BASE SOFTWARE IN AVDI + AMS

The AVDI (Abrites Vehicle Diagnostics Interface), combined with the AMS (Abrites Maintenance 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. Explore and enhance your AVDI by browsing the available upgrades in our [online store](#).

1. **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

2. **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

3. **MERCEDES-BENZ**
   - 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 adaptation
     - 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

- o Make each DAS/FBS module virgin
- Coding
  - o Read/Save/Update/Transfer Coding (the only way to avoid online SCN coding)
  - o SCN coding via OBDII
  - o CPC modifications via OBDII – VMAX limiter removal, Exhaust flaps adjustment, Torque limiter adjustment via OBDII
  - o Enable Video in Motion via OBDII
  - o Mercedes-Benz eVito Speed Limit calibration via OBDII
- Cluster recalibration
  - o Cluster recalibration for vehicles via OBDII (up to 2014)

- Airbag
  - o Clear crash data from Bosch/Temic/TRW airbags via OBDII (up to 2010)
- Others
  - o ESL and 7G Tronic Reset via OBDII
  - o ASSYST and ASSYST PLUS
  - o SBC Counter reset via OBDII

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

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

4. **TOYOTA/LEXUS/SCION**
   - Key programming
     - o All keys lost programming for all vehicles up to 2018 (G-type and H-type mechanical and smart keys) via OBDII
     - o 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)
     - o Emergency Start via OBDII (vehicles with smart systems up to 2018)
     - o Master Key emulation using our ZN039-2 Transponder emulator
     - o Cloning of ID67, ID68, ID70 and Texas fixed transponders
   - ID-box reset
     - o ID-box reset for vehicles up to 2018
   - ECU reading/writing
     - o ECU flasher for EDC15 and EDC16 Engine Control Units
     - o 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
- Dump tool
  - Reset by dump of immobilizers and smart systems with Texas DST-128 keys,
  - ECU virgin,
  - Key preparation by dump,
  - Instrument cluster recalibration,
  - Immobilizer bypass,
  - SRS (airbag) crash data reset
- Cluster recalibration
  - 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)

Included licenses: TN004, TN005, TN006, TN007, TN008, TN010

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

5. RENAULT
- 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

Included licenses: RR002, RR003, RR005, RR006, RR007, RR008, RR010, RR012, RR015, KT004

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

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

7. JAGUAR/LAND ROVER (JLR)
- 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)

- o 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
  - o Cluster recalibration for all vehicles up to 2014 via OBDII

Included licenses: JL002, JL003, JL004, JL005

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

8. FIAT CHRYSLER AUTOMOBILES (FCA)
- Key programming
  - o 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)
- Configuration data reading/writing
  - o BCM read/update of Configuration Data via OBDII
- Cluster recalibration and adaptation
  - o 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)
  - o Read/Update Cluster Configuration Data (used for replacing instrument cluster to avoid data mismatching)

Included licenses: FN002, FN005, FN006, FN007, FN008, FN009, FN011, FN012, FN013, FN014, FN016, FN017, CR005, CR007

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

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

- Mileage recalibration
    - Mileage calibration in SAM module via OBDII
    - Cluster recalibration via OBDII
- Module adaptation
    - Gearbox adaptation via OBDII
    - Reflashing and renewal of SAM/ZEE via OBDII
    - SAM/ECM synchronization via OBDII
- Other procedures
    - SOFTOUCH activation - switching from semi-automatic to automatic transmission
    - Cruise control activation via OBDII

Included licenses: MN008, MN009, MN012, MN014, RR015

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

10. VAG

- 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 adaptation

- o Module adaptation for all Immo 3/Immo 3+ vehicles (dashboard/immobilizer)
  - o Steering Lock adaptation for Touareg/Cayenne/A8 (2003-2010)
- Cluster recalibration
  - o 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
  - o 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)
  - o Repair DEF error for Audi A4 BOSCH RB8 CRYPTO 2004+ and Instrument Cluster Audi A4 BOSCH RB4 CRYPTO 2001+.
  - o DSG recalibration – used for resetting the working hours in the DSG transmission control units produced before 2008
- ECU functionalities
  - o Software update of modules with FRF/SGO files
  - o Read/Write EDC16 Flash and update Flash counters
  - o DPF OFF for EDC16 and EDC17 Engine Control Units
  - o Immo 3/4 ECU authorization - used for emergency start and ECU reflashing with FRF/SGO files (no working key is required for the authorization)
  - o PIN and CS extraction from 9GV ECU used for all keys lost programming and ECU adaptation

