

AirCheck BLE

User Guide

Please review this entire guide
before using AirCheck BLE.

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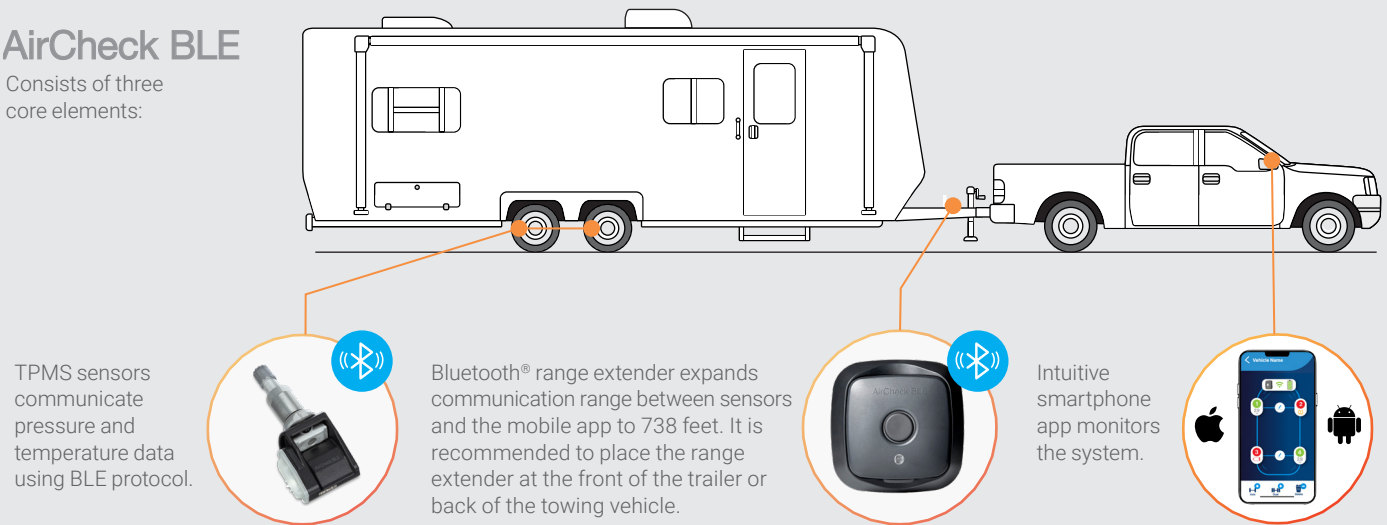
AirCheck BLE enhances your safety and comfort on the road by delivering real-time pressure readings through a user-friendly mobile app. Please review this entire guide before use.

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AirCheck BLE

Consists of three core elements:



Box Contents

Your AirCheck BLE kit contains the following items:



Two TPMS Sensors

Included in every AirCheck BLE kit. Order individual sensors using Part Number 29501.

NOTE: Sensors can only be used on 0.453" rims. Sensors do not support 0.625" commercial tire rims with larger valve holes without adapter.



Range Extender

Comes with screws and tape for mounting.



Charging Cable

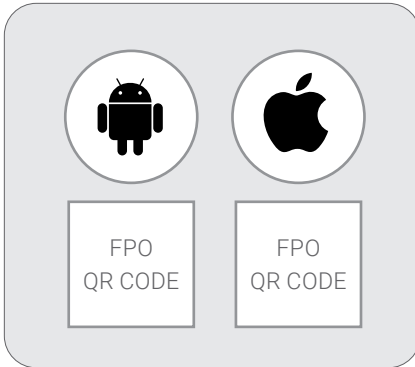
Charges the range extender.



It is recommended that your AirCheck BLE TPMS sensors are installed in your tires by a trained tire installer. SchraderTPMS assumes installers possess knowledge of current, generally accepted industry installation standards and practices.

