A·B·R·I·T·E·S
automotive solutions

AVDI SOFTWARE

included in the Annual Subscription

ABRITES LTD
+359 2 955 04 56
sales@abrites.com

ABRITES ITALY SRL
+39 041 405 048
vendite@abrites.it

ABRITES FRANCE SAS
+33 1 485 568 22
contact-fr@abrites.com

ABRITES USA LLC
+1 (786) 999 9685
sales@abrites.us

www.abrites.com

AVDI SOFTWARE

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The AVDI (Abrites Vehicle Diagnostics Interface), combined with the Annual Subsciption, 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
- NOx Limit Counter/AdBlue Reset for Mercedes-Benz commercial vehicles

FOR OPTIMAL UTILIZATION
OF THE BASE SOFTWARE

MERCEDES-BENZ VEHICLES	
	ZN151 - Abrites Distribution Box
	ZN103 PROTAG programmer V2 with TA31
	ZN076 IR adapter
	ZN130 Abrites ABPROG programmer

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

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	
	ZN103 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

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

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	
	ZN103 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

Vehicle configuration

- UWB (Ultra-Wideband) configuration change – switch UWB ON or OFF
- Central Configuration File (CCF) reading and writing

FOR OPTIMAL UTILIZATION
OF THE BASE SOFTWARE

JAGUAR/LAND ROVER VEHICLES	
	ZN103 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)

N.B. If you would like to upgrade the functionality of your AVDI with additional (paid) licenses for JAGUAR/LAND ROVER (JLR) Vehicles

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	
	ZN103 PROTAG programmer V2 with TA31
	ZN049 Adapter for connection with K-Line BMW vehicles (PassThru ONLY)
	ZN130 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	VN009	VN012	VN015	VN018
VN003	VN005	VN007	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)
  - For MQB vehicles (2012 - 2016)
- 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
  - MQB vehicles (2012-2016)
- 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	
	ZN103 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

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

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
ZN103 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

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

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
- External Outcode/Incode calculator support for key learning

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
- AdBlue Inducement Reset
- Speed limiter for Ford models up to 2024
- PATS initialisation support for Bosch MD1 ,MG1 and SID212EVO ECUs

Advanced Coding

- Central Car Configuration (CCC) modification
- Raw coding functionality

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	
	ZN103 PROTAG programmer V2 with TA31
	J1850 SAE J1850 adapter for AVDI

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

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	
	ZN103 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 (keyless), 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	
	ZN103 PROTAG programmer V2 with TA31
	ZN038 Fiat/Chrysler CAN adapter
	J1850 SAE J1850 adapter for AVDI

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

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
ZN103 PROTAG programmer V2 with TA31

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

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	
	ZN103 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

ZN103 PROTAG programmer V2 with TA31

MCLAREN
VEHICLES

Advanced Diagnostics

- Complete vehicle scan
- Read and clear Diagnostic Trouble Codes (DTCs)
- Unit information display
- Live data monitoring

SUPPORTED VEHICLES:

- McLaren MP4-12C
- McLaren 540C
- McLaren 570S
- McLaren 600LT
- McLaren 650S
- McLaren 625C
- McLaren 620R
- McLaren 675LT
- McLaren 720S
- McLaren 750S
- McLaren 765LT
- McLaren Elva
- McLaren Senna
- McLaren GT
- McLaren Speedtail
- McLaren P1

Including all variations of the listed models, for example Spyder, GTR, and more!

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 ACI1/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
  - MG/MG1 ECU with SPCxxx and TC2xx
  - VGSNAG3 9G-tronic TCU
  - VGS2-FDCT TCU
  - ZF 8HP TCU
  - DQ381 TCU
  - Getrag 7DCT300 TCU

Read/Write Flash + Checksum Correction for Bosch MED17.7.5 (Locked, 2021+)

MAP modification in 7G-Tronic (VGS4-0-NAG2) transmission control units

VGS3-FDCT (8G-Tronic) Maps and DFlash reading and writing on bench

VGSNAG3 (9G-Tronic) virtual Maps reading and Maps writing via OBDII

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

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

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
sales@abrites.com

www.abrites.com

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