

**TREAD RITE**  
Tread Reading Tool

# User Guide



## **IMPORTANT NOTICES**

### **COPYRIGHT**

No part of this manual may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means - electronic, mechanical, photocopying, recording, or otherwise - without prior written permission from Bartec.

### **DISCLAIMER**

Bartec makes commercially reasonable efforts to provide accurate and complete data in connection with our tools and our website, but the volume of data compiled and the variety of sources from which the data comes makes it impossible to warrant full accuracy or completeness of any kind. AS A RESULT, BARTEC DOES NOT WARRANT, AND SPECIFICALLY DISCLAIMS ANY WARRANTY, THAT THE SITE, TOOLS, AND/OR THE CONTENT CONTAINED THEREIN IS ACCURATE OR COMPLETE. All specifications, illustrations and information contained within this manual are based on the most current information available at the time of publication. Bartec USA reserves the right to make changes at any time without obligation to notify any person or organization. Bartec USA will do its best to keep you the customer informed of any changes that might affect the tool's performance. Important items will be called out by using **"NOTE."** Information following this indication should always be paid attention to.

iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google LLC. All other trademarks are the property of their respective owners. This document is not affiliated with, endorsed by, or sponsored by Apple Inc. or Google LLC. The use of these trademarks is for identification purposes only.

### **FCC COMPLIANCE**

FCC ID: SX8UTO-NBL-52A IC: 5736A-UTONBL52A

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.

*This device complies with Part 15 of the FCC Rules and 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 harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.*

*L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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.*
- 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

## Table of Contents

<b>IMPORTANT NOTICES .....</b>	<b>2</b>
<b>SAFETY DEFINITIONS .....</b>	<b>4</b>
<b>WHEN WORKING ON A VEHICLE: .....</b>	<b>4</b>
<b>DISPOSING OF EQUIPMENT .....</b>	<b>4</b>
<b>DISPOSING OF BATTERIES .....</b>	<b>4</b>
<b>CORRECT USE OF THE TOOL .....</b>	<b>4</b>
<b>RECEPTION, MAINTENANCE, AND GUARANTEE: .....</b>	<b>4</b>
<b>TOOL LAYOUT .....</b>	<b>5</b>
<b>POWER ON/OFF SEQUENCE .....</b>	<b>5</b>
<b>FITTING BATTERIES .....</b>	<b>5</b>
<b>CONNECTING &amp; REGISTERING .....</b>	<b>6</b>
<b>TREAD SETTINGS .....</b>	<b>6</b>
<b>TAKING A TREAD READING .....</b>	<b>6</b>
<b>CALIBRATION .....</b>	<b>7</b>
<b>COMPLETING A VEHICLE INSPECTION USING A BARTEC TPMS TOOL (TECH550PRO/TECH600PRO)-.....</b>	<b>7</b>
<b>COMPLETING A TREAD INSPECTION USING A BARTEC TPMS TOOL (TECH550PRO/TECH600PRO)- .....</b>	<b>8</b>
<b>TREADRITE APPLICATION .....</b>	<b>9</b>
<b>TREADRITE APPLICATION- QUICK SERVICE .....</b>	<b>10</b>
<b>TOOL SERVICE .....</b>	<b>11</b>
<b>REPLACING THE TREAD DEPTH PIN .....</b>	<b>11</b>
<b>TECHNICAL SPECIFICATION .....</b>	<b>12</b>
<b>ACCESSORIES AND REPLACEMENT PARTS .....</b>	<b>12</b>
<b>TECHNICAL SUPPORT .....</b>	<b>12</b>
<b>FAQ &amp; TROUBLESHOOTING GUIDE .....</b>	<b>13</b>
<b>GLOSSARY .....</b>	<b>13</b>
<b>COMMS ERROR TROUBLESHOOTING .....</b>	<b>13</b>
<b>LIMITED WARRANTY AND REPAIR.....</b>	<b>14</b>
<b>TOOL REGISTRATION FORM .....</b>	<b>15</b>

## SAFETY DEFINITIONS

All **Danger**, **Warning**, **Important**, and **Note** messages must be followed for your safety. These safety messages are in the following form.

- **DANGER:** Means you may risk possible loss of life.
- **WARNING:** Means you may risk possible bodily harm.
- **CAUTION:** Means you risk damage to the vehicle or the tool. These safety messages cover situations Bartec is aware of. Bartec cannot know, evaluate, and advise you to all the possible hazards. You must be certain that any conditions or service procedures encountered do not jeopardise your personal safety.

