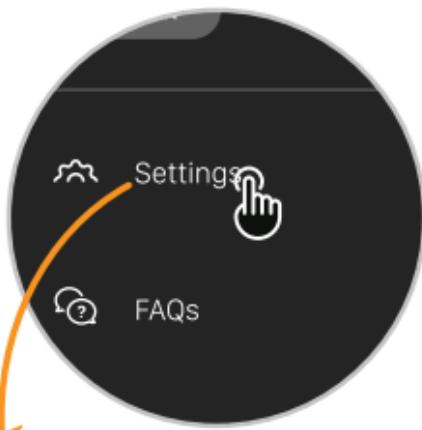
Open menu options from the bottom of reading screen. Tap on "Change Temperature Unit". Once tapped, a pop up will be displayed where you can change temperature unit by tapping on the desired unit. Tap confirm to save the changes made.



## CUSTOM NOTIFICATION ALERT

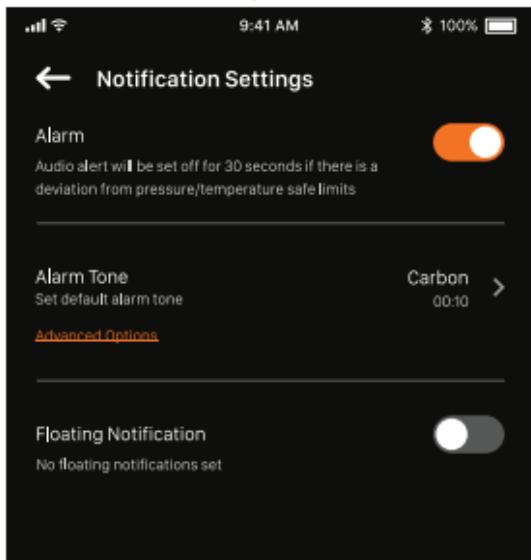
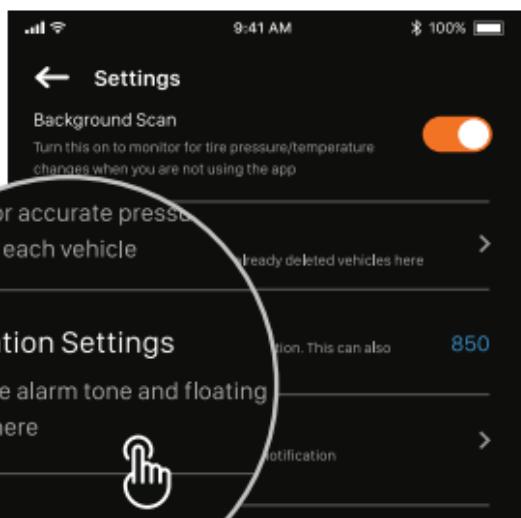
The app provides custom notification alerts, depending on levels of critical state of your tire's air pressure.

These settings can be found under settings menu, which is present under sidebar of the app and is also located on bottom right corner of dashboard as well as reading screens.



## STEP 1

- Once you are in settings screen, tap on notification settings.

