



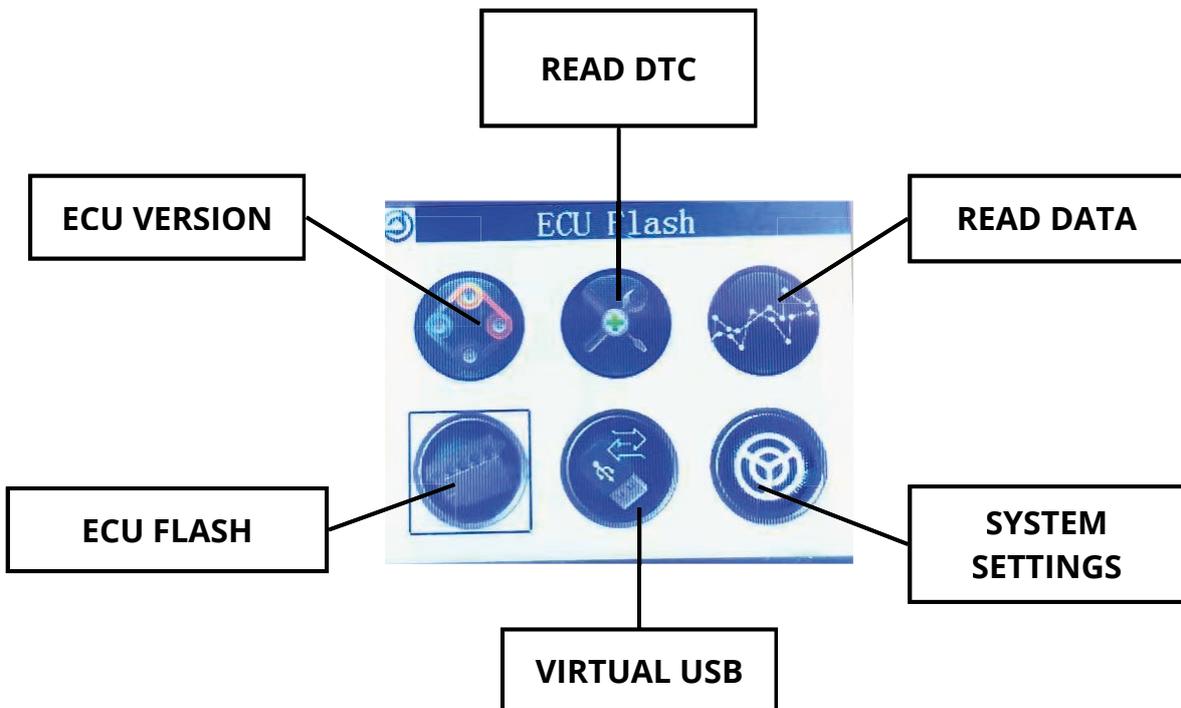
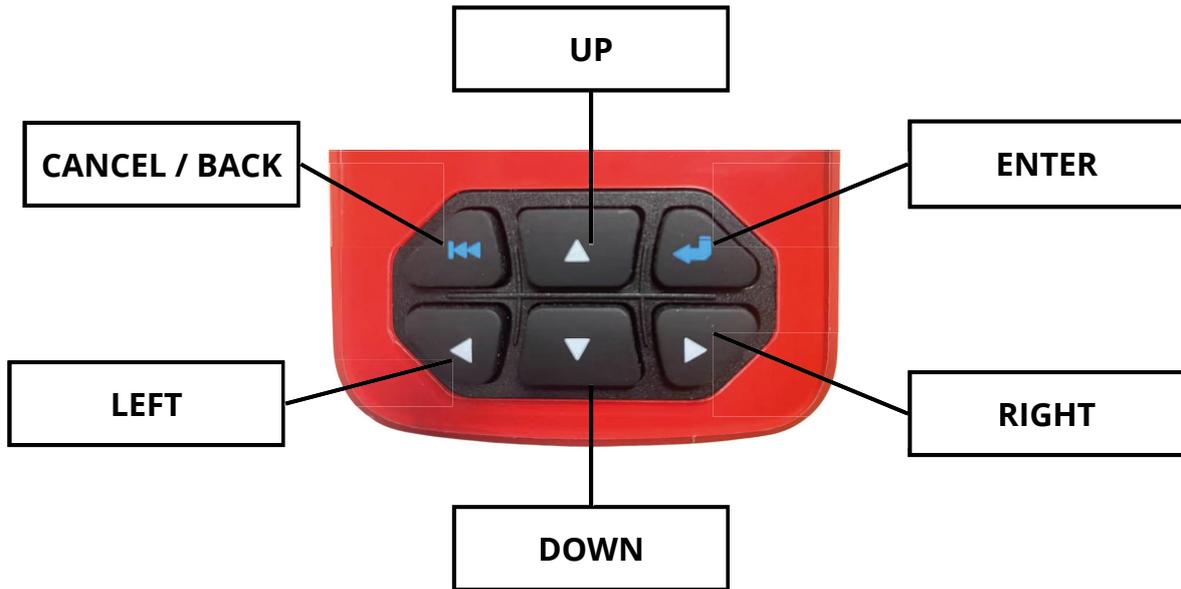
# Operation Guide for AODES Diagnostic Tool