- Guided functions
  - o 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
- Advanced diagnostic functions
  - o Calibrations
    (e.g., steering angle calibration)
  - o Short coding calculator with short coding helper
  - o Adaptations for all VAG UDS models
  - o 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)
- o Long coding options – read/change all long coding parameters for all VAG UDS models
- o Wireless CarPlay/GoogleAuto configuration for all VAG UDS models
- o Program Flash database (.FRF and .SGO files) available for reprogramming and updating different electronic control units such as ECU, TCU, gateway, multimedia, etc.

Included licenses: VN001, VN003, VN004, VN005, VN006, VN010, VN012, VN013, VN015, VN016, VN018

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

11. PEUGEOT/CITROEN (PSA)
- BSI functions
  - o Service interval reset,
  - o Clear faults log
  - o Verify/set PIN,
  - o Virginize
- Change ID
  - o Change ID in BSI, Telematics, Airbag, MDS
- Airbag
  - o Clear crash data in some Airbag modules by dump

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

12. FORD/MAZDA
- Key programming
  - o 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+
  - o Incode calculator

- Cluster recalibration
    - Cluster recalibration for all Ford and Mazda vehicles up to 2017
- ECU functions
    - Speed Limiter modification
    - DPF regeneration
    - ECU exchange for various models of Ford and Mazda
- Coding
    - Central Car Configuration (CCC) modification
- Airbag
    - Airbag Clear Crash and Renew functionality
- PATS Initialization/ module adaptation
    - Mazda: 3 2020+, CX-30 2020+ and the related models

Included licenses: FR004, FR005, FR006, FR007, FR008, FR009, MZ001, MZ002

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

13. SUZUKI
- Key programming
    - Suzuki Grand Vitara and Swift (2005-2008)

14. TESLA
- Key programming
    - All keys lost and spare key programming for Tesla Model S via OBDII
- Airbag functions
    - Bosch - Airbag exchange, read/update data in the module (modify EEPROM), clear crash data, change VIN
    - Delphi - read eeprom, clear crash data (Model S/X and Model 3)
- 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

Included licenses: TS001, TS002

15. BMW/MINI
- Key programming

- o EWS1/EWS2 key programming by EWS dump
- o All keys lost and spare key programming for CAS1 and CAS2
- o 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
- Guided functions
  - o 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

Included licenses: BN002, BN003, BN004, BN006, BN007, BN008

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

16. PORSCHE
- Key programming
  - o 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+)
- Change ID in various modules
- Adaptation channels - used for adaptation of various components/modules

Included licenses: KT012

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

17. OPEL/VAUXHALL/GENERAL MOTORS
- Read and Update flash, and modification of the Operational memory and maps of Delphi Delco, Denso, Magneti Marelli, Siemens and Bosch ECUs via OBDII
- Security code programming
- ID (VIN) programming
- CAN configuration and programming – injector programming, programming of immobilizers and others

Included licenses: ON006, ON007, ON010

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

18. HYUNDAI/KIA
- Cluster recalibration
  - 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
- ECU functions
  - Calibration in EDC15 via OBDII
  - Read/Update Configuration data and Flash in EDC15 (which is also the Immobilizer)

Included licenses: HK003, HK005, HK007

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

19. VOLVO

- 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
- Mileage recalibration
  - 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)
- Coding
  - Read/Update Central Car Configuration

Included licenses: VL003, VL004

20. SUBARU

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

Included licenses: SB001

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

21. MITSUBISHI

- 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 adaptation
    - 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+)
- Airbag
    - Clear crash data for Bosch and Denso Airbag modules by dump (Mitsubishi Colt, Carisma, Galant, Grandis, L200, Lancer, Outlander, Pajero, Space Wagon, Strada)
- Cluster recalibration
    - Cluster recalibration by dump (Mitsubishi L200, Outlander)
- Other functionalities
    - Key code and VIN Number registration to ECU

