



Operator Manual

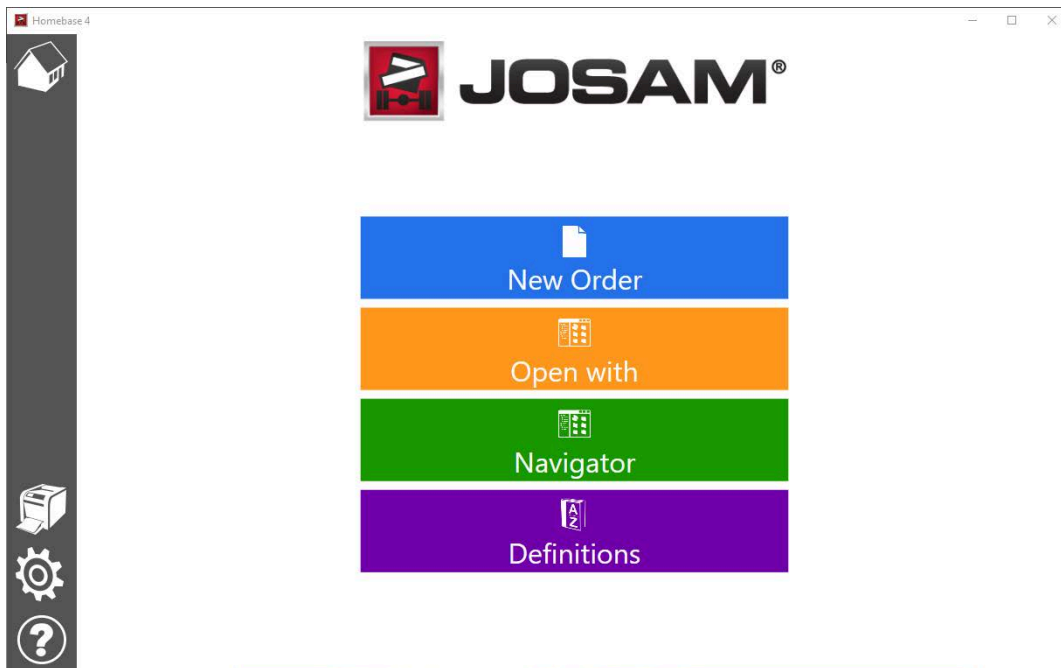
Tire Manager

Contents

1 Software settings	3
1.1 Communication	4
1.2 Workflow	5
1.3 Calibration check	6
2 Hardware settings	9
3 Create a Work Order	10
4 Measure	14
4.1 Measure manually	16
4.2 Measure with connected device	17
4.2.1 Scan single wheel	17
4.2.2 Scan vehicle	20
5 Error messages and indicators	24

1 Software settings

This manual will only describe the sections specific to the Tire manager plugin. For the common settings, see the Homebase 4 Manual (T 194).



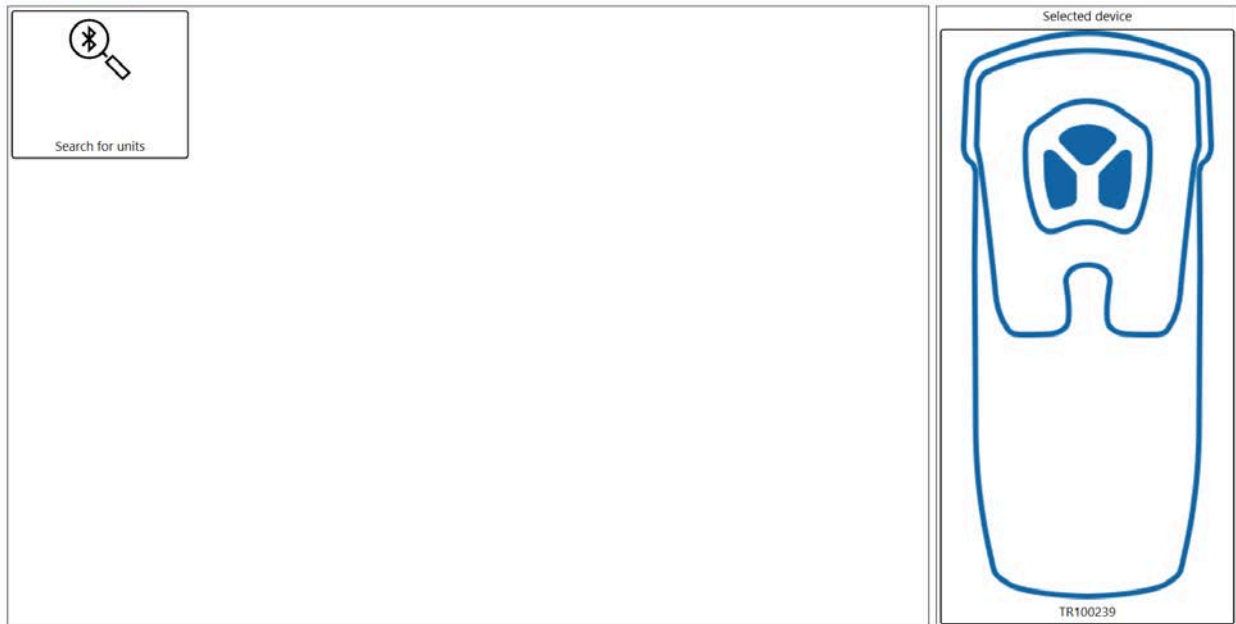
Click **[Settings]** to enter the program setup. Before using the system for the first time, it is required to enter the setup area to configure the program settings. These settings will then be stored in the program.



1.1 Communication

To access the Communication window, click Tire Management and Communication in the top menu bar.

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Communication Workflow Calibration



The left side of the screen shows all available devices that can be used.



If no available devices are visible, make sure the devices you wish to use are switched on, then press **[Search for units]** and wait until the devices appear in the available devices list (in some cases it may be necessary to repeat this process).

When your devices are visible, select the device you wish to use by clicking on it once. The device will then move to the right side of the screen, and the program will attempt to connect to it.

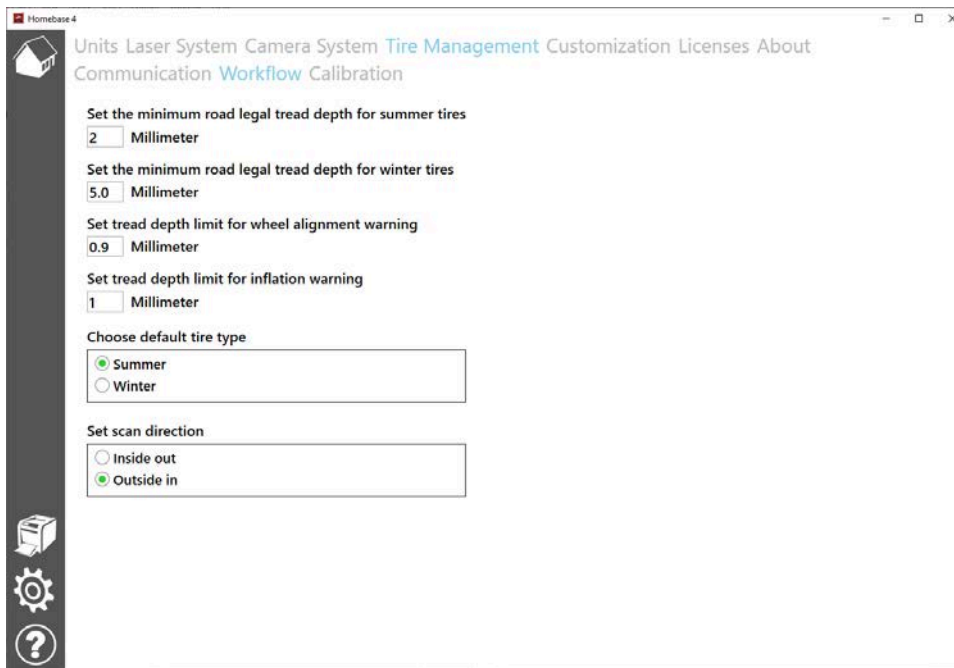


A successful connection is indicated by a change of colour to blue and the unit will buzz two times.

The software will remember your selection and will automatically try to connect to the same devices the next time it is started.

To disconnect the device, click on the blue device icon.

1.2 Workflow



Homebase 4

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Communication Workflow Calibration

Set the minimum road legal tread depth for summer tires
 Millimeter

Set the minimum road legal tread depth for winter tires
 Millimeter

Set tread depth limit for wheel alignment warning
 Millimeter

Set tread depth limit for inflation warning
 Millimeter

Choose default tire type
☒ Summer
☐ Winter

Set scan direction
☐ Inside out
☒ Outside in

Set the minimum road legal tread depth for summer tires

Sets the minimum limit for road legal tread depth for summer tires. The value frame will show different colours to indicate the measured value relative to the limits. See [4 Measure, page 14](#).

Set the minimum road legal tread depth for winter tires

Sets the minimum limit for road legal tread depth for winter tires. The value frame will show different colours to indicate the measured value relative to the limits. See [4 Measure, page 14](#).

Set tread depth limit for wheel alignment warning

Sets the tread depth limit for wheel alignment warning, if over limit a warning box will appear

Set tread depth limit for inflation warning

Sets the tread depth limit for inflation warning, if over limit a warning box will appear

Choose default tire type

Selects what type of tire that should be measured

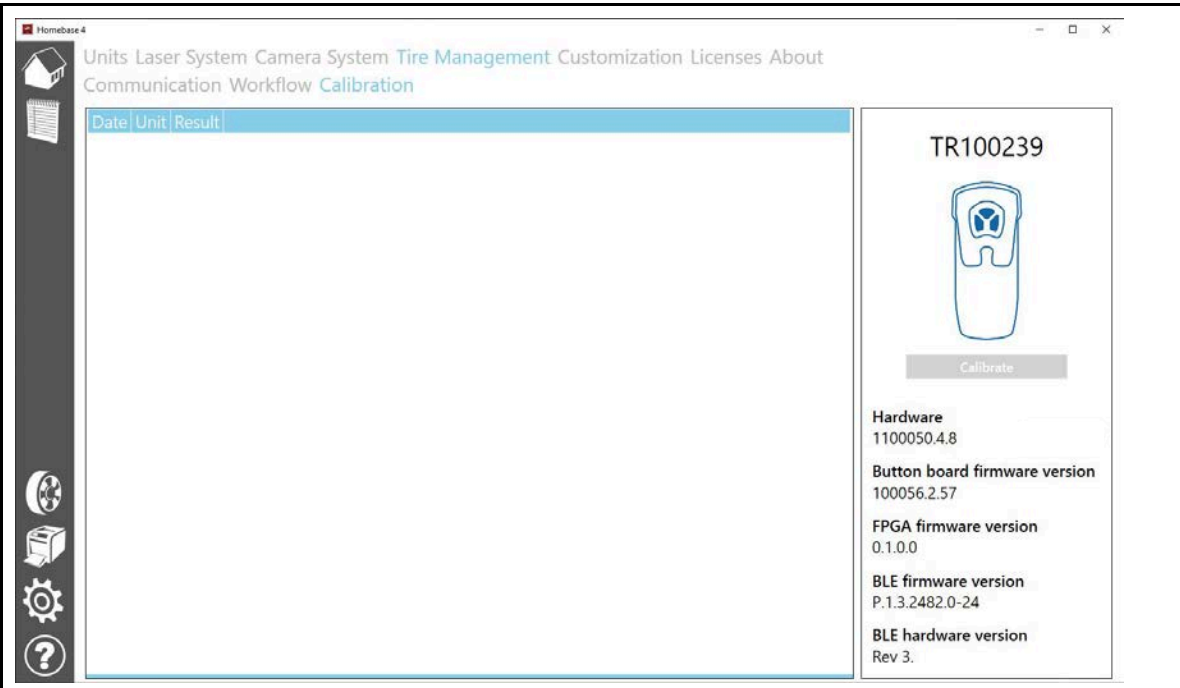
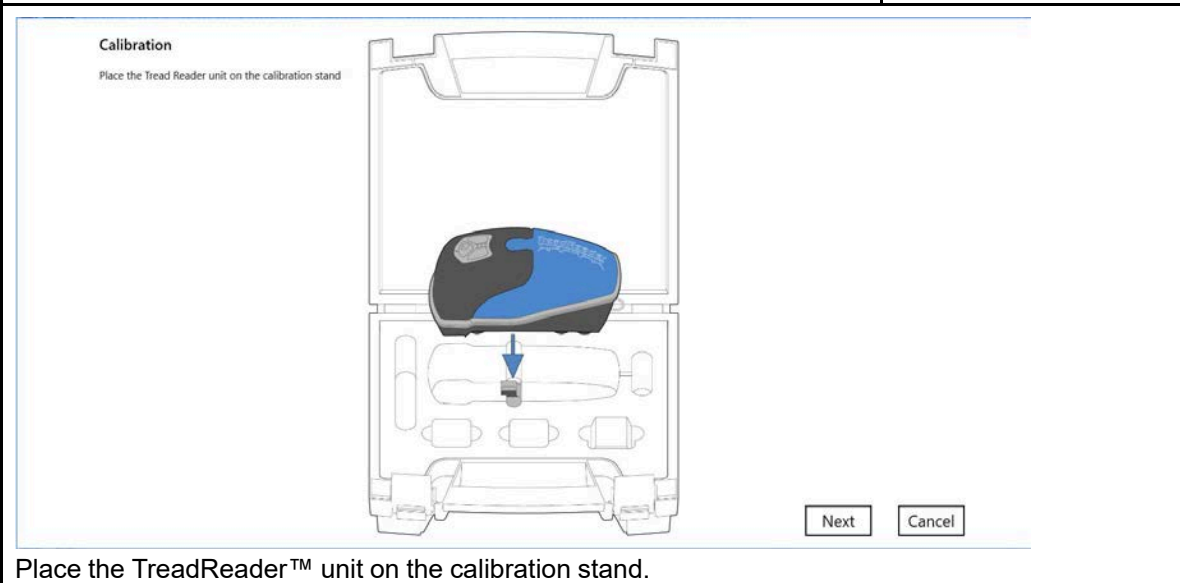
- **Summer** means that settings for summer tires will be used in the measurement as default
- **Winter** means that settings for winter tires will be used in the measurement as default