# Index

1. Introduction of control keys functions	3
2. Access to the diagnostic port on your vehicle	4
3. Procedure for ECU data programming	8
4. Writing a calibration program into the diagnostic tool	11
5. How to read Fault Codes	12
6. Recording of running data and outputting data	13
7. Language settings	16
8. Other functions	17
9. Contact us	17

# 1. Introduction of control keys functions



## 2. Access to the diagnostic port on your vehicle

### Diagnostic port on ATV (all models)

The diagnostic port on all AODES ATVs is located under the seat. Follow these instructions to access the diagnostic port.

Step 1: Remove the passenger seat by pulling the red rope while pushing the backrest.



Step 2: Remove the driver's seat, using the lever located in the position indicated in the picture below.

**Note: Exercise caution when removing the driver's seat as it is connected to the vehicle by a cable.**



Step 3: Remove the protective cover from the diagnostic port and insert the connection cable of the diagnostic tool



### **Diagnostic port on UTV (all models)**

The diagnostic port on all AODES UTVs is located on the right side of the cargo bed, under a plastic cover.

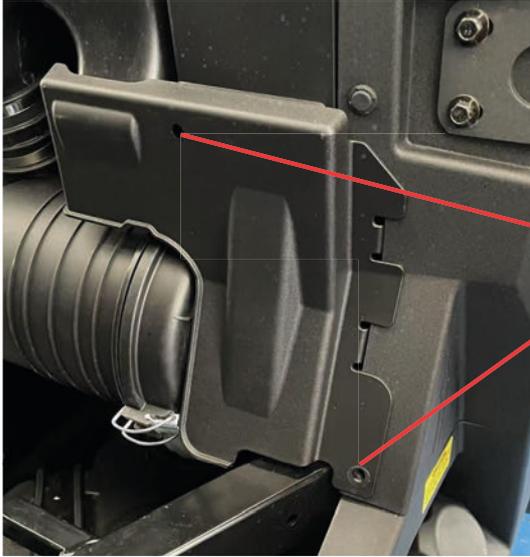
Follow these instructions to access the diagnostic port.

Step 1: Lift the cargo bed by using the levers



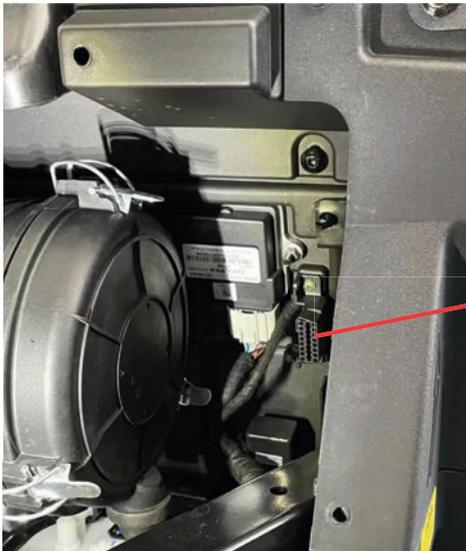
**LOCATION OF THE  
DIAGNOSTIC PORT**  
The port is located under  
this plastic plate

