

Instruction Manual

TJR

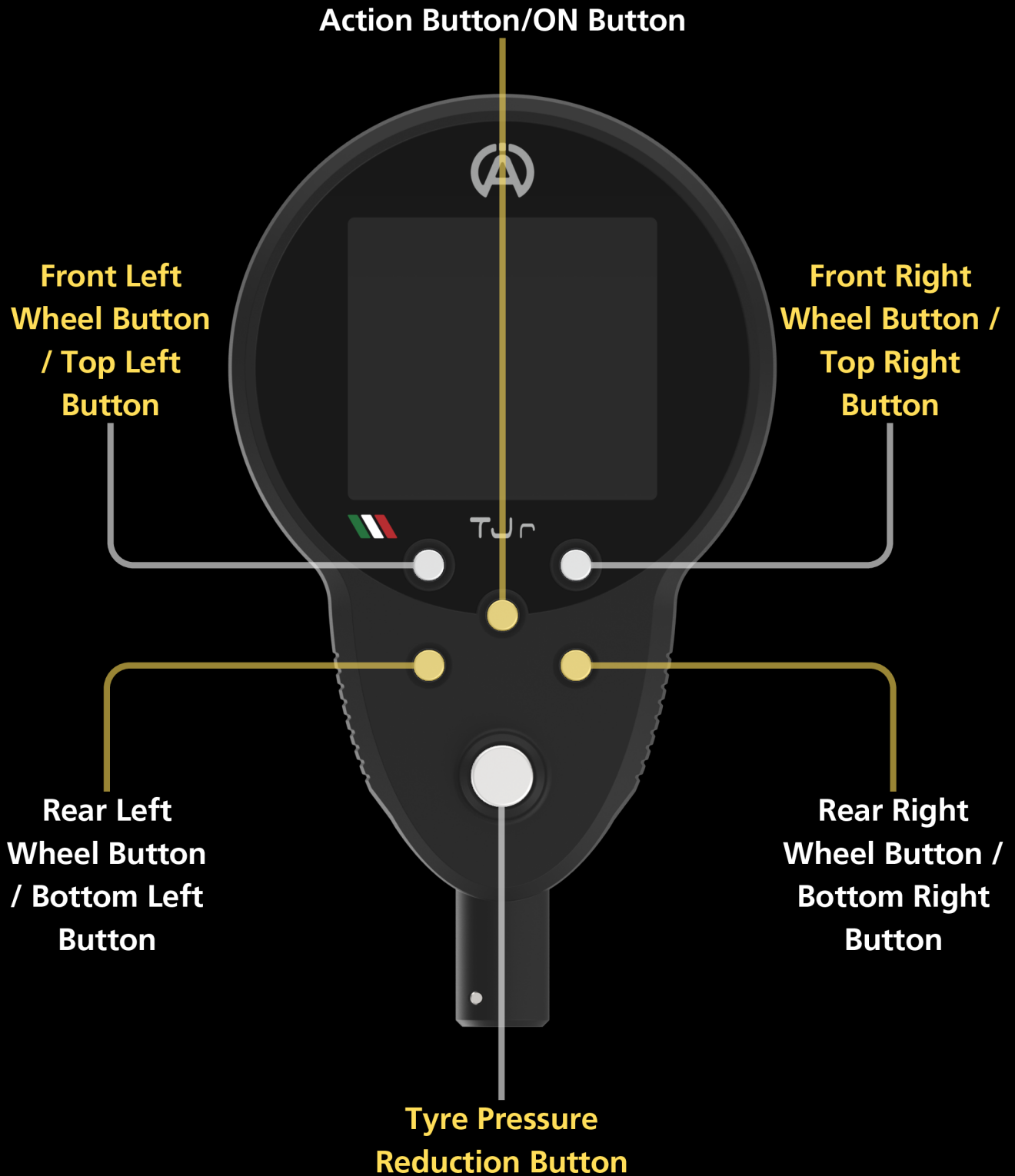


v: 1.0.5

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1. Device Overview



1. Device Overview



2. Switching On and Off

Turn the TJr **on** with a short press of the **action button** (middle button)

The **device** will **self-calibrate** each time it is **switched on**, see page 11 for more information



To turn off the TJr, briefly press the **two lower buttons simultaneously** on any page

Otherwise, the TJr will **automatically turn off** after **10 minutes** of inactivity

3. Settings

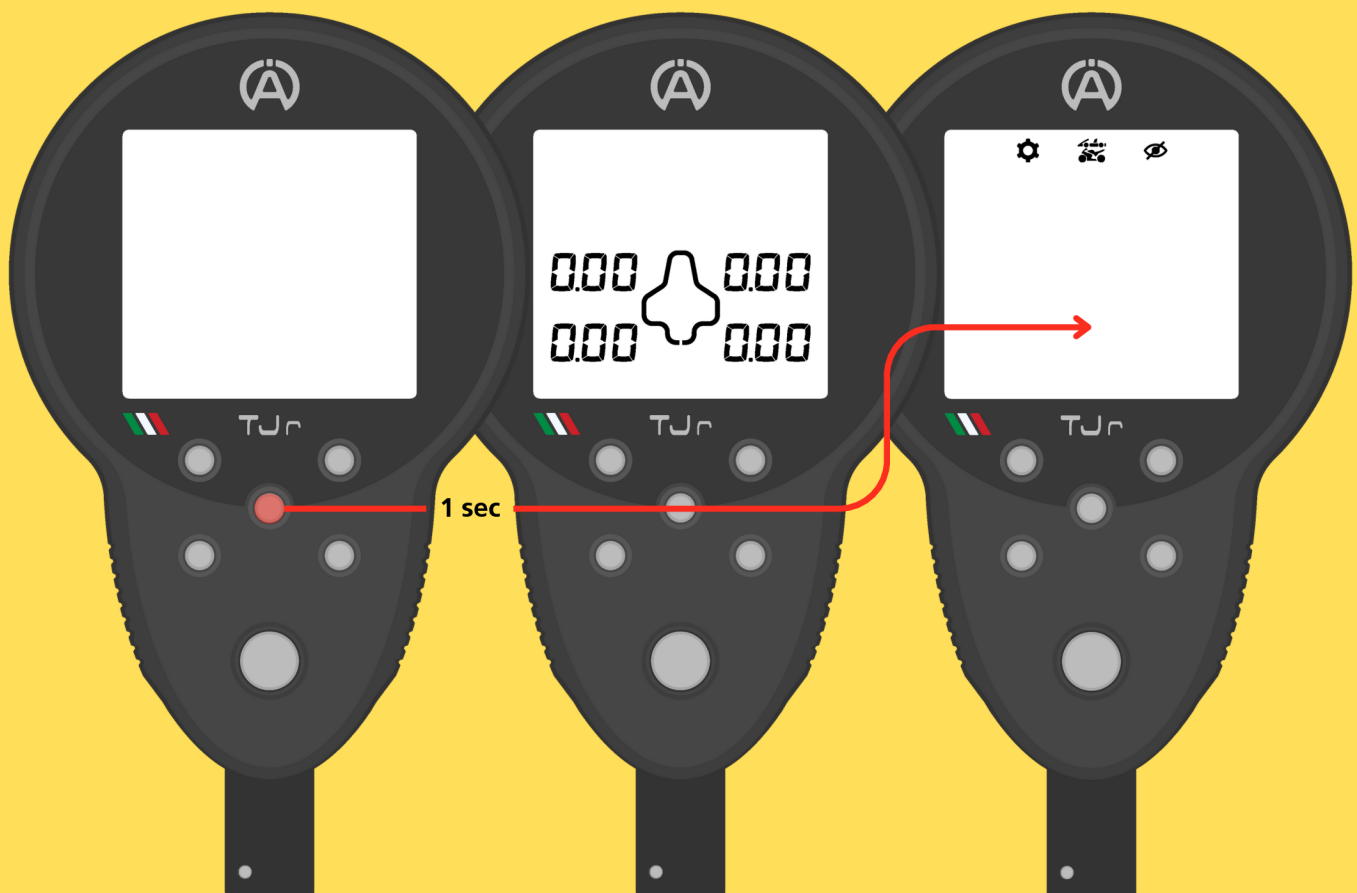
The **settings** menu allows you to set:

- The **unit** of **pressure measurement** (**bar** or **psi**)
- The **vehicle type** (**2** or **4 wheels**)
- The **offset value**, to hide the real tire pressures
- The **device operating program** (**Pr1** or **Pr2**)

In all screens the flashing setting is the one that can be changed

Accessing the Settings

To access the **settings** press the **action button** (middle button) when the **device** is **turned off**. The **TJr** will **turn on normally** and, if the **button** is **not released**, the **device** will enter the **settings modification menu**



