

ATEQ VT31



www.ateq-tpms.com

**AVAILABLE IN
NORTH AMERICA ONLY**

REVISION OF THE ATEQ VT31 MANUAL

Due to continuing improvements, the information contained in this user manual, the features and design of this device are subject to be changed without prior notice.

| <u>Edition/Revision</u> | <u>Reference</u> | <u>Date</u> (week/year) | <u>Chapters updated</u> |
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User guide

VT31 TPMS TOOL

1. SPECIFICATIONS

| | |
|---------------------------------|--|
| Battery Type: | Battery 9V PP3 type 6LR61 (not included) |
| Battery Life: | Approximately 150 activations per battery. |
| Dimensions (Max. L,W,D): | 6" x 3.4" x 1.3" (15.3 cm x 8.6 cm x 3.3 cm). |
| Case Material: | High Impact ABS. |
| Response Frequency: | Main frequencies: 315 MHz and 433.92 MHz (supporting most specific frequencies). |
| Low Battery Indication: | LCD bar graph display. |
| Weight: | Approx. 0.5 lbs. |
| Temperature: | Operating: 14° F to 122° F (-10° C to +50° C). Storage: -40°F to 140° F (-40° C to +60° C). |
| Operating Altitude: | Up to 6560 ft (2000 m). |

2. IMPORTANT SAFETY INSTRUCTIONS

Do not discard. Retain for future reference.

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

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

WARNING: This product emits electromagnetic and electronically generated waves that may interfere with the safe operation of **pacemakers**.

Individuals that have pacemakers should never use this product.



WARNING:



Do not use on live electrical circuits.

Must read instructions before use.

Wear safety goggles. (User and bystanders).

Risk of entanglement.

Read the Warranty, Safety and Recycling information at the end of this user guide.

3. CAUTION

READ THESE INSTRUCTIONS BEFORE USING

Your Tire Pressure Monitoring (TPM) tool has been designed to be durable, safe, and reliable when properly used.

All **TPMS TOOLS** are intended to be used only by qualified and trained automotive technicians or in a light industrial repair shop environment. Please read all instructions below before using. Always follow these safety instructions. If you have any questions pertaining to the safe or reliability use of this tool, please call your local dealer.

1. Read All Instructions

All warnings on the tool and in this manual should be adhered to. All operating instructions should be followed.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warnings

User and bystanders must wear safety goggles and must read instructions before use. Do not use on live electrical circuits, risk of entanglement.

4. Cleaning

Clean with a soft dry cloth, or if necessary, a soft damp cloth. Do not use any harsh chemical solvents such as acetone, thinner, brake cleaner, alcohol, etc as this may damage the plastic surface.

5. Water & Moisture

Do not use this tool where contact or immersion in water is a possibility. Never spill liquid of any kind onto the tool.









6. Storage

Do not use or store the tool in an area where it is exposed to direct sunlight or excessive moisture.

7. Use


To reduce the risk of fire, do not operate the tool in the vicinity of open containers or flammable liquids. Do not use if the potential for explosive gas or vapors exists. Keep the tool away from heat generating sources. Do not operate the tool with the battery cover removed.

4. FUNCTION KEYS

| | |
|---|--|
|  <p>Power ON /OFF switch</p> |  <p>Test or trigger sensor.</p> |
|  <p>Next, continue or confirm.</p> |  <p>Cancel, previous step.</p> |
|  <p>Navigate to select "up".</p> |  <p>Navigate to select "down".</p> |
|  <p>Navigate to select "left".</p> |  <p>Navigate to select "right".</p> |



5. POWER ON

Press  key to turn on device, the **TPMS TOOL**

➤ Displays first the VT logo as Fig. 1.



Fig. 1

➤ The software version and work zone as Fig. 2.

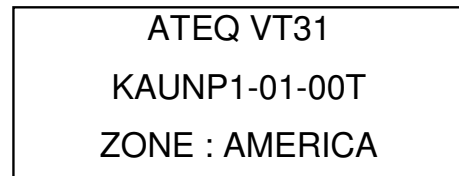


Fig. 2

➤ Then reverts to the **MAIN MENU** as Fig. 3.

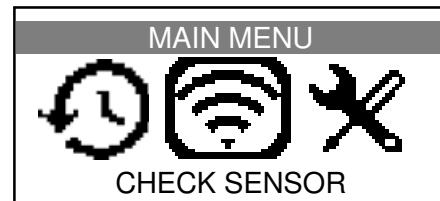


Fig. 3

5. OPERATING INSTRUCTIONS

5.1. TPMS TOOL OVERVIEW

Read and diagnose sensors.