Step 2: Unscrew the screws on the plate and remove the plate



**These screws needs to be removed**

Step 3: Remove the protective cap on the diagnostic port and insert the connector



**LOCATION OF THE DIAGNOSTIC PORT**

## Diagnostic port on snowmobile

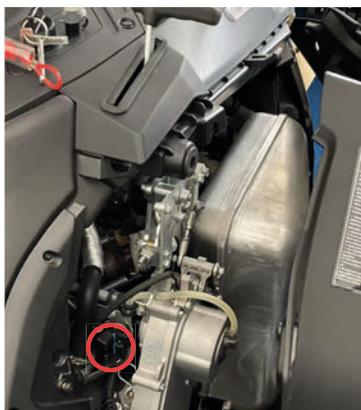
The diagnostic port on the AODES snowmobile located on the right front side of the vehicle, under the plastic cover.

Follow these instructions to access the diagnostic port.

Step 1: Detach all the attachments (circled in red) on the plastic cover, and carefully remove it.



Step 2: Remove the protective cap (circled in red) on the diagnostic port and insert the connector



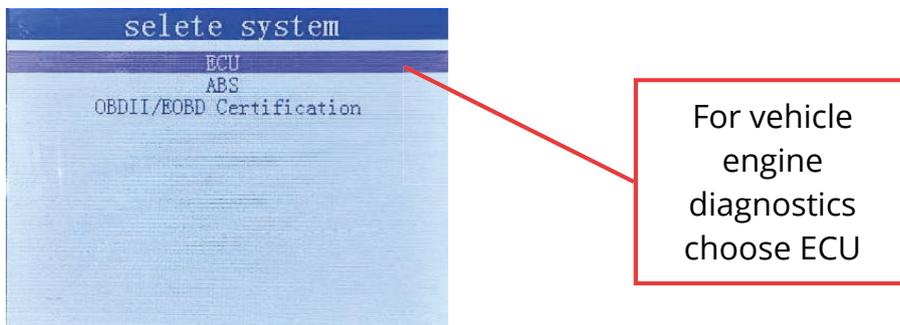
LOCATION OF THE  
DIAGNOSTIC PORT

### 3. Procedure for ECU data programming

Step 1: Turn on the key switch and connect the diagnostic tool



Step 2: After the diagnostic tool is on, select the system interface



Step 3: Select ECU Model and ECU Version for your vehicle  
(see Table 1 to find the right Model and ECU Version for your vehicle)

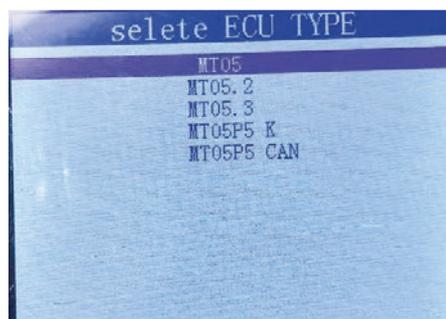
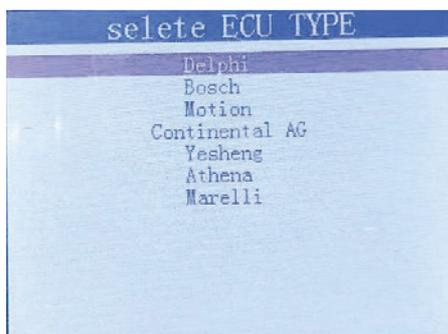
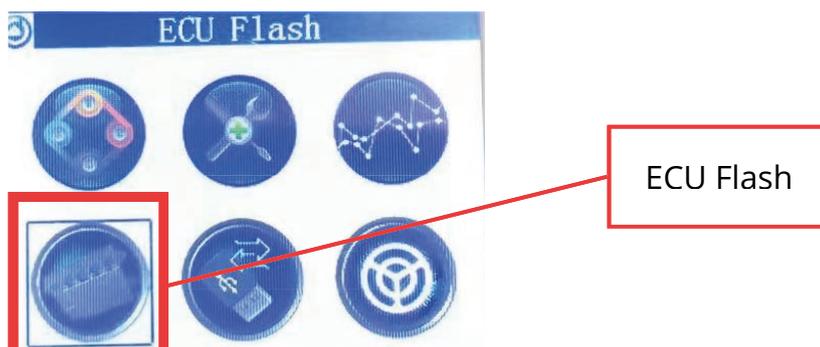


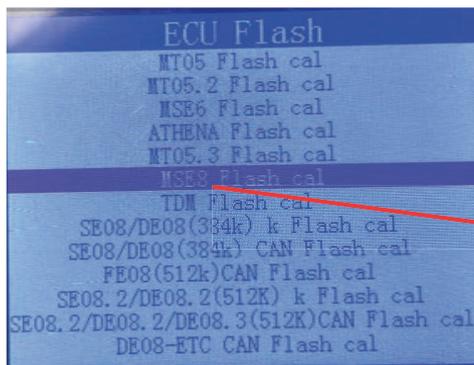
Table 1: ECU Model and Version for each vehicle

Vehicle type	Vehicle Model	ECU Model	ECU Version
UTV	Workcross 650 - 3 seats	Delphi	MT05
UTV	Workcross 1000 - 3 seats	Delphi	MT05
UTV	Workcross 1000 - 6 seats	Delphi	MT05
ATV	Pathcross 650 L	Delphi	MT05
ATV	Pathcross 850 L	Delphi	MT05
ATV	Pathcross 1000 L	Delphi	MT05.3
ATV	Pathcross 1000 L Mudpro	Delphi	MT05
ATV	525	BOSCH	MSE.8
Snowmobile	Alpinecross 1000	Delphi	MT05

Step 4: Select ECU Flash on the options menu

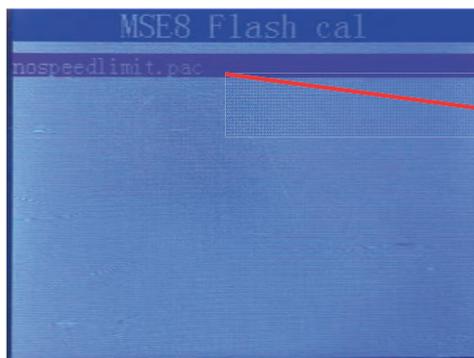


Step 5: Select the calibration folder ( the calibration directory will be given by your AODES distributor)



e.g MSE8 Flash cal

Step 6: Select the calibration file (according the distributor's instructions)



e.g MSE8 Flash cal

Step 7: The tool will start calibrating, wait until the operation is finished and click BACK

**Note:**

1. After the program is completed, the keys needs to be turned off 3 times, and the interval of each time should be more than 15s;
2. Ensure that the power supply of the vehicle is above 12,2V during programming;
3. It is strictly prohibited to power off during data programming.

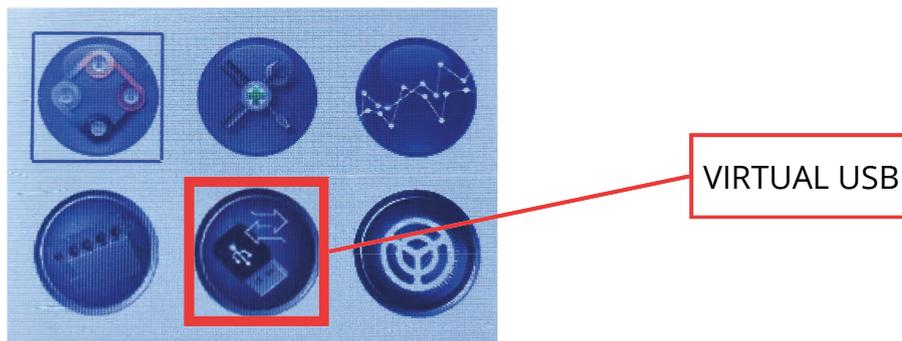
#### 4. Writing a calibration program into the diagnostic tool

This function helps you write the calibration program (given by your distributor) into the diagnosis tool.

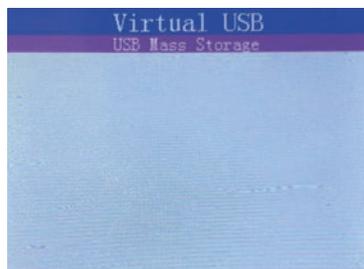
Step 1: Plug in the diagnostic tool to your computer

Step 2: Choose ECU and the ECU Model and Version for your vehicle  
(See paragraph 3 of this manual)

Step 3: Choose "VIRTUAL USB" on the option menu

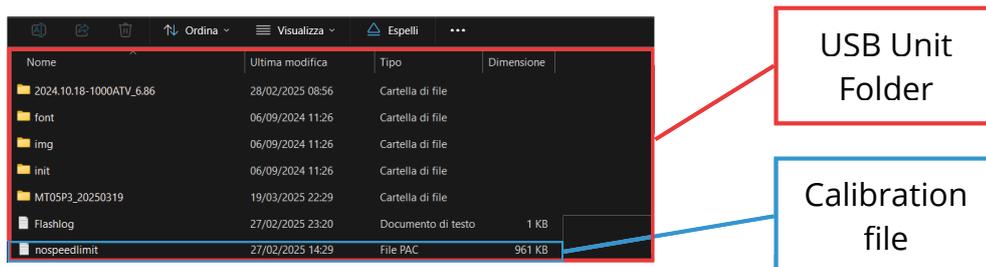


Step 4: Select "USB Mass Storage" and a "USB Unit" will pop up on your computer



Step 5: In your laptop, select Files -> This computer -> USB Unit

Step 6: Download the calibration file (given by your Distributor) and drag it into the USB Unit folder



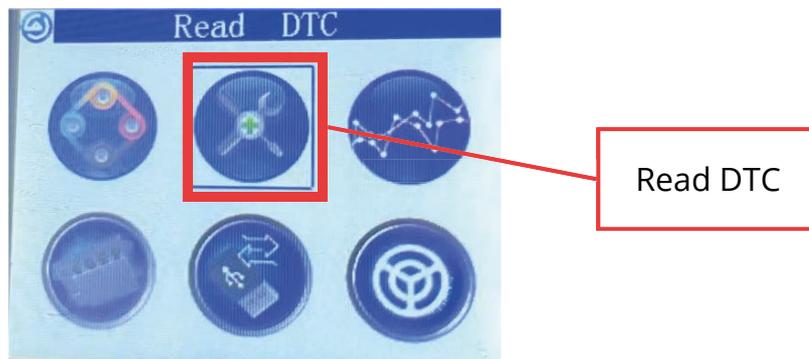
Step 7: Unplug the device from your laptop and plug it into your vehicle to start data programming on the vehicle. (See Paragraph 3 of this manual)

## 5. How to read Fault Codes

This function helps you identify any problems with your vehicle by displaying its fault codes.

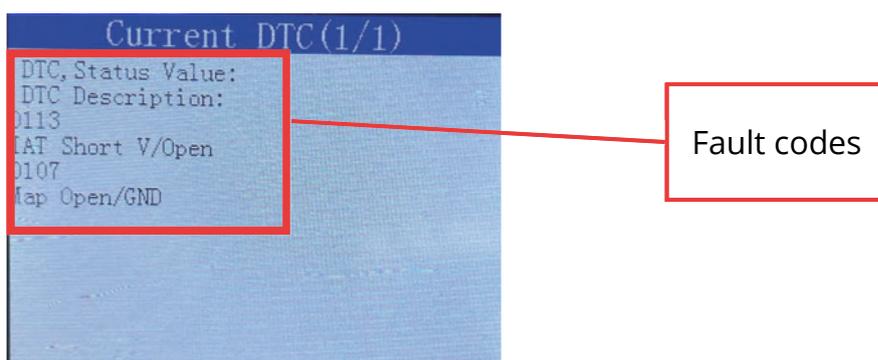
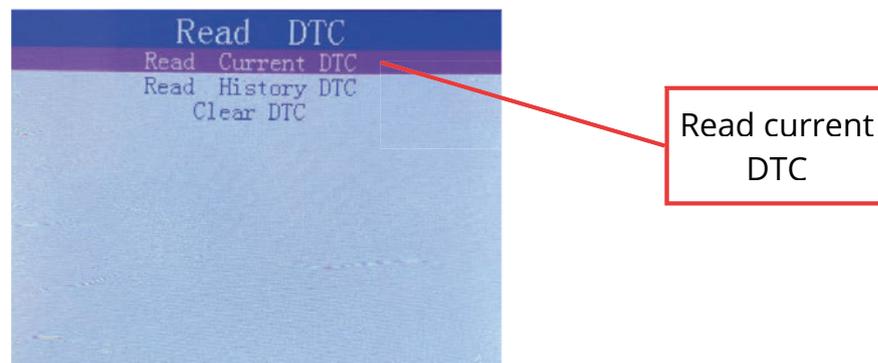
Step 1: Plug in the diagnostic tool to your vehicle, select ECU and ECU Model and Version of your vehicle (see paragraph 3 of this manual)

Step 2: Select the icon "READ DTC"



Step 3: In the "READ DTC MENU" choose "READ CURRENT DTC"

The diagnostic tool will go into Operating Status, wait for it to end, to view the fault codes (if there are any)



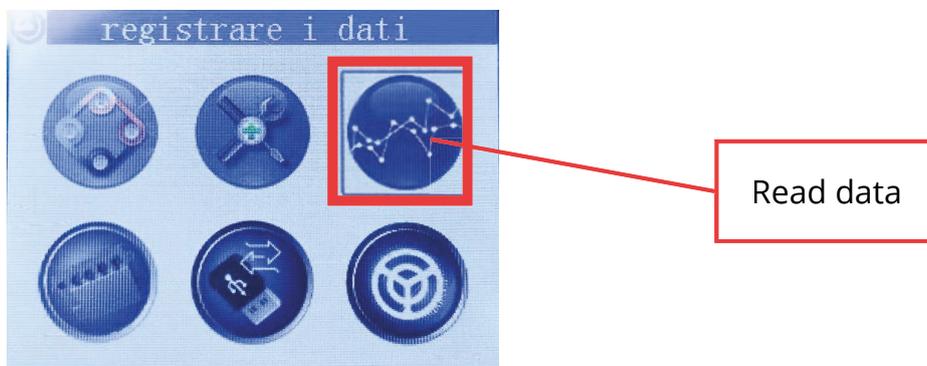
## 6. Recording of running data and outputting data

This function allows you to record data (such as speed, rpm, intake air temperature, etc. ) while the vehicle is running. The data are recorded in an .cvs file.

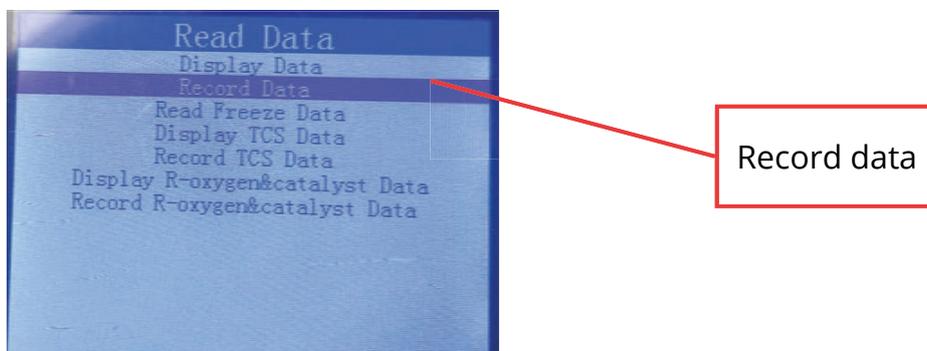
### Recording data

Step 1 : Plug the diagnostic tool to your vehicle and select the model and version (see paragraph 2. of this manual)

Step 2: select the icon "READ DATA"



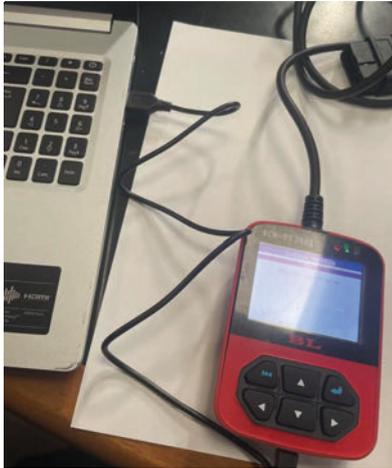
Step 3: In the "READ DATA MENU" choose "RECORD DATA"  
The diagnostic tool will start recording.



Step 4: To stop the recording press ENTER and BACK.  
The data will be saved in a .cvs file.

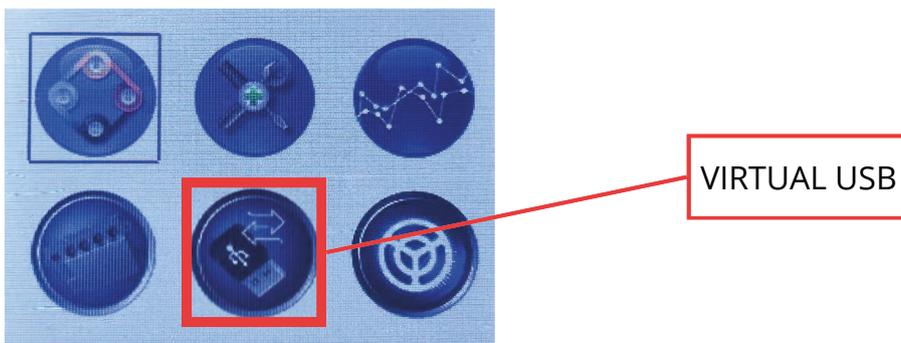
## Outputting the recorded data

Step 1 : Unplug the diagnostic tool from the vehicle and plug it into your computer using the USB cable.

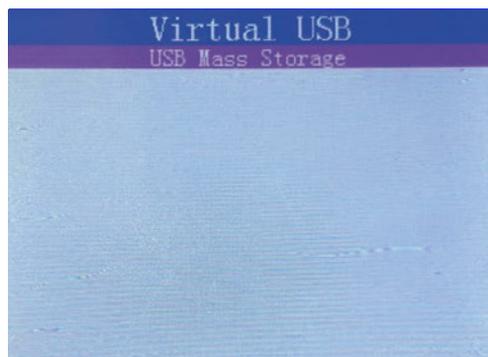


Step 2: Select ECU and ECU Model and Version of your vehicle ( see paragraph 3 of this manual)

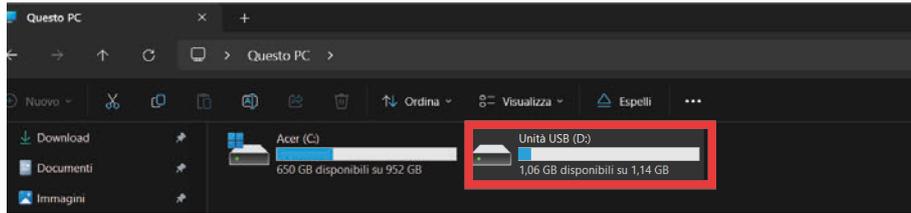
Step 3: On the options menu, select "VIRTUAL USB"



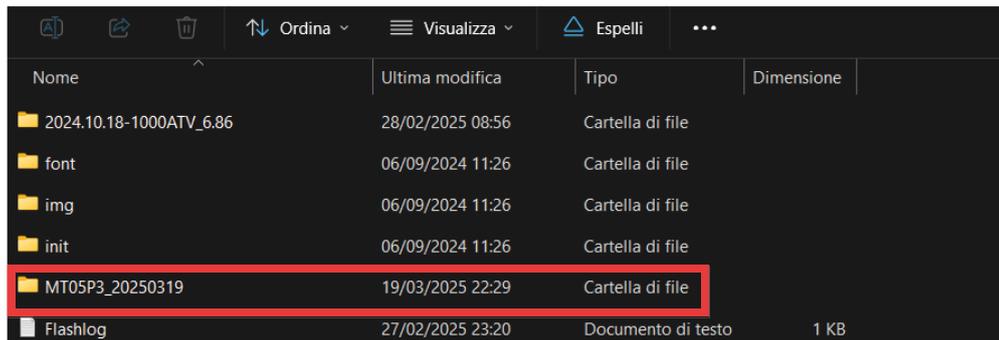
Step 4: Select "USB Mass Storage" and a "USB Unit" will pop up on your computer