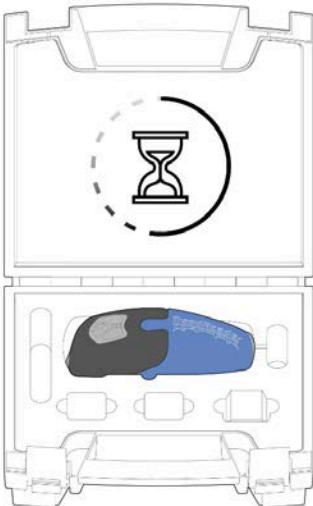
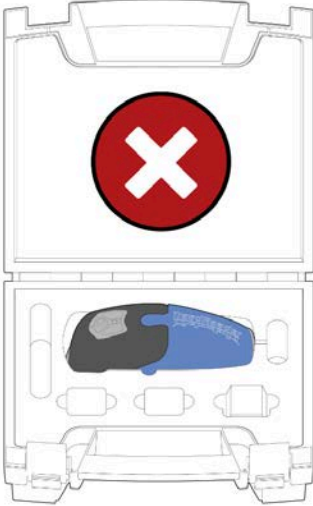
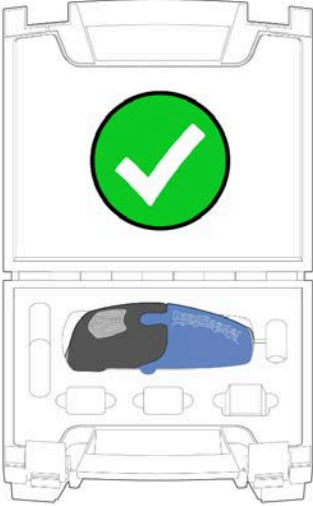
Set scan direction

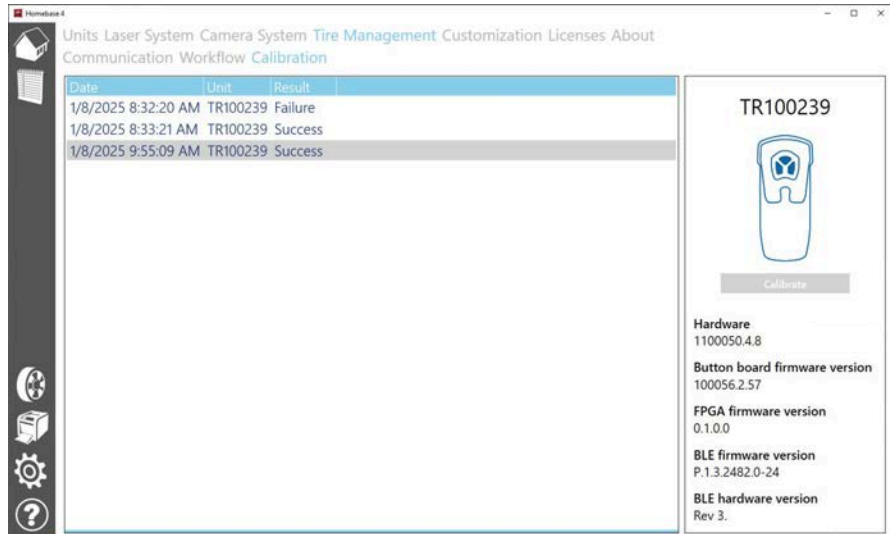
Selects the scan direction to be used

- **Inside out.** (from the frame to the outside of the tire.)
- **Outside in.** (from the outside of the tire to the frame.)

1.3 Calibration check

1.	
	<p>On this page information about the connected TreadReader™ is visible. By clicking [Calibrate] the device can be calibrated.</p> <p>When clicking [Calibrate] instructions will be visible on the screen.</p> <div data-bbox="1155 983 1422 1025" style="text-align: right;">Calibrate</div>
2.	
3.	<p>Click [Next] to start the calibration.</p> <div data-bbox="1155 1666 1238 1709" style="text-align: right;">Next</div>

4.	<div data-bbox="231 197 1252 728"><p>Calibration</p><p>Calibrating, please do not remove the unit</p><p>Cancel</p></div> <p>The calibration starts, please do not remove the unit.</p>
5.	<div data-bbox="231 792 1252 1321"><p>Calibration</p><p>Calibration done, result: Failure</p><p>OK</p></div> <p>If the calibration does not succeed, this error message will appear. Please check that the unit is powered on, and check that it is placed correctly in the calibration stand. Please contact Josam support if error persists.</p>
6.	<p>Press [OK] to get back to the calibration start screen and redo the calibration.</p> <p>OK</p>
7.	<div data-bbox="231 1520 1252 2049"><p>Calibration</p><p>Calibration done, result: Success</p><p>OK</p></div> <p>If calibration is succeeded, this message will be shown.</p>

8.	Press [OK] to proceed to the calibration start screen.	<input type="button" value="OK"/>
9.	 <p>All calibrations of the unit are now listed on the screen.</p>	