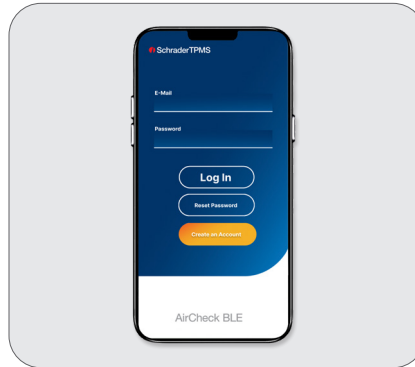
CAUTION: Incorrect installation may damage sensors and prevent correct operation of your system.

Set Up Guide



Step 1

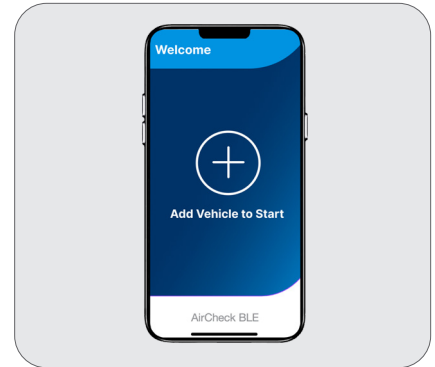
Download app.



Step 2

Create an account by selecting "Account Type" to configure the app and choose either:

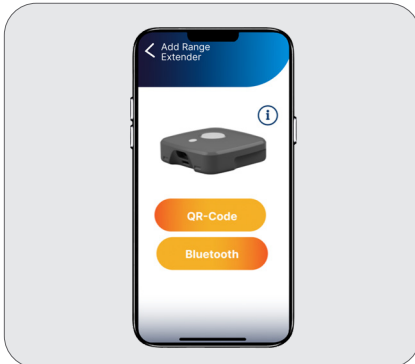
- "Individual" for personal use
- "Company" for tire installers



Step 3

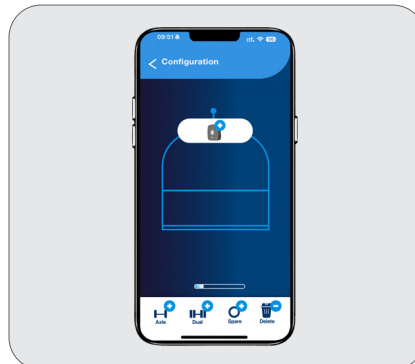
Set up the vehicle information by either:

- Manually configuring the vehicle
- Using the QR code setup (if another user has already configured the vehicle and is sharing it with you — see page 14 for instructions).



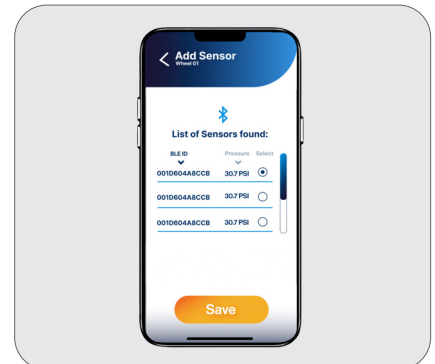
Step 4 (Skip for passenger car installations)

Add the range extender in the app, then install it on your vehicle (see page 5 for instructions).



Step 5

Configure the vehicle by setting the number of axles and wheels (see page 7 for instructions).



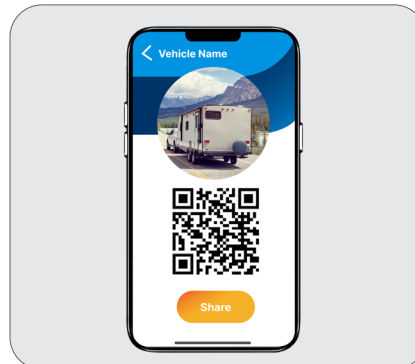
Step 6 (IMPORTANT!)

Add the sensors in the app before installing them on the wheel (see page 8 for instructions).



Step 7

Install the sensors as per instructions (see sensor mounting instructions on page 12 for details).



Step 8

Share the configuration QR code with another user. User will need to download the app, create a profile and use the QR code setup feature to import the entire configuration.