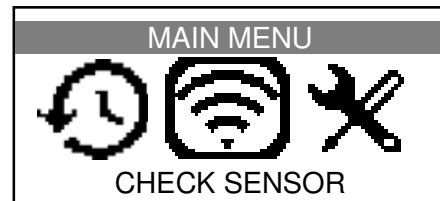


Service Procedure

Read Sensor Test

Before servicing the tires/wheels, using your **TPMS TOOL**, trigger each of the vehicle's sensors to make sure they are working properly.

This will eliminate the liability associated with replacing previously damaged or defective sensors.



This procedure will not change the vehicle settings because the vehicle has yet to be put into learn/retraining mode. This procedure allows you to quickly identify damaged or defective sensors, because some vehicles do not report a damaged or defective sensor condition on the instrument cluster for up to 20 minutes.

Note: *If the sensors do not trigger, please refer to the Troubleshooting section of this Guide.*

Perform tire/wheel service.

Begin by triggering the driver's front left (LF) wheel sensor.

The same procedure should be followed on all wheel sensors, in a clockwise rotation.

We recommend you trigger each wheel sensor, one final time, to make sure they are working correctly prior to releasing the vehicle to the customer.

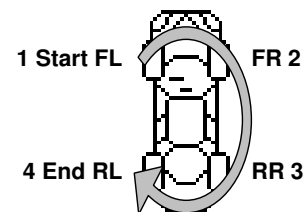


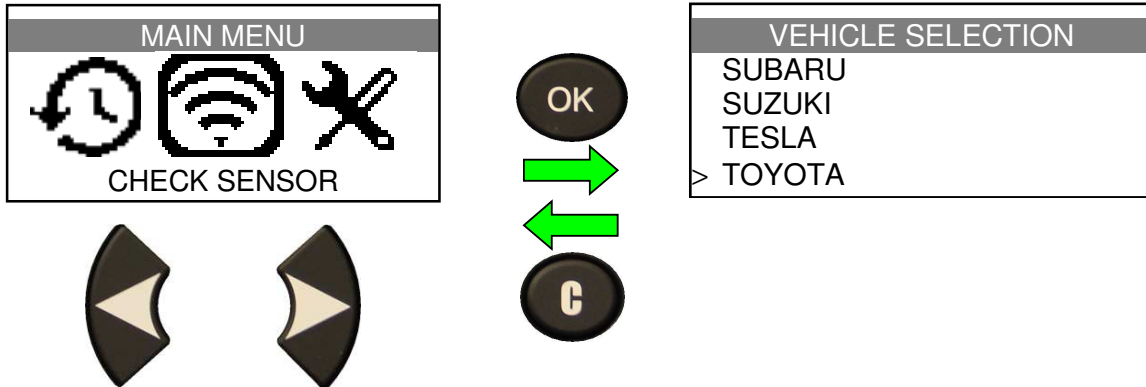
Fig. 4

VT31 USE

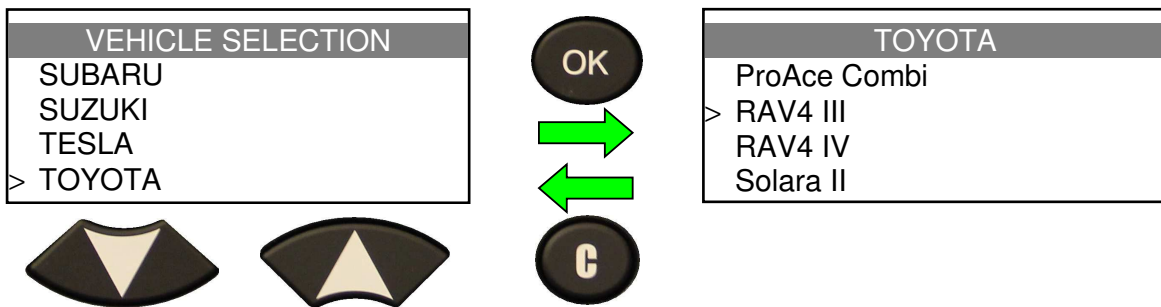
IMPORTANT:

Vehicle specific information in this manual is used as an example and may not represent specific instructions each make and model may require. When performing various functions with the tool, it is important to refer to the on-screen prompts and/or repair manual information.

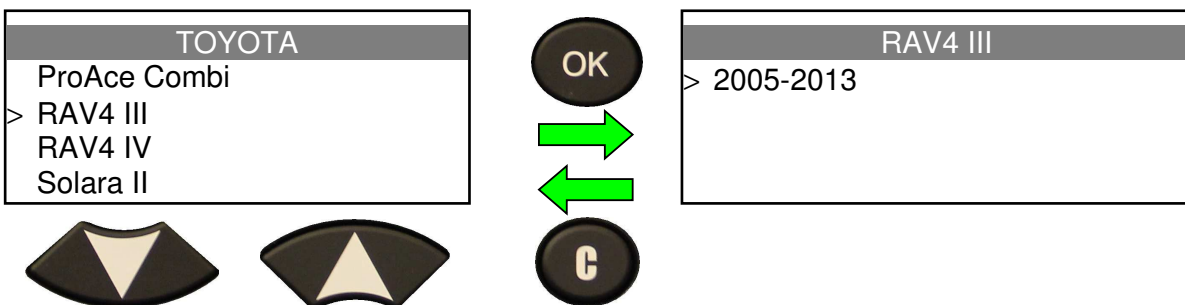
1. CHECK SENSOR



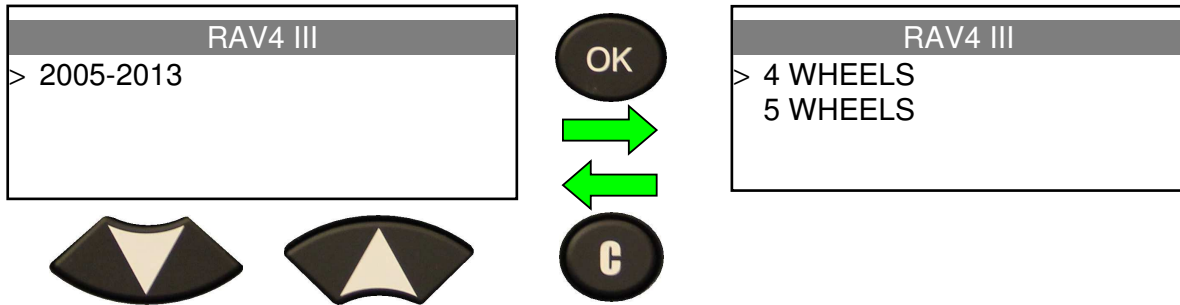
1.1. SELECT CAR MANUFACTURER



1.2. SELECT CAR MODEL

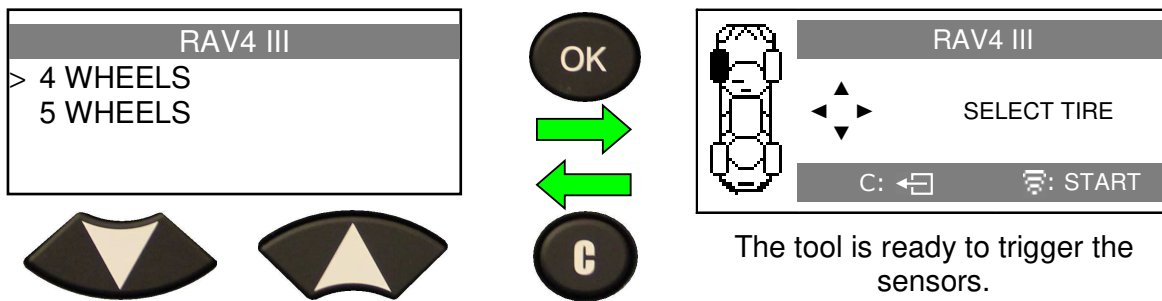


1.3. SELECT YEAR



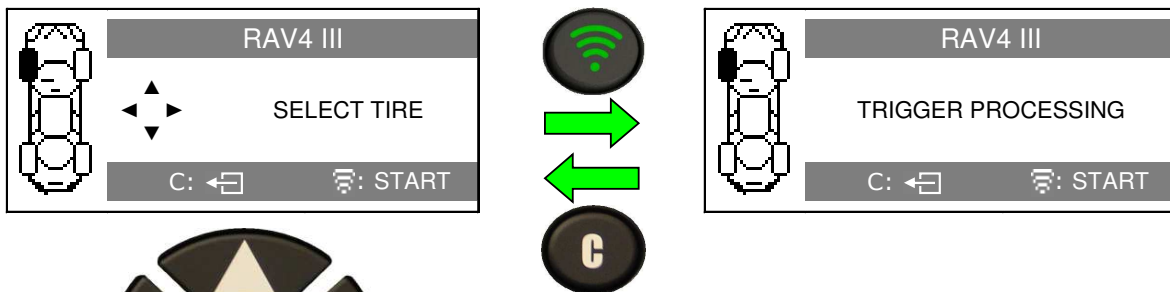
1.4. SELECT WHEEL NUMBER

This option does not appear for all vehicles.



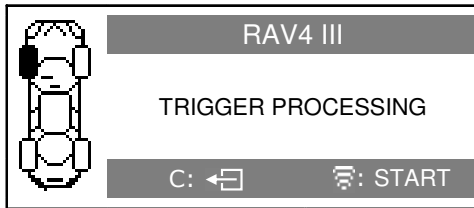
The tool is ready to trigger the sensors.

1.5. TEST SENSOR




For tire selection.

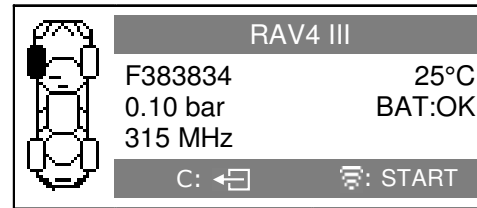
1.6. TEST RESULTS



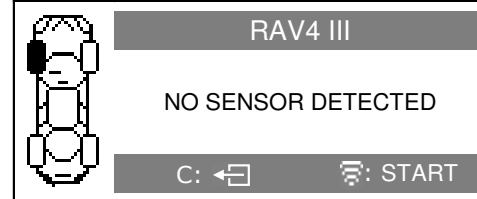
1: PASS

1: PASS: press  to go to next tire.

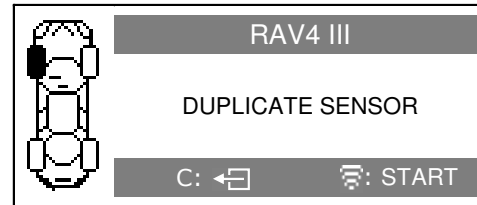
2/3: FAIL.



2: FAIL

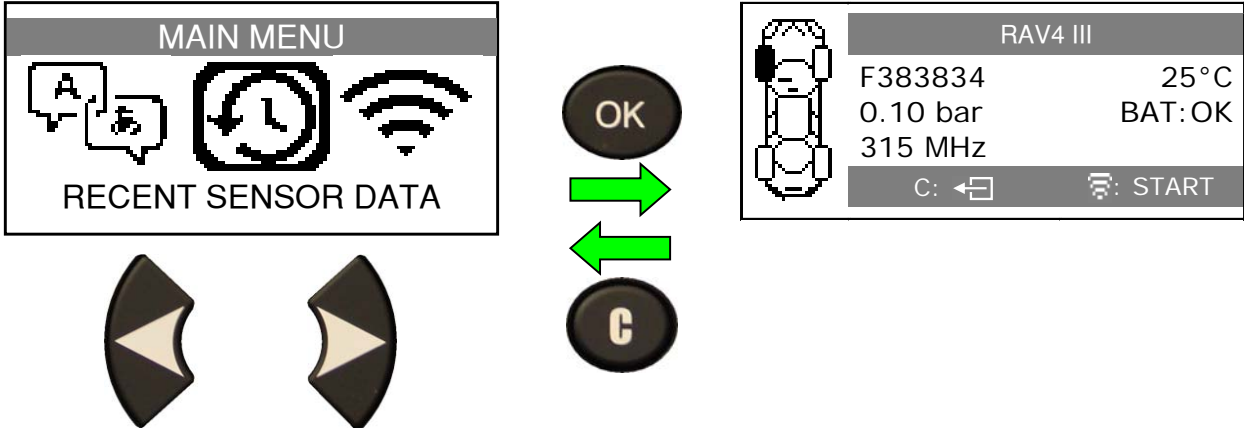


3: FAIL



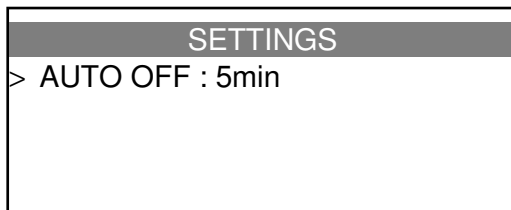
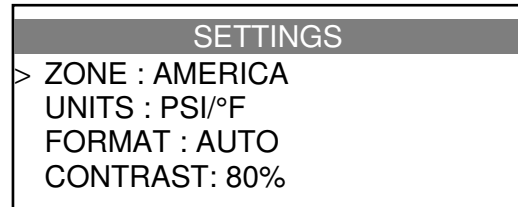
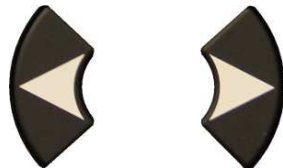
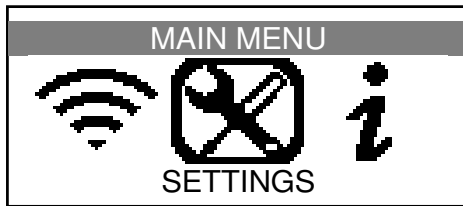
2. RECENT SENSOR DATA

When a new vehicle is triggered the result is automatically stored in the **RECENT SENSOR DATA** menu. You may recall the result and continue to trigger the entire vehicle. The data is automatically replaced if a new vehicle is triggered. The data remains in the memory even after the device has been turned off.



SETTINGS

1. ENTER SETTINGS MENU



Complete listing.



Scroll up and down to select function or settings.



Enter menu or validate settings by enter key.

Key functional descriptions:

ZONE: to select the area of work, **AMERICA**.

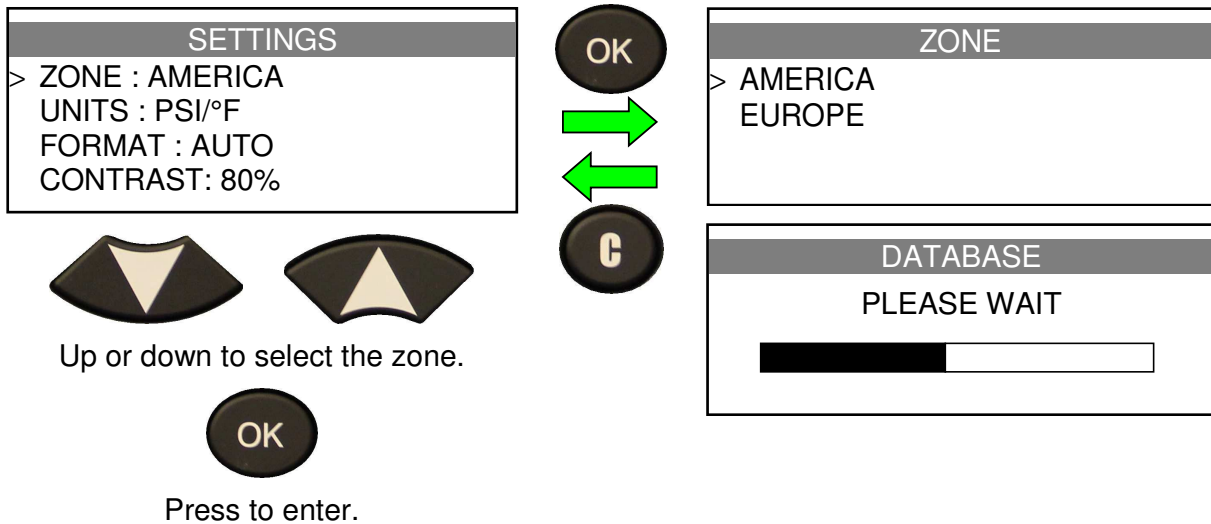
UNITS: change the air pressure and temperature display (kPa, Bar or PSI with F° or C°).

FORMAT: change the format of sensor ID display.

CONTRAST: adjust LCD contrast level (0% to 100%).

AUTO OFF: time to turn off the device automatically after not being operated.

1.1. CHANGE ZONE SETTINGS



Up or down to select the zone.