3. Settings

Proceed to the Following Page

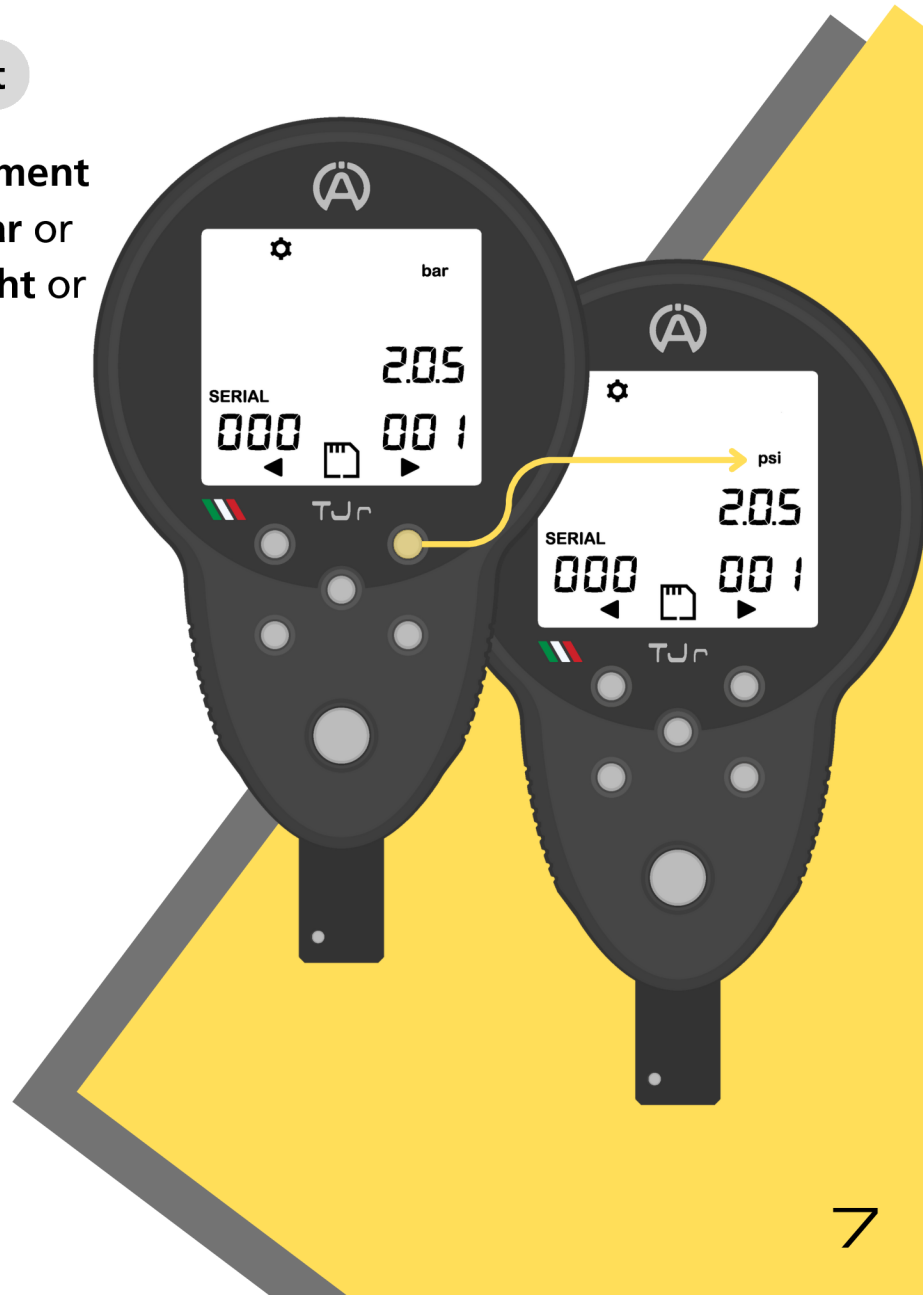
Confirm the **selected setting** and **access** the **next page** with a **short press** of the **action button**

Save and Exit

By **pressing** and **holding** the **action button**, the **TJr** will **save any changes** made and **exit the settings menu**, **turning on**

3.1 Units of Measurement

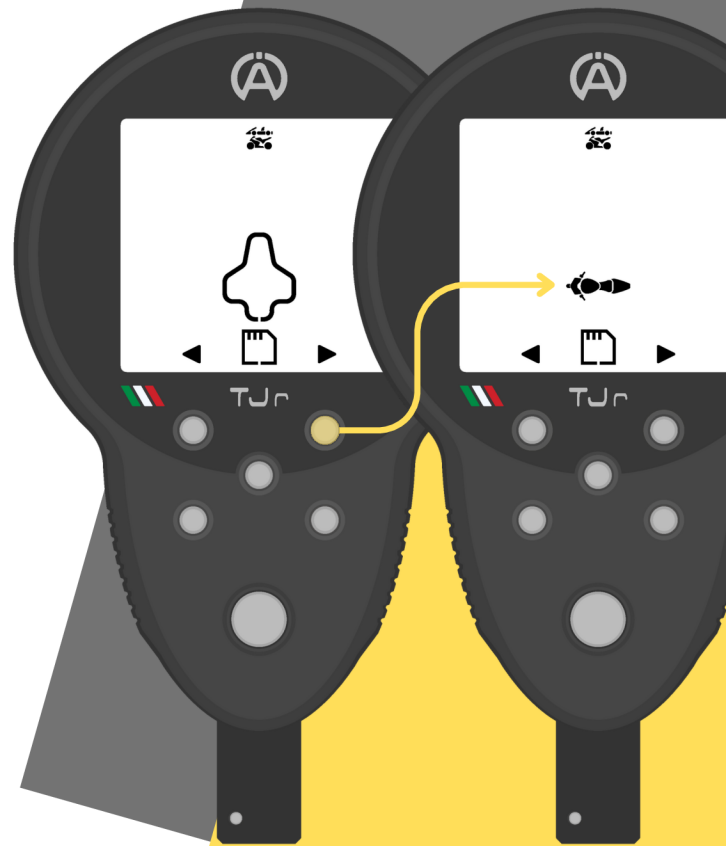
Set the **pressure measurement unit** choosing between **bar** or **psi** pressing the **upper right** or **upper left** button



3. Settings

3.2 Vehicle

Set the vehicle type choosing between 2 or 4 wheels pressing the upper right or upper left button



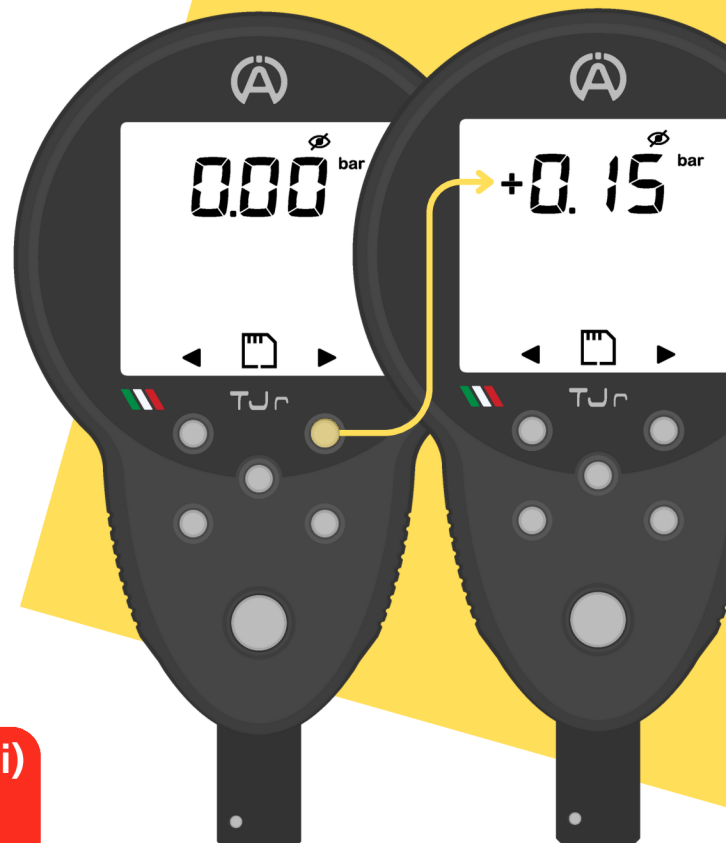
3.3 Offset

The **Offset** is a setting that modifies the displayed pressure readings by the unit, showing fake pressures on the screen to hide the real values from prying eyes

To activate the **Offset**, enter a value other than 0.00 bar/psi in the settings.