## SAFETY PRECAUTIONS:

Carefully read the installation, operating and maintenance instructions in the user guide. Do not allow unqualified personnel to use this equipment. This will prevent injury to persons and damage to the equipment. The workplace must be dry, sufficiently lit, and well ventilated. Do not forget that breathing carbon monoxide (odourless) can be very dangerous and even fatal.

## WHEN WORKING ON A VEHICLE:

- Wear suitable clothing and act in such a way as to prevent industrial accidents.
- Before starting, check to be certain the gear shift is in neutral (or in PARK (P) if the transmission is automatic) and put the handbrake on and check to be sure the wheels are completely locked.
- Do not smoke or use naked flames when working on a vehicle.
- Wear safety glasses to protect your eyes from dirt, dust, or metal chips.



## DISPOSING OF EQUIPMENT

- Do not dispose of this equipment as miscellaneous solid waste but arrange to have collected separately.
- The re-use or correct recycling of electronic equipment (EEE) is important to protect the environment and human health.
- Public administrators and producers of electrical and electronic equipment are involved in facilitating the re-use and recovery of waste electrical and electronic equipment through these collection activities and use of appropriate planning arrangements.
- Unauthorised disposal of waste electrical and electronic equipment is punishable by law with appropriate penalties.

## DISPOSING OF BATTERIES

- The TreadRite contains 2x replaceable AAA batteries.



## CORRECT USE OF THE TOOL

- Do not expose the tool to excessive moisture and or water and liquids.
- Do not use the tool near sources of heat or polluting emissions (stoves, ovens, etc.).
- Do not drop the tool.

## RECEPTION, MAINTENANCE, AND GUARANTEE:

Inspect the tool when delivered. Damage sustained during shipment is not covered by the guarantee. Bartec will accept no responsibility for material or bodily harm resulting from inappropriate use of the product, failure to maintain it, or incorrect storage conditions.

Bartec provides training for clients desirous of acquiring the knowledge required for the correct use of its products.

Only personnel authorized by Bartec are permitted to make any repairs that may be necessary. This tool is guaranteed against any manufacturing fault for 1 year as of date of invoice (parts and labour) only if product has been correctly used. Serial number must stay readable, and proof of purchase must be retained for presentation upon request

## TOOL LAYOUT

**Tread Gauge**- Allows the user to visualize a manual tread depth reading.

**Indication Light**- Indicates power on/off status, battery life and calibration status.

**Power**- When pressed once, it turns the tool on/off. It is also used to recalibrate the tool when needed.

**End Cap**- Used to install or replace AAA batteries.

**Tread Pin**- Used to measure tread depth.  
(Replaceable pin).



## POWER ON/OFF SEQUENCE

Press the power on/off button, as shown in Fig. 1.



Fig. 1

The **GREEN** power light will show when turned on, as shown in Fig. 2

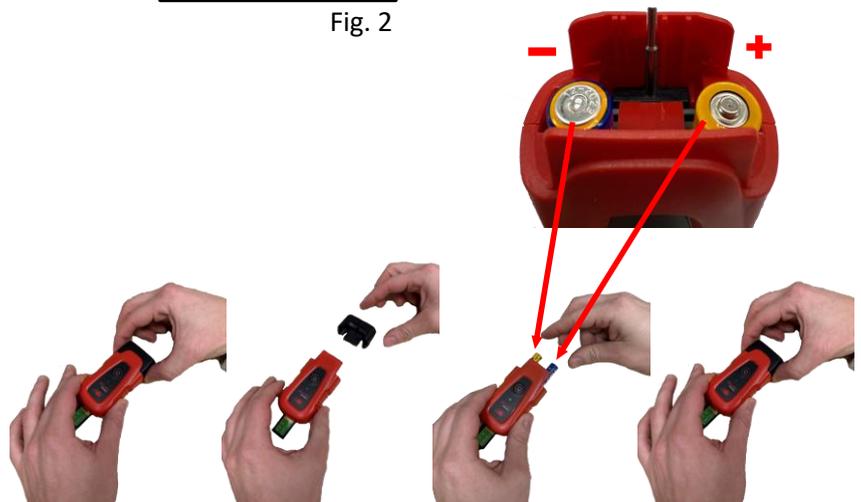


Fig. 2

**NOTE** – The Tool light will be solid **RED** when the battery is low and will flash **RED** when the battery is critically low. At this point, it is recommended to replace the batteries.