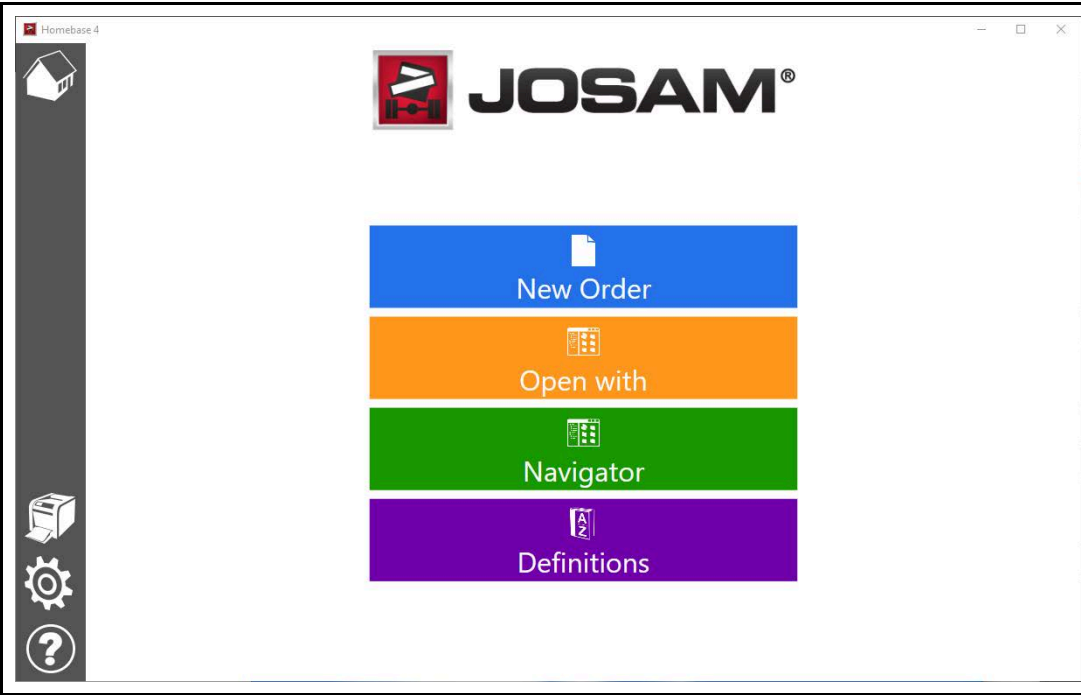

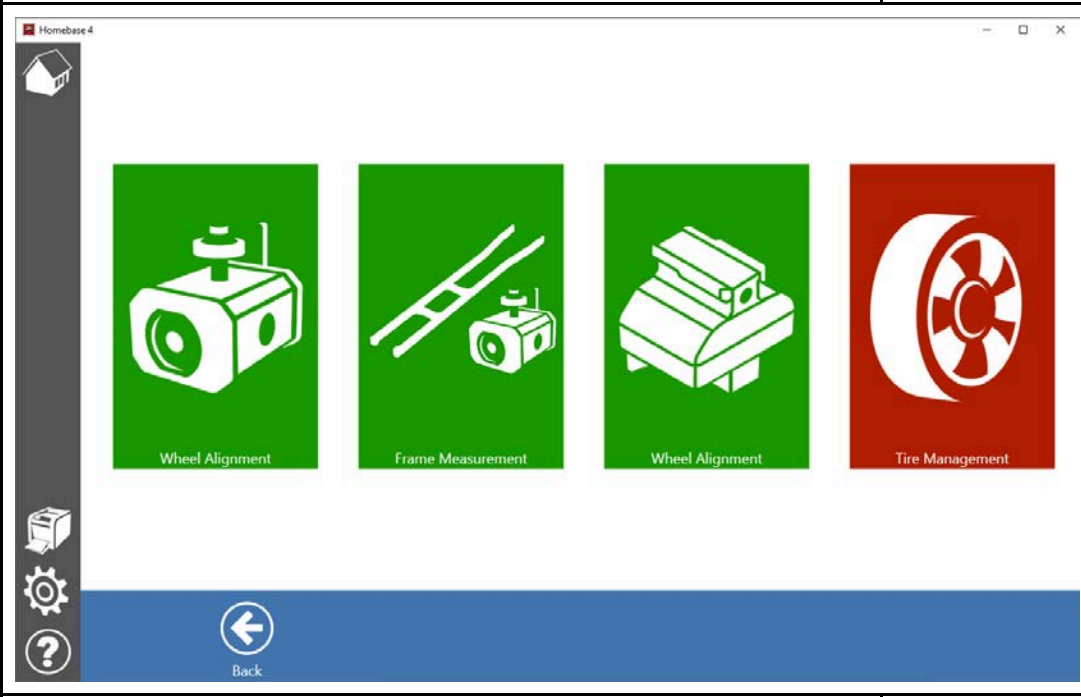


2 Hardware settings

This manual is specific for TreadReader™ Handheld scanner.

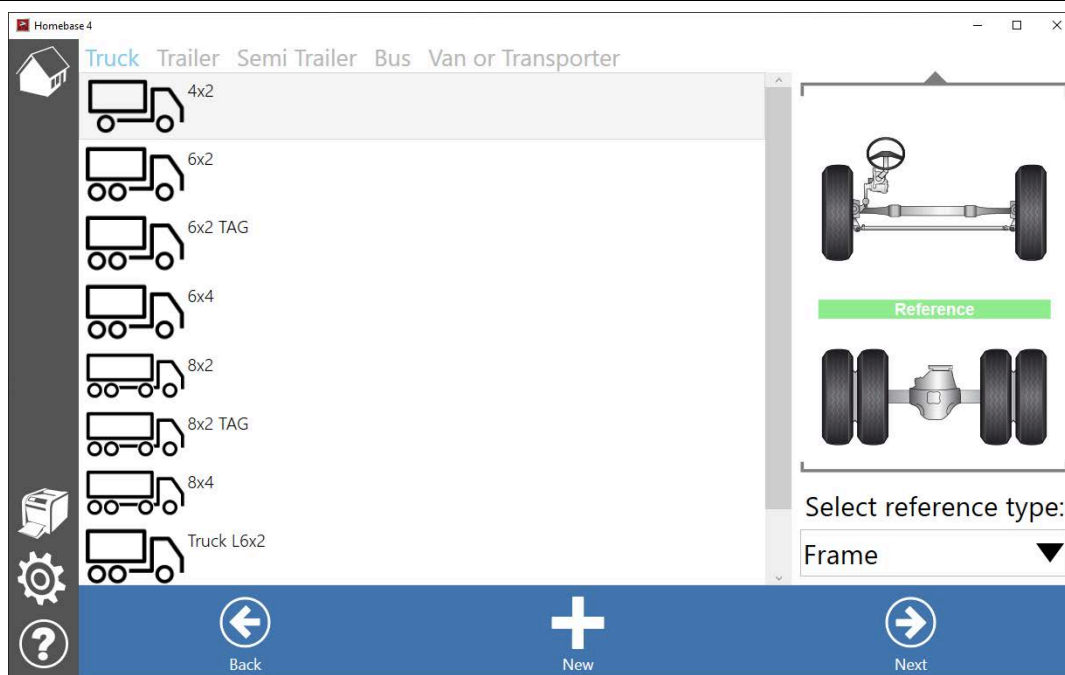


For more instructions and specifications about the TreadReader™, please see Handheld Product Manual on this page <https://treadreader.com/manuals/>

3 Create a Work Order

1.		
To access the new order menu, click on [New order]		
2.		
 The list of applications may vary depending on the installation Select [Tire Management] .		

3.



Select a vehicle type from the top menu (Truck, Trailer, Semi-trailer, Bus, Articulated Bus, Combined vehicle, Van or transporter). Click on the desired vehicle definition.

See Homebase 4 User Guide, chapter Definitions, for detailed instructions.

If the desired definition doesn't exist, a new definition can be created by clicking **[New]**



New

Click on **[Next]** to continue.



Next

Click on **[Back]** to return to the definition selection window.



Back

4.

Select a wheel size. Selecting the wheel size informs the software how far the vehicle is to be rolled in the rolling sequence.


See Homebase 4 User Guide, chapter Definitions, for detailed instructions.



Back



5.



Enter the VIN (Vehicle Identification Number) or vehicle number plate. A previously used VIN can also be selected from the list.

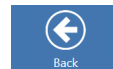
Enter or choose customer and employee. Add comments if needed.

Click on **[Save and start measure]**

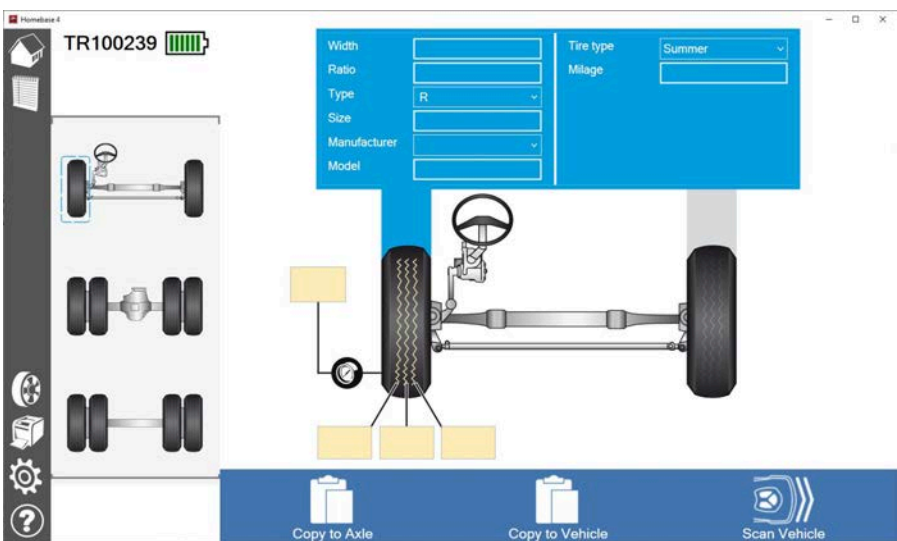






The software will proceed automatically to the pre-selected measurement process.

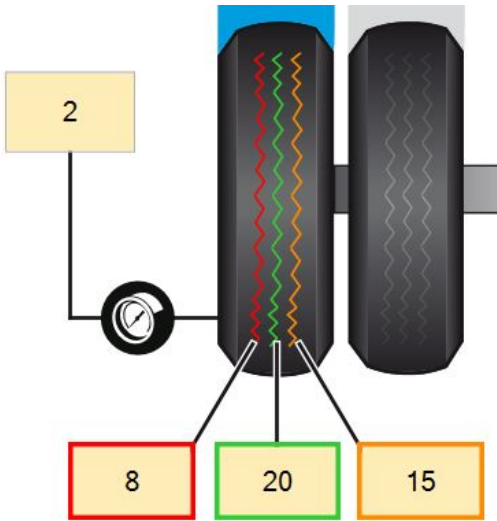



Click on **[Back]** to return to the definition selection window.



4 Measure

1.		
	<p>Click on a wheel to choose the wheel you want to edit. Enter details for each wheel:</p> <ul style="list-style-type: none"> • Width • Ratio • Type (R for Radial, D for Diagonal) • Size • Manufacturer • Model • Tire type (Summer or Winter) • Milage 	
2.	<p>[Copy to Axle] will copy all the wheel information to the whole axle.</p>	
	<p>[Copy to Vehicle] will copy all the wheel information to the whole vehicle.</p>	
	<p>[Scan Vehicle] will open new window for measuring with connected device.</p>	
	<p>Battery icon that shows battery level of the connected TreadReader™.</p>	
	<p>Battery icon that shows that the TreadReader™ is not connected.</p>	
	<p>Shows unit name of the connected TreadReader™</p>	<p>TR100239</p>

3.	
	<p>When a wheel is selected you can choose to either enter values manually in the yellow boxes, or choose to [Scan Vehicle] to scan the wheel with connected TreadReader™. Scan Vehicle will scan all tires of the vehicle.</p> <div style="float: right;">  </div>
	<p>The values will be compared to the limits that has been set on 1.2 Workflow page, page 5. The frame will show different colours to show the measured value relative to the limits.</p> <ul style="list-style-type: none"> • Green colour indicates that the value is within the preset tolerance. • Red colour indicates that the value is not within the preset tolerance. • Orange colour indicates that the value is acceptable but close to the tolerance.



Refer to the manufacturer's specifications for correct tire pressure and positioning of the tires.



Tire pressure is measured manually



Unit will power off after five minutes of inactivity.

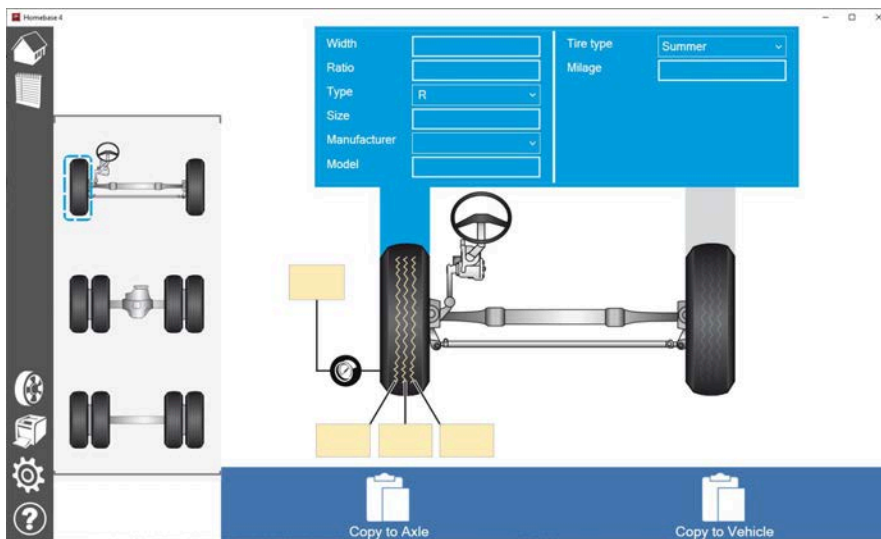
4.1 Measure manually

1.



If no device is connected the measurement can be performed manually with, for example a tread depth gauge

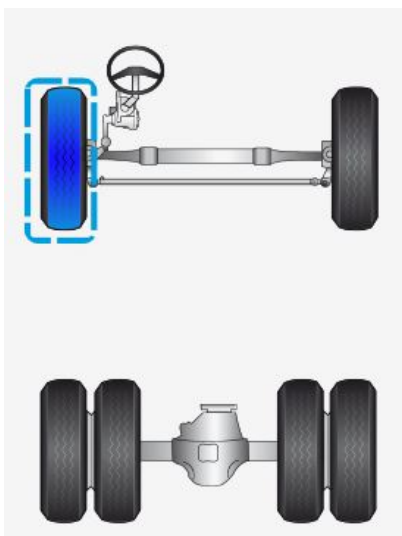
2.



The values are then entered in the boxes for each wheel.

The values will be saved automatically. You change wheel to measure by clicking it.

