

2021

Abrites Diagnostics for Mazda Online



# ABRITES DIAGNOSTICS FOR MAZDA ONLINE

**User manual**  
version 31.9



## Important notes

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The Abrites software and hardware products are developed, designed and manufactured by Abrites Ltd. During the production process we comply to all safety and quality regulations and standards, aiming at highest production quality. The Abrites hardware and software products are designed to build a coherent ecosystem, which effectively solves a wide range of vehicle-related tasks, such as:

- Diagnostic scanning;
- Key programming;
- Module replacement,
- ECU programming;
- Configuration and coding.

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## Warranty

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You, as a purchaser of Abrites hardware products, are entitled of a two-year warranty. If the hardware product you have purchased has been properly connected, and used according to its respective instructions, it should function correctly. In case the product does not function as expected, you are able to claim warranty within the stated terms. Abrites Ltd. is entitled to require evidence of the defect or malfunction, upon which the decision to repair or substitute the product shall be made.

There are certain conditions, upon which the warranty cannot be applied. The warranty shall not apply to damages and defects caused by natural disaster, misuse, improper use, unusual use, negligence, failure to observe the instructions for use issued by Abrites, modifications of the device, repair works performed by unauthorized persons. For example, when the damage of the hardware has occurred due to incompatible electricity supply, mechanical or water damage, as well as fire, flood or thunder storm, the warranty does not apply.

Each warranty claim is inspected individually by our team and the decision is based upon thorough case consideration.

Read the full hardware warranty terms on our [website](#).

## Copyright information

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### Notices:

- The information contained in this document is subject to change without prior notice. Abrites shall not be held liable for technical/editorial errors, or omissions herein.
- Warranties for Abrites products and services are set forth in the express written warranty statements accompanying the product. Nothing herein should be construed as constituting any additional warranty.
- Abrites assumes no responsibility for any damage resulting from the use, misuse, or negligent use of the hardware or any software application.

## Safety information

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The Abrites products are to be used by trained and experienced users in diagnostics and reprogramming of vehicles and equipment. The user is assumed to have a good understanding of vehicle electronic systems, as well as potential hazards while working around vehicles. There are numerous safety situations that cannot be foreseen, thus we recommend that the user read and follow all safety messages in the available manual, on all equipment they use, including vehicle manuals, as well as internal shop documents and operating procedures.

Some important points:

Block all wheels of the vehicle when testing. Be cautious when working around electricity.

- Do not ignore the risk of shock from vehicle and building-level voltages.
- Do not smoke, or allow sparks/flame near any part of the vehicle fuel system or batteries.
- Always work in an adequately ventilated area, vehicle exhaust fumes should be directed towards the exit of the shop.
- Do not use this product where fuel, fuel vapours, or other combustibles could ignite.

In case any technical difficulties occur, please contact the

**Abrates Support Team by email at [support@abrites.com](mailto:support@abrites.com).**

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# 1. Abrites diagnostics for Mazda Online

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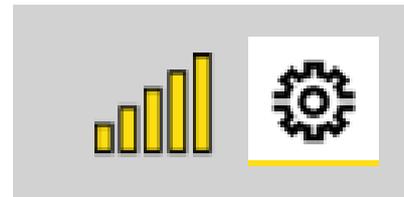
The Abrites diagnostics for Mazda Online is the next generation in the evolution of the Abrites Diagnostics for Mazda. It provides dealer level diagnostics, live value and diagnostic trouble code monitoring, locating and clearing in order to assist the diagnostician to locate and resolve any issues with the vehicle at a dealer level in the environment of their own workshop. It can be installed on any Windows based system higher than XP and requires an AVDI interface to operate.

