

Tire Linc® PRO TPMS External Sensor System

Installation and Owner's Manual

(For Aftermarket Applications)

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Tire Linc PRO Kits	
Part #	**Description**
2024115887	Install Kit - Dock, Repeater, 2 Stem Sensors
2024115889	Install Kit - Dock, Repeater, 4 Stem Sensors
2024115891	Install Kit - Dock, Repeater, 6 Stem Sensors
2024115892	Prepped Kit - Repeater & 2 Stem Sensors
2024115893	Prepped Kit - Repeater & 4 Stem Sensors
2024115894	Prepped Kit - Repeater & 6 Stem Sensors
2020106299	2 Stem Sensors
2024115904	LCD, Stand, Cable, Repeater

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Introduction

Tire Linc® PRO (TLP) is a Tire Pressure and Monitoring System (TPMS) optimized for recreational vehicles (RVs) including travel trailers, fifth wheels, motorized RVs, tow vehicles and towed vehicles. Unlike traditional TPMS systems, TLP also monitors tire temperature.

Using sensors mounted at each wheel, TLP monitors tire pressure and temperature in real-time, sending alerts when tires exceed user-defined performance and safety thresholds.

Properly inflated tires can help improve fuel efficiency, extend tire service life, prevent blowouts, avoid accidents and damage.

Additional information about this product can be obtained from lci1.com/support or by using the LippertNOW app. Replacement kits can be ordered from https://store.lci1.com/ or by using the LippertNOW app.

The LippertNOW app is available for free on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

App Store® and iPad® are registered trademarks of Apple Inc.
Google Play™ and Android™ are trademarks of Google Inc.

For additional support on this product, scan this QR code or go to: https://support.lci1.com/tire-linc-pro

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Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.
This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage, including voiding of the Lippert limited warranty.

⚠ WARNING

THE "WARNING" SYMBOL ABOVE IS A SIGN THAT A PROCEDURE HAS A SAFETY RISK INVOLVED AND MAY CAUSE DEATH OR SERIOUS PERSONAL INJURY IF NOT PERFORMED SAFELY AND WITHIN THE PARAMETERS SET FORTH IN THIS MANUAL.

⚠ WARNING

THIS PRODUCT MAY CONTAIN A COIN/ BUTTON CELL BATTERY. KEEP PRODUCT AND BATTERIES AWAY FROM CHILDREN. BATTERY CAN CAUSE SEVERE OR FATAL INJURIES IN 2 HOURS OR LESS IF SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY. SEEK IMMEDIATE MEDICAL ATTENTION IF IT IS SUSPECTED THAT A COIN/BUTTON BATTERY HAS BEEN SWALLOWED OR PLACED INSIDE OF ANY PART OF THE BODY



⚠ CAUTION

THE "CAUTION" SYMBOL ABOVE IS A SIGN THAT A SAFETY RISK IS INVOLVED AND MAY CAUSE PERSONAL INJURY AND/OR PRODUCT OR PROPERTY DAMAGE IF NOT SAFELY ADHERED TO AND WITHIN THE PARAMETERS SET FORTH IN THIS MANUAL.

Compliance

FCC Part 15 Compliance Statement:
This device complies with part 15 of 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.

NOTE: Images used in the document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

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Parts List



Letter	PN	Description	Qty
A	2024036318	Tire Linc PRO Repeater	1
B	2024118223	Tire Linc PRO Dock	1
C	2020002102	Stem Sensor Tool (Separates into two parts)	1
D	808506	TPMS Stem Sensor	*
E	2020003005	Lock Nut Wrench	1
F & G	2020001333	O-ring & Lock Nut	*

*Quantity varies based on kit ordered.

NOTE: Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased.

Manual Overview

This manual will guide you through system setup. Setup includes five steps:

1. Prepare Trailer

2. Install Dock (skip if trailer is already prepped for TLP).

3. Pair Repeater

4. Pair Sensors

5. Set Preferences

Resources Required

- Compatible App or LCD Touchscreen (see the Prep Trailer section to find your App)
- Electric drill or screwgun
- Two #8 x ¾" self-tapping panhead screws
- Appropriate drive bits
- Wire strippers
- Appropriate electrical connectors.

Definitions

- **TPMS:** Tire Pressure Monitoring System. A TPMS uses sensors to monitor tire pressure and temperature and alert drivers when a tire exceeds normal operating specifications.
- **TLP:** Tire Linc PRO, the TPMS described in this document.
- **TL:** Tire Linc, Lippert's first generation TPMS.
- **Relative Temperature Monitoring** (a TLP exclusive)**:** The system averages the temperature of all tires, then sends an alert if one tires temperature is higher than the others. This helps catch problems early, including issues with wheels, axles and bearings.
- **Inertial Sensing Technology** (a TLP exclusive): When sensors detect the unit is stationary, they send status signals at a reduced rate. This helps catch slow leaks while extending battery life.
- **Widget:** Rectangular buttons with rounded corners commonly used on App screens.
- **Dually:** A vehicle that has 2 wheels on each side of an axle.

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Prep Trailer

Plan Configuration

Prior to setup, plan your trailer configuration including the number of axles and spares. This will help you take full advantage of the App's convenient setup features. For example, this configuration requires five sensors: four for the active tires and one for the spare **(Fig. 1)**.

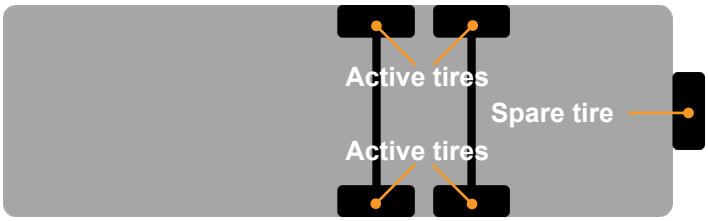

Fig.1

Purchase Additional Sensors

If you need to add sensors to your configuration to support tow vehicles including dually axles, towed vehicles or a spare, explore them here:

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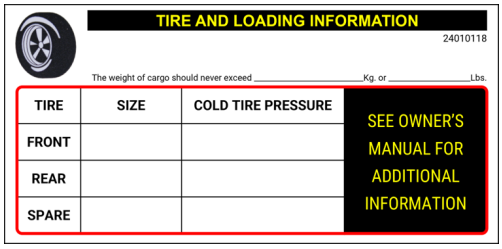
Prepare Tires

Make sure tire pressure matches your trailer's Cold Tire Pressure (CTP) rating. CTP ensures the most accurate pressure reading from your Sensors while you setup your system. Ratings are found on a sticker near the front of the trailer **(Fig. 2)**.


TIRE AND LOADING INFORMATION

24010118

The weight of cargo should never exceed _____ Kg. or _____ Lbs.