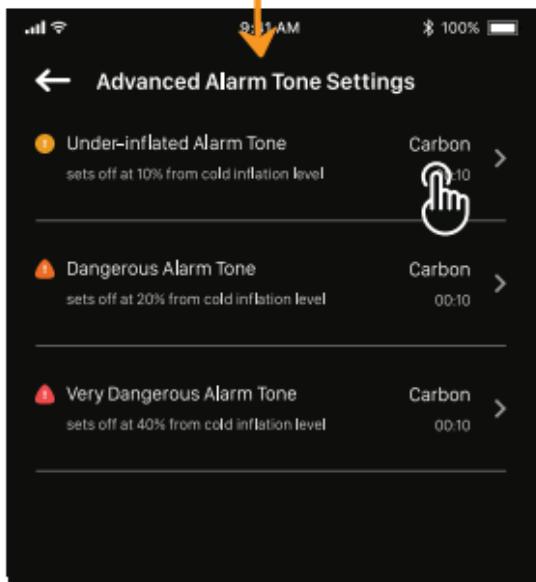
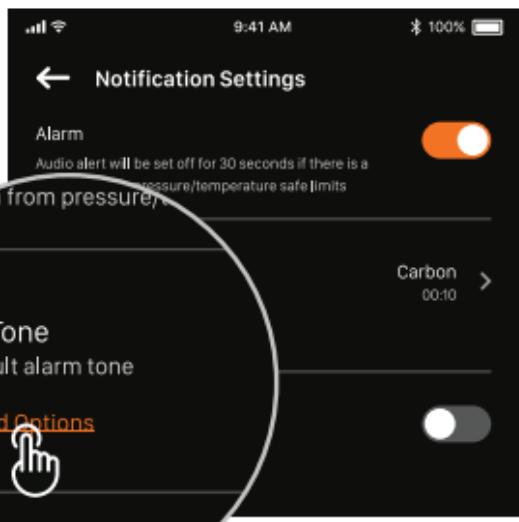


## STEP 2

- Alarm will be on by default. If not, turn it on.

## STEP 3

- Tap on Advanced Options.

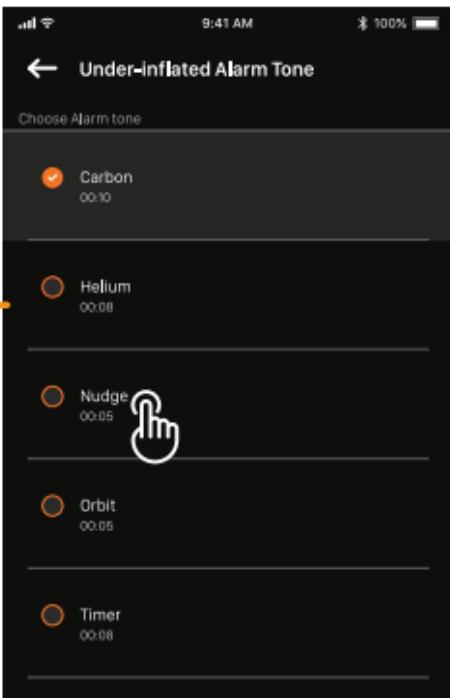
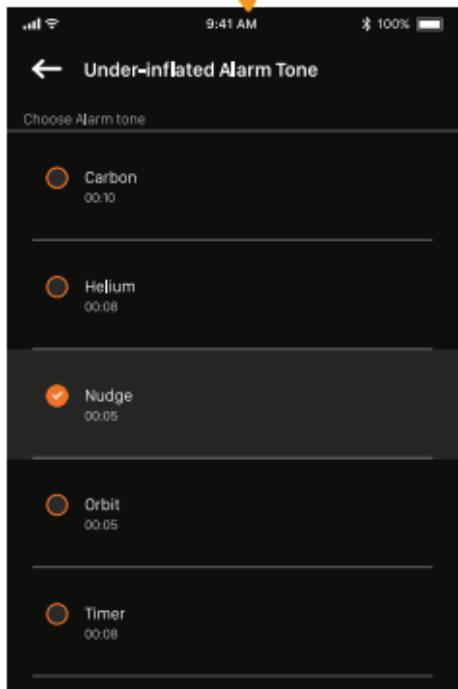
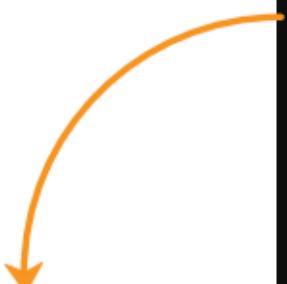


## STEP 4

- By default, all three critical level alert tones are set to Carbon. To change, tap on desired item.

## STEP 5

- You'll be provided with 5 alert tones to choose from. If you want to set a new alert tone, tap on it.



