

# New Sensor-Aid Functions

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# A. Check Uni-Sensor Type



# Purpose

- To help the user to know if a Uni-Sensor installed inside a tire is a VS62U003 (Wire type only) or a VS62U009 (Wire/Wireless type) without having to dismount the tire and Sensor.



# 1. Select MMY & Check Uni-Sensor

- Select any MMY in the Sensor-Aid, and in the menu select Check Uni-Sensor. The Sensor-Aid will scan the Sensor placed within scanning range.



## 2. Detecting a Wire Sensor

- If the scanned Sensor is a VS62U003 (Wire type only), “Wire Sensor found” will be displayed on the screen.



## 2. Detecting a Wire/Wireless Sensor

- If the scanned Sensor is a VS62U009 (Wire/Wireless type), “Wireless Sensor found” will be displayed on the screen.



# Important Note

- The Check Sensor Type Function is independent of the protocol with which the Sensor is programmed, i.e. it will detect and show the type regardless of what MMY the Sensor was programmed with, however:
  - The VS62U003 (Wire type only) Sensor cannot be detected by this function if it is blank (i.e. if has not been programmed previously)
  - The VS62U009 (Wire/Wireless type) Sensor can be detected whether it is blank or already programmed.



# B. 20 Car Datalog Saving



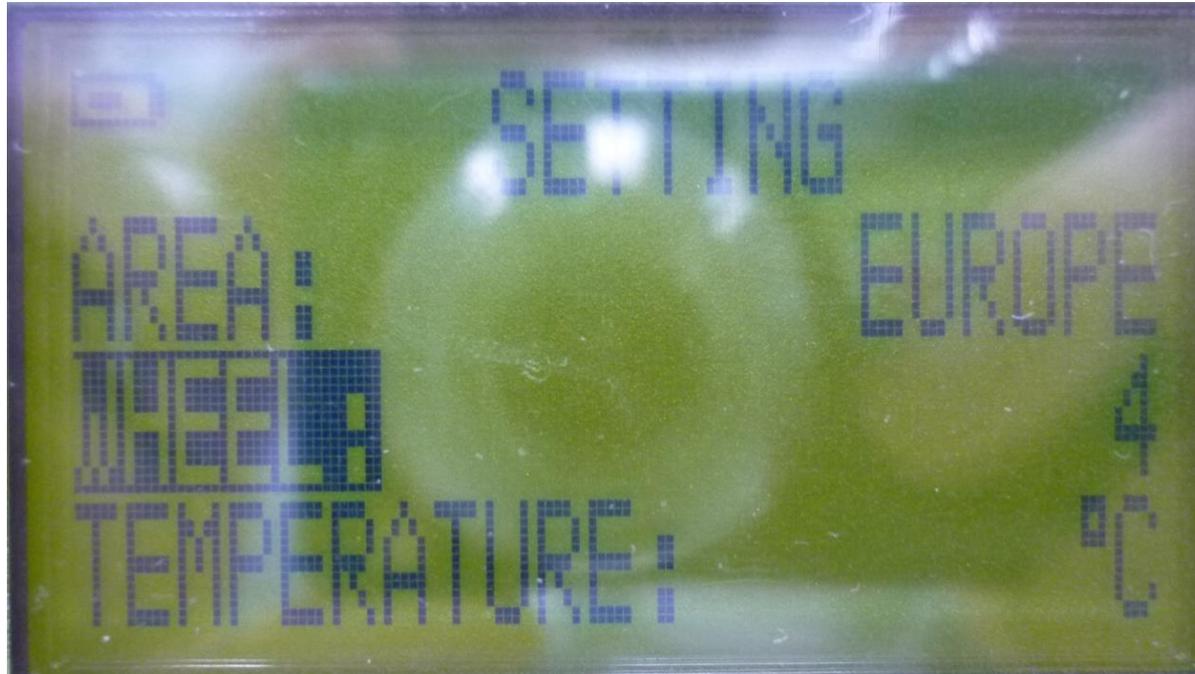
# Purpose

- To store the data for up to 20 vehicles in the Sensor–Aid and to transfer it to the ID to PC Software so that it can be stored and printed.



# 1. Set Number of Wheels to 4

- Under Settings, set the number of wheels to 4.



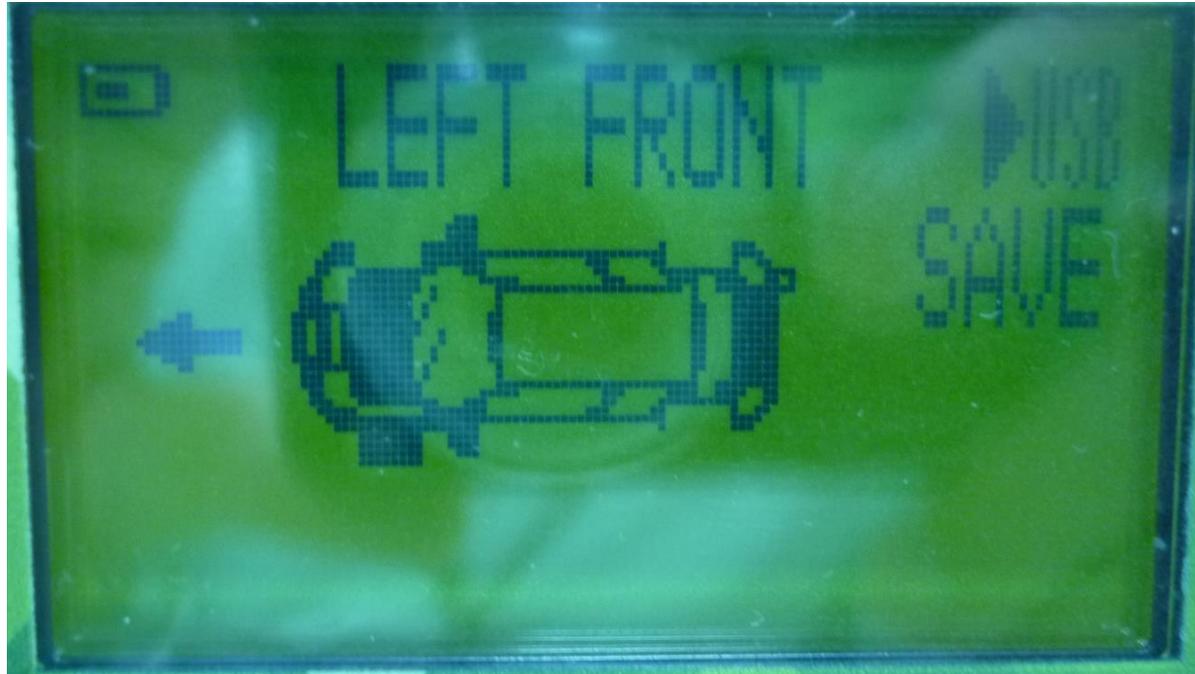
## 2. Select Diagnose

- Under the MMY you wish to save, select the Diagnose Sensor Function.