The set value will be applied to the true pressure read by the TJr

Use the upper side buttons to set the Offset value



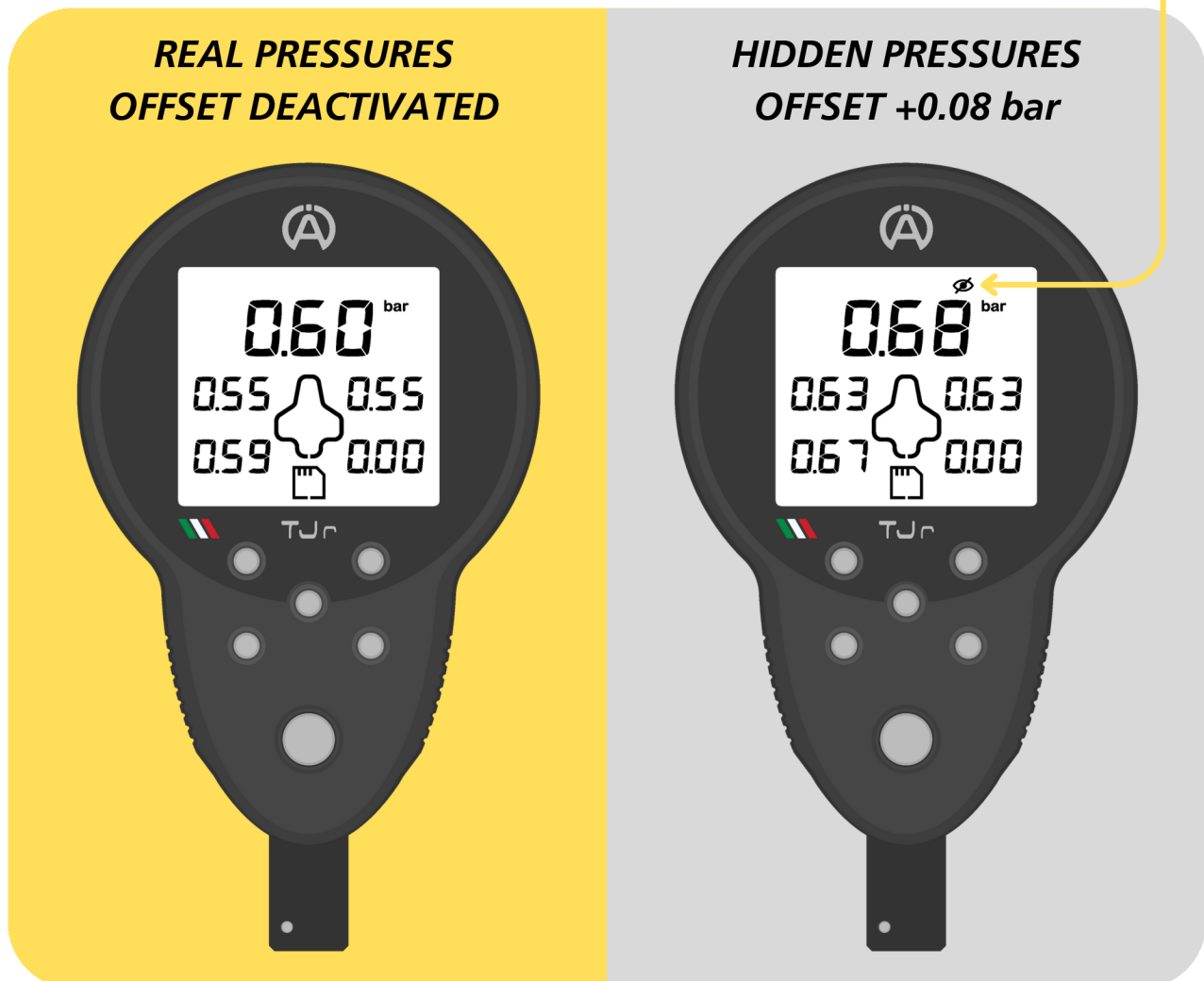
Offset Range: from -0.20 bar (-3.00 psi) to +0.20 bar (+3.00 psi) Sensitivity Offset: 0.01 bar (0.10 psi)

3. Settings

3.3 Offset

The pressures displayed during the detection and saving phase will be modified according to the value entered

The screens where the **Offset** is active have a crossed out eye icon in the top right corner of the screen



The only page where the pressures are not affected by the offset value is the screen for reading/deleting previously saved SETs

3. Settings

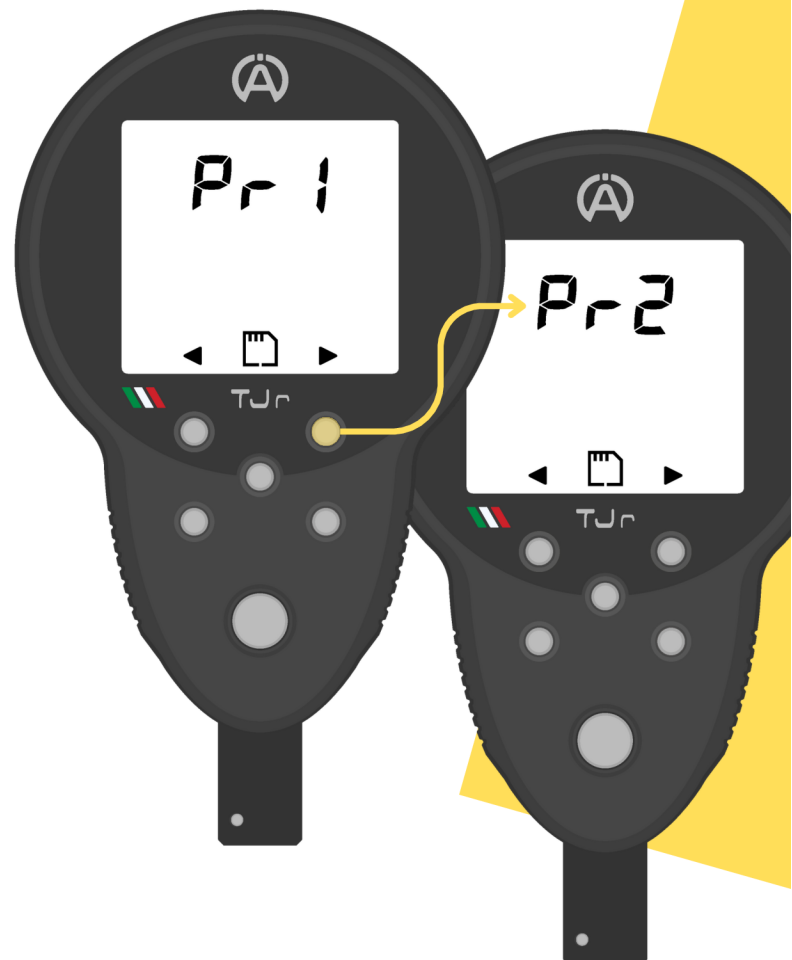
3.4 Program

The TJr has two operating programs:

- ▶ **Program 1:** the device has a memory of 200 SETs, each of which is independent
- ▶ **Program 2:** the device has a memory of 99 SETs. Each SET records the **cold pressures** (pressures before departure) and **hot pressures** (pressures after returning from the track).
The TJr can calculate the **pressure difference (delta)** for each wheel by comparing the hot and cold pressure values of the same set

Switching between programs will delete the memory

Set the program choosing between Pr1 or Pr2 pressing the upper right or upper left button



4. Pressure Reading

Range: 7 bar / 100 psi

Sensitivity: 0.01 bar / 0.01 psi

Accuracy: ± 0.002 bar / ± 0.029 psi

After turning on the TJr, connect it to the tire valve to display the real-time pressure at the top of the screen

Before connecting to the tyre valve, wait for the upper digits to appear after switching on the device



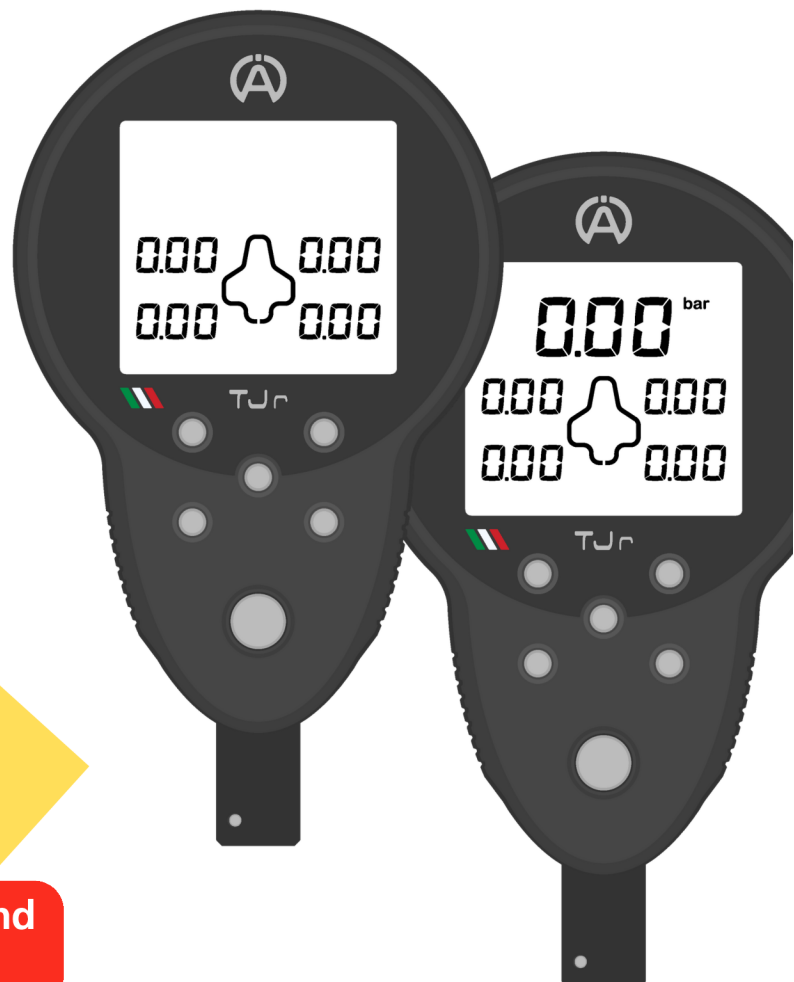
4.1 Self Calibration

The device automatically calibrates to the ambient pressure each time it is turned on to ensure maximum precision

Connect the TJr to the tire valve only after the upper digits appear on the screen

Connecting the TJr to the tire valve before it has been turned on or before the upper digits have appeared will cause incorrect calibration