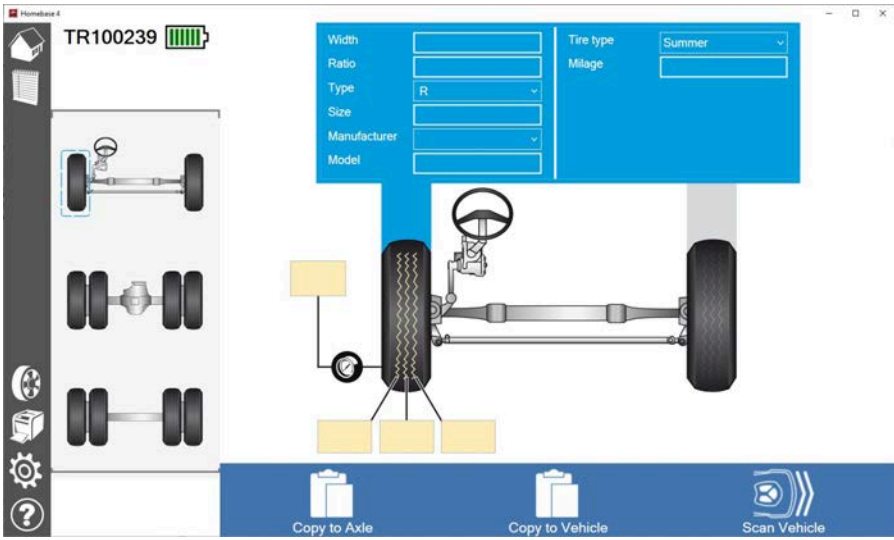

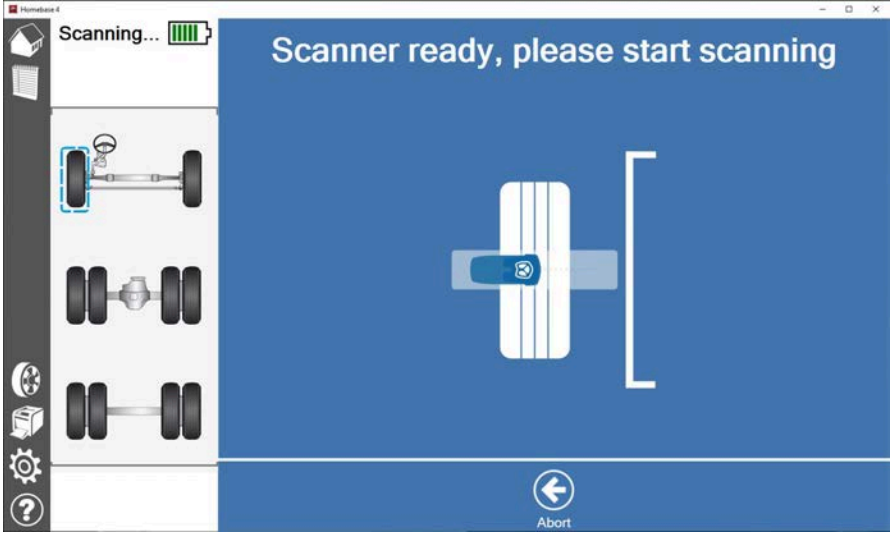
3.

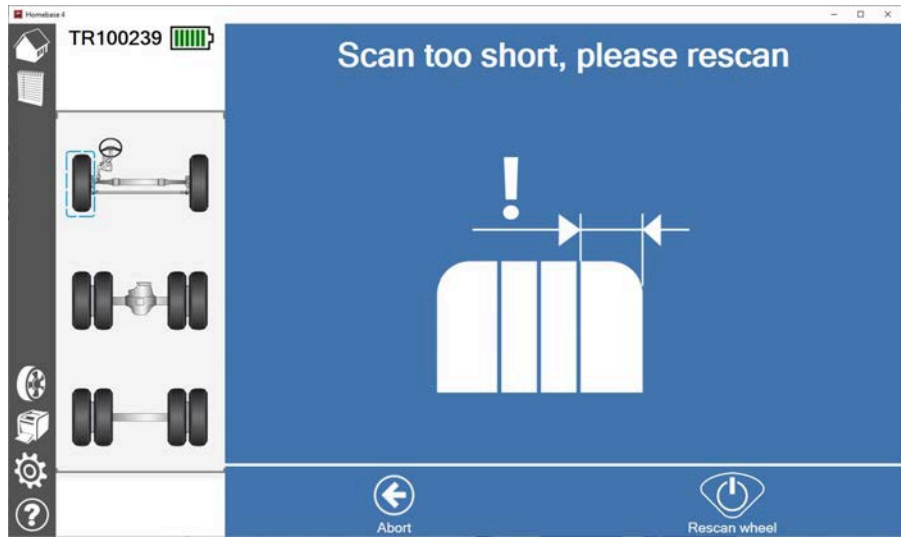

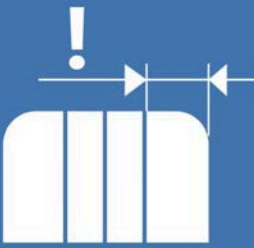

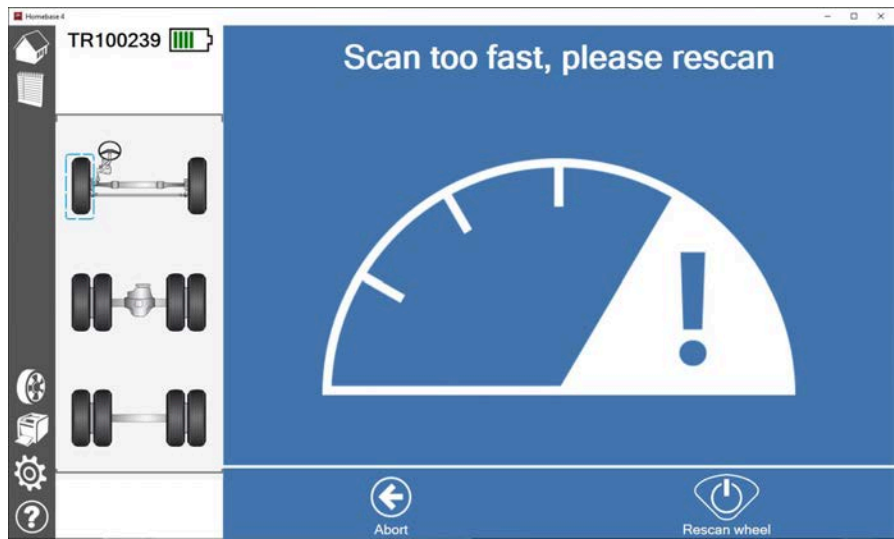







When a wheel has been measured and has values saved it will be blue.

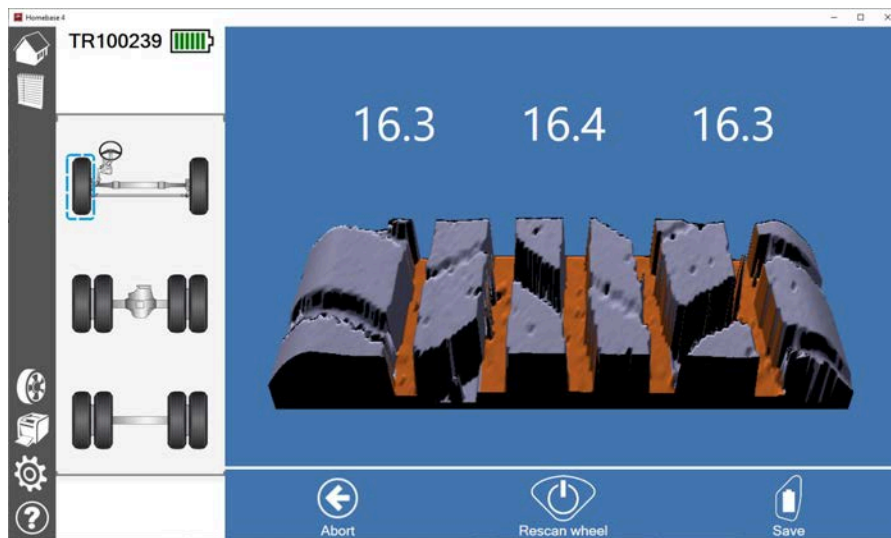
4.2 Measure with connected device

4.2.1 Scan single wheel

1.	
	<p>To scan a single wheel, click on the wheel you want to scan and then press the battery button on the TreadReader™.</p> 
2.	 <p>Follow the instructions shown on the screen.</p>
3.	<p>Depending on scan direction setting on 1.2 Workflow page, page 5 image will show correct direction.</p>

	 <p>TR100239 </p> <p>Scan too short, please rescan</p> <p>! </p> <p>Abort  Rescan wheel</p>	
<p>4.</p>	 <p>TR100239 </p> <p>Scan too fast, please rescan</p> <p></p> <p>Abort  Rescan wheel</p>	
<p>Click [Rescan wheel] to redo the scan either on the screen or on the TreadReader™.</p>	 <p> Rescan wheel</p>	

5.