Connect & Add Range Extender

Connect Range Extender to the App

Before using the range extender for the first time, ensure it is fully charged. Select one of the two ways to add range extender and follow the instructions.

A QR Code

Scan the QR code on the range extender label. See page 6 for details on range extender installation positions.

NOTE: The app will show a "+" icon when a sensor/range extender is yet to be added, and an "✓" icon when a sensor/range extender has been added.

B Bluetooth

Make sure the range extender is turned on. Select it by checking the "Bluetooth" box. A list of available range extenders will appear. If unsure about which one to add, move closer to the extender. The list will refresh automatically to show the nearest one.

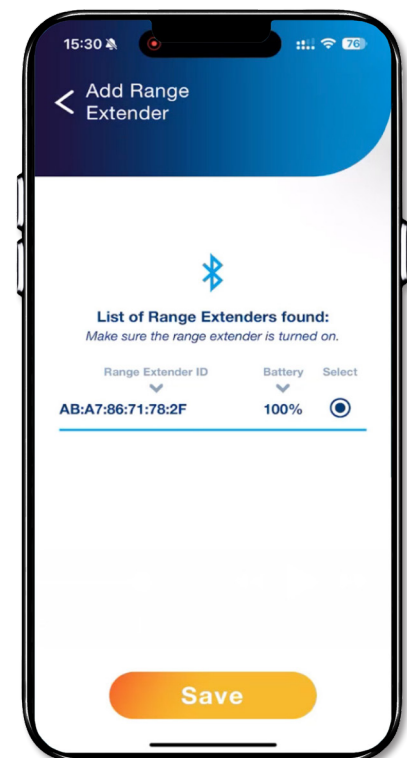
Add Range Extender

- To turn on the range extender, press and hold the button until the LED starts to flash.
 - Red flashes = Battery needs charging
 - Green flashes = Battery is sufficiently charged
- To turn off the range extender, press and hold the button until the LED starts to flash blue.

NOTE: The range extender can be kept on as it enters the low power state and the smart device isn't in range.

Use the included USB-A to USB-C cable to charge it. When continuously connected to the smart device, the range extender can operate for up to 28 days on a full charge before needing to be recharged.

The range extender's LED will appear red while charging and green when fully charged.

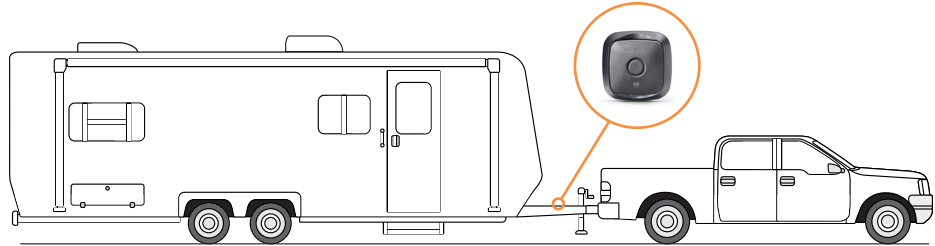


Range Extender Installation Positions

The range extender can be installed in one of the four recommended positions below.

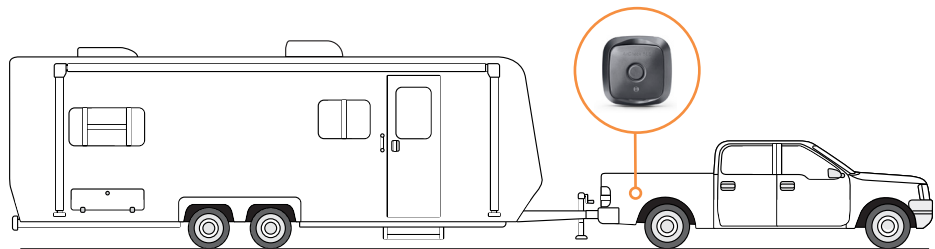
Position 1 — Outside

Outside on the tow bar



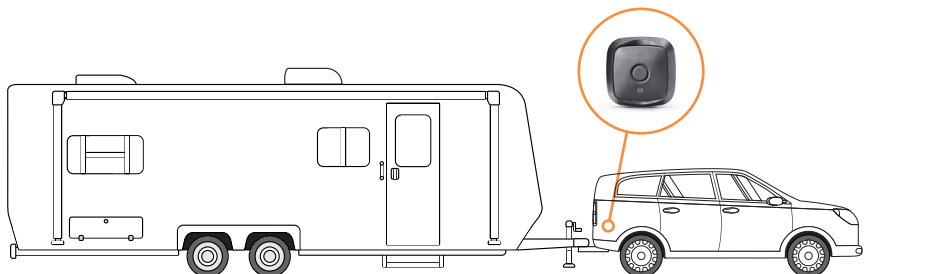
Position 2 — Outside

Inside the bed of the truck



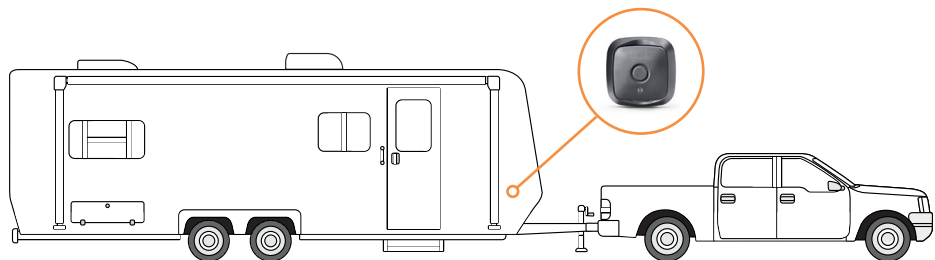
Position 3 — Inside

Inside in the trunk of a car or an interior storage compartment



Position 4 — Inside

Inside the front of an RV (do not place in metal locker)



Configure Vehicle

Configure Vehicle in App

Set number of axles and wheels using the icons



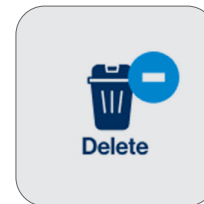
Add single axle



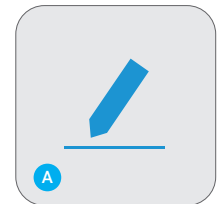
Add dual axle



Add a spare wheel



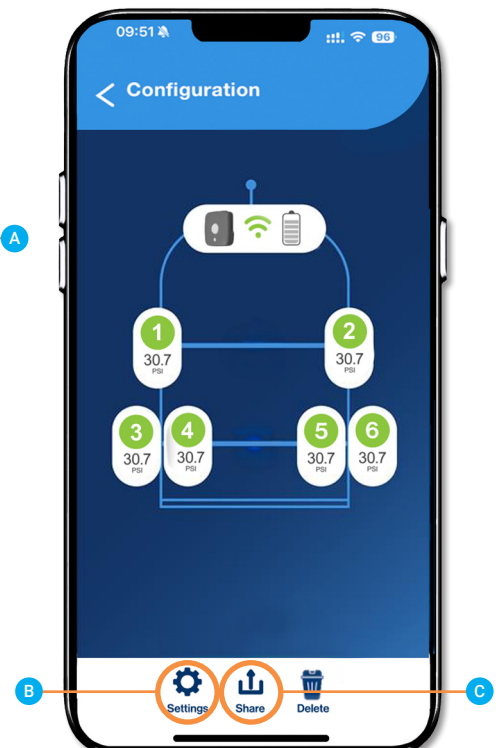
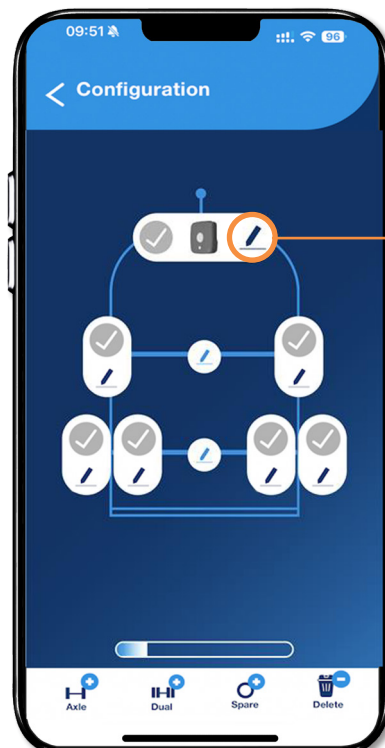
Delete axle(s) and/or spare wheel(s)