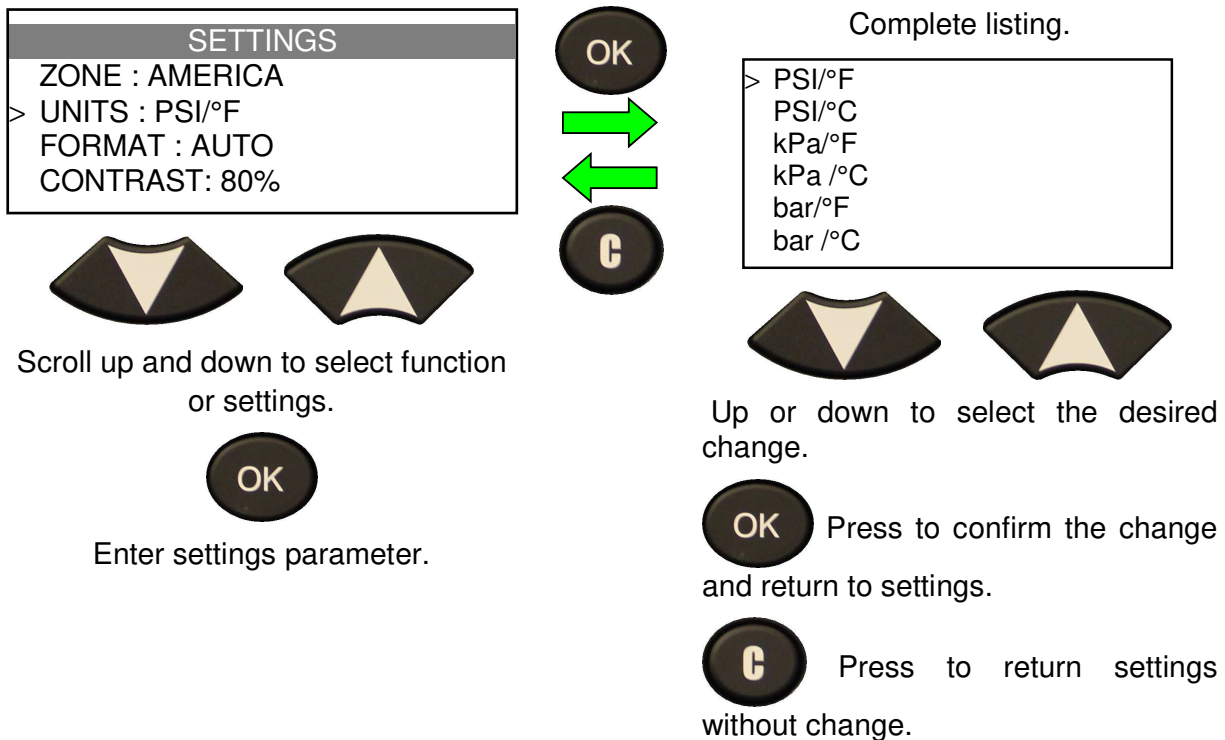
Press to enter.

A first starting or after a factory reset, the zone option appears on the screen.

For apply a factory reset to the device, please use the WebVT software.

Connect the **VT31** device to the PC, when recognized, enter into the "**Settings**" menu and then click on the "**Factory reset**" button.

1.2. CHANGE UNITS SETTINGS



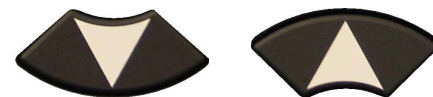
Scroll up and down to select function or settings.



Enter settings parameter.

Complete listing.

- > PSI/°F
- PSI/°C
- kPa/°F
- kPa /°C
- bar/°F
- bar /°C

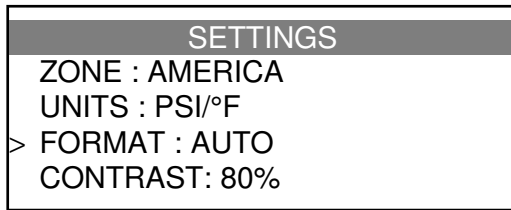


Up or down to select the desired change.

OK Press to confirm the change and return to settings.

C Press to return settings without change.

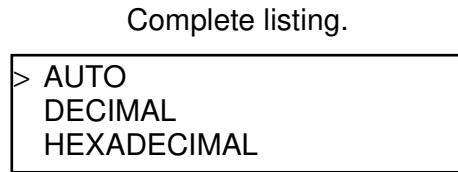
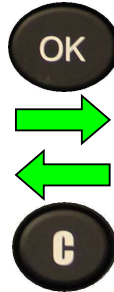
1.3. CHANGE FORMAT SETTINGS



Scroll up and down to select function or settings.



Enter settings parameter.



Up or down to select the desired change.



Press to confirm the change and return to settings.



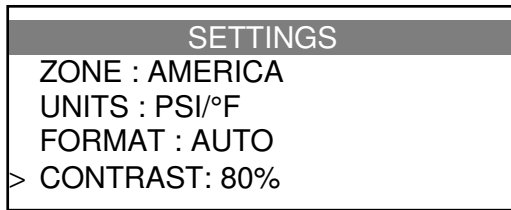
Press to return settings without change.

AUTO: display sensor ID format in the way sensor is transmitting.

DECIMAL: force to display sensor ID in decimal (0 to 9).

HEXADECIMAL: force to display sensor ID in hexadecimal (0 to F).