TIRE	SIZE	COLD TIRE PRESSURE	SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION
FRONT			
REAR			
SPARE			

Fig.2

NOTE: Tires with high or low air pressure can cause unforeseen detrimental effects on tires and the trailer, including undesirable tread wear. Tires should always be pressurized to within the manufacturer's recommendation.

Gather Tools

Collect and prepare resources described on page 3.

Get the App.

Download the App for your trailer. The App allows you to monitor tire health in real time. It also enables status to be displayed on your tow vehicle's Android Auto™ or Apple CarPlay® system.

Download the App

1. Make sure your smart device is connected to the Internet and Bluetooth® is ON.

2. Scan the QR code:

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NOTE: The code opens a webpage to help you find the right App for your trailer's control system. If you trailer doesn't have a compatible control system, the webpage will provide a link to an App you may use for TLP system.

3. Download the App to your smart device and follow the prompts for setting up a new account or logging in to an existing account.

App Previously Downloaded

If you already use a Lippert control App, confirm it is compatible with TLP.

1. Open the App and look for a "+" icon at the upper right of the screen **(Fig. 3A)**.

2. Tap the "+" icon to open the Add & Explore page.

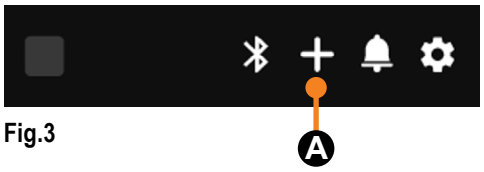

Fig.3

3. Select Tire Linc PRO from the list of accessories and devices. When it is time to pair the Repeater, return to the page to access "Add Device" **(Fig. 4A)**.

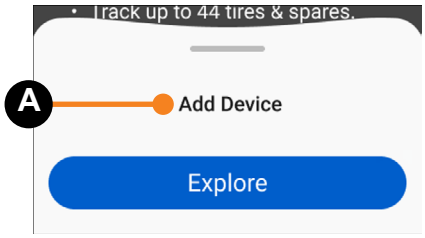

Fig.4

Once you have the App, you're ready to install the Dock.

Install Dock

The Dock provides power to the Repeater from the trailer's 12V system.

NOTE: Some trailers are "prepped" at the factory with a Dock. If a Dock is already installed, go to the Pair Repeater section.

NOTE: If your trailer has a Tire Linc® Dock installed, it is compatible with the TLP Repeater.

1. Locate a mounting area inside the trailer that allows connection of the Dock to the trailer's power source without creating a strain on the power system.

- The Dock MUST be mounted in the compartment CLOSEST to the tow vehicle, such as the front compartment. Obstructions such as walls and sheet metal could interfere with the signal and reduce reception performance.
- Avoid mounting near large current carrying wires and electronic devices. These may cause signal interference.
- Mount the Dock inside the trailer, away from exposure to rain, etc.
- Mount the Dock vertically on a flat surface, so that the wires are exiting down.
- Choose a location where items will not come into contact with the Repeater or Dock during transit.

2. Secure the Dock **(Fig. 5A)** to the wall with two self-supplied #8 x ¾" self-tapping pan head screws **(Fig. 5B)**.

- Make sure screws avoid anything located behind the wall such as other wires.
- If you wish to hide wiring, drill a small hole **(Fig. 5C)** below the bottom of the Dock. Sand the edges to prevent sharp edges from damaging wire insulation, then insert wires.
- DO NOT over tighten screws. Hand-tighten only.

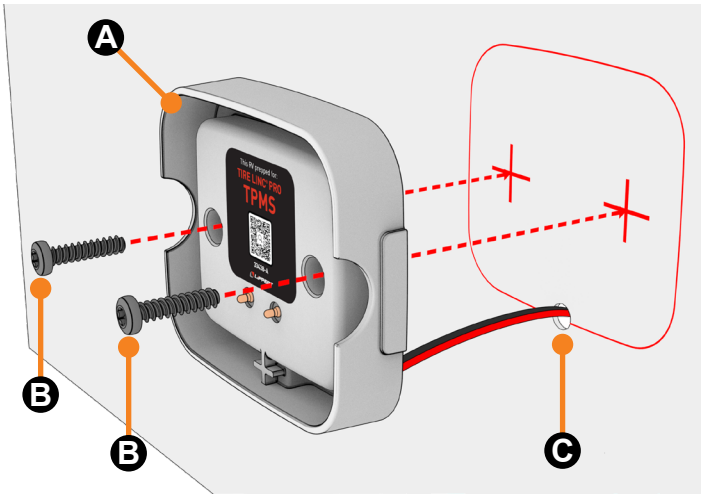

Fig.5

3. Make sure the trailer's battery is completely disconnected and power to the trailer is OFF. Then connect the Dock's RED power wire and BLACK ground wire to system power and ground as follows:

A. Connect the Dock to a power source ahead of the battery disconnect. This will ensure the Repeater receives power when the trailer is being towed.

B. If necessary, use wire strippers to expose enough bare wire to make a good connection.

C. Use appropriate electrical connectors to create good connections.

D. Make sure there is a 5A maximum circuit protection placed in-line between the power supply and the Dock.

4. Snap the Repeater onto the Dock.

NOTE: The Dock is "keyed". The Repeater only fits in one direction.

When the trailer is powered ON, the Repeater will power ON. The Status LED will blink to confirm power.

If the Status LED does not light up, check the in-line fuse or splice to ensure the Dock has power.

Pair Repeater

Power ON the Trailer

When power is supplied and the Repeater is ON, the Repeater's STATUS LED will blink. Blinking will continue for 5 seconds, then turn OFF. To confirm power availability, you may press and release the Pair Mode button (the LED will blink if power is available).

Pairing with the App

Once the Repeater has been installed and the App has been downloaded, the two can be paired.

1. Open the App and tap the "+" icon at the top right of the screen.

2. Select the Tire Linc PRO accessory for the list of accessories and devices.

3. Tap "Add Device" **(Fig. 6A)**, grant permissions and follow instructions in the App.

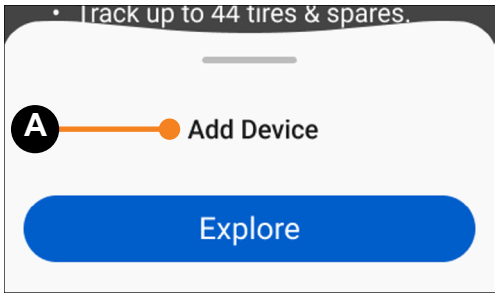

Fig.6

NOTE: Pairing the Repeater requires pressing and holding the Repeater's PAIR button until the STATUS LED starts blinking. When requested by the App, use the tip of a pen or pencil to activate the PAIR MODE button **(Fig. 7)**. To avoid unintended activation, button must be pressed for at least 5 seconds.

NOTE: To avoid unintended activation, the button must be pressed for at least 5 seconds before the LED blinks

NOTE: Pressing the button for 10 seconds will reset the Repeater.

