



# AVDI SOFTWARE

included in the Annual Subscription



#### ABRITES LTD

☎ +359 2 955 04 56  
✉ [info@abrites.com](mailto:info@abrites.com)

#### ABRITES ITALY SRL

☎ +39 041 405 048  
✉ [vendite@abrites.it](mailto:vendite@abrites.it)

#### ABRITES FRANCE SAS

☎ +33 1 485 568 22  
✉ [contact-fr@abrites.com](mailto:contact-fr@abrites.com)

#### ABRITES USA LLC

☎ +1 (786) 999 9685  
✉ [sales@abrites.us](mailto:sales@abrites.us)

[www.abrites.com](http://www.abrites.com)

# AVDI SOFTWARE

included in the Annual Subscription

The AVDI (Abrates Vehicle Diagnostics Interface), combined with the Annual Subscription, offers a comprehensive suite of functionalities essential for professional locksmiths and automotive technicians.

This powerful premium tool provides advanced capabilities such as key programming, module adaptation, ECU programming and coding for various vehicle makes and models. Fully customizable, the AVDI can be upgraded with additional software licenses tailored to your specific needs and area of expertise.

## General Diagnostics

- Complete vehicle diagnostic scan for all supported car brands
- Read and clear diagnostic trouble codes (DTC)
- Display live values from the modules of the vehicle
- Perform Input/Output actuator tests
- Service interval reset

## PassThru compatibility

- J2534 PassThru driver compatible with the international SAE standards
- Emulation of different interface units to access 3rd party software products and original equipment manufacturer software products such as VW/Audi/Seat/Skoda/Bentley/Lamborghini ODIS, Toyota/Lexus/Scion Techstream, DAS/Xentry – Star Diagnosis, BMW - E-Sys, INPA, EDIABAS, NCS Expert, NFS and many others

Included licenses: PT002



**Explore and enhance your AVDI**  
by browsing the available upgrades  
in our online store!





# MERCEDES-BENZ

## VEHICLES



### INCLUDED LICENSES:

MN002	MN005	MN008	MN011	MN014	MN017	MN020	MN023	MN026
MN003	MN006	MN009	MN012	MN015	MN018	MN021	MN024	MN028
MN004	MN007	MN010	MN013	MN016	MN019	MN022	MN025	



### Key Programming

- All keys lost and spare key programming and EZS password extraction for all DAS3/FBS3 Mercedes-Benz vehicles via OBDII (e.g. W204/W207/W212/W218/W220/W221/W176/W164 and others)
- All keys lost programming and EZS password extraction for all DAS 2/ DAS 2a/ DAS 2b Mercedes-Benz vehicles by dump from IFZ/WSP and via OBDII (e.g. W168/W163/W202 and others)
- Enable and Disable key positions



### Module Adaptations

- Service password reading used for making all DAS-related modules virgin
- Adaptation/Personalization and Activation of all DAS/FBS modules - Read/Save/Update/Transfer FBS Data
- Make each DAS/FBS module virgin



### Advanced Coding

- Read/Save/Update/Transfer Coding (the only way to avoid online SCN coding)
- SCN coding via OBDII
- CPC modifications via OBDII – VMAX limiter removal, Exhaust flaps adjustment, Torque limiter adjustment via OBDII
- Enable Video in Motion via OBDII
- Mercedes-Benz eVito Speed Limit calibration via OBDII



## Dashboard Calibration

- Cluster recalibration for vehicles via OBDII (up to 2014)



## Clear Crash Data

- Airbag - Clear crash data from Bosch / Temic / TRW airbags via OBDII (up to 2010)



## Service Functions

- ESL and 7G Tronic Reset via OBDII
- ASSYST and ASSYST PLUS
- SBC Counter reset via OBDII

## FOR OPTIMAL UTILIZATION

OF THE BASE SOFTWARE

### MERCEDES-BENZ VEHICLES



ZN151 - Abrites Distribution Box



ZN003 PROTAG programmer V2 with TA31



ZN076 IR adapter



ZN030 Abrites ABPROG programmer







# TOYOTA/LEXUS/SCION VEHICLES



## INCLUDED LICENSES:

TN004, TN005, TN006, TN007, TN008, TN010

### **Key Programming**

- All keys lost programming for all vehicles up to 2018 (G-type and H- type mechanical and smart keys) via OBDII
- Smart system reset
  - All smart systems (up to 2018)
  - Smart systems in US vehicles (2019+) with selective address “AA” (e.g. Avalon 2018+ AA DST-AES, RAV4 2018+ AA DST- AES, Corolla 2018+ AA HT-AES, Mirai 2020+ AA DST-AES)
- Emergency Start via OBDII (vehicles with smart systems up to 2018)
- Master Key emulation using our ZN039-2 Transponder emulator
- Cloning of ID67, ID68, ID70 and Texas fixed transponders
- Immobilizer bypass
- Reset by dump of immobilizers and smart systems with Texas DST-128 keys
- Key preparation by dump

### **Module Adaptations**

- ID-box reset for vehicles up to 2018

### **Reading/Updating ECU data**

- ECU flasher for EDC15 and EDC16 Engine Control Units
- ECU memory manager – reading of flash memory/EEPROM of Engine Control Units produced by BOSCH (1ND-TV 1.4 D4D, 4ZZ-FE 1.4, 1KR-FE 1.0, 1NR-FE 1.33, 1SZ-FE 1.0). For ECM types 1ND-TV flash programming is also available
- ECU virgin



## Clear crash data

- SRS (airbag) crash data reset



## Dashboard Calibration

- Cluster recalibration for Toyota vehicles with VDO/Continental dashboard with microcontroller 70F35xx (Auris 2 (2016+), Avensis (2016+), CH-R, Corolla (2016-2019), Tacoma and others)

## FOR OPTIMAL UTILIZATION

### OF THE BASE SOFTWARE

#### TOYOTA VEHICLES



ZN003 PROTAG programmer V2 with TA31



ZN069 Toyota mechanical key (H-type) adapter set



ZN039-2 Toyota Transponder Emulator



TA36 Abrites DST 40bit/DST+ 80bit Electronic key head



TA68 Abrites DST-AES transponder emulator



TA64 Abrites HITAG-AES transponder emulator





# RENAULT VEHICLES



## INCLUDED LICENSES:

RR002, RR003, RR005, RR006, RR007, RR008, RR010, RR012, RR015, KT004

### **Key Programming**

- All keys lost programming for vehicles up to 2014 via OBDII
- All keys lost programming for Renault Clio IV via OBDII (up to 2014 before facelift)
- Spare key programming for Renault Twingo III/Smart 453 via OBDII

## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### RENAULT VEHICLES



ZN003 PROTAG programmer V2 with TA31

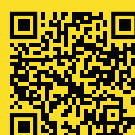


ZN037 Renault CAN adapter



ZN047 Field Detector Renault card 125 kHz

N.B. If you would like to upgrade the functionality  
of your AVDI with additional (paid) licenses for  
RENAULT Vehicles





# JAGUAR/LAND ROVER (JLR) VEHICLES



## INCLUDED LICENSES:

JL002, JL003, JL004, JL005



### Key Programming

- All keys lost programming for all vehicles with unlocked KVM (DPLA, FK72, HPLA) via OBDII (up to 2018) (e.g. Land Rover Discovery, Defender, Freelander, Range Rover; Jaguar F-type, XF, XJ and others)
- All keys lost, remote and keyless programming for all Jaguar and Land Rover vehicles with locked RFA produced between 2018 and 2020 (JPLA) via OBDII



### Cluster Recalibration

- Cluster recalibration for all vehicles up to 2014 via OBDII

## FOR OPTIMAL UTILIZATION

OF THE BASE SOFTWARE

### JAGUAR/LAND ROVER VEHICLES



ZN003 PROTAG programmer V2 with TA31



CB012 Direct CAN-BUS Connection Cable Set



TA66 Abrites Key for 2018+ JLR vehicles (433 MHz)



TA67 Abrites Key for 2018+ JLR vehicles (315 MHz)



# BMW/MINI VEHICLES



## INCLUDED LICENSES:

BN002, BN003, BN004, BN006, BN007, BN008

### **Key Programming**

- EWS1/EWS2 key programming by EWS dump
- All keys lost and spare key programming for CAS1 and CAS2
- All keys lost\* and spare key programming for CAS3/CAS3+ (All E- series vehicles)

\*BN012 license is required in case the DME/DDE needs to be reflashed when all keys are lost

### **Service Functions**

- Entering and exiting transport mode, Service interval reset
- DPF Replacement, DPF Regeneration
- FRM short circuit reset
- Smooth running DME/ DDE setup
- EGS adaptation reset for ZF 8HP and 6HP
- Enabling parking brake workshop mode
- Injector calibration
- Starting Torque adjustment and others

## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### BMW/MINI VEHICLES



ZN003 PROTAG programmer V2 with TA31



ZN049 Adapter for connection with K-Line BMW vehicles (PassThru ONLY)



ZN030 ABPROG Programmer Set with Software Activation

N.B. If you would like to upgrade the functionality of your AVDI with additional (paid) licenses for BMW/MINI Vehicles





**VAG**  
VEHICLES

## INCLUDED LICENSES:

VN001	VN004	VN006	VN012	VN015	VN018
VN003	VN005	VN010	VN013	VN016	

## Key Programming

- All keys lost and spare key programming for VW/Audi/Seat/Skoda/ Lamborghini/Bentley
  - Immo 1 and 2 vehicles (1996-2003) - Supported models: Audi A4/A6/A8, Seat Ibiza/Leon/Toledo, Skoda Octavia/Fabia, VW Polo/Golf/Beetle/Passat and all others
  - Immo 2 and 3 vehicles (2001-2008) Supported models: VW Golf IV/Audi A4 with RB4 dashboard (2001-2004) and RB8 dashboard (2004-2008), Bentley Continental and all others
  - Immo 3 and 3+ vehicles (2003-2014) Supported models: Passat B6/CC, Audi A3 until 2012, VW Touareg/Phaeton, Bentley Continental and all others
  - Immo 4 vehicles Supported models: Audi A1, Golf V/VI, Audi A6/Q7 with EZS-Kessy and all others
  - Immo 5 vehicles (2009-2018) Supported models: Audi A4/A5/Q5/SQ5 with BCM2 immobilizer (spare key programming for models up to 2018 and all keys lost programming up to 2013), Audi A6/A7/A8 (spare key programming for models up to 2018), VW Touareg with BCM2 immobilizer (spare key programming for models up to 2018)
- Remote control adaptation

## Module Adaptations

- Module adaptation for all Immo 3/Immo 3+ vehicles (dashboard/immobilizer)
- Steering Lock adaptation for Touareg/Cayenne/A8 (2003-2010)



## Dashboard Calibration

- K-line Instrument clusters (KWP1281 or KWP2000)
  - Instrument Cluster (VD066, VDO86, Motometer)
  - Audi A4 B5
  - Audi A8
  - Instrument clusters produced by Magneti Marelli
  - Audi A4 and Golf IV RB4 and RB8 CRYPTO
  - VW Phaeton/Touareg, Bentley Continental, Porsche Cayenne
  - Lamborghini Gallardo
  - Others
- CAN Instrument clusters (KWP2000 over TP2.0 or UDS)
  - VDO/Micronas/Visteon -2007 (CAN TP2.0)
  - VDO with NEC processor 2009+ (CAN UDS)
  - Johnson Controls (JCI) with NEC processor and 95320 EEPROM (CAN UDS)
  - Magneti Marelli with 9S12 processor (CAN UDS)
  - A8(4H)/A7(4G)/A6(4G)/Touareg (7P) with 95320 memory (CAN UDS)
- Repair DEF error for Audi A4 BOSCH RB8 CRYPTO 2004+and Instrument Cluster Audi A4 BOSCH RB4 CRYPTO 2001+
- DSG recalibration – used for resetting the working hours in the DSG transmission control units produced before 2008



## Reading/Updating ECU Data

- Software update of modules with FRF/SGO files
- Read/Write EDC16 Flash and update Flash counters
- DPF OFF for EDC16 and EDC17 Engine Control Units
- Immo 3/4 ECU authorization - used for emergency start and ECU reflashing with FRF/SGO files (no working key is required for the authorization)
- PIN and CS extraction from 9GV ECU used for all keys lost programming and ECU adaptation

## </> Advanced Coding

- Enable/disable cruise control, change language, enable/disable Start/Stop system, change Startup animation, enable Lap timer and many others for A6/A7/A8 and many others

## **Diagnostics**

- Calibrations (e.g., steering angle calibration)
- Short coding calculator with short coding helper
- Adaptations for all VAG UDS models
- Basic settings - access to all available basic settings for each module for all VAG UDS models (e.g. autoleveling headlights calibration, trunk calibration, DSG Clutch Kiss points calibration, Bleed brakes, Steering angle sensor, AC flap motors and many others)
- Long coding options – read/change all long coding parameters for all VAG UDS models
- Wireless CarPlay/GoogleAuto configuration for all VAG UDS models
- Program Flash database (.FRF and .SGO files) available for reprogramming and updating different electronic control units such as ECU, TCU, gateway, multimedia, etc.