## FITTING BATTERIES

1. Remove the end cap by pressing in firmly on both sides of the end cap.
2. Pull outwards to release the end cap from the Tool.
3. Insert the batteries as shown.
4. Press firmly on both sides of the end cap, align the cap and push inwards until the click is heard.



## CONNECTING & REGISTERING

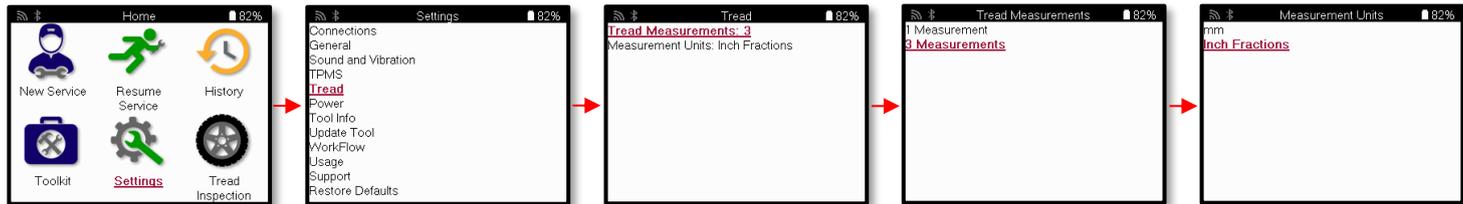
The tool will automatically connect to your device if **Bluetooth** is enabled. If you are using a phone or tablet in sync with the TreadRite application, go into your device settings to verify that **Bluetooth** is enabled. If you use a Bartec TPMS tool, **Bluetooth** is automatically enabled.

Following a service and transferring of data, your TreadRite tool will automatically be registered to the account that your TPMS tool is registered to.

If you do not own a Bartec TPMS tool, the TreadRite will automatically be registered to the account signed into the TreadRite application.

## TREAD SETTINGS

The Tread settings can be changed within the Tech550/600Pro settings. The number of tread measurements can be changed from 3 to 1 within the Tread settings of the TPMS tool or Tread Rite application.



## TAKING A TREAD READING

Before taking a tread reading, ensure the pin is pushed out by pressing the manual tread gauge down.

Once in position, press the tool down so that it is flat against the tire, as shown in Fig. 3.

Follow the sequence indicated on the TPMS Tool or TreadRite application. Starting at the Left Front (LF) tire position placing the TreadRite on the outer edge of the tire moving inward.

The companion device (Bartec TPMS Tool or Phone/Tablet) will beep when the reading has been taken. After reading, repeat the process for each position.

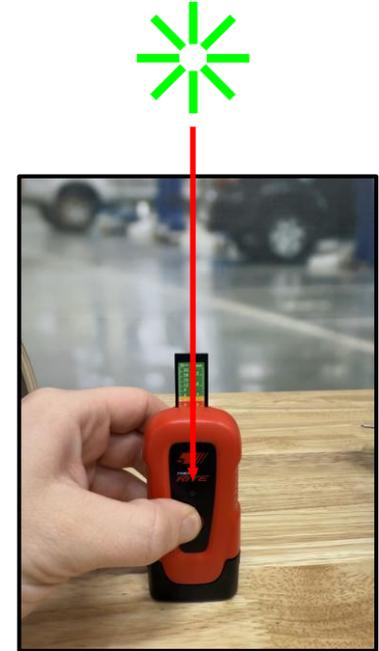
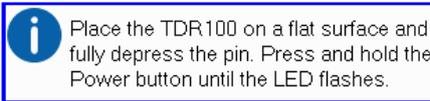
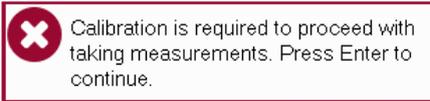


Fig. 3

## CALIBRATION

These messages will appear on the TPMS Tool and/or the TreadRite app when you first use the Tool, and when the TreadRite Tool needs calibrating.

Put the tool onto a flat surface, so that the tread pin is pushed in. Press & hold the power on/off button for 4 seconds or until the GREEN power light flashes.