## 2. Using the Abrites diagnostics for Mazda Online

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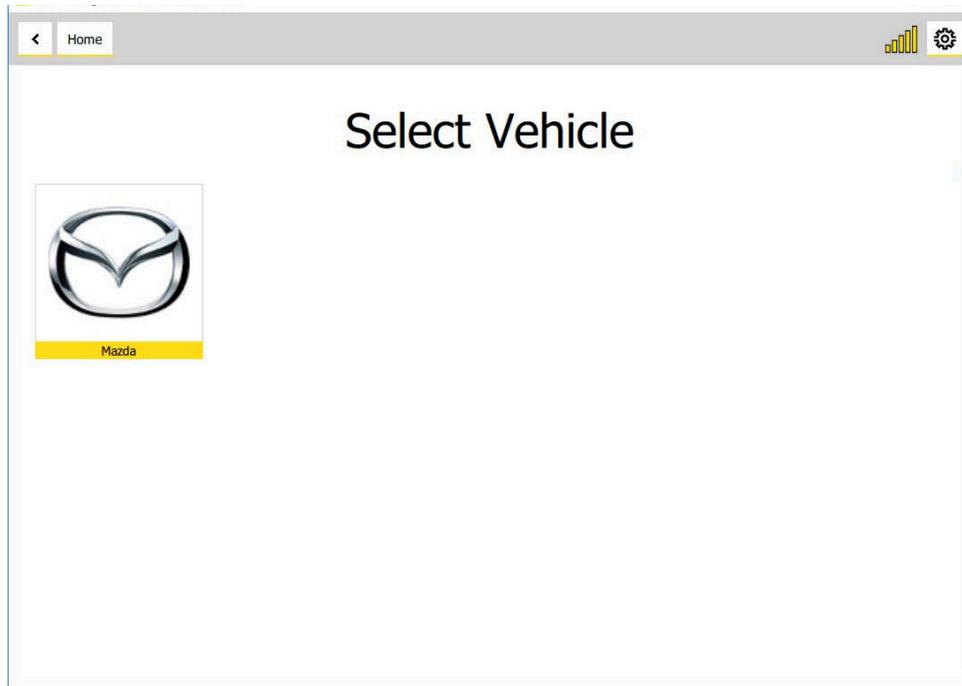
The Abrites diagnostics for Mazda is an Online application and as such it requires the computer you have installed it on to be connected to the Internet. We can suggest a connection to the Internet via 3G/ 4G from a mobile device as well as a WI-FI network. Please ensure to have port 8443 allowed by your Internet service provider in order to ensure the correct functionality of your Abrites diagnostics for Mazda Online. Using the icon in the top right of your software screen you will be able to see the internet connectivity and signal strength and the three horizontal lines will allow you to choose a language in which the software to operate:

When you open the Abrites Quick Start you can select the Abrites diagnostics for Mazda Icon:

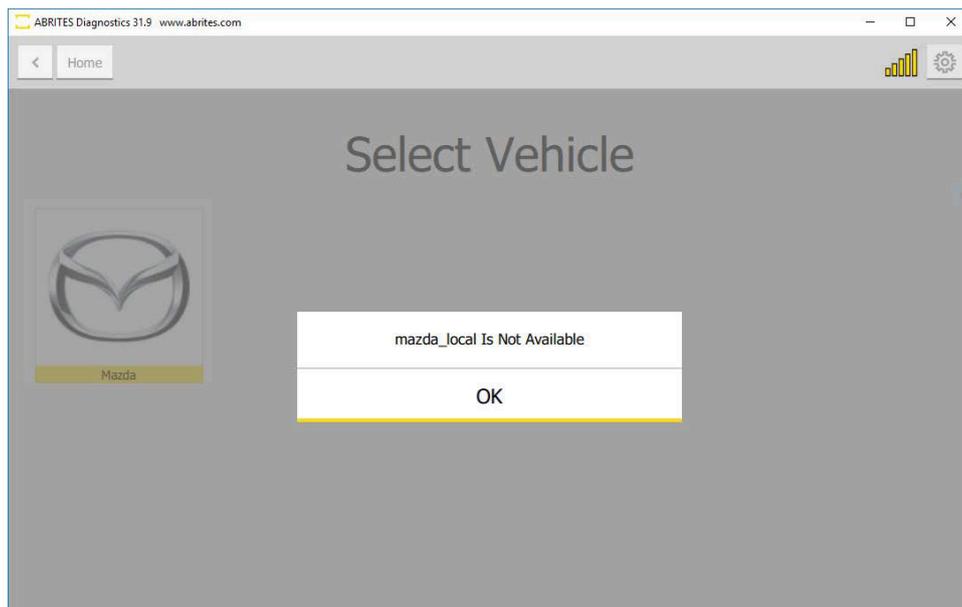


After clicking the Abrites diagnostics for Mazda Icon you will see the software start up. The software will automatically start detecting the vehicle your AVDI is connected to. Once that is done you will see a list of modules.