Modify the range extender or update the recommended axle pressure as needed.

*NOTE: Sensors/range extenders not yet added will be represented with a gray plus sign.
Added sensors/range extenders will be represented with a gray check mark.*

- A** Use the pen icon to make changes to the range extender and update the recommended pressure for all of the wheels on the axles.
- B** Use the settings icon to change pressure and temperature settings.
- C** Use the share icon to share configuration with another user.



Add BLE TPMS Sensors

Add BLE TPMS Sensors

Click on the plus icon of each tire to add sensors using one of the two methods below:

1. QR Code

Scan the QR code on the sensor located above the AirCheck BLE logo.



2. Assign the BLE tire sensor to the correct tire location on the vehicle (Use only if sensors were installed before connecting to the app)

App will display all BLE sensors within range.

To trigger sensor transmission:

1. Reduce the pressure in the desired tire by at least 1.5 PSI (0.1 Bar).
2. Select sensor with decreasing pressure value and assign it to the correct layout in the app.

Set Pressure

The app allows you to set the recommended pressure for each axle. Once you add all the tires for an axle, the app will automatically prompt you to set the recommended pressure for that axle. If you want to change the recommended pressure, use the pen icon located on the axle.

If unsure about the recommended pressure, select "Find Recommended Pressure" button.

Alerts & Meanings



Sensor connected and transmitting pressure information.



Sensor not transmitting. Drive, motion or pressure change is required to activate sensors.



Wrong tire pressure detected.



Sensor battery is low, please replace sensors.



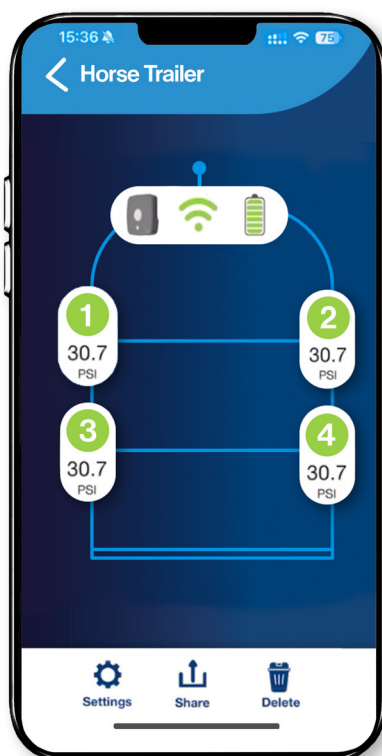
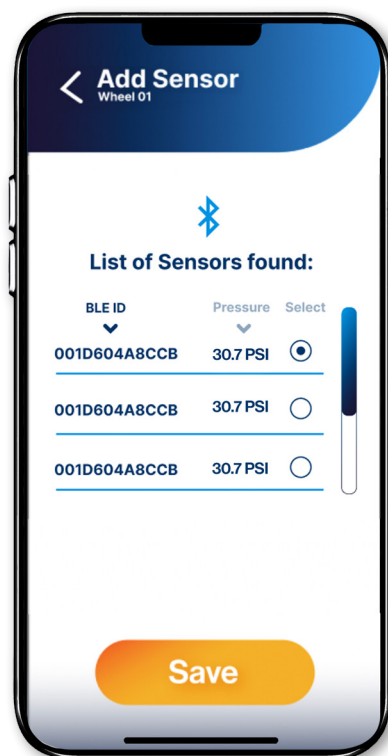
Range extender is connected and charged.