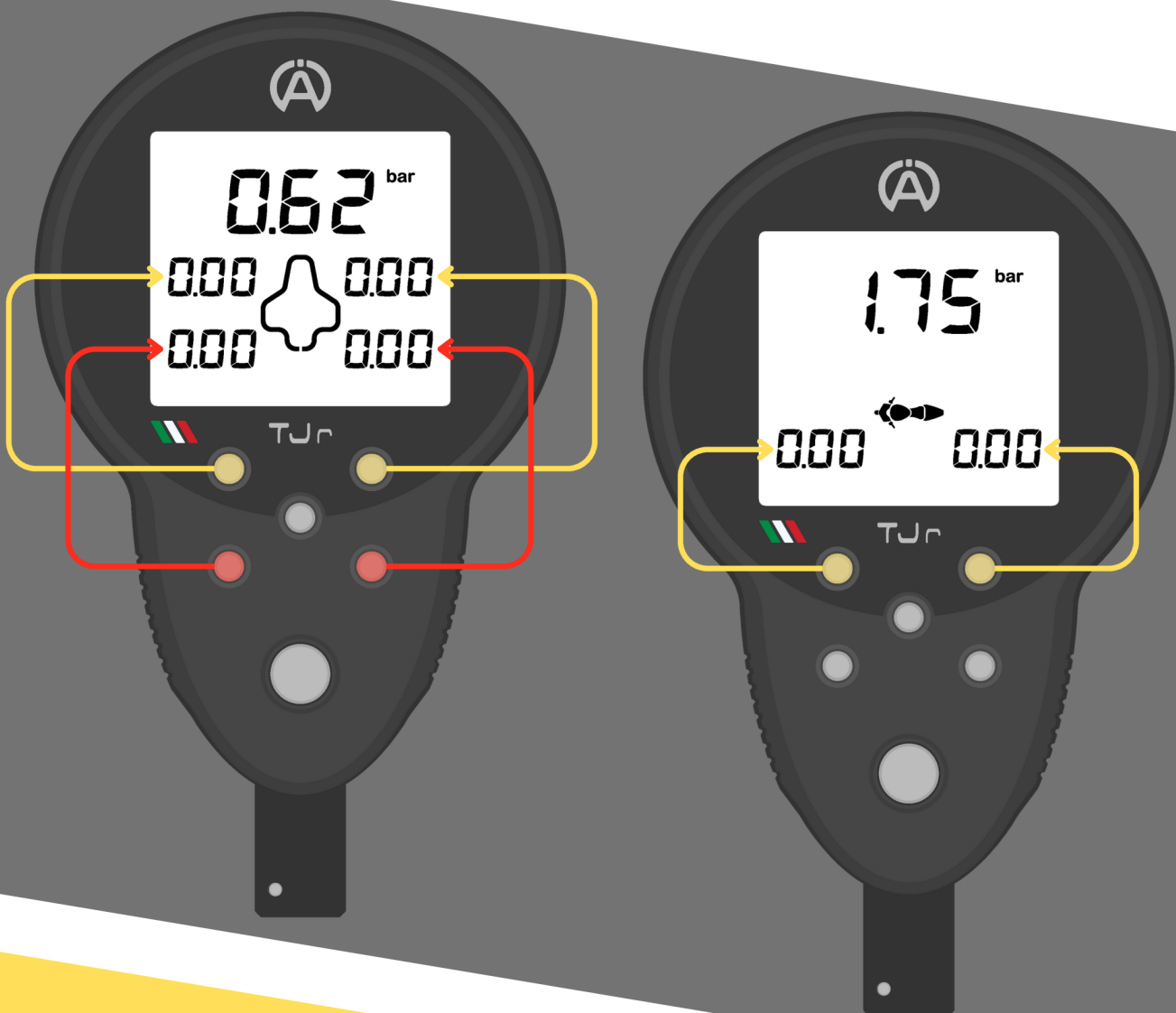
If this happens, turn the TJr off and on correctly as explained above



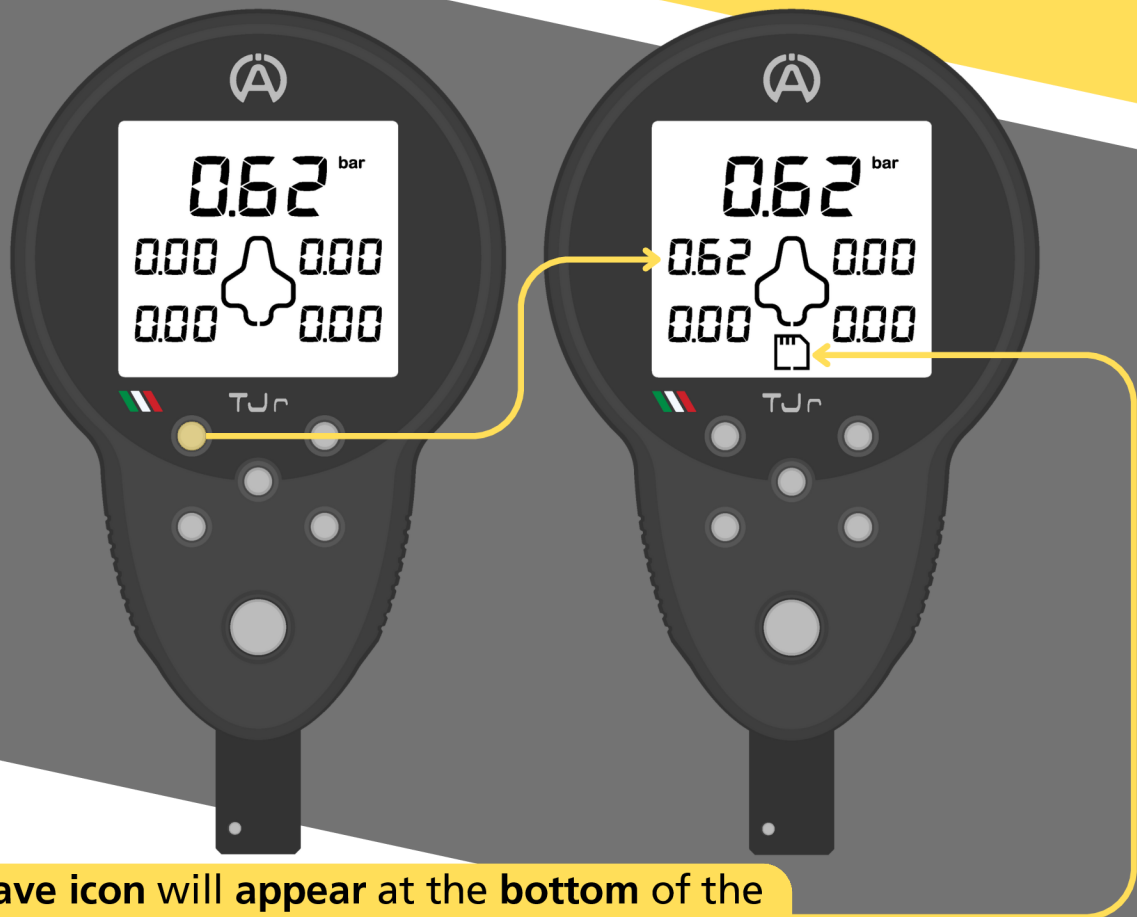
5. Saving SET of Pressures

To assign a pressure to a wheel, when the pressure is displayed in real time at the top of the screen, press the corresponding button on the TJr

5.1 4/2 Wheel Pressure Assignment Button Layout



5. Saving SET of Pressures



The save icon will appear at the bottom of the screen as soon as the first pressure is assigned

To overwrite an assigned pressure, press the corresponding button again

To save a SET, not all wheels require an assigned pressure

5. Saving SET of Pressures

5.2 Program 1

To save the **detected** and **assigned pressures**, access the **TJr saving menu** by pressing the **action button**.

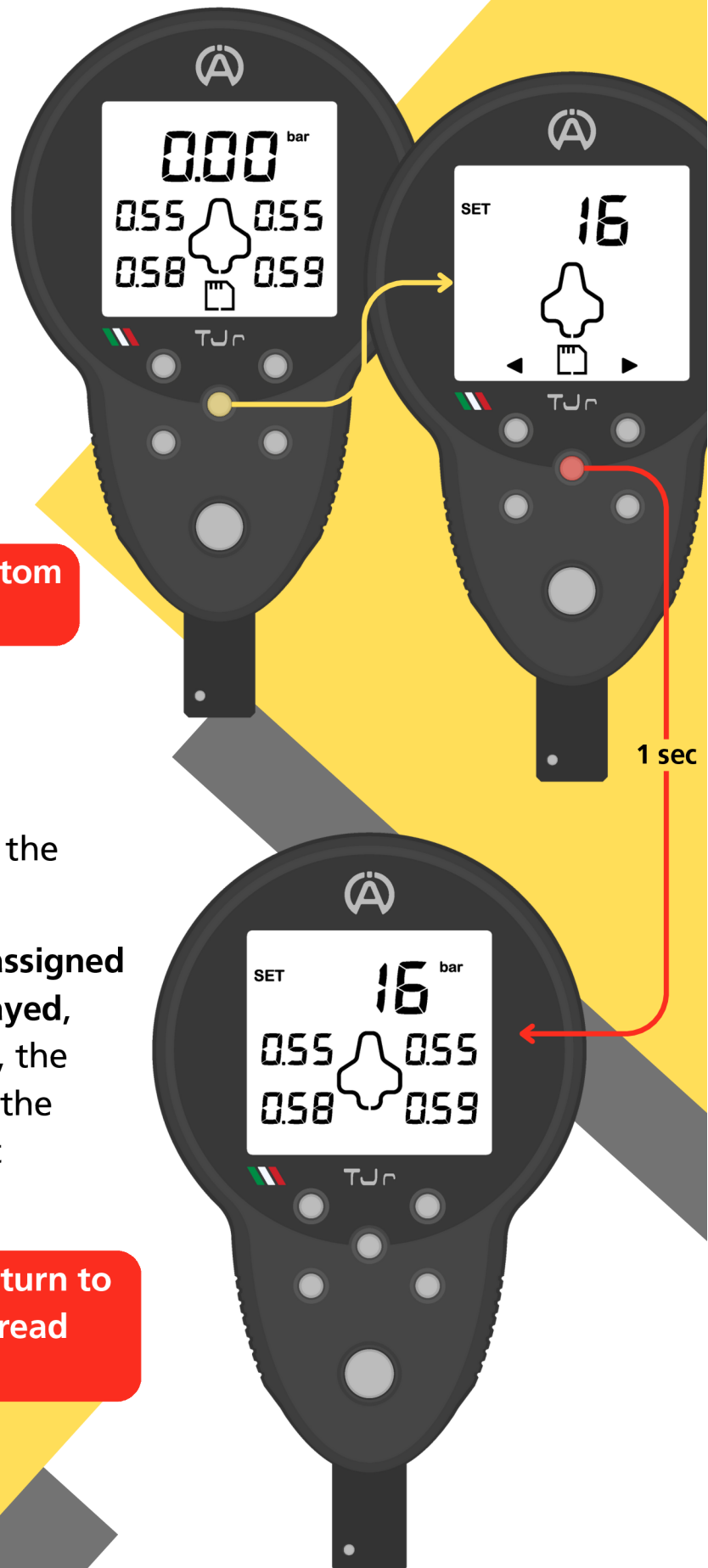
The **device** will **automatically position** on the **first free SET**