Included licenses: MI002, MI003, MI004, MI005, MI006, MI007

22. BIKES, SNOWMOBILES, WATER SCOOTERS

- Key programming
  - Aprilia
  - 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
  - Harley Davidson (for models equipped with HFSM or TSSM)
  - Piaggio
  - Vespa
  - Vehicles with CAN-based BCMs
- Read/Update Configuration Data by OBDII
  - ECUs:
    - 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
  - Immobilizers:
    - Magneti Marelli IMM003/ IMM006
- Additional functionalities for Harley Davidson:
  - Motorcycle arming and unarming
  - Read/Update PIN Code

Included licenses: BK002

23. DAF Trucks

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

Included licenses: DF002

24. J1939-COMPLIANT VEHICLES (BUSES, TRUCKS, HEAVY-DUTY MACHINERY, MARITIME VEHICLES and OTHERS)
- Complete vehicle diagnostic scan
- Read and clear diagnostic trouble codes (DTC)
- Display live values from the modules of the vehicle
- Freeze frame

25. ECU PROGRAMMING TOOL

- 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 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
- 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)

Included licenses: EP001, EP003, EP004

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

26. ABRITES TOOL BOX

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

N.B. If you would like to download the Abrites Tool Box, please click HERE.

For optimal utilization of the base software for Mercedes-Benz, additional hardware is necessary:
ZN151 Abrites Distribution Box, ZN003 PROTAG programmer V2 with TA31, ZN076 IR adapter, ZN030 Abrites ABPROG programmer

For optimal utilization of the base software for Toyota, additional hardware is necessary:
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

For optimal utilization of the base software for Renault, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31, ZN037 Renault CAN adapter, ZN047 Field Detector Renault card 125 kHz

For optimal utilization of the base software for Honda, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31, ZN056 Honda K-Line adapter

For optimal utilization of the base software for Jaguar/Land Rover, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31, CB012 Direct CAN-BUS Connection Cable Set, TA66 Abrites Key for 2018+ JLR vehicles (433 MHz) or TA67 Abrites Key for 2018+ JLR vehicles (315 MHz)

For optimal utilization of the base software for FCA, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31, ZN038 Fiat/Chrysler CAN adapter, J1850 SAE J1850 adapter for AVDI

For optimal utilization of the base software for SMART, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31

For optimal utilization of the base software for VAG, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31, ZN053 AVDI Extractor Cable, ZN151 Distribution Box

For optimal utilization of the software for Tesla, additional hardware is necessary:
ZN087 Cable set for Tesla Model S/X and Model 3

For optimal utilization of the base software for BMW/Mini, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31, ZN049 Adapter for connection with K-Line BMW vehicles (PassThru ONLY), ZN030 ABPROG Programmer Set with Software Activation

For optimal utilization of the base software for Porsche, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31

For optimal utilization of the base software for Subaru, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31, TA41 Subaru DST-AES Emulator, ZN066 Subaru transponder emulator, TA68 Abrites DST-AES transponder emulator

For optimal utilization of the base software for Mitsubishi, additional hardware is necessary:
ZN003 PROTAG programmer V2 with TA31

For optimal utilization of the base software for ECU programming tool, additional hardware is necessary:
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, ZN079 ZF 8HP TCU Connection Cable, ZN074 ECU reading set, CB403 DS-BOX Extended Cable Set for direct connection with various Automotive/Truck modules on Bench work

For optimal utilization of the base software for VAG, additional hardware is necessary:

ZN151 Distribution Box, ZN003 PROTAG programmer V2 with TA31, 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

For optimal utilization of the base software for Bikes, additional hardware is necessary:

CB008 BMW Bikes Diagnostic Connector Cable, CB301Aprilia 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

For optimal utilization of the base software for Ford/Mazda, additional hardware is necessary:

ZN003 PROTAG programmer V2 with TA31, J1850 SAE J1850 adapter for AVDI