## **FOR OPTIMAL UTILIZATION** OF THE BASE SOFTWARE

### **VAG VEHICLES**



ZN003 PROTAG programmer V2 with TA31



ZN053 AVDI Extractor Cable



ZN151 Distribution Box



ZN054 Extention cable set for direct CAN connection for VAG



ZN059 VAG VDO cluster adapter



ZN060 VAG Micronas (new-style connector) cluster adapter



ZN061 VAG Micronas (old-style connector) cluster adapter



ZN080 BCM2 Solder-free Connection Set



ZN052 Cable set for adapting immo parts





# SMART VEHICLES



## INCLUDED LICENSES:

MN008, MN009, MN012, MN014, RR015

### **Key Programming**

- All keys lost programming for SMART 450, 451, 452, 454 via OBDII
- Spare Key programming for SMART 453/ Renault Twingo III via OBDII
- Emergency start via OBDII – SMART 451, 454

### **Dashboard Calibration**

- Dashboard calibration in SAM module via OBDII
- Cluster recalibration via OBDII

### **Module Adaptations**

- Gearbox adaptation via OBDII
- Reflashing and renewal of SAM/ZE via OBDII
- SAM/ECM synchronization via OBDII

### **Advanced Coding**

- SOFTOUCH activation - switching from semi-automatic to automatic transmission
- Cruise control activation via OBDII

## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### SMART VEHICLES



ZN003 PROTAG programmer V2 with TA31

N.B. If you would like to upgrade the functionality of your AVDI with additional (paid) licenses for SMART Vehicles



# PEUGEOT/CITROEN (PSA) VEHICLES



## **Service functions**

- BSI functions - Service interval reset
- BSI functions - Clear faults log
- BSI functions - Verify/set PIN
- BSI functions - Virginize

## **Clear crash data**

- Airbag - Clear crash data in some Airbag modules by dump

## **VIN Calibration**

- Change ID in BSI, Telematics, Airbag, MDS





# FORD/MAZDA VEHICLES



## INCLUDED LICENSES:

FR004, FR005, FR006, FR007, FR008, FR009, MZ001, MZ002

### **Key Programming**

- All keys lost and spare key programming for all Ford, Mazda, Lincoln, and Mercury vehicles up to 2022
  - Ford: Transit 2022, Fiesta, Focus, Kuga, Fusion, Puma, Ranger, Mondeo, Edge, Escape, Expedition, Mustang, EcoSport, New KA, Falcon, Everest and others
  - Lincoln: Aviator, Blackwood, Corsair 2020+, LS, Nautilus, Navigator, Zephyr, Mercury and others
  - Mercury: Grand Marquis, Mariner, Milan, Freestar, Monterey, Sable and others
  - Mazda: 2 and 3 up to 2019, 5, 6, Bongo, CX-3, CX-5, CX-7, CX-9, MX-5, RX-8
  - Mazda: 3 2020+, CX-30 2020+
- Incode calculator

### **Dashboard Calibration**

- Cluster recalibration for all Ford and Mazda vehicles up to 2017

### **Reading/Updating ECU data**

- Speed Limiter modification
- DPF regeneration
- ECU exchange for various models of Ford and Mazda

## </> **Advanced Coding**

- Central Car Configuration (CCC) modification

## **Clear Crash Data**

- Airbag Clear Crash and Renew functionality

## **Module Adaptations**

- Mazda: 3 2020+, CX-30 2020+ and the related models

## **FOR OPTIMAL UTILIZATION** OF THE BASE SOFTWARE

### **FORD/MAZDA VEHICLES**



ZN003 PROTAG programmer V2 with TA31



J1850 SAE J1850 adapter for AVDI





# SUZUKI VEHICLES



## **Key Programming**

- Suzuki Grand Vitara and Swift (2005-2008)



# HONDA VEHICLES



## **Key Programming**

- All keys lost and spare key programming for all vehicles up to 2022 via OBDII

## **FOR OPTIMAL UTILIZATION** OF THE BASE SOFTWARE

### **HONDA VEHICLES**



ZN003 PROTAG programmer V2 with TA31



ZN056 Honda K-Line adapter



# TESLA

## VEHICLES



## INCLUDED LICENSES:

TS001, TS002



### Key Programming

- All keys lost and spare key programming for Tesla Model S via OBDII



### Module Adaptations

- Bosch - Airbag exchange



### Reading/Updating EEPROM/MCU data

- Read/update data in the module (modify EEPROM)



### Clear Crash Data

- Airbag - clear crash data (Model S/X and Model 3)



### VIN Calibration

- Change VIN



### Service Functions

- Entering the parking brake in service mode, IBST VIN learn and reset, Test pedal offset, Dim central, left, or right mirrors, Head Lamp communication test, HOMELINK communication test, Window calibration on all doors, NFC amplitude reading, Front left and Rear right brake bleed, Front right and Rear left brake bleed, Thermal Coolant Air Purge, Thermal Fill Drain, Steering Column Calibration, 12V Reset and many others
- Showing diagnostic alerts

## FOR OPTIMAL UTILIZATION

OF THE BASE SOFTWARE

### TESLA VEHICLES



ZN087 Cable set for Tesla Model S/X and Model 3



# FIAT CHRYSLER AUTOMOBILES (FCA) VEHICLES



## INCLUDED LICENSES:

FN002	FN006	FN008	FN011	FN013	FN016	CR005
FN005	FN007	FN009	FN012	FN014	FN017	CR007



## Key Programming

- All keys lost and spare key programming, and transponder preparation for the following vehicles via OBDII:
  - Fiat: Stilo, Punto, Palio, Panda, Idea, 500, 500L, 500X (metal bladed keys), Doblo, Qubo, Fiorino, Ducato (up to 2019)
  - Alfa Romeo: 147, GT, MiTo, Giulietta, 159, Brera
  - Jeep: Compass, Grand Cherokee, Wrangler (up to 2019)
  - Dodge: Challenger, Charger, Viper, RAM (up to 2019)
  - Ferrari: 612, FF, 599, F12, 458, California (metal bladed keys)



## Module Adaptations

- BCM read/update of Configuration Data via OBDII



## Dashboard Calibration

- Cluster recalibration for Fiat, Chrysler, Jeep, Grand Cherokee, Lancia, Maserati, and RAM vehicles via OBDII (up to 2022) (e.g. models such as Jeep Wrangler (JL) 2018+, Jeep Gladiator (JT) 2020+, Maserati Levante, Jeep Grand Cherokee (WK2) 2011-2022, Dodge RAM (DT) 2019+ and many others)
- Read/Update Cluster Configuration Data (used for replacing instrument cluster to avoid data mismatching)



## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### FCA VEHICLES



ZN003 PROTAG programmer V2 with TA31

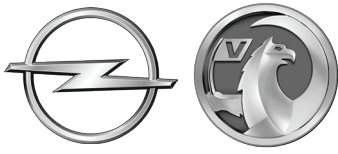


ZN038 Fiat/Chrysler CAN adapter



J1850 SAE J1850 adapter for AVDI





# OPEL / VAUXHALL / GENERAL MOTORS VEHICLES



## INCLUDED LICENSES:

ON006, ON007, ON010



### Reading/Updating ECU data

- Read and Update flash, and modification of the Operational memory and maps of Delphi Delco, Denso, Magneti Marelli, Siemens and Bosch ECUs via OBDII



### Module Adaptations

- Security code programming
- CAN configuration and programming – injector programming, programming of immobilizers and others



### VIN Calibration

- ID (VIN) programming

N.B. If you would like to upgrade the functionality of your AVDI with additional (paid) licenses for OPEL/VAUXHALL/GENERAL MOTORS Vehicles





# PORSCHE VEHICLES



## INCLUDED LICENSES:

KT012



### Key Programming

- All keys lost and spare key programming by dump from the front BCM (9S12 Motorola MCU) for Porsche models via OBDII (Panamera (970) 2010+, Cayenne (92A) 2011+, Boxster (981) 2012+, Cayman (981) 2012+, 911 (991) 2012+, Macan 2014+)



### Advanced Coding

- Change ID in various modules



### Module Adaptations

- Used for adaptation of various components/modules

## FOR OPTIMAL UTILIZATION

OF THE BASE SOFTWARE

### PORSCHE VEHICLES



ZN003 PROTAG programmer V2 with TA31





# HYUNDAI/KIA VEHICLES



## INCLUDED LICENSES:

HK003, HK005, HK007



### Dashboard Calibration

- Cluster recalibration, read/update internal configuration data of the instrument clusters via OBDII (2011-2013 vehicles)
- Cluster calibration for instrument clusters with 93c56 EEPROM (2004-2008) - Accent, Vera Cruz, H1 and others