The **save icon** flashes at the **bottom** of the screen

To **save the SET**, **press and hold** the **action button**

Once the **device** has **saved the assigned pressures**, the **SET** will be **displayed**, showing the **recorded pressures**, the **position of the chosen SET**, and the **unit of measurement** for the set pressure

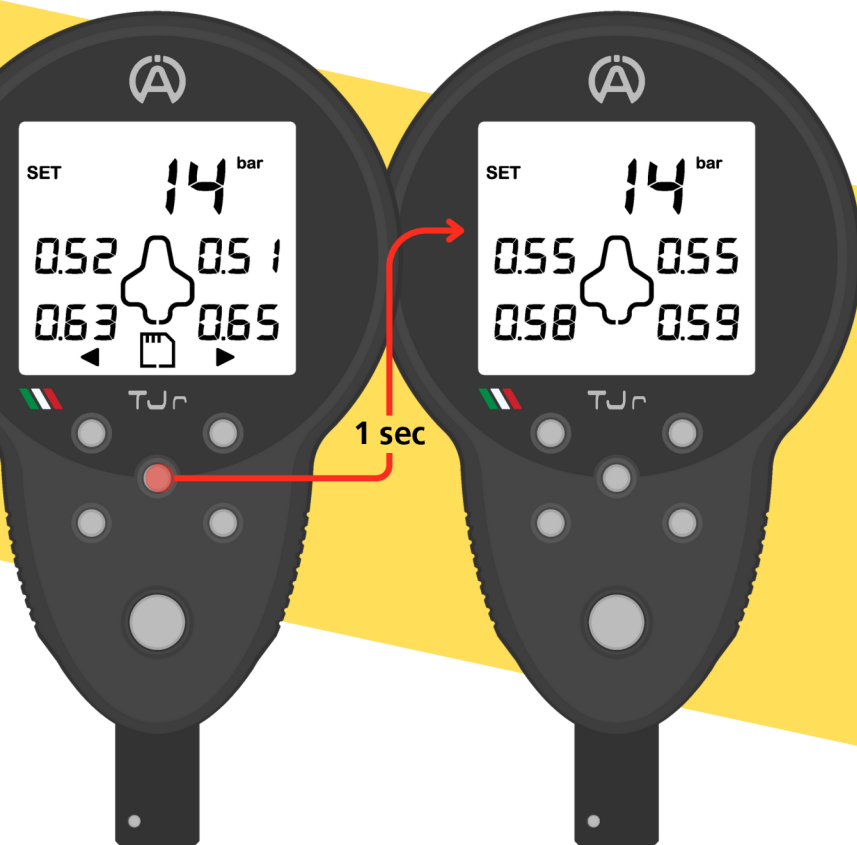
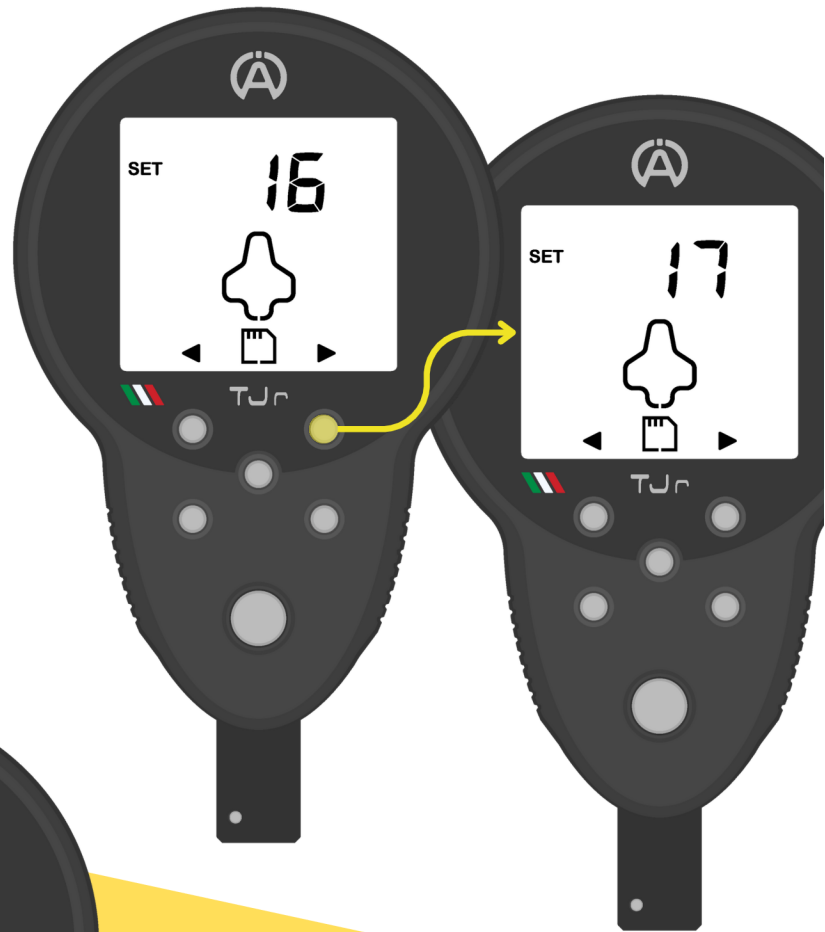
The **device** will **automatically return** to the **main page** and be **ready to read other pressures** if necessary



5. Saving SET of Pressures

5.2 Program 1

To save the pressures in a **specific SET** other than the first free SET, simply **scroll** through the **SETs** in the memory using the **upper side buttons** and **save the pressures** in the **desired SET**



The memory can also be scrolled until a full SET is reached

Press and hold the **action button** to **overwrite** it with the new assigned pressures

To scroll through the SETs quickly, hold down one of the side buttons

If you accidentally enter the save menu, simply press the action button briefly to return to the main page

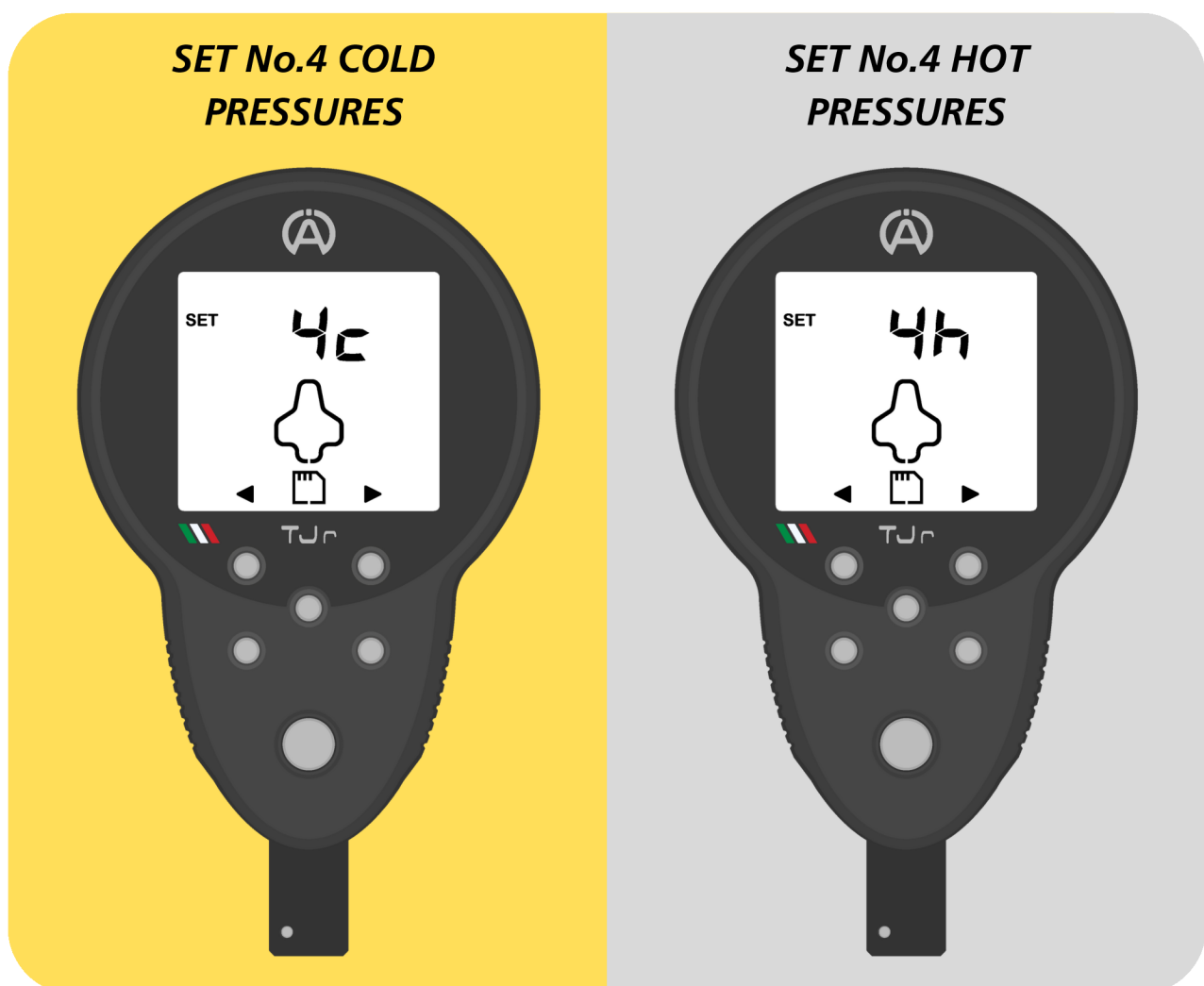
5. Saving SET of Pressures

5.3 Program 2

Program 2 allows for the management of SETs for cold pressures (pressures before departure) and hot pressures (pressures after returning from the track)