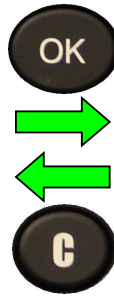
1.4. CHANGE CONTRAST SETTINGS



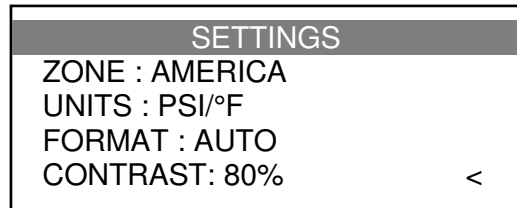
Scroll up and down to select function or settings.



Enter settings parameter.



Change by **0%** (clear) to **100%** (dark).



Up or down to select the desired change.

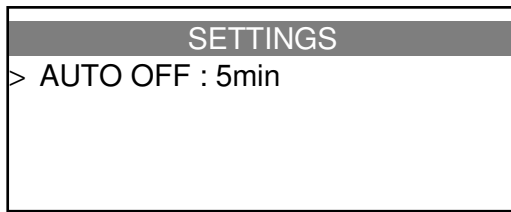


Press to confirm the change and return to settings.



Press to return settings without change.

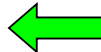
1.5. CHANGE AUTO OFF SETTINGS



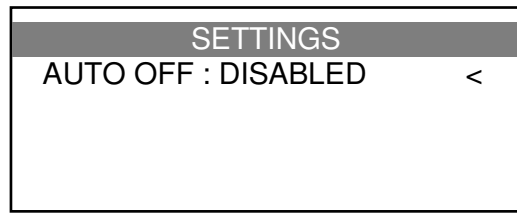
Scroll up and down to select function or settings.



Enter settings parameter.



Change by **60 min** (maximum) to **DISABLED** (never).



Up or down to select the desired change.



Press to confirm the change and return to settings.

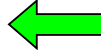
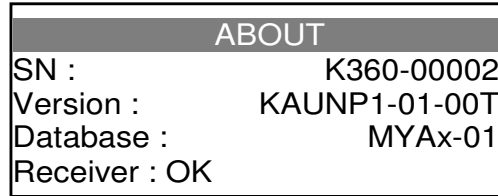
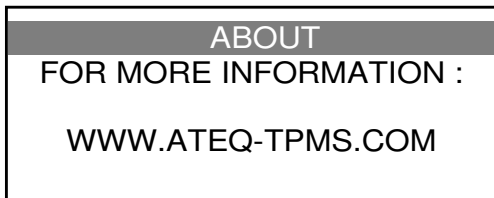
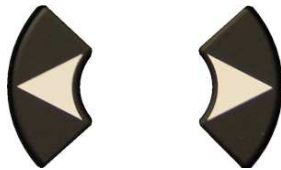
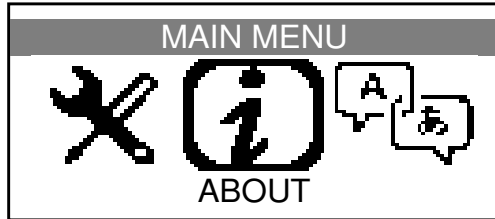


Press to return settings without change.

ABOUT

1. ENTER IN THE ABOUT MENU

This is to display the current version and information about the device.



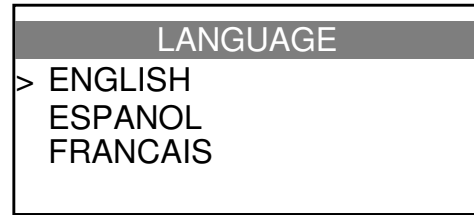
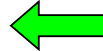
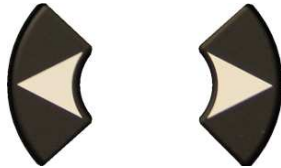
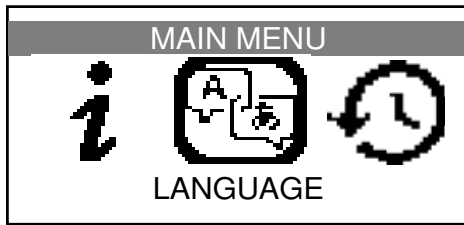
Scroll up and down to see different information



Press to return main menu.

LANGUAGE

1. ENTER LANGUAGES MENU



Scroll up and down to select language.



Validate by enter key.