### Reading/Updating ECU data

- Calibration in EDC15 via OBDII
- Read/Update Configuration data and Flash in EDC15 (which is also the Immobilizer)

N.B. If you would like to upgrade the functionality of your AVDI with additional (paid) licenses for HYUNDAI/KIA Vehicles





# VOLVO

## VEHICLES



## INCLUDED LICENSES:

VL003, VL004



### Key Programming

- All keys lost and spare key programming for Volvo vehicles with Hitag2 keys via OBDII (Volvo V40 / V40 Cross Country (up to 2016), V60 / V60 Cross Country (up to 2018), V70 (up to 2016), S60 / S60 Cross Country (up to 2018), S80 (up to 2016), S80 (up to 2016), XC60 (up to 2017), XC70 (up to 2017))

\*The vehicles must be equipped with the following Delphi CEM modules: 6G9T-14c256, 7G9T-14c256, AG9T-14c256, BG9T-14c256, CG9T-14c256



### Dashboard Calibration

- Cluster recalibration and CEM calibration via OBDII (Volvo S40, V40 (up to 2016), V50, S60 (up to 2018), S80 (up to 2016), V70 (up to 2016), XC60 (up to 2017), XC70 (up to 2017), XC90 (up to 2015))
- Read/Update Cluster Configuration data (used for replacement of the cluster)

### </> Advanced Coding

- Read/Update Central Car Configuration





# SUBARU VEHICLES



## INCLUDED LICENSES:

SB001

### **Key Programming**

- All keys lost and spare key programming for vehicles via OBDII (up to 2020)
- Smart system reset for vehicles via OBDII (up to 2020)

### **Module Adaptations**

- Adaptation of both new and used ECU (ECM) and smart ECM

## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### SUBARU VEHICLES



ZN003 PROTAG programmer V2 with TA31



TA41 Subaru DST-AES Emulator



ZN066 Subaru transponder emulator



TA68 Abrites DST-AES transponder emulator

N.B. If you would like to upgrade the functionality  
of your AVDI with additional (paid) licenses for  
SUBARU Vehicles





# MITSUBISHI VEHICLES



## INCLUDED LICENSES:

MI002, MI003, MI004, MI005, MI006, MI007



### Key Programming

- All keys lost and spare key programming for vehicles with regular and smart keys via OBDII (2005-2016)
- Access to a database with default PIN codes
- Registration/programming of a key by its (chip) ID
- Use .PWF file for key programming (download a security application file (.PWF) from the Mitsubishi site, generated by providing the VIN)
- Remote Control Reception Check (by pressing lock/unlock buttons)



### Module Adaptations

- Steering Lock Unit adaptation
- Reset immobilizer to factory state (performing a factory-state reset of the immobilizer module).  
N.B.! After the procedure is complete, the immobilizer will require adaptation to the ECU as well as key programming (available for some KOS systems - Outlander 2014+, Attrage/Mirage 2014+)
- Key code and VIN Number registration to ECU



### Clear Crash Data

- Airbag - Clear crash data for Bosch and Denso Airbag modules by dump (Mitsubishi Colt, Carisma, Galant, Grandis, L200, Lancer, Outlander, Pajero, Space Wagon, Strada)



### Dashboard Calibration

- Cluster recalibration by dump (Mitsubishi L200, Outlander)



## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### mitsubishi vehicles



ZN003 PROTAG programmer V2 with TA31



# BIKES, SNOWMOBILES, WATER SCOOTERS



## INCLUDED LICENSES:

BK002



### Key Programming

- Aprilia motorcycles
- BMW with EWS4 immobilizers by dump - R1200GS (2013+), C600 Sport/C600 GT (2012+), K1300R (2010+), K1600GT/GTL (2011+), F800GT/GSA (2013+)
- Bikes with MAGNETI MARELLI MIU1/MIU2/MIU4
- BRP models: Ski-Doo, Sea-Doo, Can-Am (2006-2015)
- Gilera motorcycles
- Harley Davidson (for models equipped with HFSM or TSSM)
- Piaggio scooters
- Vespa scooters
- Vehicles with CAN-based BCMs
- Arming and unarming for Harley Davidson motorcycles
- Read/Update PIN Code for Harley Davidson motorcycles



### Reading/Updating ECU data:

- Efi Technology ACII/AC2I/AC5I/AC8I/AC13I/AC21I/AC23I/AC19I/AC20I/AC25I/AC27I/AC32I
- Magneti Marelli ACI100/ACI50x/ACI60x/IAW 15/IAW 5AM/MIU G3/RIU1
- Philips DiTECH



### Reading/Updating EEPROM/MCU data:

- Immobilizers: Magneti Marelli IMM003/ IMM006



## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### BIKES



CB008 BMW Bikes Diagnostic Connector Cable



CB301 Aprilia Bikes Cable



CB302 KTM Bikes Cable



CB303 Benelli Bikes Cable



CB304 Suzuki Bikes Cable (6 pins)



CB305 Harley Davidson Bikes Cable (CAN/K-Line)



CB306 Piaggio Bikes Cable

# **DAF TRUCKS**



## **INCLUDED LICENSES:**

DF002



### **Key Programming**

- All keys lost programming for DAF trucks via OBDII (2002-2023)



## **J1939-COMPLIANT VEHICLES** (BUSES, TRUCKS, HEAVY-DUTY MACHINERY, MARITIME VEHICLES AND OTHERS)



### **Diagnostics:**

- Complete vehicle diagnostic scan
- Read and clear diagnostic trouble codes (DTC)
- Display live values from the modules of the vehicle
- Freeze frame



# ECU PROGRAMMING TOOL



## INCLUDED LICENSES:

EP001, EP003, EP004



### Reading/Updating ECU data:

- Full reading/writing/updating Dflash, Internal/External Pflash, Map Files, and checksum correction of Engine Control Units by bench (direct connection), boot mode and diagnostics (OBDII), as well as Virtual reading of Flash, Maps and Bootloader
  - Bosch EDC17/MED17
  - Delphi
  - Continental/Siemens SIMxx
  - Kefico
- Full reading/writing/updating of Pflash and checksum correction of CPC/CEPC modules by diagnostics (OBDII) and boot mode for Mercedes-Benz and SMART vehicles
  - Delphi CPC2.10/2.20 (CEPC\_MFA)
  - Delphi CPC2.3/2.4 (CEPC)



### Reading/Updating ECU/TCU data

- Full reading/writing/updating Dflash, Pflash, Map Files, and checksum correction of Engine Control Units and Transmission control units by bench
 

- MD/MD1 ECU with SPCxxx and TC2xx	- ZF 8HP TCU
- MG/MG1 ECU with SPCxxx and TC2xx	- DQ381 TCU
- VGSNAG3 9G-tronic TCU	- Getrag 7DCT300 TCU
- VGS2-FDCT TCU	





## FOR OPTIMAL UTILIZATION OF THE BASE SOFTWARE

### ECU PROGRAMMING TOOL



ZN151 Distribution Box



CB023 BMW MD/MG ECU Connection cable



CB030 Mercedes-Benz MD1/MG1 ECU connection cable for FBS4 Manager and ECU Programming Tool



ZN074 ECU reading set



ZN079 ZF 8HP TCU Connection Cable



CB403 DS-BOX Extended Cable Set for direct connection with various Automotive/Truck modules on Bench work





# ABRITES TOOLBOX



## </> **Advanced Coding**

- Security access calculator for Mercedes-Benz vehicles – seed-key calculator.  
Example: unlocking of Instrument Cluster for programming and coding purposes; unlocking the firewall to enable diagnostics and many others.



## **Reading/Updating EEPROM/MCU data**

- Heavy-duty master control module (MCM) and Adblue control module (ACM) modifications – checksum correction of EEPROM data in MCM, MCM2.XX control units and ACM (used for modification of data such as mileage and working hours of heavy-duty vehicles, equipped with MCM/ACM).



## **Reading/Updating ECU data**

- Immo off by dump – used for disabling the immobilizer in EDC17/MED17 ECUs.



N.B. If you would like to download  
the Abrites Toolbox

# Achieve the impossible



## **HEAD OFFICE**

147 Cherni Vrah Blvd.  
1407, Sofia Bulgaria  
[info@abrites.com](mailto:info@abrites.com)

**[www.abrites.com](http://www.abrites.com)**

All rights reserved 2025 ©