## STEP 6

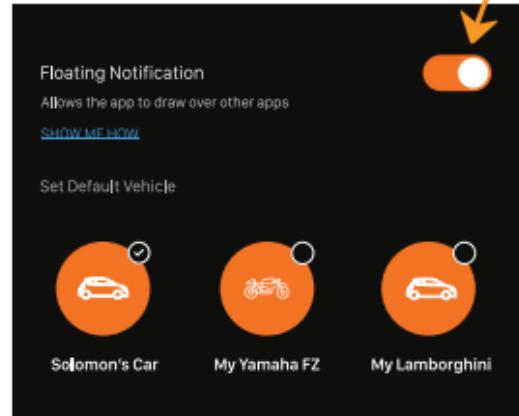
- Once desired alert tone is selected press back button to save changes. Repeat the process for other alerts also as you please.

## FLOATING NOTIFICATIONS

This option (available only for android users) allows you to monitor tire pressure of a vehicle when you are using another app.

### STEP 1

- Once you are in settings screen, turn floating notification on.



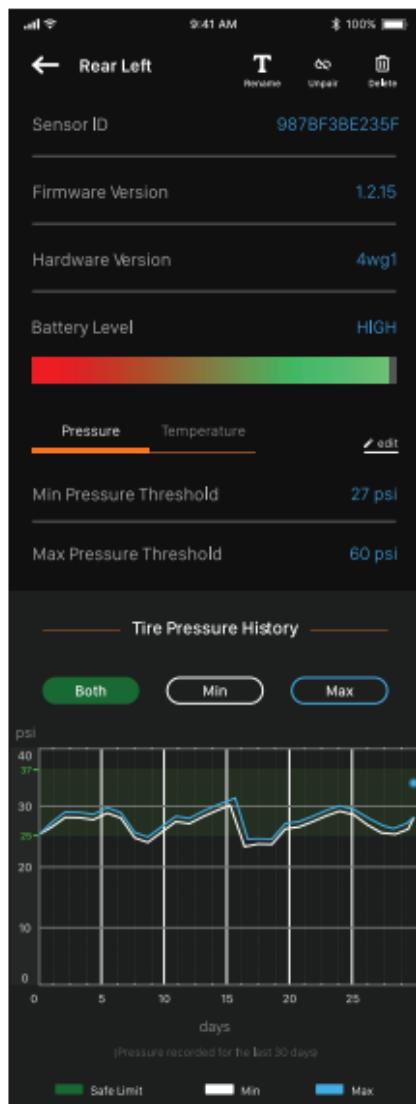
### STEP 2

- If you have only one vehicle added, it'll be selected. If you have multiple vehicles, you can change the selection by tapping on the desired vehicle.

**Note:** If you want to have a short view on how floating notification works, press on "SHOW ME HOW" button on the screen. You'll be guided through a number of screens which explains this feature.

## TIRE INFO

- Tap on dial to see sensor related information such as firmware version, battery level, etc.



- In this screen, lowest and highest pressure and temperature recorded for last 30 days is displayed.
- You can also customize pressure and temperature safe zone from this screen.

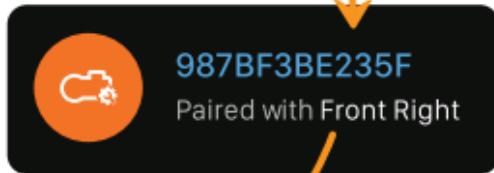
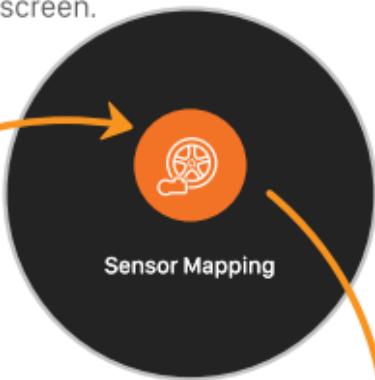