Step 5: On your computer select “This computer” and open the “USB Unit”



Step 6: The data are saved into a folder named **ECUVERSION\_DATE** (e.g. **MT05P3\_20250319**)



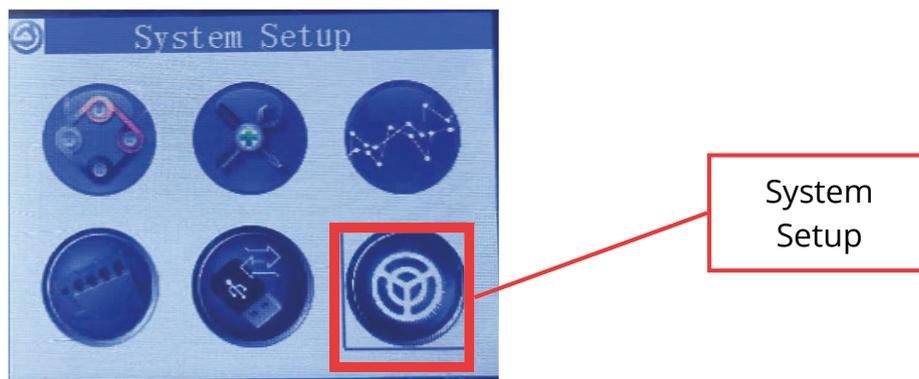
Step 7: Open the folder and the .cvs file to view the recorded data.

## 7. Language settings

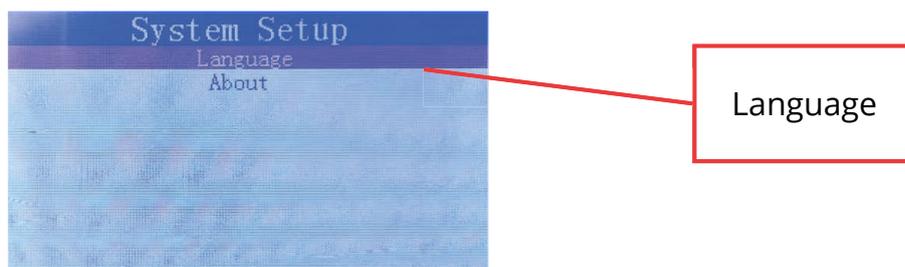
This function allows you to change the diagnostic tool interface language to your preferred language.

Step 1: After the device has been plugged to your laptop or vehicle, select ECU and ECU Model and Version for your vehicle (see paragraph 3 of this manual)

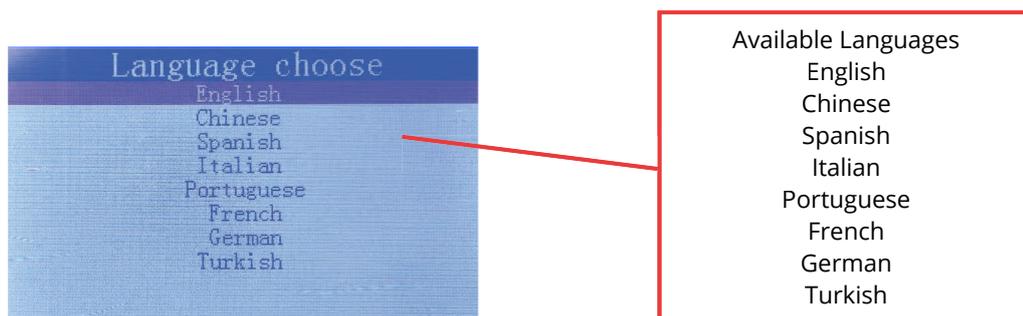
Step 2: Select System Setup on the option menu



Step 3: Select the option "Language" on the system setup menu



Step 4: Choose your preferred language and press ENTER to confirm  
Press BACK to return to the option menu



## **8. Other functions**

This manual covers the basic functions of the AODES diagnostic tool. For advanced functionalities, please contact your AODES distributor.

## **9. Contact us**

If you have any question about this manual or the AODES diagnostic tool, contact your AODES distributor.

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