Range extender not connected, please turn the range extender or move the range extender closer to the smart device.



Charge range extender using the cable provided.



Add More Vehicles

To add a vehicle(s), click on the plus icon on the home screen and repeat the steps in the "Configure Vehicle" section.

The number of vehicles that can be added will vary based on account type:

- Personal = Up to five vehicles
- Company = Unlimited vehicles

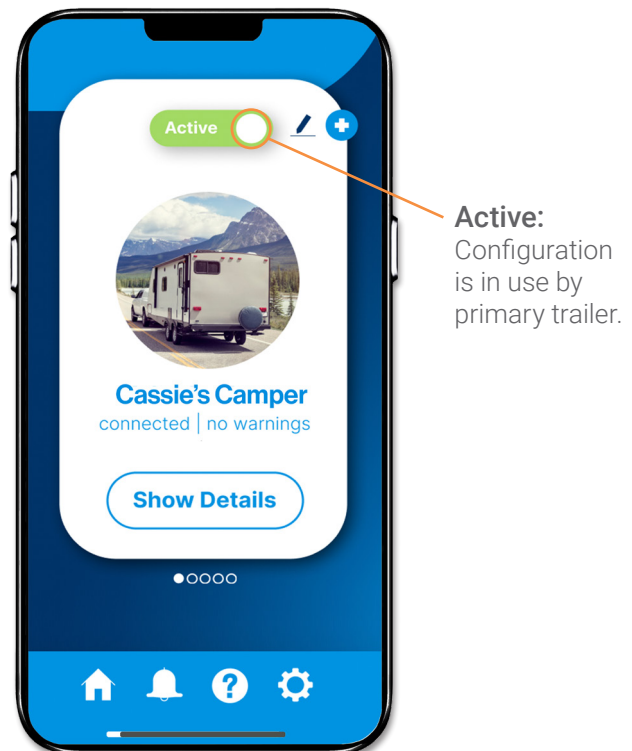
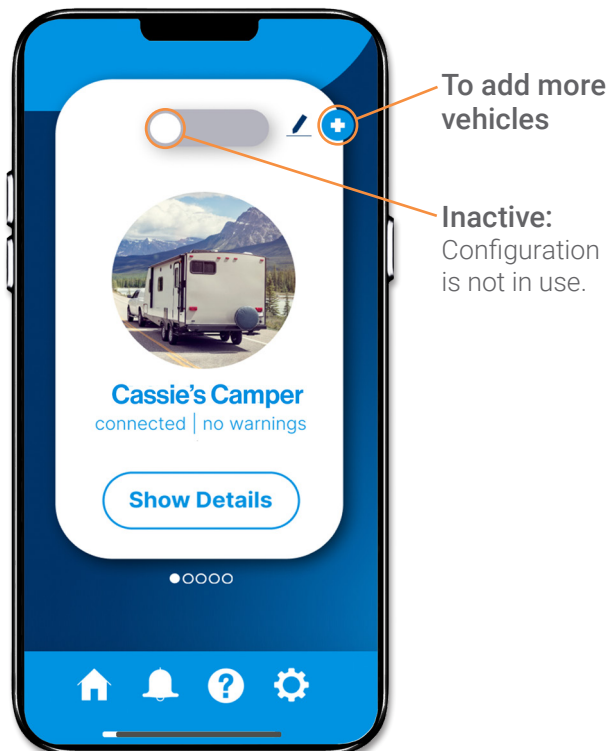
All connected vehicles will be shown on the home screen. Once multiple vehicles are added, multiple tabs will appear on the home screen.

If a vehicle is not connected, the last date connected will be shown on the tab.

Only one vehicle type can be enabled as "active" (or currently in operation) in the AirCheck app.

NOTE: For example, two trailers or two cars can't be active (giving real-time pressure readouts at the same time). Only a single car and trailer combination will provide live pressure updates to one app at a time.