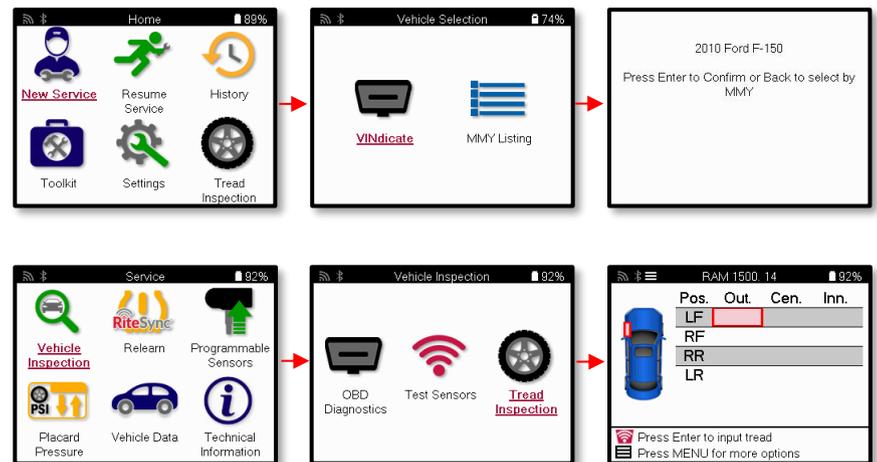
## COMPLETING A VEHICLE INSPECTION USING A BARTEC TPMS TOOL (TECH550PRO/TECH600PRO)-

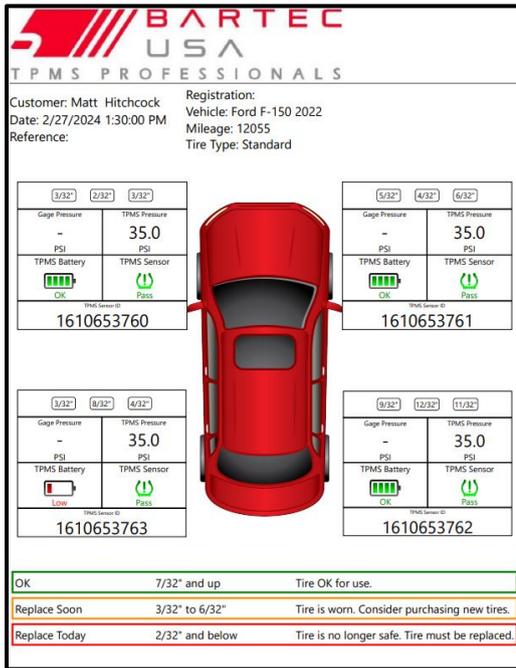
Make sure your TPMS Tool has version 6.0 software or higher.

On the TPMS tool, select the **New Service** option from the home screen, followed by **VINDicate** or manually selecting the **Make, Model, and Year**.

Depending on the vehicle you are working on, you may be asked to select a qualifier, such as Indirect or Direct TPM system.

This will take you to the Service screen where you will then need to select **Vehicle Inspection** followed by **Tread Inspection**. From there, you will begin taking your tread measurements.





The [TPMS Desktop](#) application, available for download on our website, allows you to print and email a comprehensive report on overall vehicle health, including tread and TPMS information.

**Features Include:**

- Customer Information
- Registration
- PSI Pressures
- TPMS Battery Life
- TPMS Sensor Pass or Fail Rating
- Sensor ID's.

Additionally, you will get a visual indicator of whether the tires need to be replaced.

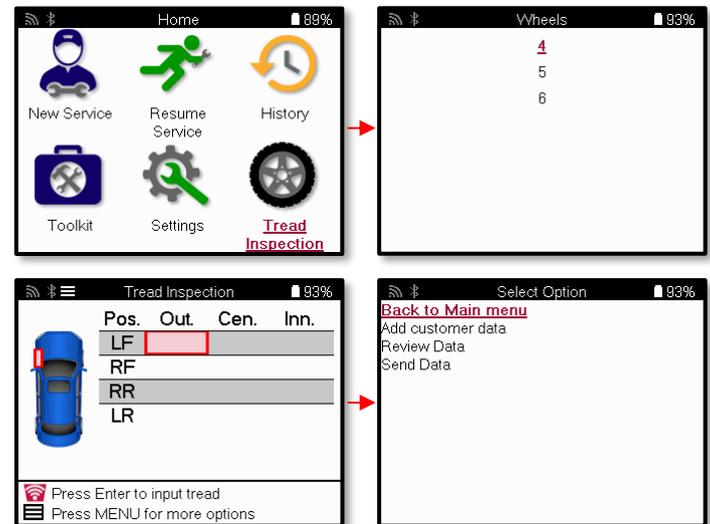
**COMPLETING A TREAD INSPECTION USING A BARTEC TPMS TOOL (TECH550PRO/TECH600PRO)-**

You can perform a tread inspection with a Tech600Pro or Tech550Pro, which allows you to capture a quick tread depth reading on the customer's vehicle.

The tool will automatically connect to your device if **Bluetooth** is enabled.

To complete a Quick Service on a Bartec Tech550Pro or Tech600Pro:

1. Go to **Tread Inspection** on the home screen.
2. Select the number of wheels.
3. Take your tread measurements.
4. When you are finished, the tool will prompt you to:
  - a. **Select Back to Main Menu**
  - b. **Add customer Data**
  - c. **Review data**
  - d. **Send data**



## TREADRITE APPLICATION

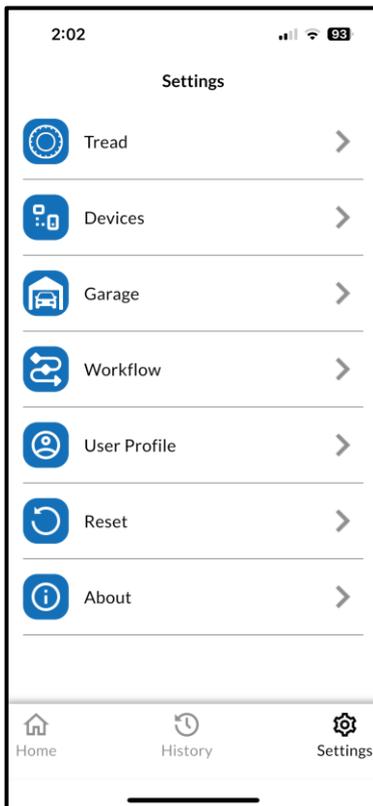
The TreadRite tool is designed to work with or without the Tech550Pro/Tech600Pro. As a standalone tool it can also be used in sync with the TreadRite application.

Download the TreadRite application from either the Apple App Store (for iPhone/iPad) or Google Play Store (for Android).



Launch the TreadRite application, then sign in with your Bartec credentials. If you do not have a Bartec account, you can select “Sign up” below.

The TreadRite application allows you to provide an all-in-one service for your customers. Including MMY inspection, Quick Service, and a branded report that you can email and print from the phone or tablet.

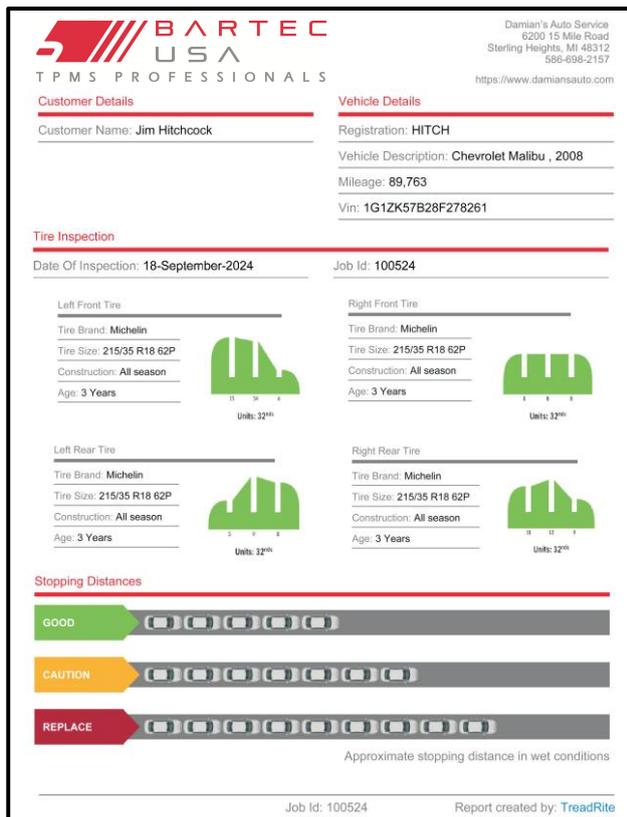
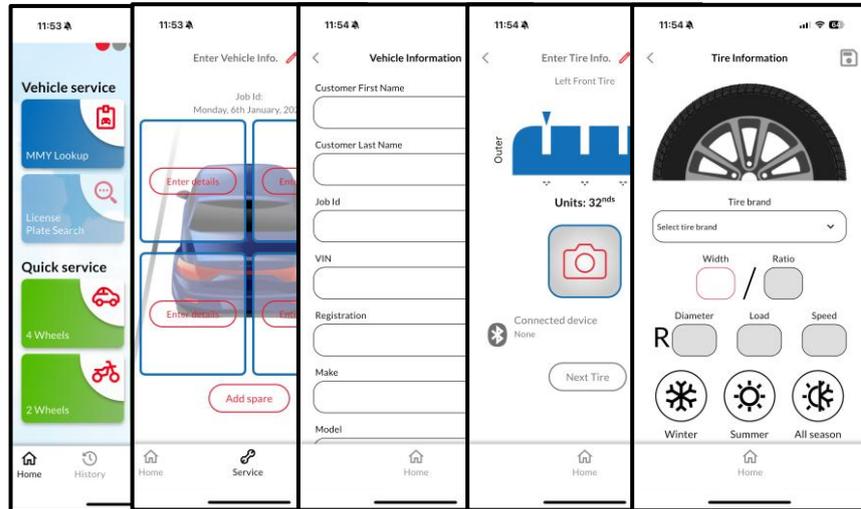


- Tread** Allows you to change the number of measurements, Units of measure, Tread Limits, and Tire Age.
- Devices** Gives you the ability to pair any TreadRite tool or a selected TreadRite tool.
- Garage** Gives you the option to upload a company logo and change/update any business information.
- Workflow** Workflow gives you options such as Measure Spare and Vehicle Lookup.
- User Profile** User profile gives you the ability to change personal details, email preferences, change password and log out.
- Reset** Reset will allow you to reset the application to default settings and erase all the preexisting content.
- About** Terms and Conditions and Licenses.

## TREADRITE APPLICATION- QUICK SERVICE

You can also perform a quick service with the TreadRite application, which allows you to capture a quick tread depth reading on the customer's vehicle.

1. Open the TreadRite application and select **Quick Service**.
2. Enter the vehicle information and select **Save**.
3. Select **Tire Information**.
4. TreadRite also gives you the option to capture a photo of the customer's tread.
5. You can now begin taking accurate tread measurements.



TreadRite gives you the option to print a fully customizable report for your customers, which allows you to provide an all-in-one complete tire service. The TreadRite report can be emailed and printed right to the customer.

### Features include:

- **Customer Details**
- **Vehicle Details**
  - (Registration, Vehicle Description, Mileage, and VIN)
- **Tire Inspection information**
  - (Tire Brand, Tire Size, Construction, and Age)
- **Stopping Distances**
  - (Gives a visual of approximate stopping distances in wet conditions)

## TOOL SERVICE

Your TreadRite tool has been designed especially for the rugged automotive shop environment. When properly cared for and maintained, it will provide years of service. However, accidents happen, and when they do, Bartec stands to deliver excellent support and service to get you up and running again.

### Proper Care and Cleaning:

Like all electronic tools, your tool should always be kept in a safe place away from liquids and damaging chemicals. From time to time, cleaning of device will be required. To clean the tool, use a mild, non-abrasive spray cleanser applied to a soft cloth, and wipe the external surfaces of the tool.



### Service:

If damage occurs, or the tool does not power on, follow these steps to get you back up and running again:

1. Contact our Technical Support team with your concerns. Please ensure your tool is registered and have the serial number ready.
2. If our Technical Support team cannot correct your issues in the field, they will begin the process for a Return Material Authorization (RMA) to have your tool sent in for service. Our Technical Support team will pass your information along to our Repair Department.

Information you should receive includes:

- Your RMA #
- Ship-to address of our repair facility.
- Confirmation of your return shipping address



## REPLACING THE TREAD DEPTH PIN

The TreadRite features a replaceable tread depth pin, which can be replaced if it gets damaged at any point during its life.

Follow the steps below to remove and replace the TreadRite tread depth pin.

1. Remove the End Cap.
2. Press the pin out to get a firm grasp on the tread pin.
3. With the front face of the tool facing towards you, press the tread pin to the right and slide it out of the tool.
4. To install the new pin, simply reverse the steps mentioned above.



**TECHNICAL SPECIFICATION**

<b>Working Environment</b>	Temperature 32°F - 104°F, Humidity: 20-55%
<b>Storage Environment</b>	Temperature 50°F - 122°F, Humidity: 20-60%
<b>Dimensions</b>	4.5" x 1.8" x 1.0"
<b>Weight</b>	2.67 oz
<b>Operating Voltage</b>	2-3.6v
<b>Battery Requirements</b>	2 x AAA

**ACCESSORIES AND REPLACEMENT PARTS**

Item	Description	Bartec Part Number
	Replacement Pin and End Cap for Tread-Rite Tread Depth reader.	BSTTDR100-RP

**TECHNICAL SUPPORT**

To speak with our Technical Support team, please call our toll-free number:

**(866) 407-8767**

Hours of operation: 8am-8pm EST, Monday-Friday.

Or contact us by email: [help@bartecusa.com](mailto:help@bartecusa.com)

Visit our website at [www.bartecusa.com](http://www.bartecusa.com) for a complete directory.

For efficient and accurate service, please have the following information ready when contacting us:

- **Tool Serial Number:** This allows your call information to be added to our database for future reference. Can be found on the back side of the tool or in the settings/tool info.
- **Ensure your tool is registered:** A tool registered with Bartec USA gives you access to technical information which may assist you with your current issue.



If you are unable to reach a customer support agent, please leave a voicemail. A Bartec customer support agent will contact you as soon as possible.

## **FAQ & TROUBLESHOOTING GUIDE**

- **My TreadRite device is not turning on?**
  - Make sure that the batteries are in good condition and inserted properly. Also, ensure that the End Cap is fully pushed in.
- **How do I know if the batteries in the TreadRite need to be replaced?**
  - The Tool light will be solid **RED** when the battery is low and will flash **RED** when the battery is critically low, at this point it is recommended to replace the batteries.
- **The TreadRite is losing connection to my Bartec Tech550/600Pro and tablet/phone?**
  - Make sure to keep both devices within approximately 20 feet.
- **What is the warranty period for TreadRite?**
  - The TreadRite comes with a 1-year warranty from the original date of purchase.

## **GLOSSARY**

**Bluetooth:** is a wireless technology standard for exchanging data over short distances from fixed and mobile devices.

**Tread:** Tire tread refers to the grooves and ridges on a tire's surface that improve traction and help channel water away from the tire, preventing hydroplaning.

**Tread Depth Pin:** A replaceable tread depth pin, which can be replaced if it gets damaged at any point during its life.

## **COMMS ERROR TROUBLESHOOTING**

- **Verify tool battery level**
  - Verify that the tool has sufficiently charged batteries before use.
- **Check device Bluetooth settings**
  - Make sure to turn the Bluetooth on your Android or iPhone device before a connection can be made.

## LIMITED WARRANTY AND REPAIR

Bartec products are guaranteed for a period of 1 years from the original date of purchase (either from the factory or authorized dealer). In order for your warranty to become active, you must register your tool with Bartec USA by mailing in the warranty card or registering on our website. We warranty that the tool will be free from defects in material and workmanship, when properly used. THIS WARRANTY APPLIES ONLY TO THE ORIGINAL CONSUMER PURCHASER OF THIS PRODUCT. In the event of a defect, Bartec USA LLC will, at its discretion, repair or replace the tool with a product of like kind or quality, which may be new or reconditioned. The repaired or replaced product will be warranted for 90 days from the date of return shipment, or for the balance of the original warranty, whichever is longer. Claims of all defects must be submitted within 30 days of occurrence and verified by an authorized Bartec representative.

### Limitation of Liability:

Under no circumstances shall Bartec be liable for any special, consequential, or incidental damage arising from any defect in products manufactured or sold by Bartec outside of the responsibilities expressed by this warranty. No person, distributor, or representative of Bartec is authorized to make any representations on behalf of Bartec beyond those expressly stated in the applicable literature. Bartec reserves the right to make design and other changes, modifications, or improvements without any obligation to install the same on previously sold or delivered products.

It is expressly agreed that the liability of Bartec is limited, and we do not function as an insurer. The remedies set forth in this warranty shall continue the exclusive remedies available to the purchaser or user and are in lieu of all other remedies expressed or implied. The liability of Bartec, whether in contract, or in tort, under any warranty or otherwise, shall not exceed the selling price by Bartec or the manufacture of the particular product made, sold, or supplied by Bartec.

### Exclusions:

The following items are excluded from the warranty coverage:

- periodic maintenance and repair or replacement of parts due to normal wear and tear
- batteries (except internal)
- finishes
- service performed or attempted by anyone other than an authorized Bartec service technician.