There are **99 SETs available**, divided into:

- **Cold SETs:** indicated by the SET number followed by the letter 'c'
- **Hot SETs:** indicated by the SET number followed by the letter 'h'



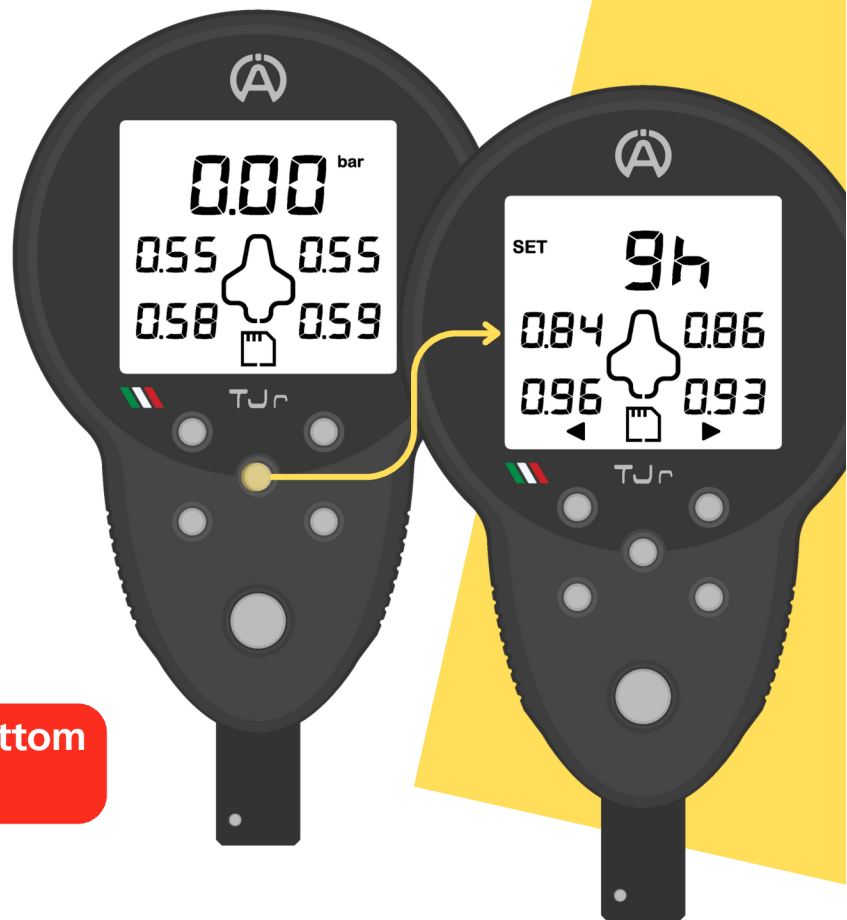
5. Saving SET of Pressures

5.3 Program 2

To save the **detected** and **assigned pressures**, access the TJr saving menu by **pressing the action button**

The device will automatically **position itself** in the last used SET

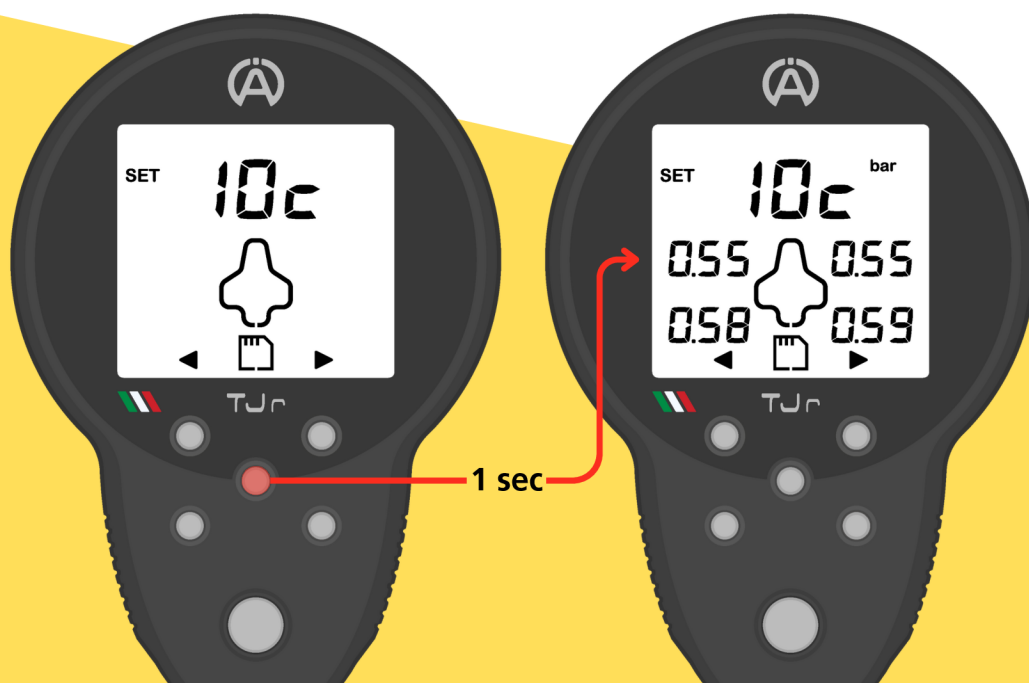
The save icon flashes at the bottom of the screen



To **select the desired SET**, use the **upper right and left buttons**. Once you have reached the **desired SET**, **press and hold the action button**

After saving, the TJr will display the SET with the recorded pressures, the chosen SET, and the unit of measurement for the set pressure

The device will then automatically return to the home screen



5. Saving SET of Pressures

5.3 Program 2

To overwrite a full SET, select it and **press and hold** the action button to save the newly assigned pressures



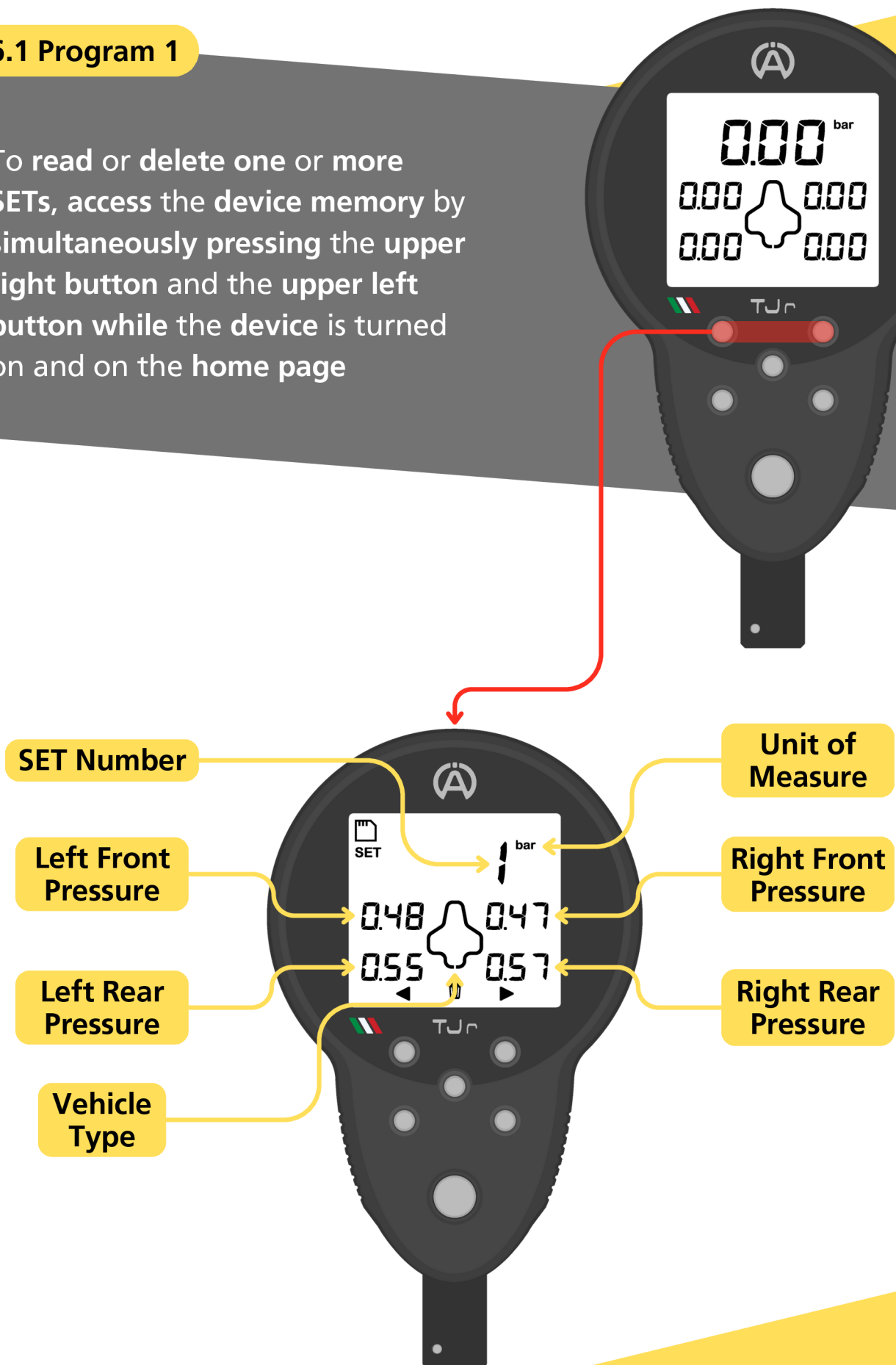
To scroll through the SETs quickly, hold down one of the side buttons