NOTE: Repeater pairing mode lasts for 2 minutes, after which the LED will turn OFF.

4. When pairing is complete, a SUCCESS screen will appear.

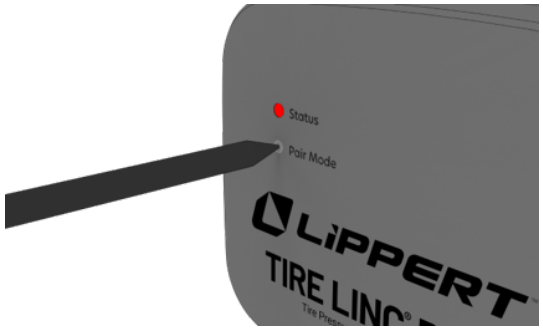

Fig.7

Troubleshooting: System Setup

During setup, the following faults may occur.

Multiple Repeaters Found (Fig. 8)

Appears when multiple Repeaters are found. Most likely to occur in locations where more than one person is setting up a system, such as at an event.

Solutions:

- Ensure no one else is attempting to pair a system within range, approximately 35 ft. (12m).

NOTE: The repeater terminates pairing after 2 minutes.

NOTE: Pair Mode needs to be initiated on the Repeater.

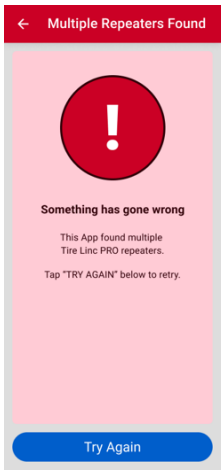

Fig.8

Repeater Not Found (Fig. 9)

Appears when the Repeater times out or is not receiving power.

Solutions:

- Ensure Dock is receiving power.
- Ensure Repeater is fully snapped into position in the correct orientation.
- Ensure Repeater is in Pairing Mode.

NOTE: The repeater terminates pairing after 2 minutes.

NOTE: Pair Mode needs to be initiated on the Repeater.

When ready, return to the Pair Repeater workflow.

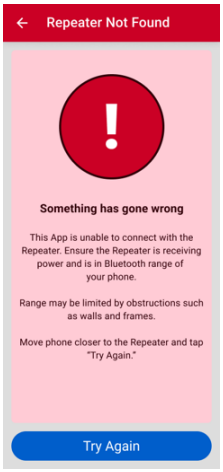

Fig.9

Pair Sensors

Sensor Preparation

Before pairing external sensors, have them ready.

- If sensors are attached to valve stems, remove them. Sensors enter pairing mode when they detect a sudden change in pressure.
- Sensors can be installed in any order. External sensors DO NOT need to be installed on tires before pairing.
- If you pair a sensor to wrong tire, press the tire's widget again to pair the correct sensor or move the sensor to the correct tire.

The kit includes lock nuts **(Fig. 10C)**. These act as a theft deterrent. Using them is optional. If you install the lock nuts, screw them onto the valve stem **(Fig. 10B)** first. Leave space between the lock nut and the sensor **(Fig. 10A)**. You will tighten the lock nuts when setup is complete.

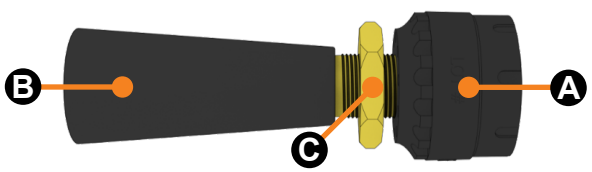

Fig.10

Pair Sensors

After the App and Repeater have been paired, you may add sensors.

1. From the "Repeater Paired" success page, press CONTINUE **(Fig. 11A)**.

2. Select your Trailer Type **(Fig. 12)**.

3. After selecting a Trailer Type, choose from the available presets **(Fig. 13)**.

4. The system will ask if you want to pair a spare tire. If you want to but don't have a sensor for it, you may choose YES and pair the sensor later **(Fig. 14)**.

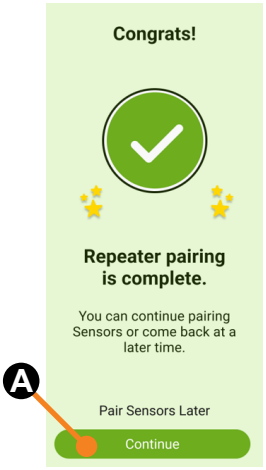

Fig.11

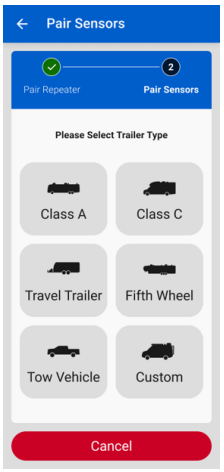

Fig.12

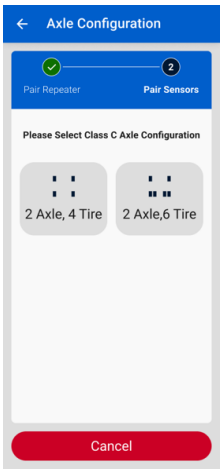

Fig.13

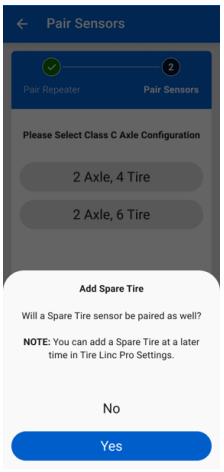

Fig.14

5. After choosing a spare tire option, the PAIR SENSORS page will open **(Fig 15)**. The page is organized as if looking at the trailer from above. LEFT and RIGHT columns show tires on either side of the trailer. Axles are numbered, with "1" being the forward most. A spare tire appears as a full-width widget.

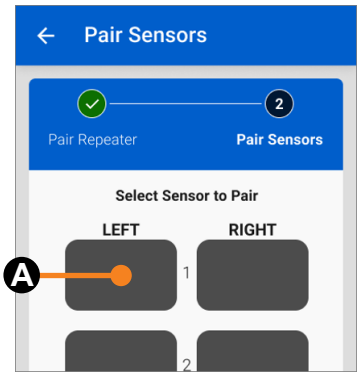

Fig.15

6. Tap on a Sensor's widget **(Fig. 15A)**. A "searching" message will appear **(Fig. 16)**.

NOTE: After tapping the widget, you have 90 seconds to complete pairing. If time expires you will need to unscrew the sensor and repeat process starting at step 6.

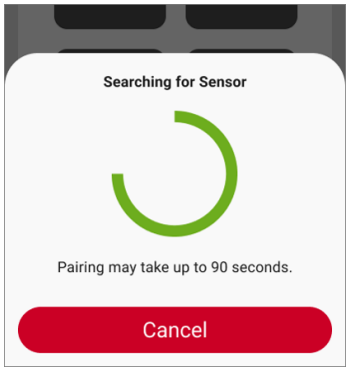

Fig.16

7. Screw a Sensor quickly onto the corresponding tire's valve stem, preventing air from escaping from the tire. Hand tighten only.