Use the toggle switch to activate the vehicle.



Changing Configurations

Edit or Delete Profiles

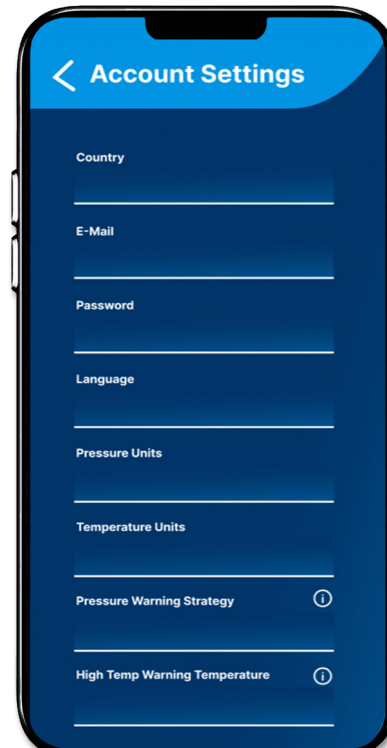
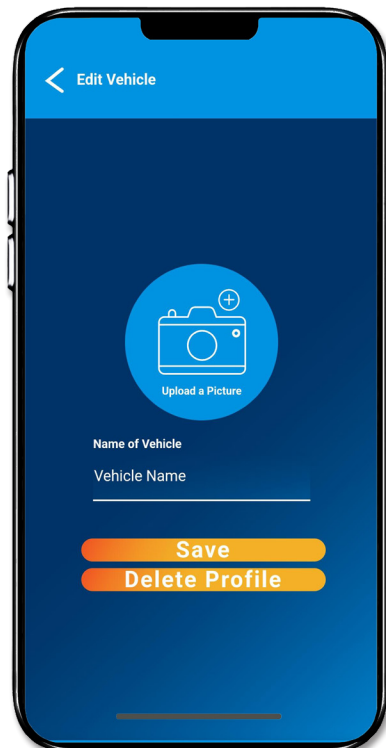
Scroll to the vehicle tab on the home screen and select the edit icon.



To delete a vehicle profile, simply click on the pen icon and remove it.

Changing Pressure and Temperature Settings

Changes can be made by selecting "Settings" from the home screen. Pressure and temperature units will be selected automatically for the country and region selected during the registration process.



Warning Notifications

Visual Alerts Will Appear When Warning Conditions Occur

- If the app is open on screen, a full-page warning message will be displayed.
- If the app is running in the background, the warning will appear as a popup message. Alerts will also be audible to provide notifications while driving or if device screen is off.

To Determine the Issue:

1. Click the "Show Details" button (when safe to do so).
2. Select "Trailer Details" to proceed to the vehicle profile screen.

NOTE: Selecting "Show Details" will display the vehicle profile if only one issue is present. If multiple issues are present, a notification screen will appear.

The vehicle profile will indicate which tires and/or range extender have an issue. Roll over each highlighted position to view fault details.

NOTE: Alerts will repeat every 10 minutes until the issue is fixed. The app will continue running in the background and checking for a tire issue.



Sensor Mounting Instructions



Sensor mounting should only be performed by a professional installer.

Mounting

1

M = 6 or 8 ± 0.5 N.m*
*Please verify the right torque value on the box label

11mm

2

3

New image coming

4

5

6

180°

7

OUT

A

B

Inflate tire until both beads are in place

IN

C

D

Inflate tire to recommended pressure

Valve Hole Type	Valve dimensions – mm	Valve dimensions– inch	Solution
Small	7.5	.295	No solution
Standard	11.5	.453	Use sensor as supplied
Large	15.7	.625	Use conversion kit 20165

Sensor Dismounting Instructions



Sensor dismounting should only be performed by a professional installer.