*Opening, dismantling, or repairing of this product by anyone other than an authorized Bartec technician will void this warranty.*

This warranty does not apply to damage or loss by and for all the conditions:

- Freight Damage
- Decals, Overlays or Decorative Items
- Misuse or misapplication or failure to follow the directions, or failure to follow cautions or warnings on product, operation, service guides, etc.
- Minor stress cracks in surfaces that are considered cosmetic and have no effect on tool function or performance or safe use.
- Any damage related to fire, accident, misuse, acts of war, disaster, terrorism, or God.

It is expressly agreed that the liability of Bartec limited WARRANTY IS EXCLUSIVE. BARTEC DISCLAIMS ANY AND ALL OTHER WARRANTIES.

Bartec USA, LLC does its very best to ensure the accuracy of the information contained in work instructions but cannot be responsible for errors or omissions by third party sources.

This warranty is exclusive to the original purchaser of the tool and is not transferable.

### Repair Terms:

To obtain service for your Bartec tool the purchaser must obtain a Return Materials Authorization (RMA) number from Bartec USA customer service prior to shipping. Bartec shall not be liable for any expense incurred by purchaser in order to remedy a defect without prior authorization. To obtain your RMA number, you will need to provide at a minimum the follow: 1) Model and Serial Number, 2) Supplier from which the tool was purchased 3) Date of purchase, 4) Description of problem, how and when it occurred. Please note that Bartec USA may attempt to have you try some things in the field prior to issuing an RMA number to determine if the tool does need to come back. The purchaser must return the product per the instructions on the RMA form.

Bartec USA may refuse your delivery if the RMA number is not clearly marked on the outside of the box.

Bartec USA reserves the right to refuse to provide service free-of-charge if the sales receipt is not provided or if the information contained in it is incomplete or illegible or if the serial number is altered or removed. Bartec USA is not reasonable for any losses or damage to the product incurred while the product is in transit or is being shipped for repair.

**IMPORTANT NOTE: IN ORDER TO COMPLETELY & PROPERLY DIAGNOSE THE ISSUE THE ENTIRE KIT MUST BE RETURNED**

### Warranty Repair Freight:

Inbound freight costs for warranty repair tools will be the responsibility of the customer. Freight costs out bound will be paid by Bartec and returned in the same method as the inbound.

### Non-Warranty Repair Freight:

Inbound freight costs for non-warranty repair tools will be the responsibility of the customer. Outbound Freight costs will be paid by Bartec and returned UPS ground.

### Freight:

#### Warranty Repair:

Inbound freight costs for warranty repair tools will be the responsibility of the customer. Freight costs out bound will be paid by Bartec and returned in the same method as the inbound.

#### Non-Warranty Repair:

Inbound freight costs for non-warranty repair tools will be the responsibility of the customer. Outbound Freight costs will be paid by Bartec and returned UPS ground.

### MECHANICAL TOOLS & CABLES:

#### Warranty:

Bartec MECHANICAL Tools and cables are warranted for 180 days from the ORIGINAL purchase date (from an AUTHORIZED DEALER). When properly used and maintained, Bartec will warranty the tool to be free from defects in material and workmanship. The Warranty applies ONLY to the ORIGINAL OWNER and is not transferable. In the unlikely event of a defect, Bartec will at its discretion repair or replace the tool with a product of like kind or quality which may be new or reconditioned. The repaired or replaced product will be warranted for 90 days from the date of the return or the balance of the original warranty, whichever is longer. Claims of ALL defects must be submitted within 30 days of occurrence and verified by an AUTHORIZED BARTEC agent or representative.

**TOOL REGISTRATION FORM**

*Only complete and send this form if you do not have access to register your tool online.*

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone #: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Fax #: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Date of Purchase: \_\_\_\_/\_\_\_\_/\_\_\_\_ Supplier Purchased From: \_\_\_\_\_

Tool Serial Number: \_\_\_\_\_ Model: \_\_\_\_\_

Email Address: \_\_\_\_\_

Desired Username: \_\_\_\_\_

Desired Password: \_\_\_\_\_

Detach and mail to:

**Bartec USA**  
**6475 19 ½ Mile Road**  
**Sterling Heights, MI 48314**

Or fax to:

**(586) 323-3801**



Bartec USA, LLC  
6475 19 ½ Mile Road  
Sterling Heights, MI 48314  
(866) 407-8767