If you accidentally enter the save menu, simply press the action button briefly to return to the main page

6.1 Reading/Deleting Memory

6.1 Program 1

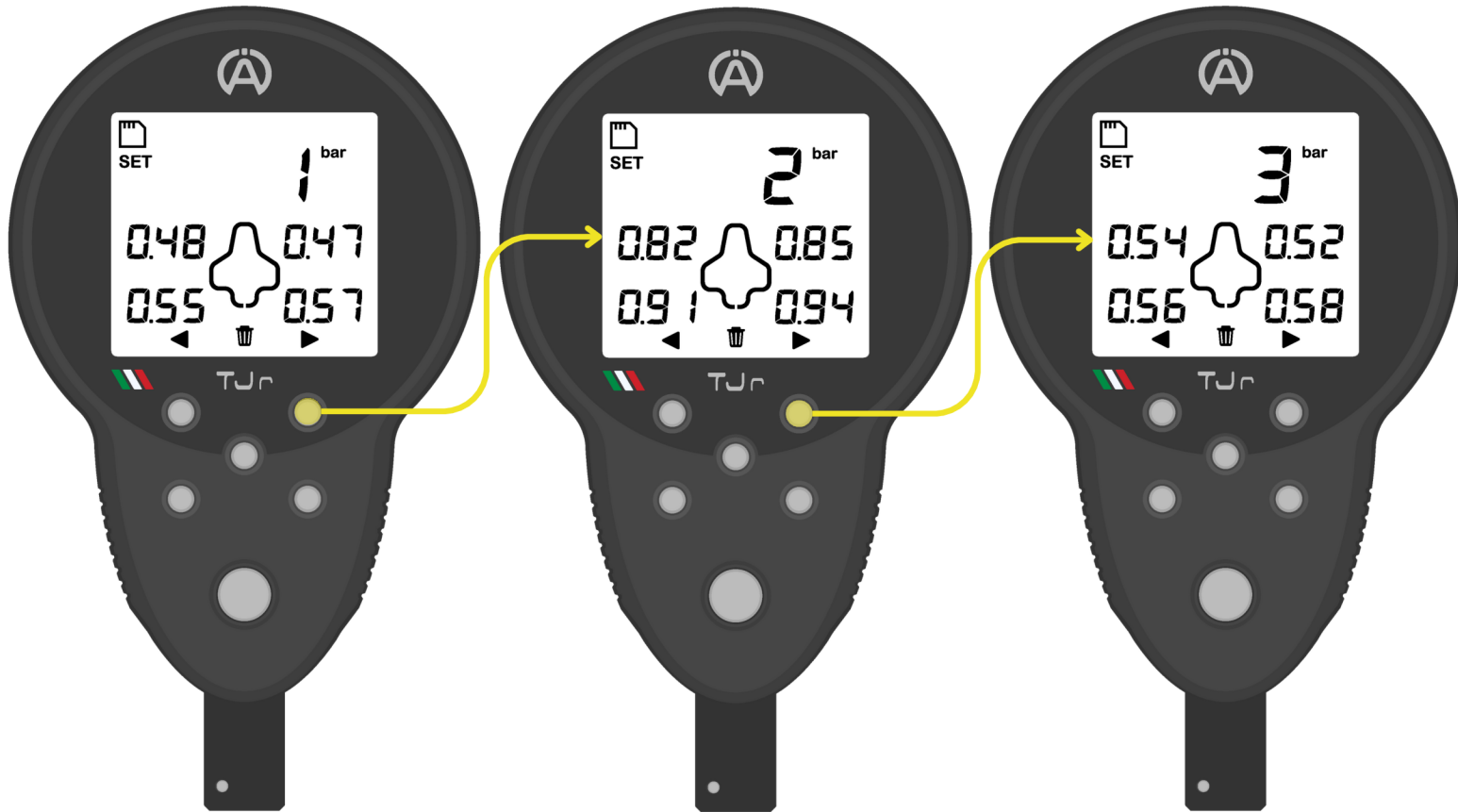
To read or delete one or more SETs, access the device memory by simultaneously pressing the upper right button and the upper left button while the device is turned on and on the home page



6.1 Reading/Deleting Memory

6.1 Program 1

Use the upper right or left buttons to navigate the entire memory



6.1.1 Delete SETs

To delete a SET, select it and **press and hold** the action button

To delete the entire memory, scroll through the SET to the "ALL" page and **press and hold** the action button

Holding down one of the upper buttons, scrolling accelerates

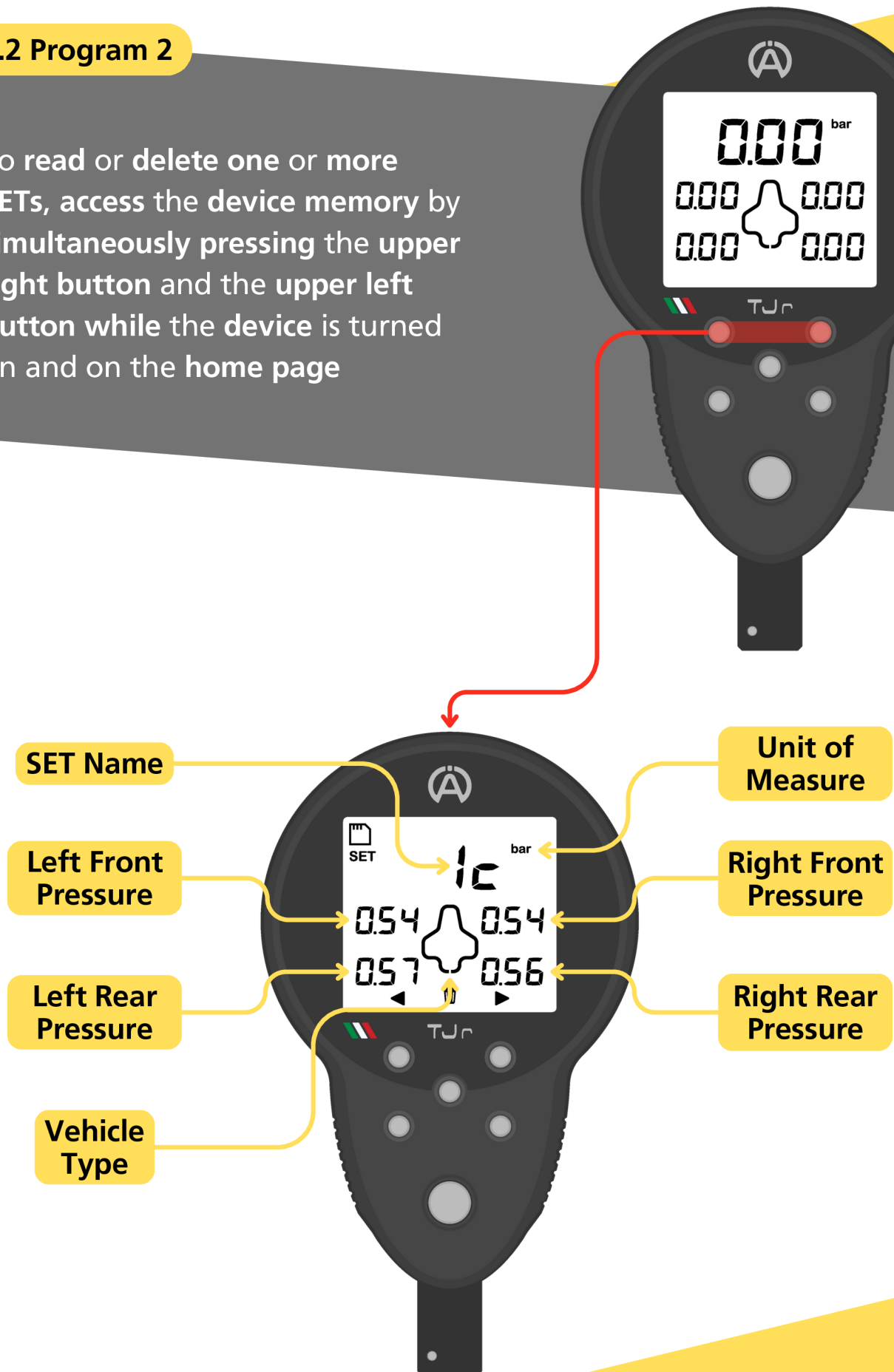
After deleting the entire memory, the TJr will automatically return to the home page



6.1 Reading/Deleting Memory

6.2 Program 2

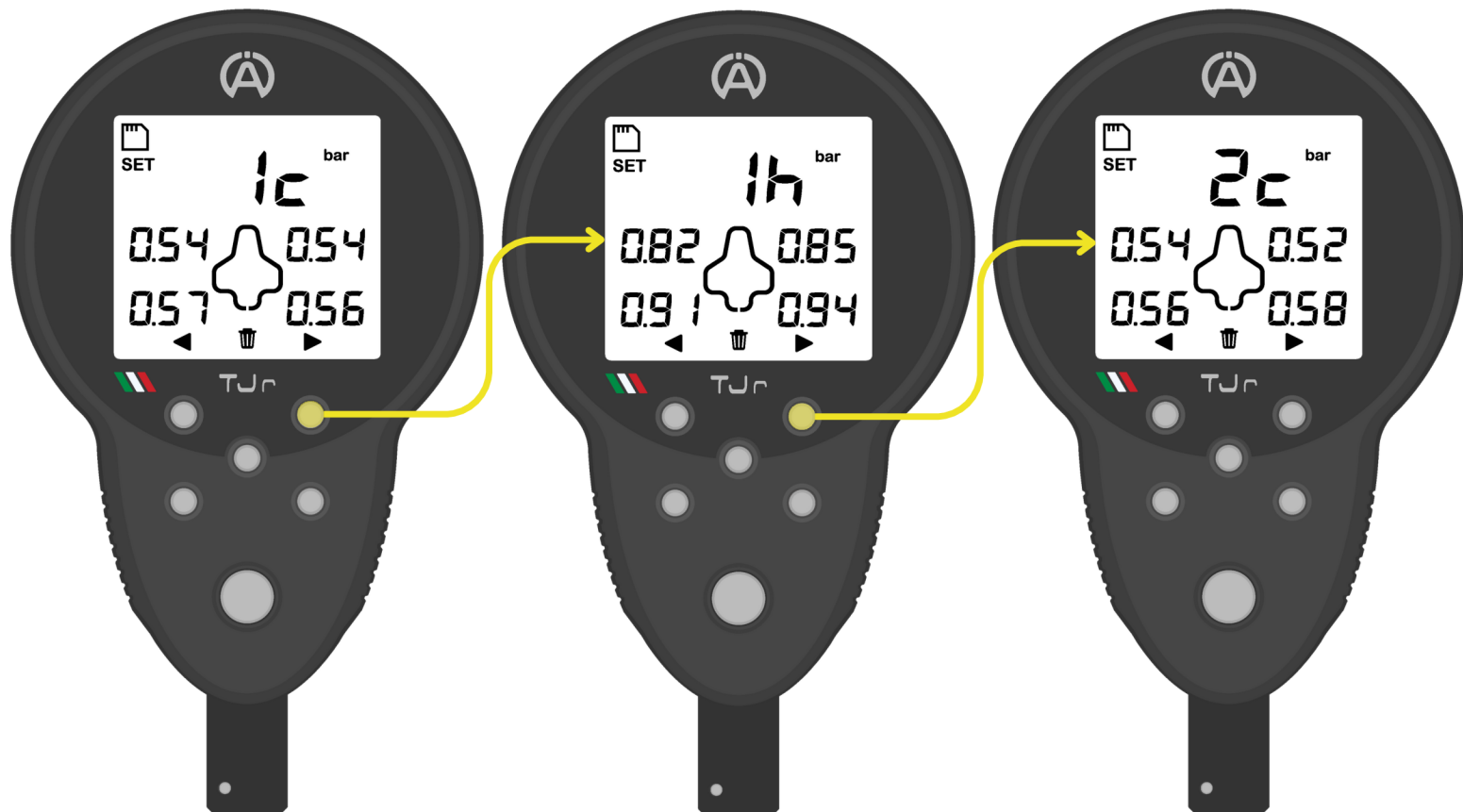
To read or delete one or more SETs, access the device memory by simultaneously pressing the upper right button and the upper left button while the device is turned on and on the home page



6.1 Reading/Deleting Memory

6.2 Program 2

Use the upper right or left buttons to navigate the entire memory



6.2.1 Delete SETs

To delete a SET, select it and **press and hold** the action button

To delete the entire memory, scroll through the SET to the "ALL" page and **press and hold** the action button

Holding down one of the upper buttons, scrolling accelerates

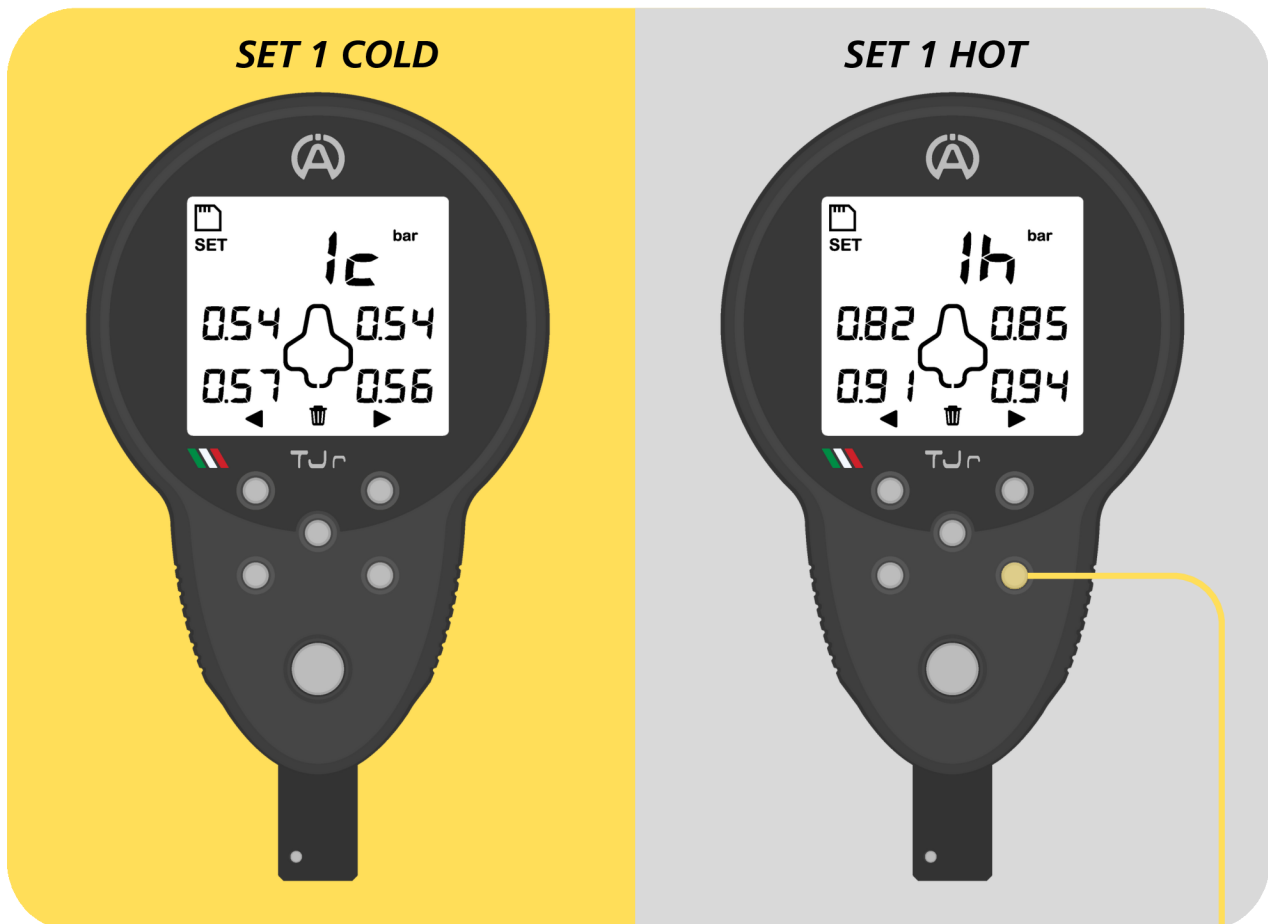
After deleting the entire memory, the TJr will automatically return to the home page



6.1 Reading/Deleting Memory

6.2 Program 2

6.2.2 Pressure Delta



To display the pressure difference of the selected SET, press one of the two lower buttons while the cold SET or hot SET is displayed



6.1 Reading/Deleting Memory

6.2 Program 2

6.2.2 Pressure Delta

The pressure delta between the hot SET and cold SET can be calculated for all wheels with assigned pressure in both SETs

For wheels that do not satisfy this condition, dashes are shown in the delta display



7. Low battery

The low battery icon lights up in two modes:

- **Solid icon**, the battery is nearing the end of its life and will need to be replaced soon
- **Flashing icon**, it's time to replace the battery

The low battery icon appears on all TJr screens, whether solid or flashing



7.1 Battery Replacement

To replace the battery, pull the appropriate tab to remove the red rubber cap on the back of the TJr



7. Low battery

7.1 Battery Replacement

To release the device's **battery**, gently push down on the **battery latch** with your thumb, as shown in the figure

Use only high-quality CR2450 batteries



Insert the new battery with the **positive end facing upwards** and push it into the Tjr until the latch clicks into place

Then, refit the red rubber cap, ensuring it is **correctly inserted** to prevent water infiltration



V: 0.0.1

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