Dismounting



1



2

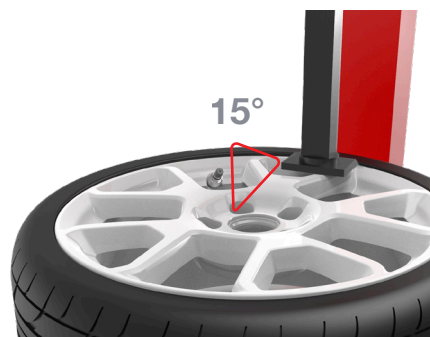


- Never fit a damaged sensor to a wheel rim
- Do not fit the tire to the rim unless confident that the valve has been fitted correctly
- Never re-use any service kit components once they have been removed from the valve stem
- Always ensure all service kit components are replaced with OE validated genuine parts, such as those from SchraderTPMS
- Never fit a sensor to unapproved wheel rims

3



4

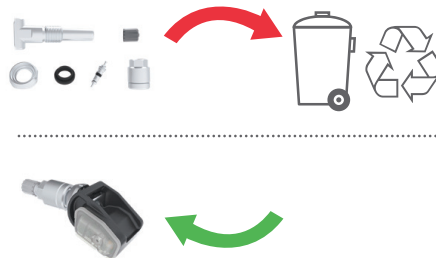


5



SchraderTPMS Solutions

The management of SchraderTPMS reserves the right to modify this leaflet and/or the products described therein without notice.



Share QR Configuration Code

Share Profile with Driver

1. Select "Share" in the vehicle profile to enable a QR code to be generated for that vehicle.
2. On the "Add New Vehicle" screen, second users can select "Setup via QR Code" and then scan the QR code on their app.

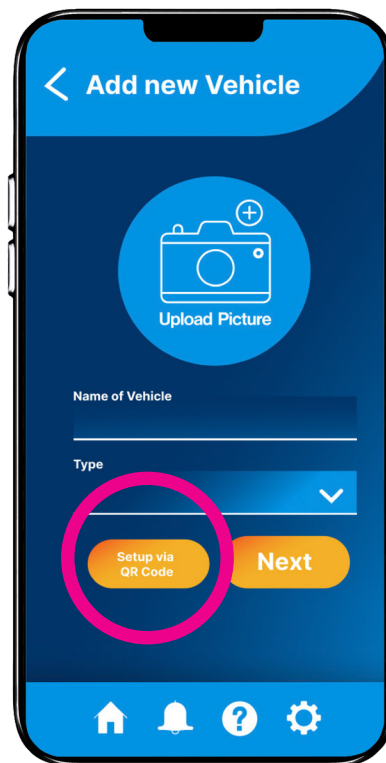
If You Hit the Share Button

Standard workflow will be triggered on phone to display the same options as when "share an image" is selected.

QR Code Setup

1. Select the setup via QR code button.
2. Scan QR code.
3. Complete entry and select "Save".

The QR code can now be shared with drivers, enabling them to easily import the configuration set up by installers.



Additional Information

Warranty

Sensata warrants that its sensors will be free from defects in materials and workmanship for a period of twenty-four (24) months from the date of shipment from Sensata's facility or 24,000 miles (whichever occurs first). SchraderTPMS (a brand of Sensata Technologies) has not tested the compatibility of non-SchraderTPMS products for use in conjunction with SchraderTPMS parts. Defects, damages, or losses caused by the use of non-SchraderTPMS products are not covered by SchraderTPMS' limited warranty.

Approvals Text

Sensor IC: 2546A-SCBLE
Sensor FCC ID: MRXSCBLE

Ranger Extender IC: 5123A-GM220P
Range Extender FCC ID: QOQ-GM220P

This device complies with Part 15 of the FCC Rules Operation and 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.

[Link to Sensata Privacy Notice](#)

[Link to End User License Agreement](#)

Warning

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

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment can be installed and operated with a minimum separation distance of ≤ 5 mm between the equipment and users/bystanders.

Contact Us

1-800-288-1804
Monday–Friday, 8:00am–8:00pm EST
Saturday, 10:00am–2:00pm EST