A. When the Sensor is paired, a confirmation message will appear **(Fig. 17A)** and its widget will change color. Proceed until all sensors in your configuration are paired.

NOTE: If you are unable to complete pairing, you may exit the session and complete pairing later without losing previously paired sensors.

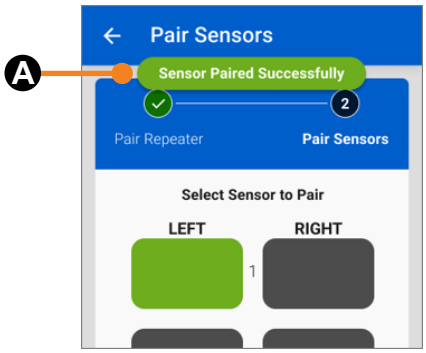

Fig.17

Tighten Lock Nuts

Using the small wrench included with your kit, tighten the lock nut **(Fig. 10C)** securely against the bottom of the sensor **(Fig. 10A)**.

NOTE: If you need to remove the Sensor to change the battery, you will need the wrench to loosen the lock nut.

Pairing Sensors Later

If you choose to pair sensors later, sensor widgets will appear on the home page in yellow **(Fig 18)**. Tap on a widget **(Fig. 18A)** to begin the pairing process **(Fig. 19)**. When complete, the sensor will show as active **(Fig 20A)**.

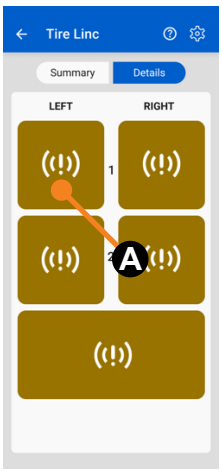

Fig.18

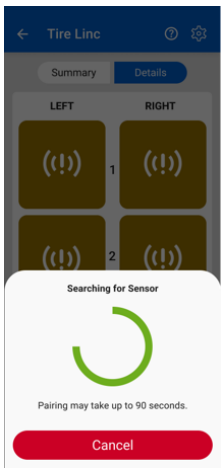

Fig.19

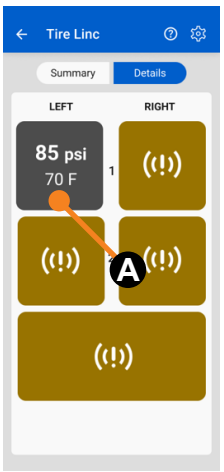

Fig.20

Trailer Already Defined

In some cases, one **(Fig. 21)** or more **(Fig. 22)** trailer configurations may already be stored on a Repeater. If so, the system will provide a notification screen **(Fig. 23)**. To select active trailer or edit trailers, press CONTINUE. If you want to delete all trailers, tap the gear icon on the Home Page, tap RESET REPEATER **(Fig. 24A)** and follow the on-screen instructions.

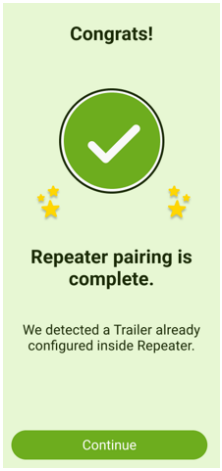

Fig.21

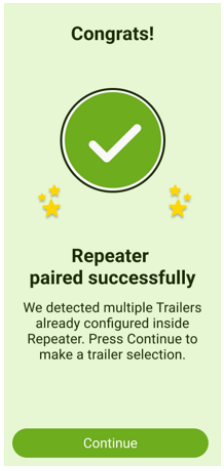

Fig.22

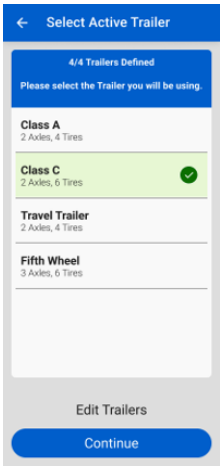

Fig.23

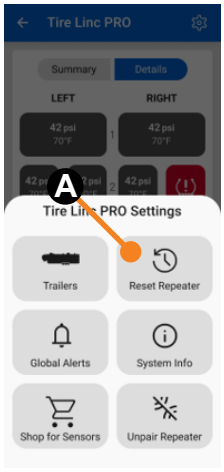

Fig.24

Troubleshooting: Pair Sensors

Sensor Pairing Error

Appears when multiple sensors are found **(Fig. 25)**. Most likely to occur in locations where more than one person may be setting up a system.

Solutions:

- Ensure you have only activated one sensor.
- Ensure no one else is attempting to pair a system within range, approximately 35 ft. (12m).

NOTE: The repeater terminates pairing after 90 seconds.

NOTE: Sensors terminate pairing after 6 seconds.

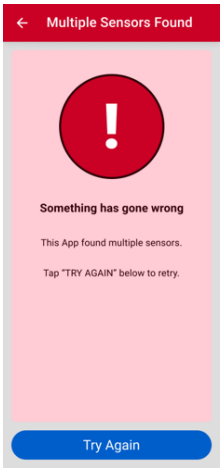

Fig.25

Sensor Not Found

Appears when the Repeater times out, the sensor doesn't wake up, woke up late or has a depleted battery **(Fig. 26)**.

Solutions:

- Repeat sensor pairing process.
- Replace battery.
- If issue persist, please contact the Lippert Care Center.

NOTE: The repeater terminates pairing after 2 minutes.

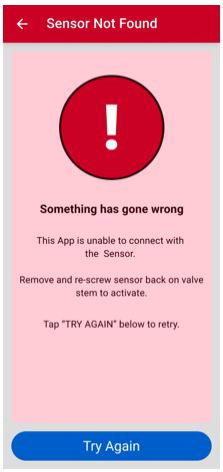

Fig.26

Set Preferences

A convenient way to set preferences is the Global Alerts feature **(Fig. 29)**. It allows you to set preferences once, then apply to all tires.

To access it, tap the SETTINGS icon in the upper right **(Fig. 27A)**. Open the Global Settings page by tapping Global Alerts **(Fig. 28A)**. After entering preferences, tap SAVE **(Fig. 29A)** to apply to all tires.

NOTE: You may also set preferences per sensor by tapping on the tire's widget and opening the sensor's Home Page.