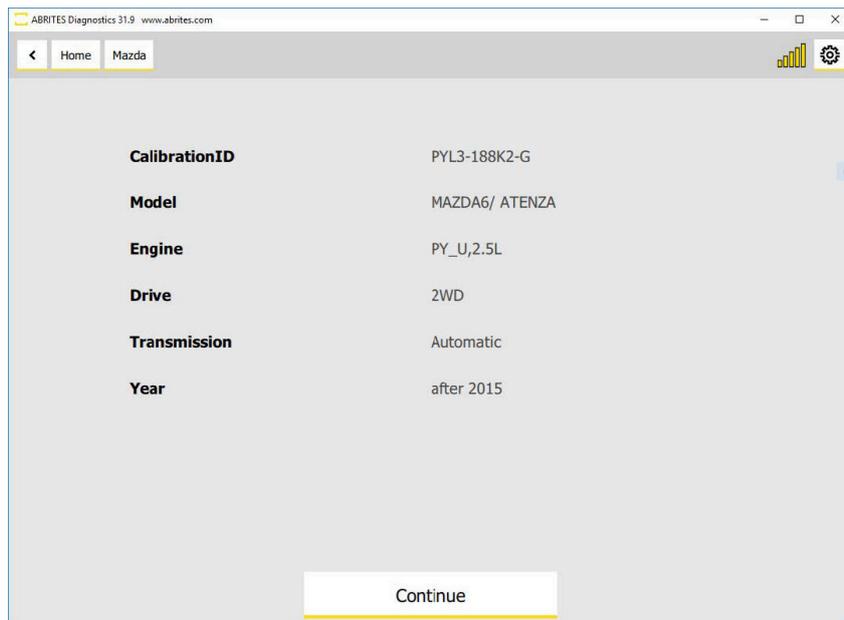




If the vehicle is not detected automatically, that would mean it is a model that is not yet covered, and you would see the following:



If the vehicle is auto-detected and you would see the following window and will be able to continue with the diagnostics session for the car:



Once software has been launched, it will detect all available modules in the car and the DTCs, in the example below the car actually had no faults:

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< Home Mazda Units

Enter Filter

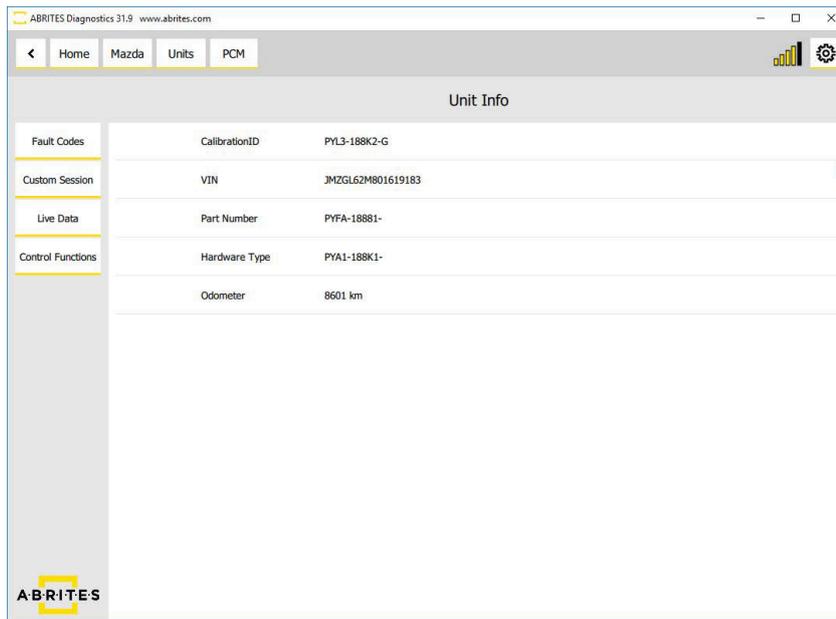
General Diagnostics

Address	Protocol	Acronym	Name	Faults
70E	ISO14229 500kb/s	FSC	Forward Sensing Camera	
728	ISO14229 500kb/s	IC	Instrument Cluster	
72E	ISO14229 500kb/s	F_BCM	Front Body Control Module	
738	ISO14229 500kb/s	EPS	Electronic-Controlled Power Steering	
739	ISO14229 500kb/s	SSU	Start Stop Unit	
73B	ISO14229 125kb/s	EATC	Electronic Air Temperature Controller	
73C	ISO14229 500kb/s	AFS/ALM	Adaptive Front Lighting System / Auto Leveling Module	
73E	ISO14229 125kb/s	FSM_MZ	Parking Sensor Module	
73F	ISO14229 500kb/s	RCM	Restraint Control Module	
74C	ISO14229 500kb/s	DSM	Driver's Seat Module	
74E	ISO14229 500kb/s	DCDC	DC to DC Converter Control Module	
75E	ISO14229 500kb/s	EPB	Electronic Parking Brake	
768	ISO14229 500kb/s	ABS	Antilock braking system	
76C	ISO14229 500kb/s	SBS/MRCC	Smart Brake Support/Mazda Radar Cruise Control	

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Once a unit is opened, you will be able to read the fault codes from the “Fault Codes” button, clear the DTCs, open custom sessions, monitor live data, etc.

Entering each of these modules will show you fault codes if such are present and also, live values (if available) as well as all the identifications and extended IDs of the module.



Here is an example with the live data:

