



ABRITES ATC 01 Vehicle Diagnostic Interface User Manual

[Home](#) » [ABRITES](#) » ABRITES ATC 01 Vehicle Diagnostic Interface User Manual 



**ABRITES DIAGNOSTICS
FOR VAG ONLINE**



User manual

version 33.5

Contents

- [1 Important notes](#)
- [2 Warranty](#)
- [3 Copyright information](#)
- [4 Safety information](#)
- [5 List of revisions](#)
- [6 Introduction](#)
- [7 Installation](#)
- [8 Using the Abrites diagnostics for VAG Online](#)
 - [8.1 General Diagnostics](#)
- [9 Special Functions](#)
 - [9.1 Special function “Unlock BCM2”](#)
- [10 Documents / Resources](#)
- [11 Related Posts](#)

Important notes

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
- Service Intervals

- Configuration and coding
- DSG Mileage Calibration
- MMI Functions

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Warranty

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 a 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 a natural disaster, misuse, improper use, unusual use, negligence, failure to observe the instructions for use issued by Abrites, modifications of the device, or 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 thunderstorm, the warranty does not apply. Each warranty claim is inspected individually by our team and the decision is based on thorough case consideration.

Read the full hardware warranty terms on our website.

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- Abrites assumes no responsibility for any damage resulting from the use, misuse, or negligent use of the hardware or any software application.

Safety information

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 Abrites Support Team by email at support@abrites.com.

List of revisions

Date	Chapter	Description	Revision
29.04.2022	ALL	Document created.	1

Introduction

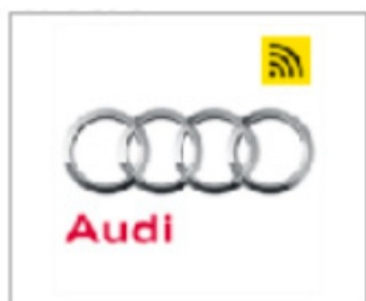
“ABRITES Diagnostics for VAG ONLINE” is one of the latest Abrites developments in terms of VAG diagnostics. With the help of this tool you can perform reading and clearing of diagnostic trouble codes as well as operations unsupported by other diagnostic tools with the electronic modules inside the vehicle such as replacement and coding of control units, programming keys, as well as mileage calibration.

The functionality of your software depends on the purchased licenses for your interface. Please check the “License Viewer” installed on your computer for your unique interface ID number.

Installation

The “ABRITES Diagnostics for VAG ONLINE” is installed together with the rest of the Abrites diagnostic software applications when the installation files are received.

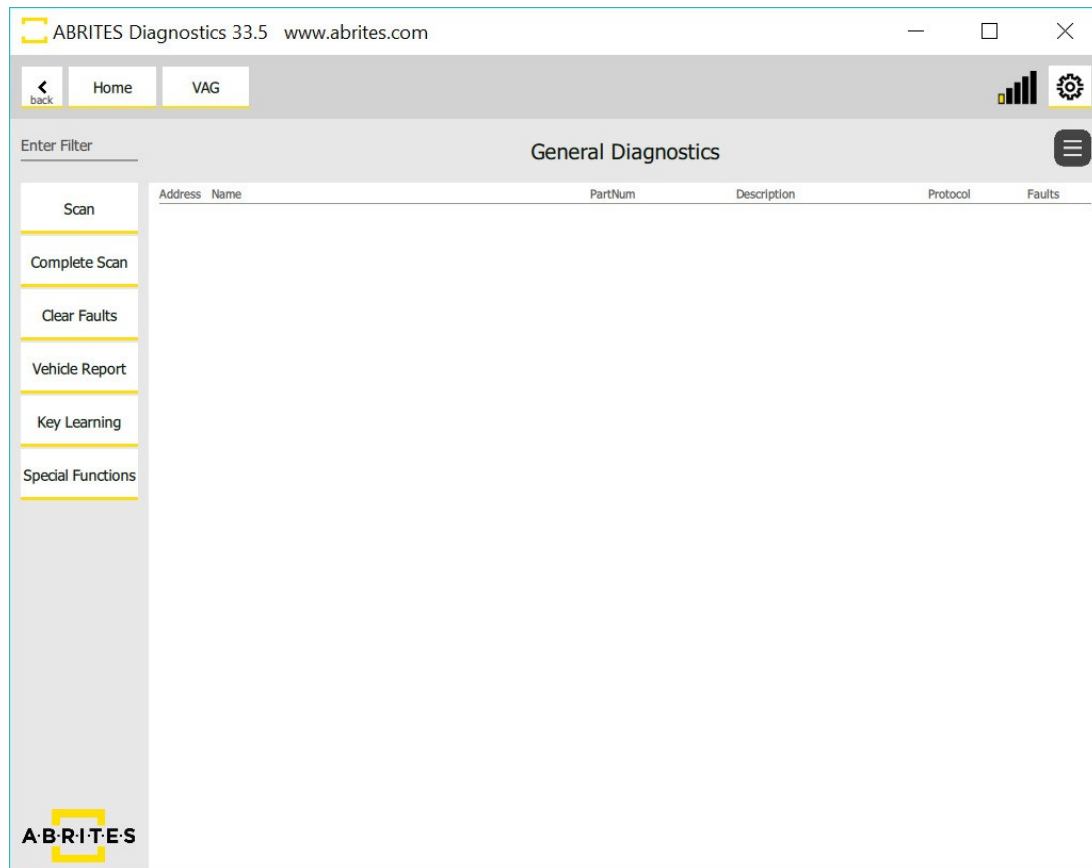
You could easily identify and access it by entering the Audi, Volkswagen or Skoda buttons with the Internet connectivity symbol as shown below:



Using the Abrites diagnostics for VAG Online

When starting the software it is recommended to have the vehicle connected to an external power source in order to be sure that the vehicle does not lose power during the time spent working on it. When the software is started the vehicle will be automatically detected and General Diagnostics screen will be displayed and the scanning of the modules will automatically start.

General Diagnostics



Special Functions

The Special Functions section in the Abrites Diagnostics for VAG ONLINE offers the following options:

- Video In Motion
- MMI Functions
- Wireless Car Play/Google Auto
- DSG Mileage Calibration
- Key Learning for EZS-Kessy, BCM2, MQB and Immo 3/4 vehicles.
- Service Intervals
- Unlock BCM2

Special function “Unlock BCM2”

The “Unlock BCM2” functionality is available with VN020 and included in VN003.

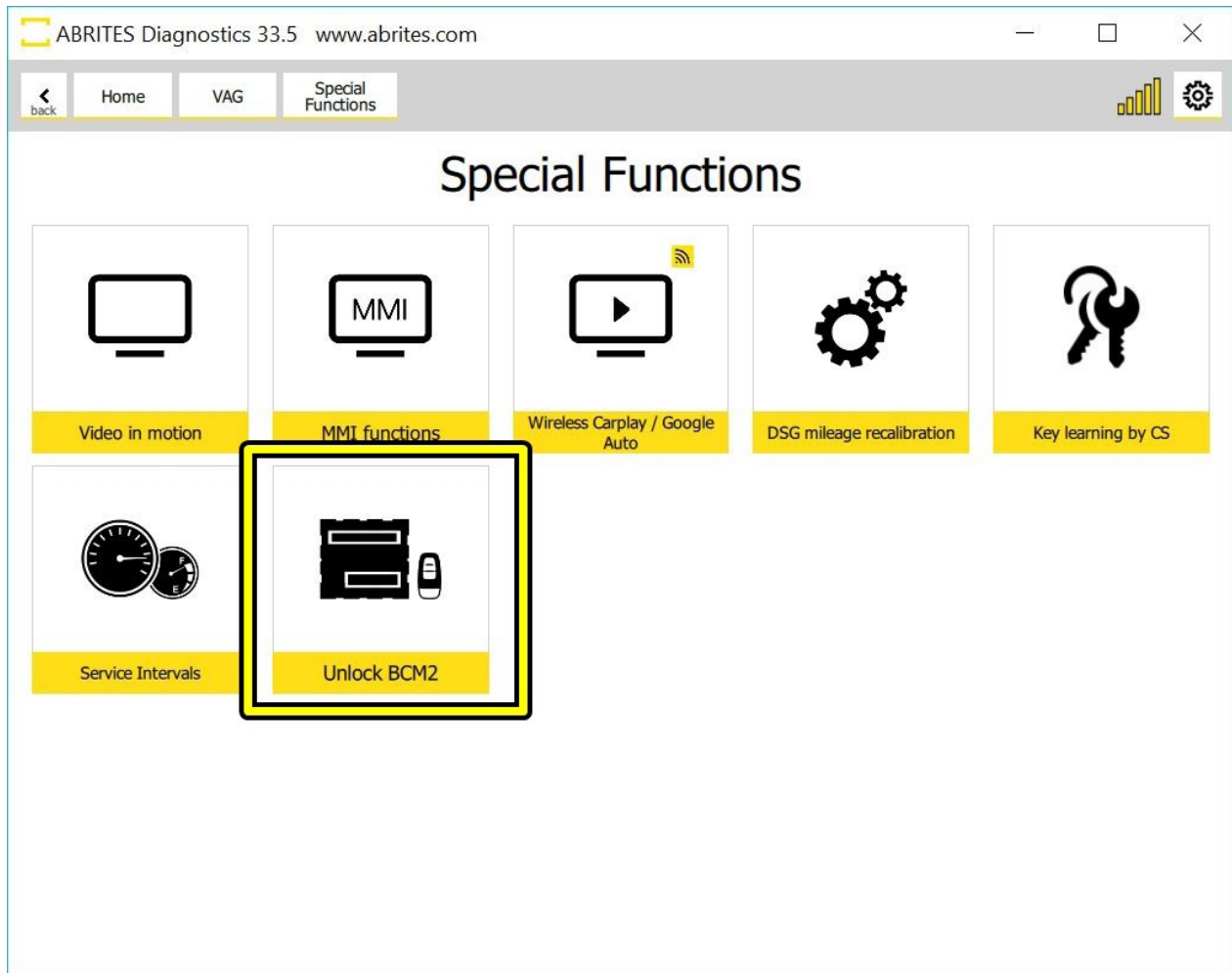
With the VN020 you can:

- read the component security (CS) bytes from locked BCM2 modules 2013-2018
- (for both A4/A5/Q5 and A6/A7/A8/Touareg platforms)
- use the CS bytes for key programming
- A4/A5/Q5 vehicles 2008-2016 – all keys lost
- A6/A7/A8/Touareg vehicles 2010-2018 – adding spare key (and all key lost programming, if CS of ECU/TCU

can be read)

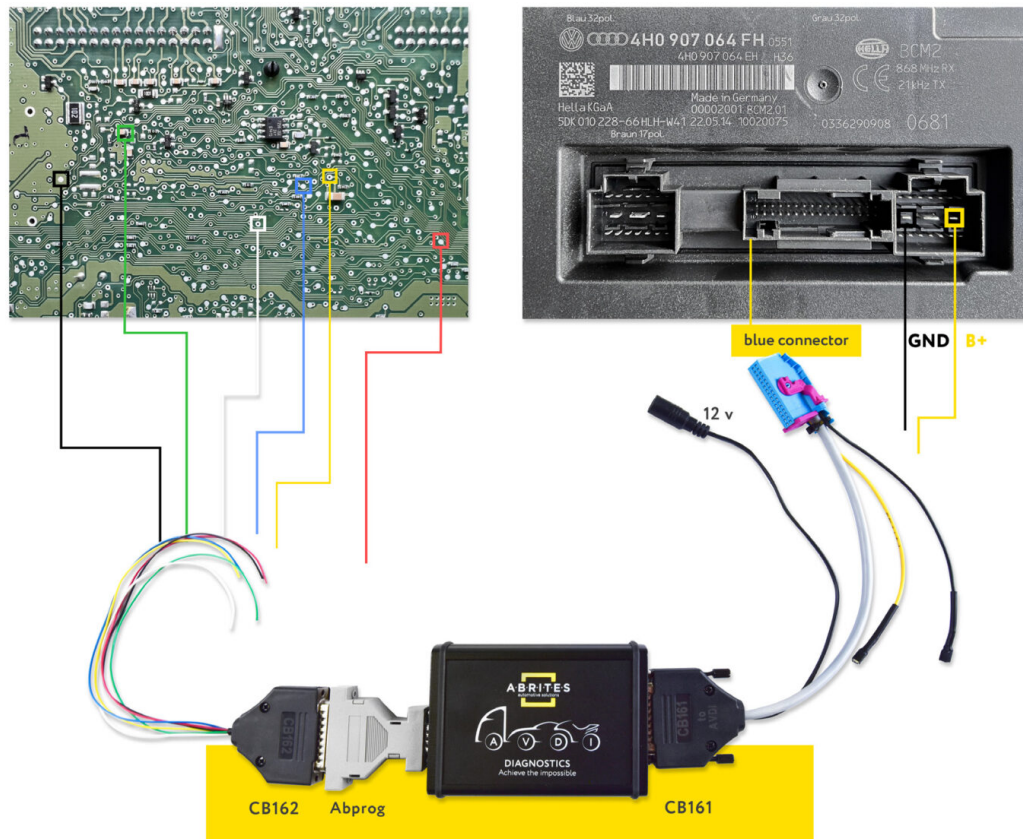
The functionality requires the user to use the ABPROG, CB162 together with the CB161 cables. CB161 requires a power adapter to be used in order to supply the BCM2 unit with +12V. The ZN063 12V/1A DC Power adapter can also be used as power supply (any other power adapter with the proper connector is also applicable).

To start the procedure, you need to click the following button under the Special Functions menu and follow what the software instructions:



The procedure requires the BCM2 unit to be disconnected from the car. The following diagram can be used when connecting the BCM2 unit to your AVDI interface:

BCM2



The procedure for unlocking the BCM2 unit and programming keys consists of the following steps:

1. Once you have connected the cables required to your AVDI and the BCM2 unit and have supplied power, click the “Unlock BCM2” button from the Special Functions menu
2. Click “Read Data”
3. You will be prompted to make sure you have connected the ABPROG where you will have to confirm with “OK”
4. The software will unlock the BCM2 unit, the process takes about 5 minutes.
5. You will see a message that the BCM2 unit has been successfully read and that the ABPROG wiring can be removed and the BCM2 installed in the car.
6. If you wish to program a key, you need to connect a PROTAG programmer and click the “OK” button to proceed.

Note: All keys lost on Audi A4/A5/Q5 can be done by making a dealer key by pressing the “Make a dealer key” button, followed by “Learn key(s)”.
All keys lost on Audi A6/A7/A8/Touareg is possible if the CS of the ECU/TCU could be read.

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Documents / Resources



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ATC 01 Vehicle Diagnostic Interface, ATC 01, Vehicle Diagnostic Interface