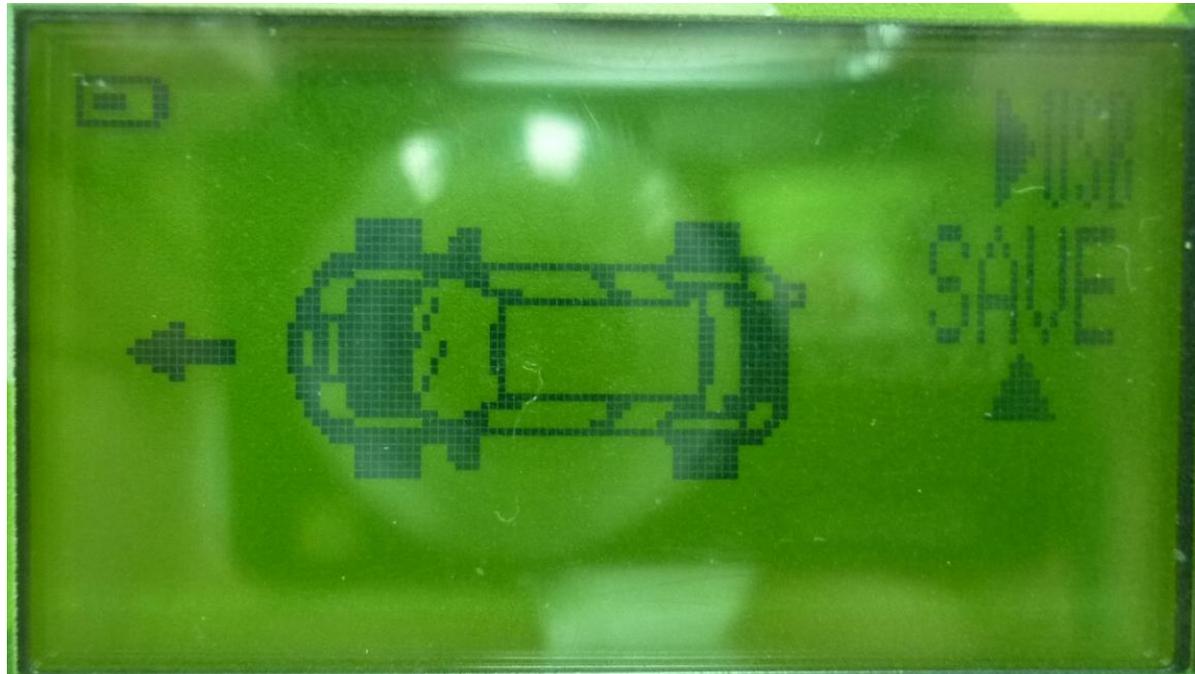
# 3. Diagnose all Sensors

- Diagnose all 4/5 Sensors. Press on the arrows to navigate between wheel positions.



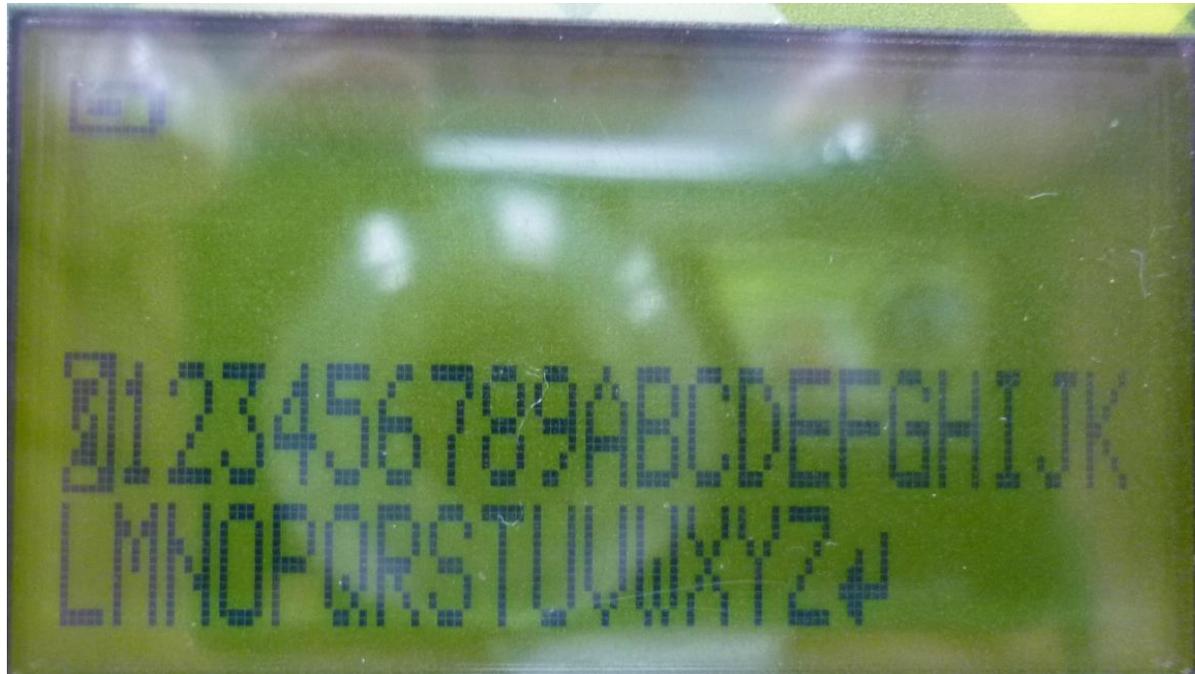
## 4. Select Save

- Once all 4/5 Sensors have been diagnosed, go to Save on the right hand side. All Sensor IDs, their wheel positions and the corresponding pressure and temperature values will be stored.



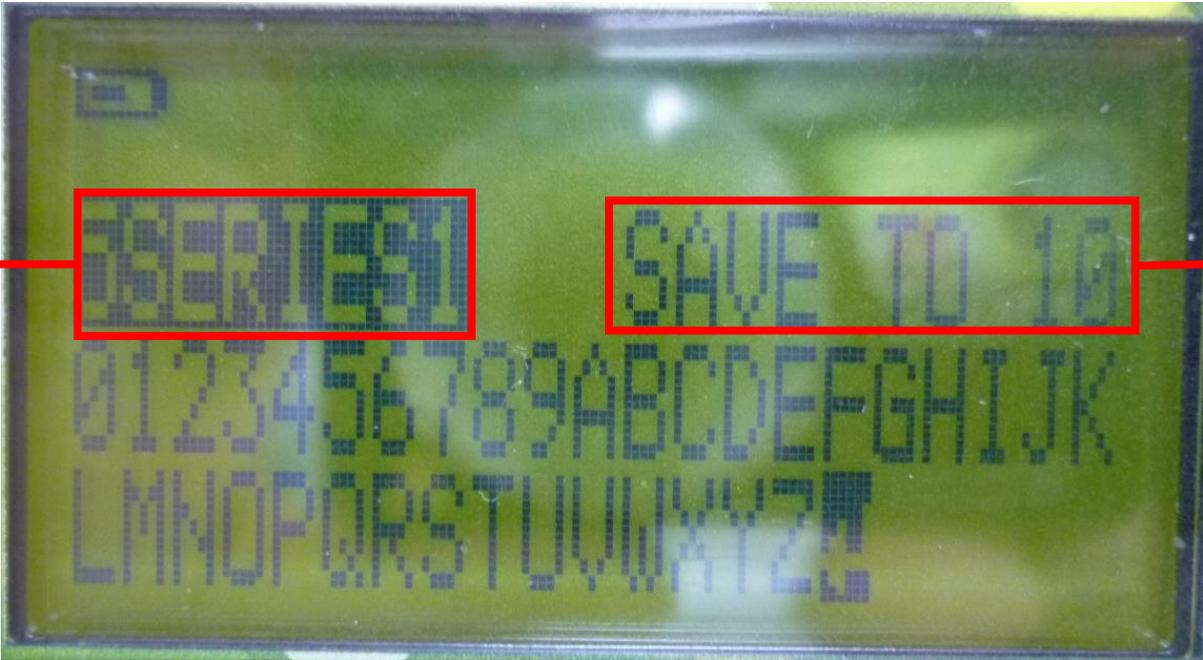
# 5. Key in the Datalog Name for Saving

- A screen showing the 26 characters of the English alphabet and the numbers 0 to 9 will be shown. You can input up to 8 characters as the saving name. Once finished, navigate with the arrow buttons to the Enter icon at the bottom right and press the Enter button to confirm.



# 6. Saved Datalog Confirmation

- Once you have saved, a prompt will tell you which position (1 to 20) the Datalog has been saved to. The position numbers are given in chronologic order.



Saved Datalog Name

Position saved to



# 7. Opening the Saved Datalogs

- Go to the Sensor Aid's main menu and select the DATA option at the bottom right. You will see in the parenthesis the total number of positions saved.



# 8. Viewing the Saved Datalogs

- After pressing Enter on the DATA option from the main menu, you will see all saved positions in a list format. To view any position, navigate to it with the arrow buttons and press Enter.



# 8. Viewing the Saved Datalogs (continued)

- After pressing enter, you will see the MMY information and the Sensor frequency. Press Enter again to visualize the 4/5 IDs saved.



# 8. Viewing the Saved Datalogs (continued)

- The Sensor ID's will be shown in an array similar to that of the 4 wheel display. To go back to the Datalog positions menu, press Escape.



# 8. Viewing the Saved Datalogs (continued)

- If the Datalog you have saved includes the Spare Tire, its ID can also be seen as shown below.



## 9. If the Memory is full

- If you try to save another Datalog position when you already have the maximum of 20 saved positions, the warning message below will be shown. **ATTENTION: Press Escape if you still don't want to delete all Datalogs; if you press Enter at this screen all Datalogs will be irreversibly deleted.**



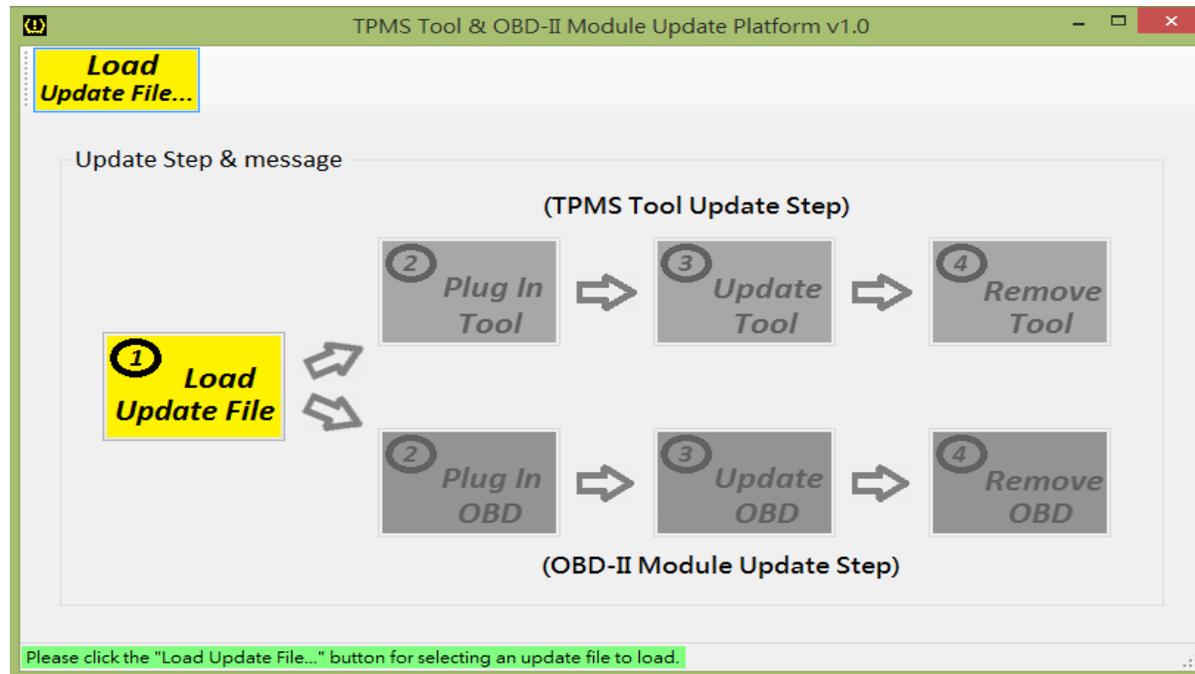
# 10. Deleting the Datalogs

- When navigating in the saved Datalog positions, if you go to position 1 and press the Up arrow button, or if you go to the last position and press the Down arrow button, a delete warning message will be shown. To exit this menu, simply press the Up or Down arrow buttons and you will go back to the saved Datalog positions list. To delete all, press the Enter button. **ATTENTION: there is only the option to irreversibly delete ALL Datalogs at once and not one by one.**



# 10. Deleting the Datalogs (continued)

- **ATTENTION: All Datalogs will be irreversibly deleted from the Sensor-Aid when you execute the Firmware update using the Update Software.**



# 11. ID to PC Software

- The ID to PC Software has been modified in order to show the TPMS information for all saved Datalog positions. You have the option to navigate between Datalogs to visualize them, to export them all to an Excel file and to separately save them as an image/text file and print them.

The screenshot shows the TPMS ID# To PC APP V2.4 interface. A dropdown menu is open, listing 20 vehicle models. The main window displays a note, a table for car owner information, a table for test performance, and a table for TPMS data. The vehicle selection dropdown is currently set to '1. BMAX2015'.

Name Car Owner	License Plate	Chassis Number	Na

Test Performed On	Vehicle Make	Vehicle Model
2015/10/01 16:44:03	FERRARI	California (F149)

Position	ID	Pressure PSI	Pressure Kpa
LF(1)	1088991022	0.05	0
RF(2)			
RR(3)			
LR(4)			
SP(5)			

Temperature C	Temperature F	Battery State
	80	OK

Vehicle Selection: 1. BMAX2015



# 11. ID to PC Software (continued)

- The ID to PC Software supports now 3 different languages. You can switch to the language of your preference by selecting the respective flag at the bottom right menu.

The screenshot shows the TPMS ID# To PC APP V2.4 interface. It includes a disclaimer, two summary tables, a main data table, and a language selection menu.

**Table 1: Vehicle Information**

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

**Table 2: Test Information**

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

**Table 3: Sensor Data**

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

**Language Selection Menu:**

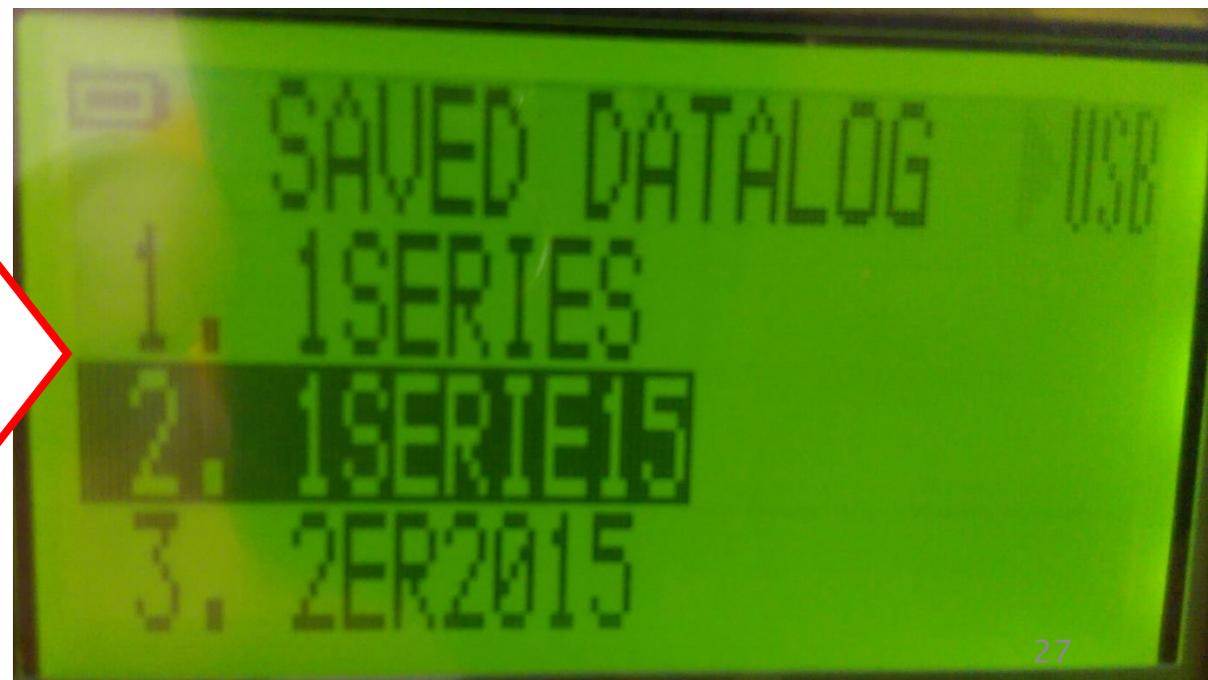
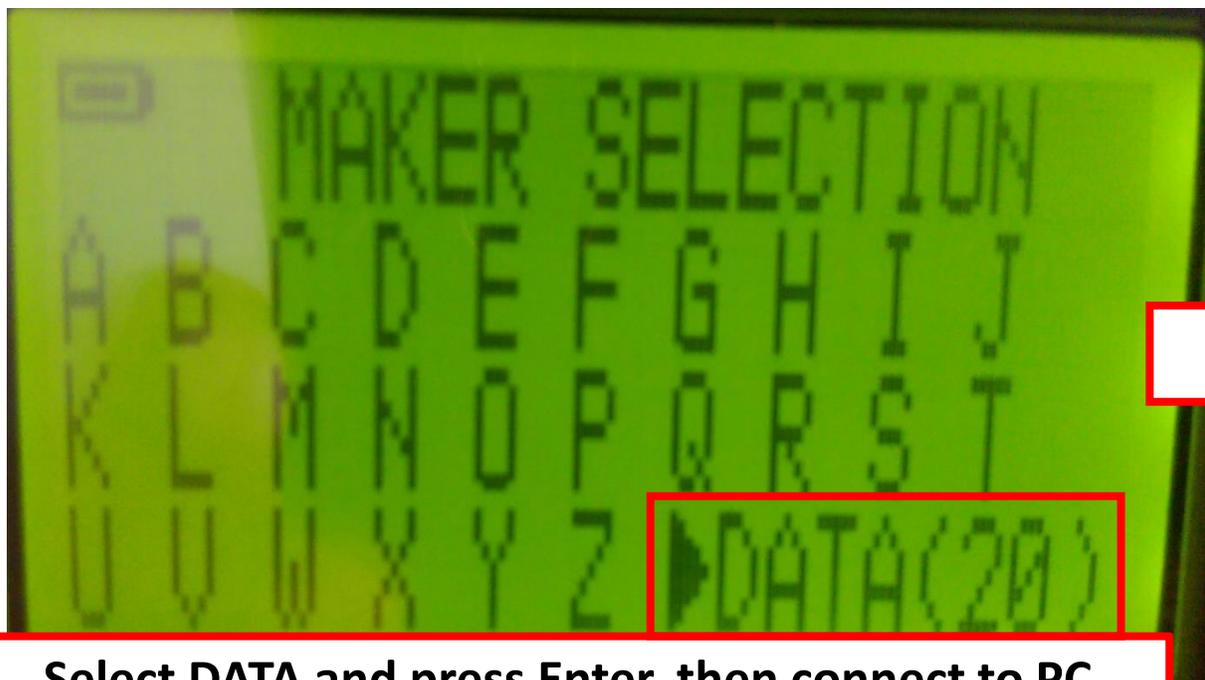
- Deutsch (German flag)
- English (US flag)
- Italian (Italian flag)

Additional interface elements include a 'Disconnect' button, 'Vehicle Selection: 1. BMAX2015', and a system tray icon.



# 11.1 Transferring Datalogs to ID to PC Software

- Open the ID to PC Software first, then in the Sensor-Aid, select the DATA option in the Sensor-Aid's main menu and press the Enter button to display the saved Datalog position list. Then, connect the Sensor-Aid to your PC. All Datalogs will be transferred to the ID to PC software. **ATTENTION: if you connect the Sensor-Aid to your PC at any other screen other than the saved Datalog position list, the Sensor-Aid will enter into Boot Loader mode. However, all Datalogs will remain stored in the Sensor-Aid's flash memory.**



Select DATA and press Enter, then connect to PC

# 11.1 Transferring Datalogs to ID to PC Software (continued)

- Once connected to the PC, all saved positions will be transferred automatically. While the transfer is being done, the Connect icon at the bottom left will be activated and turned off when finished. By default, the ID to PC Software will show the last saved position.

TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:17	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 20.00111111

# 11.2 Navigating between the Datalogs

- Click on the position number at the Vehicle Selection menu at the bottom center of the screen to choose the Datalog position you wish to visualize.

The screenshot shows the TPMS ID# To PC APP V2.4 interface. A dropdown menu is open, listing 20 vehicle models from 1. BMAX2015 to 20. 00111111. The interface includes a disclaimer, a table for car owner information, a table for test performance, and a table for tire pressure data.

Note: Battery value or state displayed is a direct output from the sensor. This TPM information is provided as is and has no warranty implied or otherwise. Use at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Na

Test Performed On	Vehicle Make	Vehicle Model
2015/10/01 16:44:03	FERRARI	California (F149)

Position	ID	Pressure PSI	Pressure Kpa
LF(1)	1088991022	0.05	0
RF(2)			
RR(3)			
LR(4)			
SP(5)			

Temperature C	Temperature F	Battery State
	80	OK

Vehicle Selection: 1. BMAX2015



# 11.2 Navigating between the Datalogs (continued)

- Select any Datalog position and its information will be displayed.

TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
 This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015



# 11.3 Adding Client/Order Information

- You have the option to enter client, order or other information for each Datalog position independently by means of the input fields at the top.

TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
 This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015



# 11.4 Saving the Datalogs

- Each Datalog position can be individually exported and saved as a text file by means of the Export to Text button at the top left. The saved file will look like the sample below.



TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
 This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015

IDtoPC.txt - Notepad

```

File Edit Format View Help
| Name Car Owner | License Plate | Chassis Number | Name Worker | Summer Tire Set | Winter Tire Set |
-----
| Test Performed On | Vehicle Make | Vehicle Model | Year | TPM Type |
-----
2015/10/01 16:44:03 FERRARI California (F149) 10/2008-12/2015 433MHz
-----
| Position | ID | Pressure PSI | Pressure Kpa | Pressure Bar | Temperature C | Temperature F | Battery State |
-----
LF(1) 1088991022 0.05 0 0.0034 27 80 OK
-----
RF(2)
-----
RR(3)
-----
LR(4)
-----
SP(5)
-----
  
```

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# 11.4 Saving the Datalogs (continued)

- Each Datalog position can be individually saved as an image file by means of the Export to Image button at the top left. The saved file will look exactly like the ID to PC mask for that vehicle (see sample below).



TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015

TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015 33

# 11.4 Saving the Datalogs (continued)

- All Datalog positions can be exported and saved as a single Excel worksheet by means of the Export to Excel button at the top left. The saved Excel file will look like the sample below. The Datalogs can be identified by their saved names.



TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
 This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015

AUDI A3	Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set	Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type	Position	ID	Pressure PSI
							2015/09/04	AUDI	A3	06/2012-12	433MHz	LF(1)	0688655040.36	
												RF(2)	0688510500.36	
												RR(3)	0688510400.36	
												LR(4)	0688510500.36	
												SP(5)		

AUDI A6	Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set	Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type	Position	ID	Pressure PSI
							2015/09/04	AUDI	A6	2011-15	433MHz	LF(1)	0688510400.36	
												RF(2)	0688510500.36	
												RR(3)	0688510500.36	
												LR(4)	0688655040.36	
												SP(5)		

AUDI A7	Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set	Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type	Position	ID	Pressure PSI
							2015/09/04	AUDI	A7	09/2010-12	433MHz	LF(1)	0688510500.36	
												RF(2)	0688510400.36	
												RR(3)	0688510500.36	
												LR(4)	0688655040.36	
												SP(5)		

AUDI Q5	Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set	Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type	Position	ID	Pressure PSI
							2015/09/04	AUDI	Q5(Q5)	09/2008-12	433MHz	LF(1)	0688655040.36	
												RF(2)	0688510500.36	
												RR(3)	0688510400.36	

# 11.5 Printing the Datalogs

- You can print each Datalog individually by selecting the Export to Printer button at the top left. The printout will look exactly as the ID to PC mask for that vehicle (see sample below).



TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015 -

TPMS ID# To PC APP V2.4

Note: Battery value or state displayed is a direct output from the sensor and is not an interpretation on the part of Cub.  
This TPM information is provided as is and has no warranty implied or otherwise. You are free to (use/modify) this information at your own risk with the expressed limitation of liability.

Name Car Owner	License Plate	Chassis Number	Name Worker	Summer Tire Set	Winter Tire Set

Test Performed On	Vehicle Make	Vehicle Model	Year	TPM Type
2015/10/01 16:44:03	FERRARI	California (F149)	10/2008-12/2015	433MHz

Position	ID	Pressure PSI	Pressure Kpa	Pressure Bar	Temperature C	Temperature F	Battery State
LF(1)	1088991022	0.05	0	0.0034	27	80	OK
RF(2)							
RR(3)							
LR(4)							
SP(5)							

Connect Vehicle Selection: 1. BMAX2015 - 35

**Congratulations! You are  
now ready to use the new  
Sensor–Aid Functions.**



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