When a correct scan has been performed, a result screen is shown.

Now the following options are visible:

6.

[Abort] will cancel the scanning and the start of the measurement will be visible.



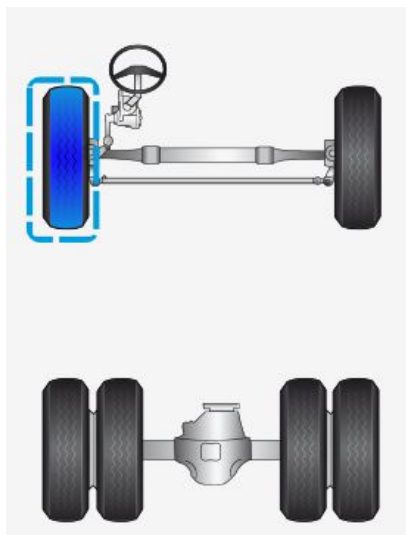
[Rescan wheel] will open the scanning window again where you can re-do the scan. Clicking the power button on the connected TreadReader™ will do the same thing.



[Save] will save the measurement for the current wheel and return to the tire manager screen. Clicking the battery button on the connected TreadReader™ will do the same thing.

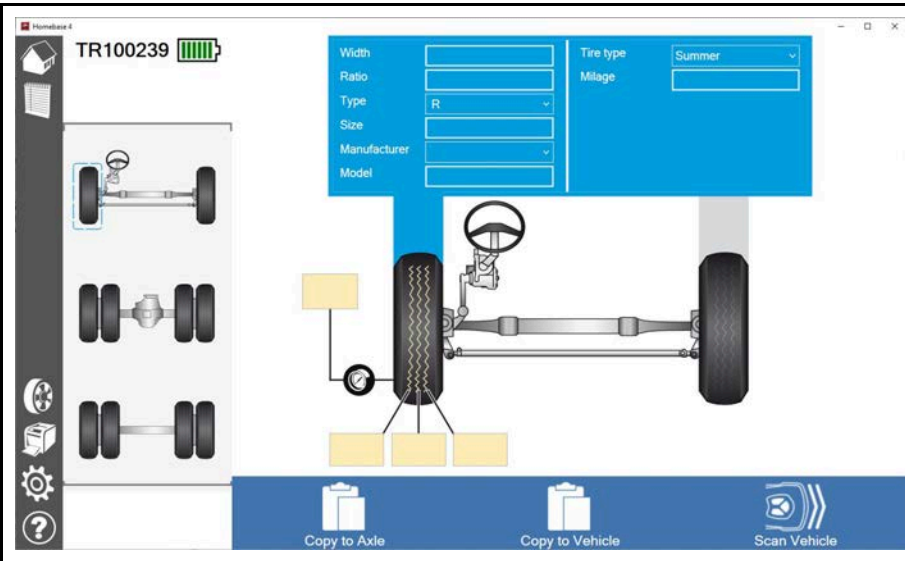


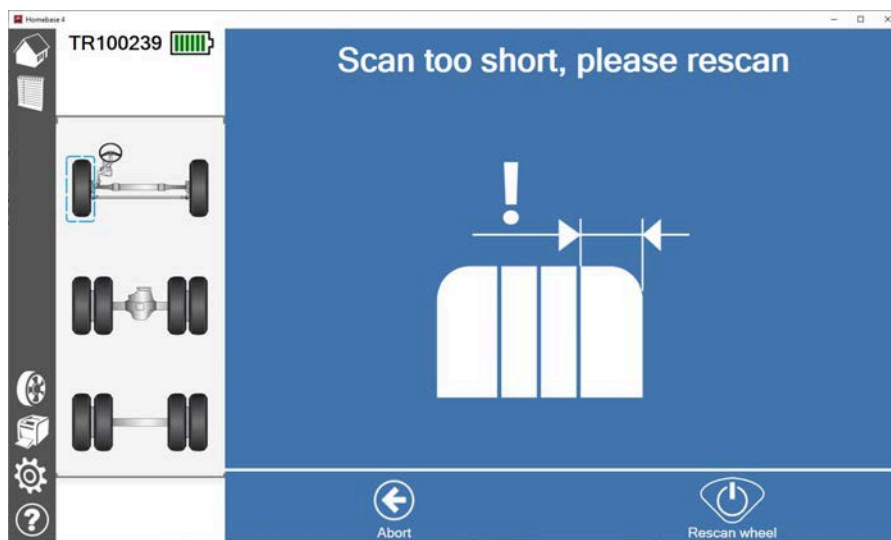
7.



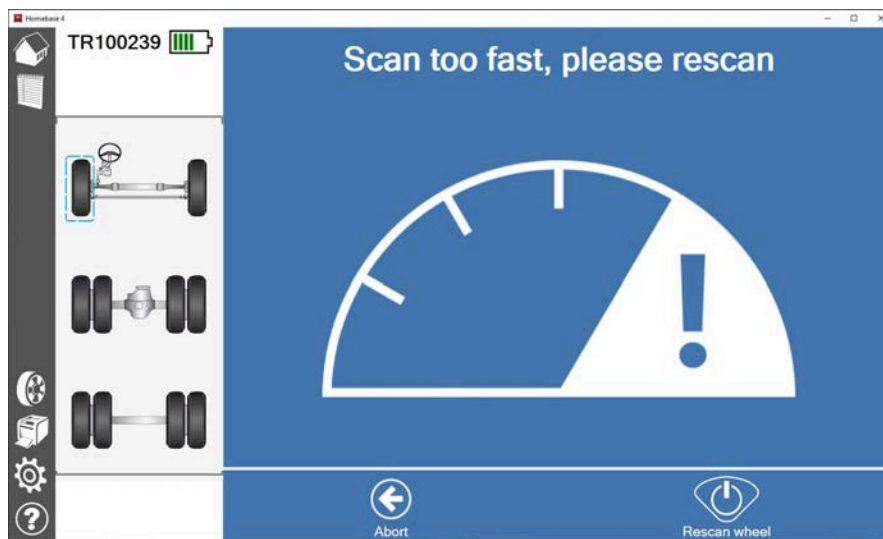
When the wheel has been saved, it will be blue.

4.2.2 Scan vehicle

1.	
	<p>To scan the wheels with connected device, click [Scan Vehicle]</p> <div data-bbox="1152 817 1265 891" data-label="Image"> </div>
2.	<p>A window with instructions is shown. Depending on scan direction setting on 1.2 Workflow page, page 5 image will show correct direction.</p>



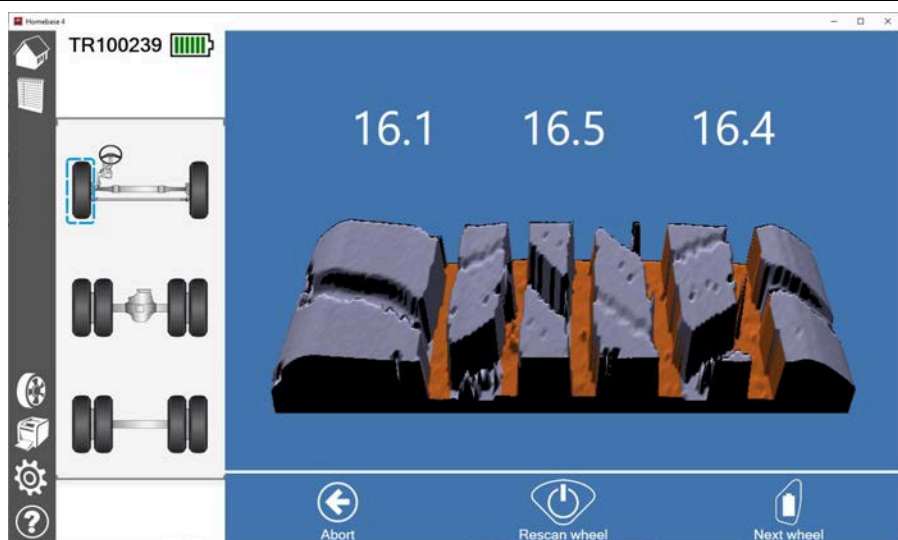



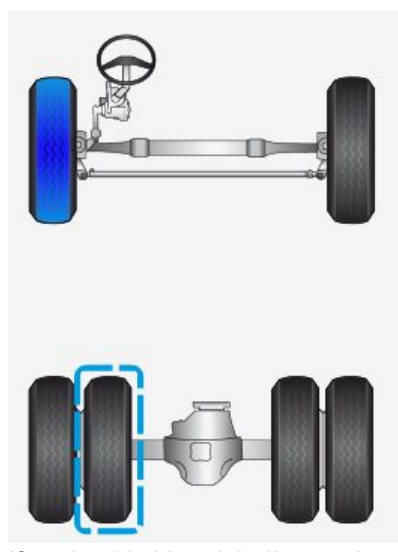

If the scan is not long enough this screen will appear.



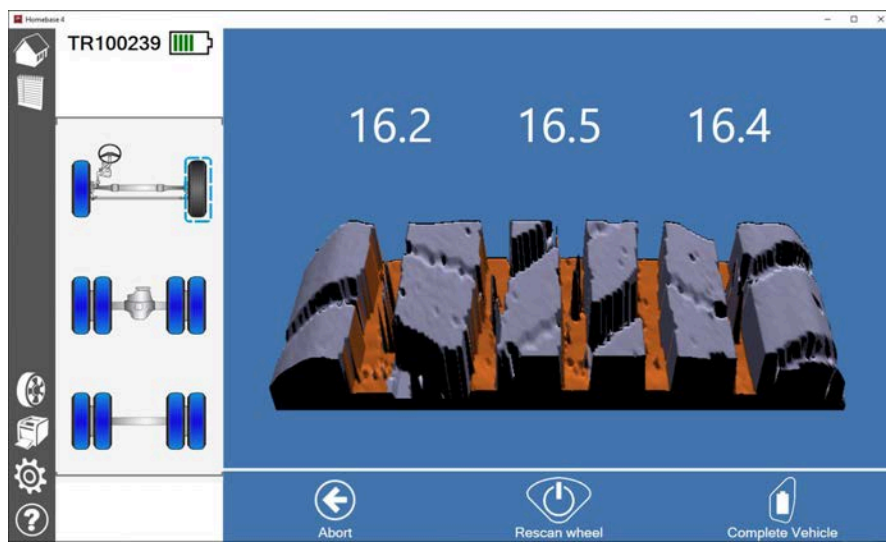
If the scan is too fast this screen will appear.

Click [**Rescan wheel**] to redo the scan either on the screen or on the TreadReader™.



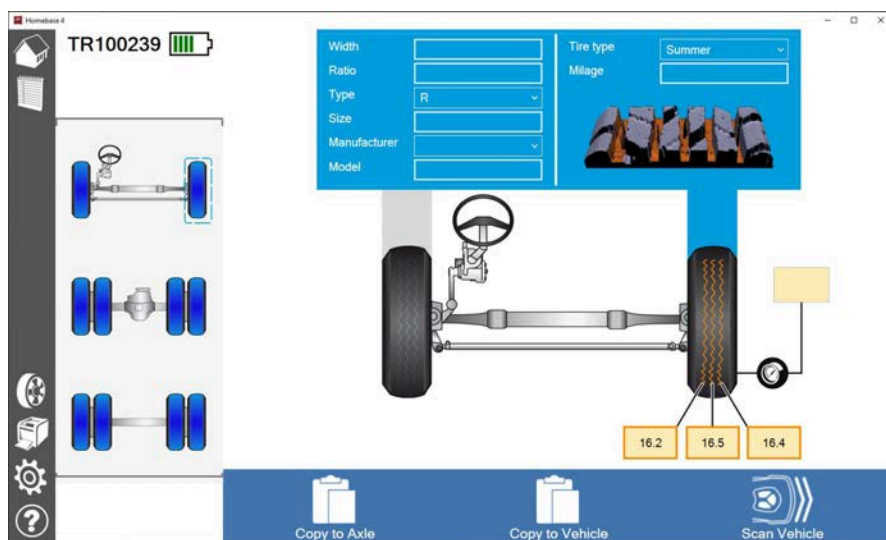
4.	 <p>When a correct scan has been performed, a result screen is shown.</p>	
5.	<p>Now the following options are visible:</p> <p>[Abort] will cancel the scanning and the start of the measurement will be visible.</p>	
	<p>[Rescan wheel] will open the scanning window again where you can re-do the scan. Clicking the power button on the connected TreadReader™ will do the same thing.</p>	
	<p>[Next wheel] will save the measurement for the current wheel and continue to the scanning window for the next wheel. Clicking the battery button on the connected TreadReader™ will do the same thing.</p>	
6.	 <p>If a wheel is blue, it indicates that the values of the wheel has been saved.</p>	
7.	<p>When all wheels have been measured the option [Complete Vehicle] will be visible instead of [Next wheel]</p>	

8.



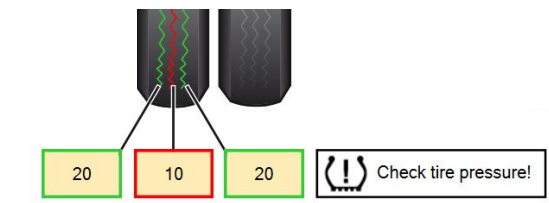
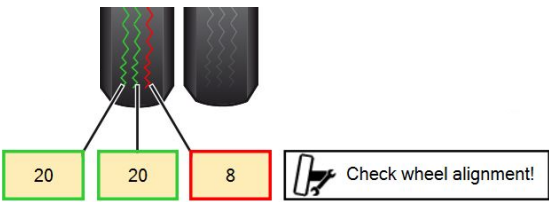

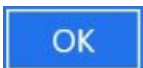

If **[Complete Vehicle]** is selected the result screen is visible. Now you can see all the measured wheels.

9.



The unit will buzz three times to confirm that the vehicle is completed.

5 Error messages and indicators

<p>If the centre value differs too much from the left and right values after measuring a tire it will indicate that the tire pressure needs to be checked with the message "Check tire pressure!" appears.</p>	
<p>If the right or left values differs too much from the other values after measuring a tire it will indicate that the wheel alignment needs to be checked with the message "Check wheel alignment!" appears.</p>	
<p>If the connected TreadReader™ has an old firmware version, this alert window will be shown. It is highly recommended to update the TreadReader™ with the latest version.</p>	
<p>Click [OK] to update.</p>	
<p>If clicking [OK] a new window will appear. The update can take several minutes.</p>	

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