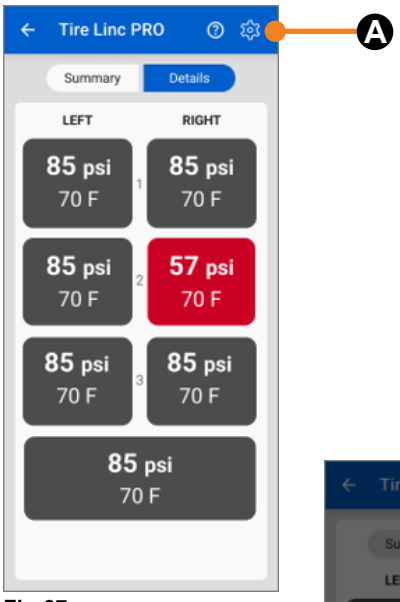

Fig.27

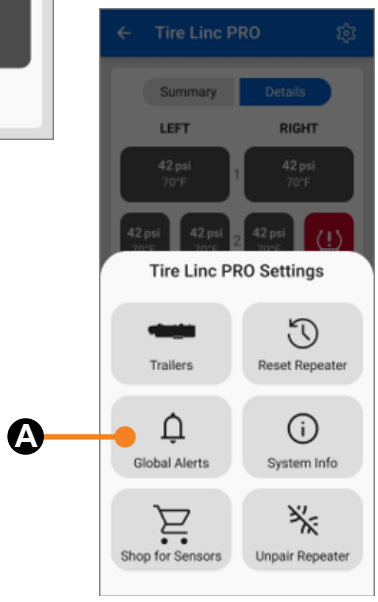

Fig.28

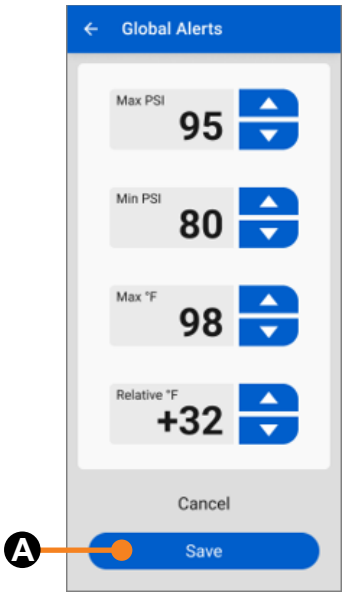

Fig.29

Exclusive Technology

TLP includes Relative Temperature Monitoring (RTM). This technology averages the temperature of all tires, then sends an alert when one tire's temperature is higher than the average temperature of the other tires. This helps catch problems early, including issues with wheels, axles and bearings.

RTM default is set to a value of 32°F. As you become more familiar with your trailer's tire performance thresholds, you may consider changing the value to obtain more precise insights.

Other Settings

- Select the active trailer configuration or create a new one.
- Unpair or reset a Repeater.
- Shop for sensors (add sensors for spares, etc).
- Manuals and documentation. Press the "?" In the header to access online manuals. Requires an Internet connection.

Summary Page

Tire Alerts

When SUMMARY is selected **(Fig. 30A)**, the page will display a "All Tires OK" message when the following is true:

- All tires are operating within user defined thresholds.
- All sensors selected to be part of a trailer configuration are paired.
- All sensors are in communication with the Repeater.
- All sensors have adequate battery levels.
- Pressing the DETAILS button SUMMARY opens the DETAILS page.

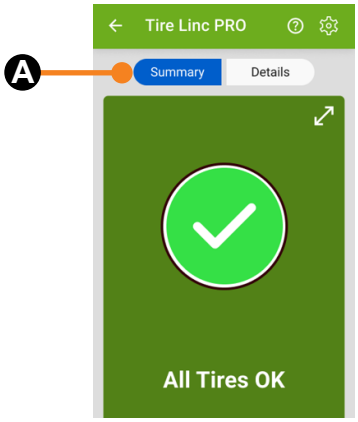

Fig.30

Sensor Alerts

The System sends alerts related to sensors **(Fig. 31)**, including signal and battery for the active trailer.

TIRE SIGNAL is enhanced by the system's exclusive inertial Sensing Technology (IST). IST detects when the tire is rotating and it is not rotating. This enables users to receive alerts while camping (in the event a tire picks up a slow leak) without excessive battery usage. A SIGNAL LOST alert **(Fig. 31A)** will appear if:

- A sensor detected as rotating is missing for 10 minutes.
- A sensor detected as not rotating is missing for 45 minutes.

For troubleshooting a Lost Sensor, see the Troubleshooting section.

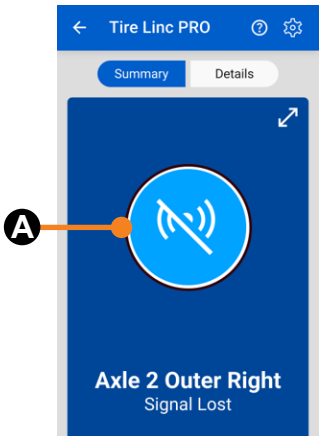

Fig.31

Battery Alerts

When the system detects a low sensor battery level, it will provide an alert **(Fig. 32)**:

- Alert is triggered when external or internal sensors batteries fall under 5% capacity.
- External sensor battery may be replaced with CR-1632 battery. Internal sensor battery is not serviceable.
- Sensor will reconnect to system automatically after battery change.
- See Battery Replacement section for detailed instructions for changing batteries.

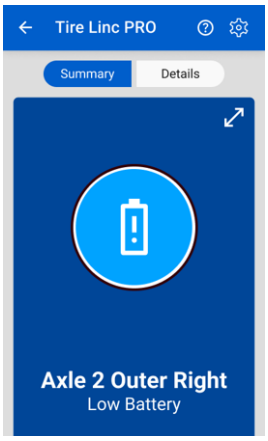

Fig.32

Tire Alerts

The System sends alerts when a tire exceeds user-defined thresholds set for pressure, temperature and relative temperature **(Fig. 33)**.

NOTE: Attend to pressure, temperature and relative temperature alerts as soon as safely possible.

Pairing Alert

If you exit sensor pairing prior to pairing all sensors in a configuration, SUMMARY will provide an alert **(Fig. 34)**.

- The alert is triggered when the sensor pairing process was exited prior to all sensors being paired.
- Even if a sensor was not paired, you may use the system with paired sensors.

NOTE: To resume sensor pairing, go to Pair Sensors.

NOTE: Pressing the DETAILS button on SUMMARY opens the DETAILS page.

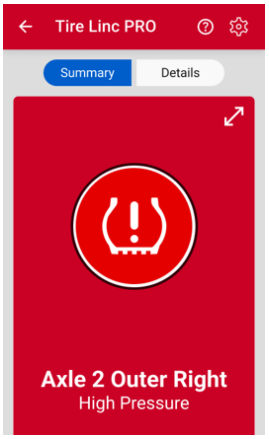

Fig.33

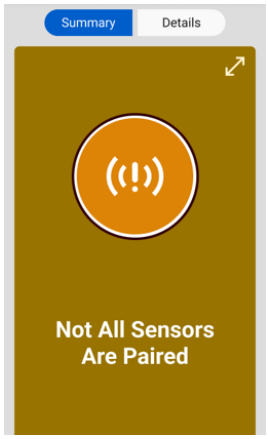

Fig.34

Multiple Notifications

If the system detects multiple faults, SUMMARY will provide an alert. Pressing the DETAILS button on SUMMARY opens the DETAILS page where you can view individual fault sources and types.

Pressing the DISMISS button will present a Dismiss Alert Notification. If you press YES, the SUMMARY page will confirm with a DISMISSED screen.

NOTE: The Alerts Notification page on SUMMARY will reset to "All Tires OK" if the fault is resolved, such as when air is added to a tire experiencing low pressure.

Tire Details

The TIRE DETAILS page provides a view of each paired sensor and its status. Alerts and colors shown are consistent with the TIRE SUMMARY page.

NOTE: In most cases, the graphic in the sensor widget will cycle between an icon and a reading:

- Battery level alerts cycle between tire status and a battery icon.
- Signal Lost alerts cycle between an icon and dashes.
- Pressure and Temperature alerts cycle between an icon and status.
- An Unpaired Sensor alert will not cycle. It will remain an icon.

Examples of common TIRE DETAILS pages **(Fig. 35-39)**.

2 Axles

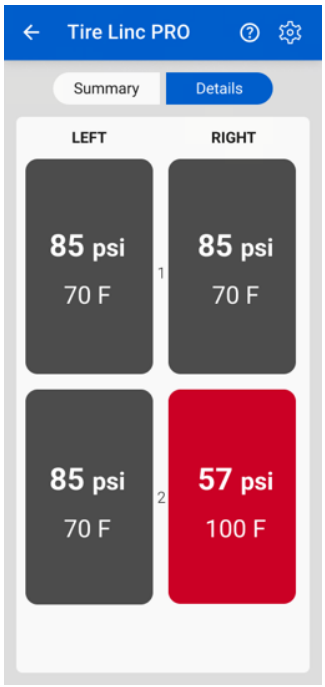

Fig.35

2 Axles & Spare

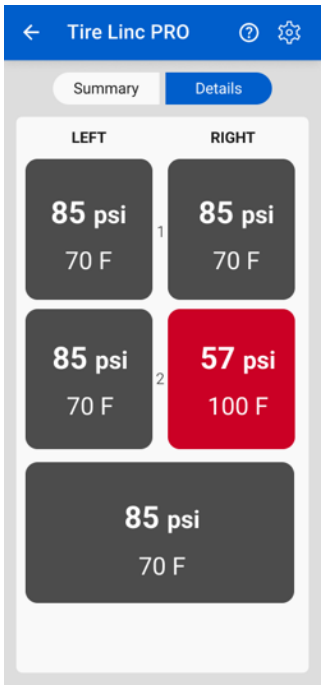

Fig.36

Tire Linc® PRO TPMS External Sensor System

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(For Aftermarket Applications)

3 Axles

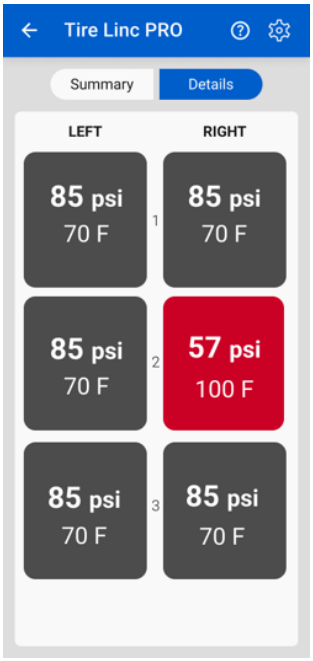

Fig.37

3 Axles & Spare

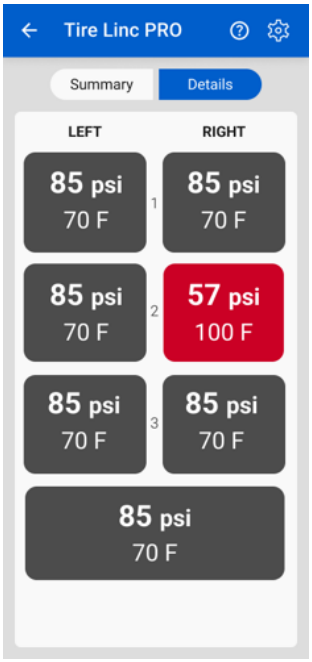

Fig.38

Dually Tow Vehicle 3 Axles & Spare

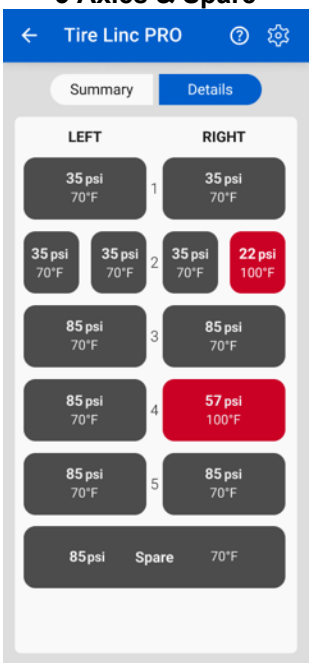

Fig.39

Viewing Options

Tow Vehicle Integration

On compatible tow vehicles, the App enables you to view system status on Android Auto **(Fig. 40)** or Apple CarPlay **(Fig. 41)**. After connecting your phone to your tow vehicle, look for your App's icon on your tow vehicle's center stack display. Select the App for viewing.

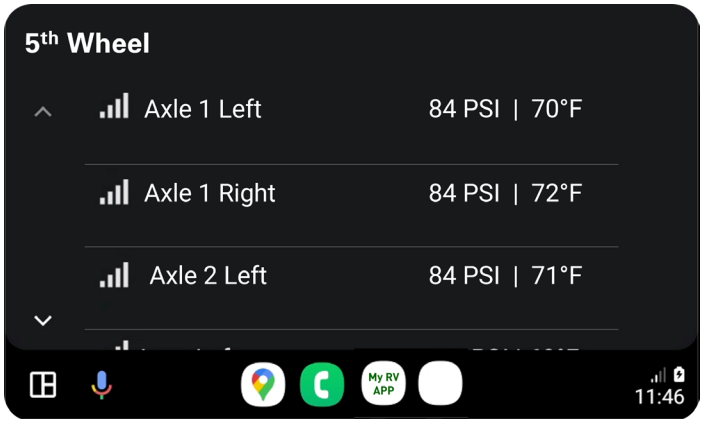

Fig.40

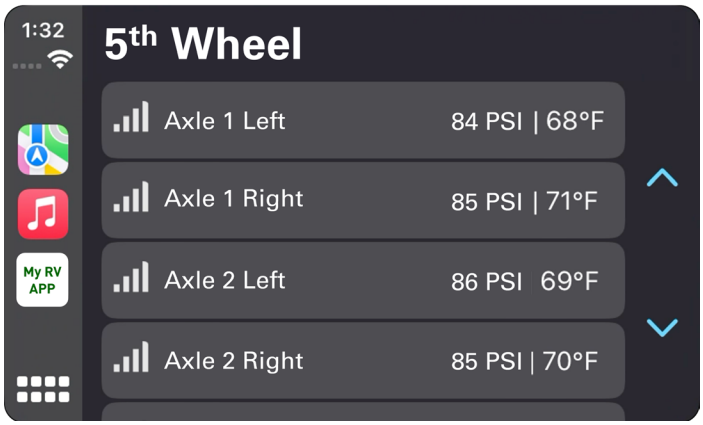

Fig.41

Tire Linc® PRO TPMS External Sensor System

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LCD Touchscreen

The TLP System includes an optional LCD Touchscreen **(Fig. 42)**. Add this to your system to provide a dedicated display when Android Auto or Apple CarPlay are not available or where local laws prohibit the use of cell phones when driving.