MISCELLANEOUS

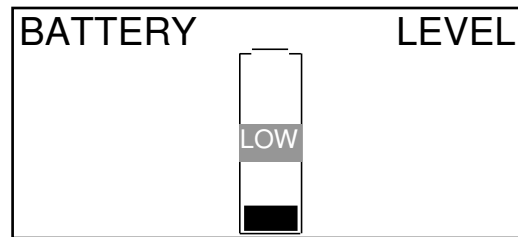
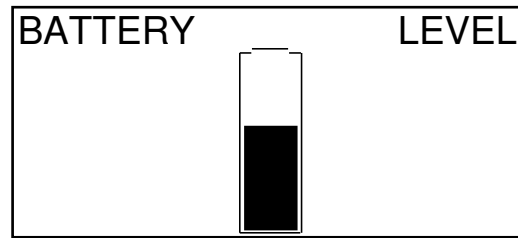
1. CHARGE

Low Battery Indication

Your **TPMS TOOL** incorporates a low battery detection circuit. Battery life is an average of 150 sensor tests per battery full charge (approximately 30~40 cars).

A full charge is about 3 hours.

The power button can be pressed and held for a second to display battery status.



Battery replacement

When battery is low or your device doesn't charge, change 9V PP3 battery on the back of your **TPMS TOOL**.

Please note: the tool does not come with a battery.



2. TROUBLESHOOTING

If the **TPMS TOOL** is unable to trigger one or more of the sensors, using either electronic or magnetic activation, please use the following troubleshooting guide:

- 1)** The vehicle does not have a sensor even though a metal valve stem is present. Be aware of Schrader rubber style snap-in stems used on TPMS systems.
- 2)** The sensor, module or ECU itself may be damaged or defective.
- 3)** The sensor may be the type that periodically triggers on its own and is not designed to respond to a triggering frequency.
- 4)** Check "**Auto Off**" time settings for screen display.
- 5)** Your **TPMS TOOL** is damaged or defective.

3. LIMITED HARDWARE WARRANTY

ATEQ Limited Hardware Warranty

ATEQ warrants to the original purchaser that your ATEQ hardware product shall be free from defects in material and workmanship for the length of time, identified on your product package and/or contained in your user documentation, from the date of purchase. Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser. This warranty gives you specific legal rights, and you may also have other rights that vary under local laws.

Remedies

ATEQ's entire liability and your exclusive remedy for any breach of warranty shall be, at ATEQ's option, (1) to repair or replace the hardware, or (2) to refund the price paid, provided that the hardware is returned to the point of purchase or such other place as ATEQ may direct with a copy of the sales receipt or dated itemized receipt. Shipping and handling charges may apply except where prohibited by applicable law. ATEQ may, at its option, use new or refurbished or used parts in good working condition to repair or replace any hardware product. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer or for any additional period of time that may be applicable in your jurisdiction.

This warranty does not cover problems or damage resulting from (1) accident, abuse, misapplication, or any unauthorized repair, modification or disassembly; (2) improper operation or maintenance, usage not in accordance with product instructions or connection to improper voltage supply; or (3) use of consumables, such as replacement batteries, not supplied by ATEQ except where such restriction is prohibited by applicable law.

How to Obtain Warranty Support

Before submitting a warranty claim, we recommend you visit the support section at ateq-tpms.com for technical assistance. Valid warranty claims are generally processed through the point of purchase during the first thirty (30) days after purchase; however, this period of time may vary depending on where you purchased your product – please check with ATEQ or the retailer where you purchased your product for details. Warranty claims that cannot be processed through the point of purchase and any other product related questions should be addressed directly to ATEQ. The addresses and customer service contact information for ATEQ can be found in the documentation accompanying your product and on the web at www.ateq-tpms.com.

Limitation of Liability

ATEQ SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, REVENUE OR DATA (WHETHER DIRECT OR INDIRECT) OR COMMERCIAL LOSS FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON YOUR PRODUCT EVEN IF ATEQ HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Some jurisdictions do not allow the exclusion or limitation of special, indirect, incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Duration of Implied Warranties

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS ON THIS HARDWARE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE APPLICABLE LIMITED WARRANTY PERIOD FOR YOUR PRODUCT. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

National Statutory Rights

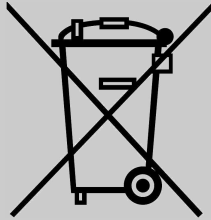
Consumers have legal rights under applicable national legislation governing the sale of consumer goods. Such rights are not affected by the warranties in this Limited Warranty.

No Other Warranties

No ATEQ dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

4. RECYCLING

**Do not dispose of the tool
and/or its accessories in the trash.**



These components must be collected and recycled.



The crossed-out wheeled dustbin means that the product must be taken to separate collection at the product end-of life. This applies to your tool but also to any enhancements marked with this symbol. Do not dispose of these products as unsorted municipal waste. For further information, please contact ATEQ.