# HARDWARE INSTALLATION INSTRUCTIONS

# EXTERNAL SENSOR INSTALLATION

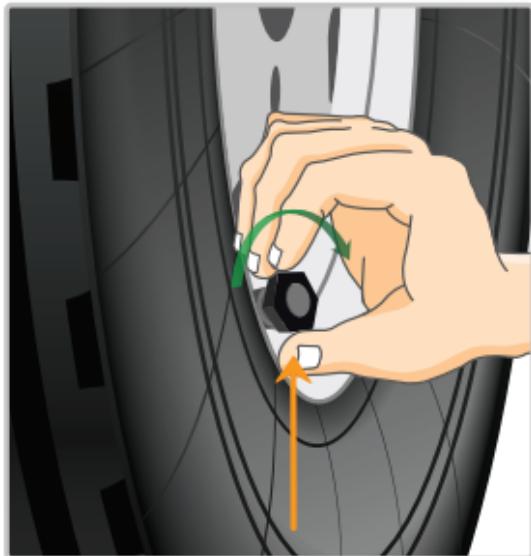
## STEP 1

Make sure sensors are installed on their corresponding tires by accessing Sensor Mapping option (Page 24) from the menu in readings screen.

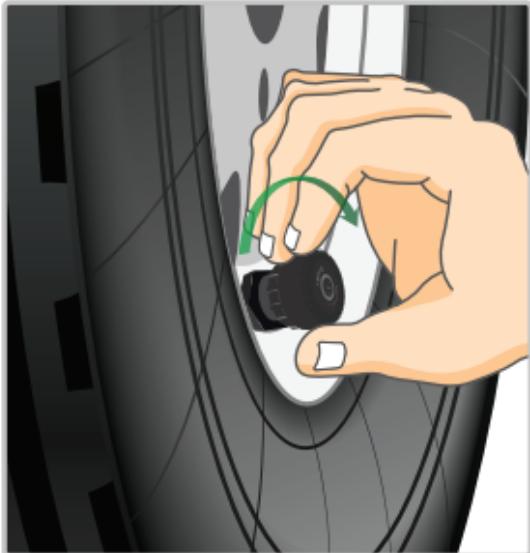


## STEP 2

Start off by mounting supplied lock nut on the air valve. Rotate the nut in clockwise direction.