Once paired to your Repeater, you may access any saved trailer configuration on the LCD Touchscreen. The LCD Touchscreen and the App can be used simultaneously.

Scan the QR Code **(Fig. 43)** to learn more about the LCD Touchscreen.



Fig.42



38822-A

Fig.43

Syncing With Your Trailer

If your trailer was built after June, 2025 and includes a Platinum Series™ Panel, you will be able to view tire status and receive notifications **(Fig. 44-47)**.

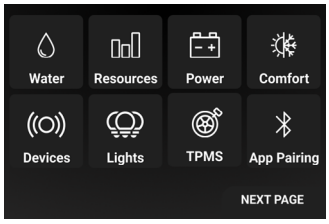

Fig.44

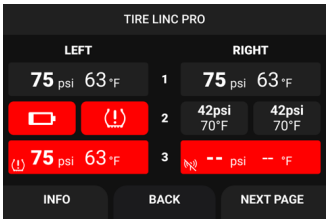

Fig.45

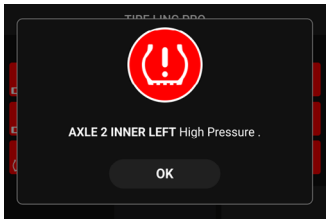

Fig.46

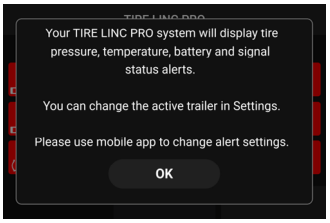

Fig.47

Syncing with your trailer takes advantage of TLP's Inertial Sensing Technology (IST). When the system detects a lack of tire rotation for more than 15 minutes, IST maintains signals from sensors to the Repeater at a reduced rate.

This extends sensor battery life while alerting you to slow leaks that may have developed, such as a foreign object becoming embedded in the tire while traveling.

Sensor Signals: Quality and Strength

Even perfectly functioning Repeaters and Sensors may experience dropout. This is caused by several factors: obstructions, proximity and tire compound. As a result, a sensor detected during setup and pairing may show up as missing during regular use **(Fig. 48)**.



Fig.48

Obstructions

Trailer axles, frames, walls, appliances and other structural components may interfere with sensor signal quality and strength. Electronic components and wiring may disrupt signals.

Proximity

When combined with obstructions and on longer trailers, the distance between sensors and Repeater may impair reception.

Tire Compound

Some RV manufacturers install commercial grade or H-Rated tires. The sidewall construction of these tires may interfere with sensor signal strength.

In all cases, the Repeater may be unable to detect weakened signals.

As a result, a sensor detected while pairing may show up as missing during regular use **(Fig. 48)**.

External Sensors: Battery Replacement

⚠ WARNING

THIS PRODUCT MAY CONTAIN A COIN/ BUTTON CELL BATTERY. KEEP PRODUCT AND BATTERIES AWAY FROM CHILDREN. BATTERY CAN CAUSE SEVERE OR FATAL INJURIES IN 2 HOURS OR LESS IF SWALLOWED OR PLACED INSIDE ANY PART OF THE BODY. SEEK IMMEDIATE MEDICAL ATTENTION IF IT IS SUSPECTED THAT A COIN/BUTTON BATTERY HAS BEEN SWALLOWED OR PLACED INSIDE ANY PARTS OF THE BODY.



- Do not ingest the battery contained within the remote control supplied with the unit as this battery represents a chemical burn hazard.
- This product contains a coin/button cell battery
- If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep the new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Upon receiving a Low Battery notification, it is important to change the battery as soon as you can. Lithium-Ion batteries deplete rapidly after low voltage is detected.

To change the battery on an External sensor, perform the following steps.

1. Locate the Stem Sensor Tool **(Fig. 49)**.



Fig.49

2. Using your fingernails or a small flat screwdriver, pry it into two pieces **(Fig. 50)**.



Fig.50

3. Use one piece to secure the bottom of the sensor and the other to turn and remove the cap **(Fig. 51)**.



Fig.51

4. Unscrew the cap that holds the battery in place**(Fig. 52)**.



Fig.52

5. Replace the battery **(Fig. 53A)** and use the tool to tighten the cap on the sensor **(Fig. 54)**.

NOTE: Battery size is CR-1632.

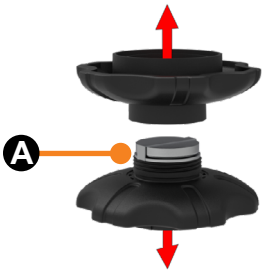

Fig.53



Fig.54

6. Replace the sensor making sure the lock nut is in place.

Tire Linc® PRO TPMS External Sensor System

Installation and Owner's Manual

(For Aftermarket Applications)

System Overview

Tire Linc® PRO (TLP) is a Tire Pressure and Monitoring System (TPMS) optimized for recreational vehicles (RVs) including travel trailers, fifth wheels, motorized RVs, tow vehicles and towed vehicles. Using sensors mounted to each wheel, TLP monitors tire pressure and temperature in real-time, sending notifications when tires exceed user-defined performance and safety thresholds. A TLP TPMS can help improve fuel efficiency, extend tire service life, help prevent blowouts, avoid accidents and damage.

Advanced Technology

TLP introduces solutions designed specifically for RVing

- Relative Temperature Monitoring: The System averages the temperature of all tires, then sends an alert if one tire's temperature is higher than the others. This helps catch problems early, including issues with wheels, axles and bearings.
- Inertial Sensing Technology: TLP sensors detect when the tire is rotating and when it is stationary, such as when camping. When camping, sensors send status signals at a reduced rate. This helps catch slow leaks while extending battery life.
- Add a Spare anytime: Even if an RV is equipped with a TLP System, it may not include a sensor for the spare tire. TLP allows you to purchase extra sensors and pair them anytime. This helps you use TPMS immediately and customize when convenient.

Convenient Monitoring

TLP makes it easy to stay on top of tire health

- App Monitoring: Use the App to keep an eye on status and to send notifications to your tow vehicle's Apple CarPlay® or Android Auto™ interface.
- Remote Monitoring: If your RV includes ConnectAnywhere™ 2.0, you can monitor tire health remotely through the App, avoiding surprises when you return to camp.
- In-RV Monitoring: If your RV includes a Platinum Series™ Control Panel, TLP will show tire status and alerts while camping, helping you avoid delays on departure day.

Total Coverage

TLP is designed to meet the needs of any application

- Configurations: Create up to 4 trailers with up to 15 sensors each. Trailers can include towed vehicles and tow vehicles with dually axles.

Compatibility and Upgrades

TLP replaces Lippert's prior generation TPMS product, Tire Linc® (TL). Because TLP is compatible with TL sensors and Docks, it's easy to upgrade a TL system to TLP. To get the benefits of TLP's technology, monitoring and coverage, users simply purchase an aftermarket TLP kit, snap in the Repeater and setup their system.

Tire Linc® PRO TPMS External Sensor System

Installation and Owner's Manual

(For Aftermarket Applications)

Components Overview

The TLP system includes the following components. Components vary by installation (full factory installation or "prepped" RV) and/or owner or dealer installed aftermarket kits.

Repeater Dock (Fig. 55) - Connects Repeater to a 12 Volt power source. Most commonly installed at the factory in a dry compartment or pass-thru. Also available in some aftermarket kits for DIY installation.

Repeater Dock Cover (Fig. 56) - Included by some manufacturers to protect the Dock from damage in prepped RVs. May be discarded after Repeater has been installed. Made from recyclable material.

Repeater (Fig. 57) - Receives signals from sensors then transmits information to the LCD Touchscreen, App or OneControl system. The Repeater stores all user preferences configured in the Touchscreen or App.

Internal Sensor (Fig. 58) - A sensor installed at the factory on the wheel rim opposite the valve stem. When its battery is depleted, Internal Sensors can be replaced only by RV wheel service centers using a compatible sensor. Owners may also substitute with a TLP-compatible stem sensor.

External Sensor (Fig. 59) - A sensor that mounts to a wheel's valve stem. May be installed at the factory or by the user when part of an aftermarket kit. May be added to Internal Sensor systems to replace provide coverage for tow vehicles and spare tires. Includes O-ring and lock-nut.

Charge cord (Fig. 60) - Enables charging of LCD Touchscreen (see next page). USB-B configuration. Custom 90-degree bend to help with cable management.

Mounting arm (Fig. 61) - Secures Monitor to surface such as a tow vehicle's dashboard. Suction cup base, ball and socket flexibility.

External Sensor tool (Fig. 62) - Used to tighten External Sensors on valve stem and to replace CR 1632 battery. Separates into two halves.

Lock-nut Wrench (Fig. 63) - Helps secure External Sensor lock-nut for theft deterrence.



Fig.55



Fig.56



Fig.57



Fig.58



Fig.59



Fig.60



Fig.61



Fig.62



Fig.63

Display Options

Information from the TLP system may be viewed on multiple devices simultaneously.

Fig. 64 - LCD Touchscreen

- Required for pairing Internal Sensors.
- Supports External Sensor Warning.
- Can be added to systems with External Sensors.
- Provides tire-by-tire details or system summary.
- Enables sensor settings and preferences.
- Includes light and dark modes with auto-dimming.
- Works in Bluetooth range of Repeater (35ft/12 meters).
- Provides audible alerts.



Fig.64

Fig. 65 - Mobile App

- Required for External Sensor systems.
- Recommended addition for Internal Sensor systems.
- Provides tire-by-tire details or system summary.
- Enables sensor settings and preferences.
- Includes light and dark modes.
- Works in Bluetooth range of Repeater (35ft/12 meters).
- Enables access through Android Auto™ or Apple CarPlay®.

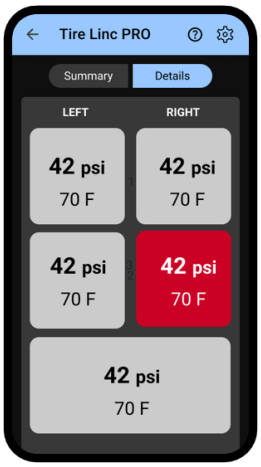

Fig.65

Fig. 66 - Platinum Series™ Panel

- Provides access to tire status.
- Takes advantage of TLP's exclusive inertial sensing technology: when camping, sensors report less frequently, catching slow leaks before departure while extending battery life.
- Requires Lippert RV Control System on RV.
- Change settings on LCD touchscreen or App.



Fig.66

Fig. 67 - Android Auto & Fig. 68 Apple CarPlay

- Receive status through your tow vehicle's Android Auto or Apple CarPlay interface.
- Keeps dashboards free of clutter.
- Reduces dependency on phone while driving.
- Requires pairing TLP system with Mobile App.

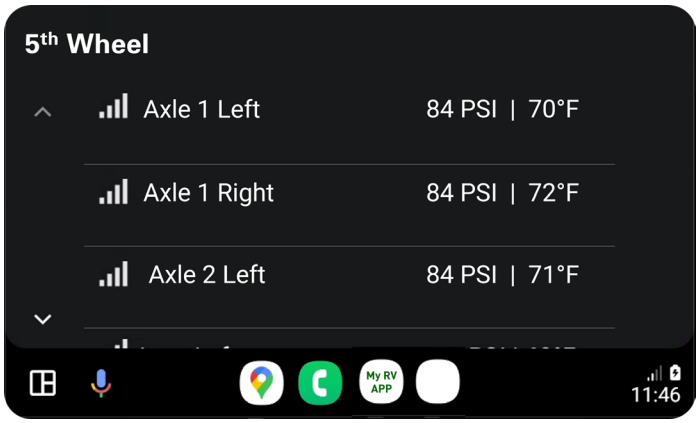

Fig.67

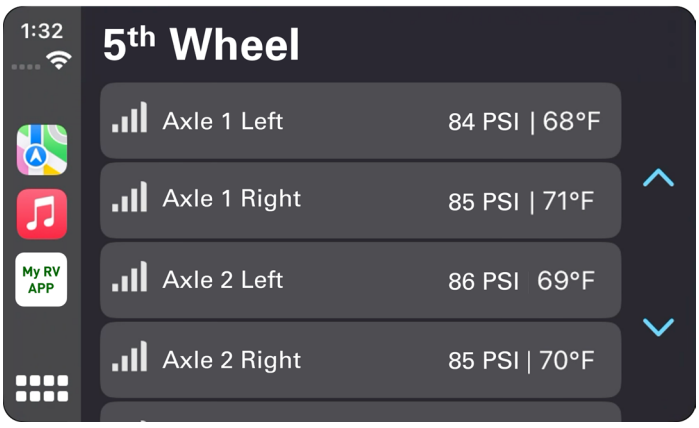

Fig.68

Notes

Notes

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