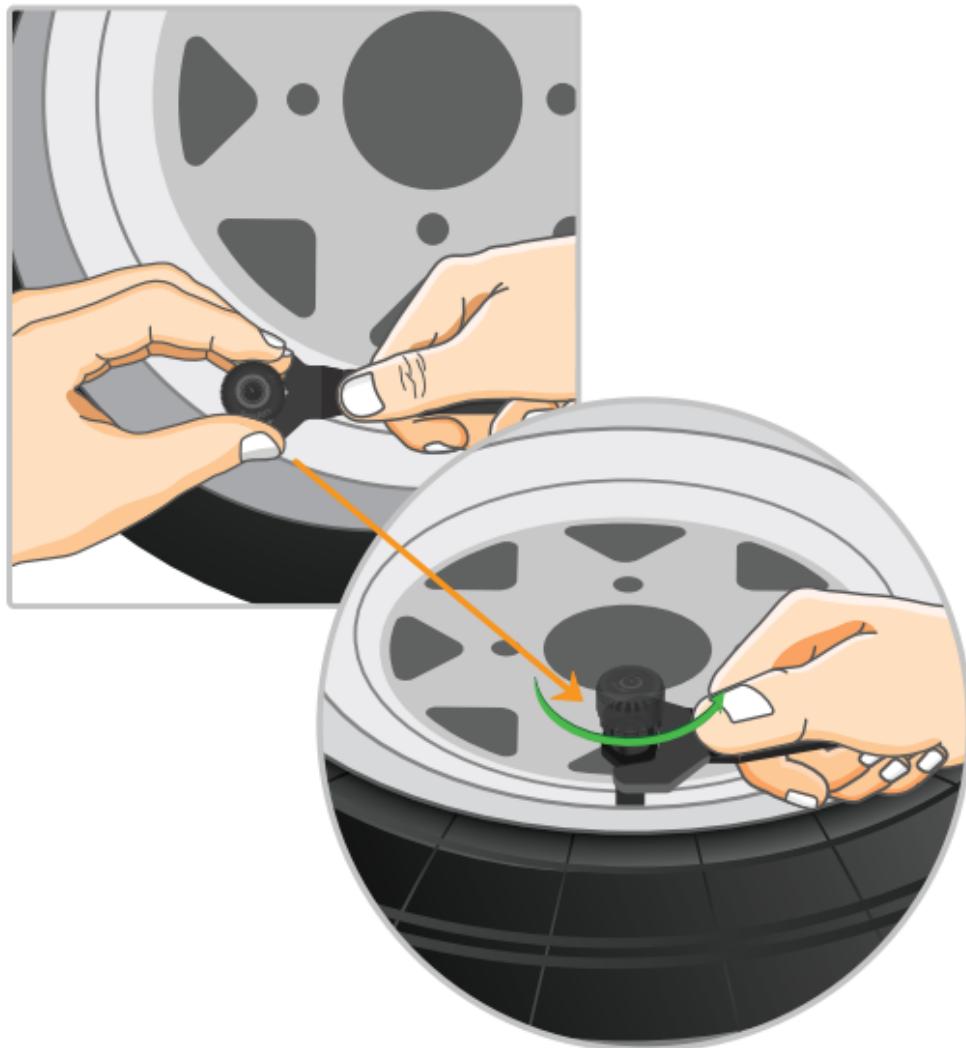
## STEP 3



Once the nut is fastened, mount the sensor on the valve and rotate it clockwise. Make sure it is tightly fastened.

## STEP 4

Use the wrench provided in the accessories to fasten the lock nut in anti-clockwise direction so that it locks the sensor in place. Keep the wrench on your vehicle as it will be required to remove the sensor while filling air.



# INTERNAL SENSOR INSTALLATION

## Warnings

- Installing the sensors must be carried out by a professional tire technician.
- Your tire technician must ensure right sensor is installed in the right tire as per the configuration set in the phone by referring to sensor mapping option (Page 24) under menu.
- Ensure the label is facing towards the sky at the time of installation.
- Always wear protective eye wear while remove/installing valve stems.
- When installing valves, never reuse used valves.
- Ensure vehicle is parked on a flat and safe surface and ensure vehicle is in Parking mode with handbrake on.
- Deflate the tire completely before installing the sensor.

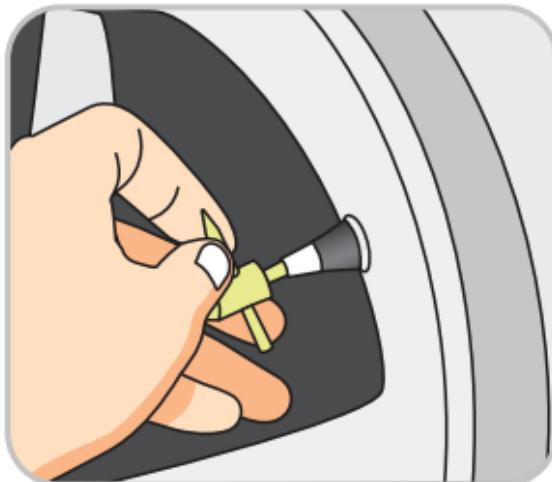
## SENSORS WITH BUTTON

### STEP 1

Make sure sensor is installed in its corresponding tire by accessing Sensor Mapping option from the menu in readings screen. (Refer page 24)

### STEP 2

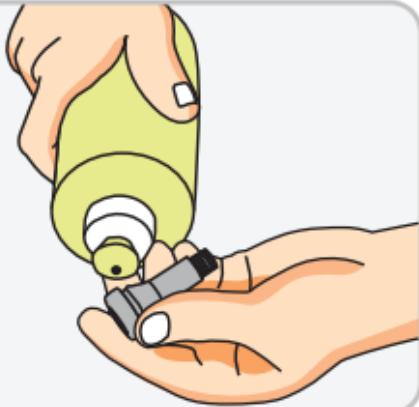
Start by breaking the bead of the tire from the rim by using a crowbar or a similar tool. Ensure that the tool is not placed close to the existing valve as it may damage the sensor if that tire already has one.



### STEP 3

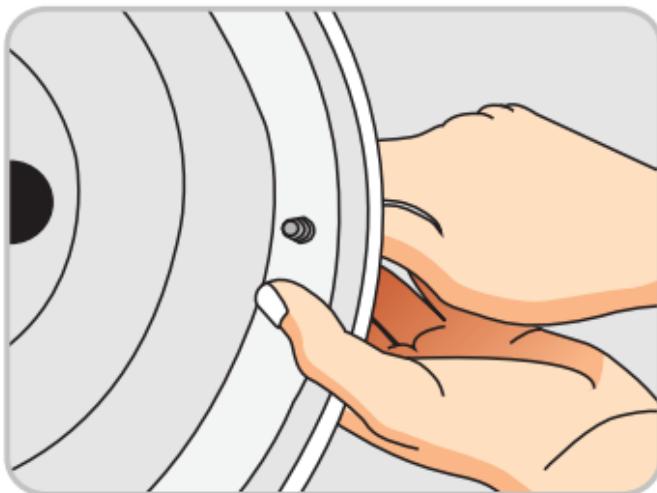
After the tire is removed, using the valve stem insertion/removal tool or similar tool, remove the existing valve.

## STEP 4



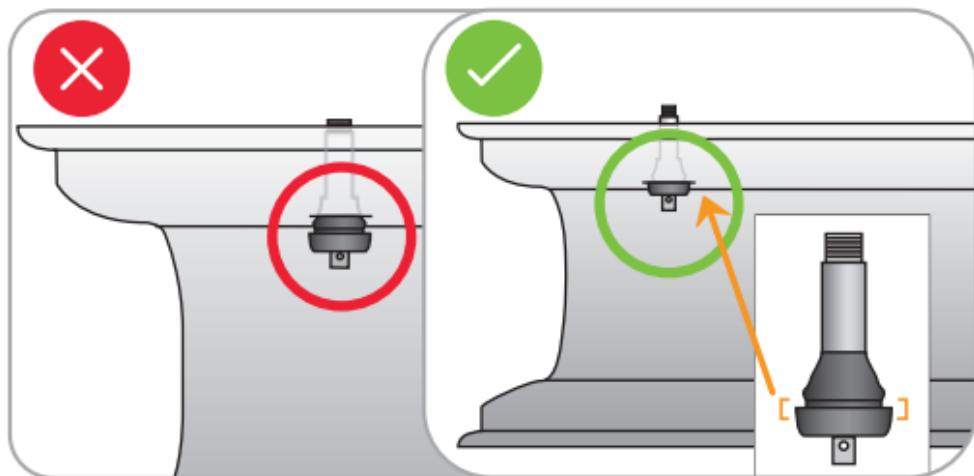
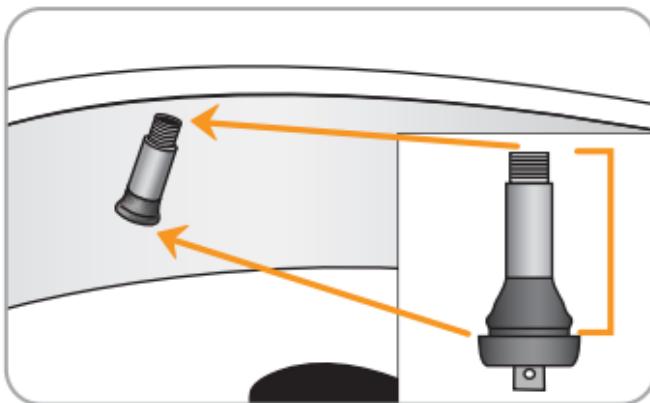
Coat the stem valve that comes with SensAiry with appropriate lubricant.

Insert the valve stem through the valve hole in the rim. Using the valve stem insertion/removal tool, pull the valve stem through the rim hole until the bottom ring at the base of the stem is touching the inside of the rim and the top ring at the base of the stem is on the outside of the rim.



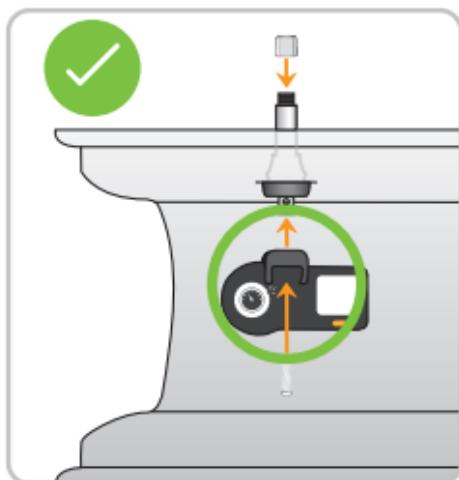
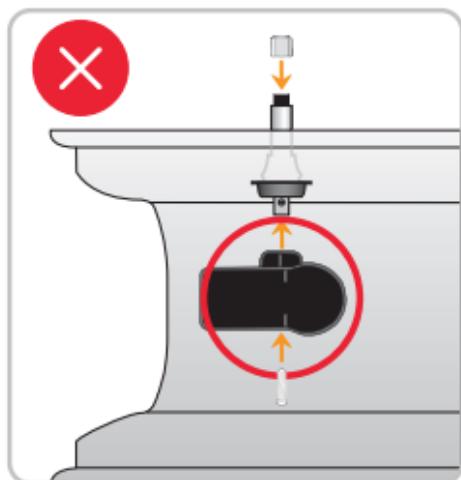
## STEP 5

Ensure the valve is properly installed by moving it side to side for a snug fit. The bottom of the valve will have a ridge completely visible. Similarly, check the bottom of the valve stem for snug fit.



## STEP 6

Screw the sensor to the valve stem using the screw provided along with the valve stem. Ensure that the label is facing away from the center of the rim.



Mount the tire to its expected location on the wheel and inflate to the manufacturer recommended pressure. Mounting at the wrong location will give incorrect reading on the app.

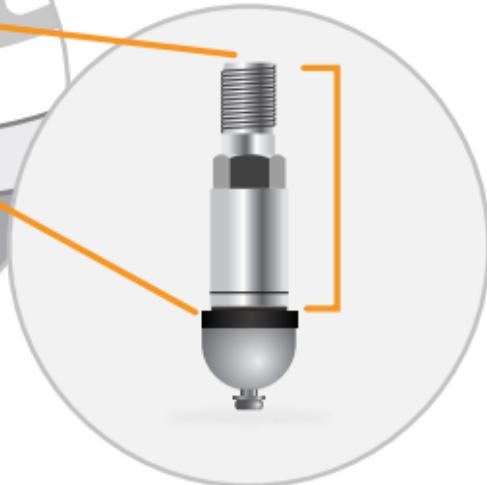
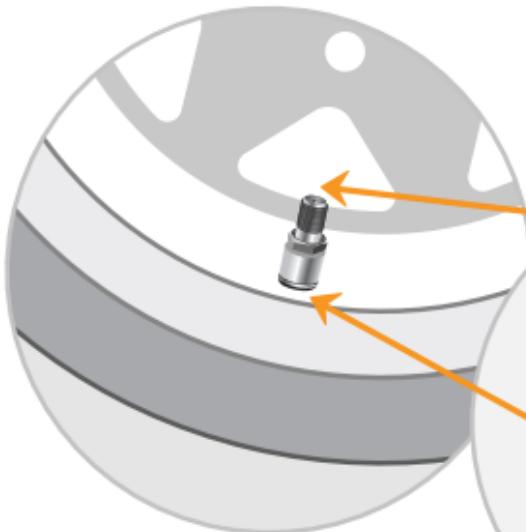
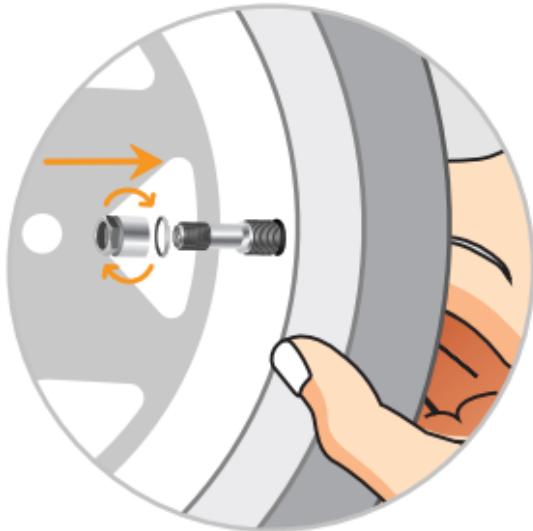
## SENSORS WITHOUT BUTTON

If you have a buttonless sensor, **perform steps 1, 2, 3, and 4** from installation instructions of **sensors with button**.

## STEP 1

Once the valve stem is properly placed on the rim, insert the washer and the nut and rotate in clockwise direction and fasten as tight as possible.

Ensure the valve is properly installed by moving it side to side for a snug fit.

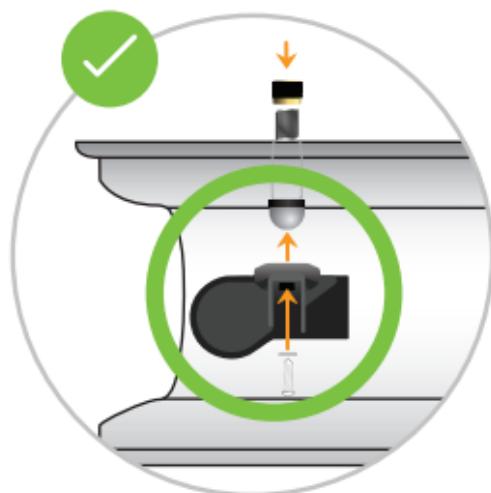


## STEP 2

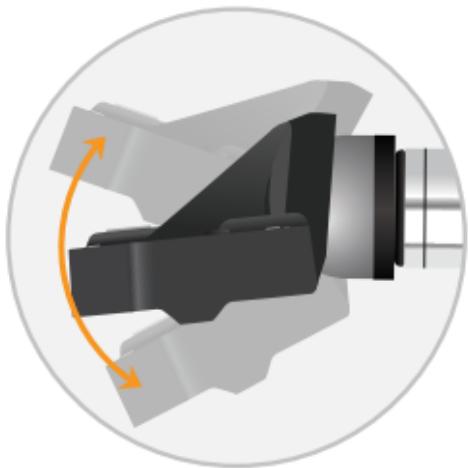
The bottom of the valve will have its ridge completely visible. Similarly, check the bottom of the valve stem for snug fit.



## STEP 3



Screw the sensor to the valve stem using the screw provided along with the valve stem. Ensure that the label is facing away from the center of the rim.



Before you fasten the screw, change the angle of fitting by tilting the sensor to the sides as you please. This will help you keep the sensor from touching the tire rim.

## Warning:

Installing the sensor with label facing towards the center of the rim will lead to faster battery drain.

## FCC Declaration of Conformity

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THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS.

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

**Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

## IC Statement of Conformity

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment complies with the ICES RF radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux radiations ICES définies pour un environnement non contrôlé.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

- (1) Cet appareil ne doit pas causer d'interférences.
- (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.



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