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AUTOMOTIVE DIAGNOSIS

PRODUCT BROCHURE

Shenzhen Xtooltech Intelligent CO., LTD.
www.xtooltech.com



V4.04250703

XTool J501

The New Era of Automotive

Diagnostic Solutions





OUR MISSION MAKE REPAIRING EASIER

Established in 2010, XTOOLTECH is an automotive intelligent diagnostic supplier based in Shenzhen, China. Adhering to the principle of "make repairing easier", XTOOL is committed to R&D, production and sales of automotive intelligent diagnostic equipment, and operating cutting-edge technologies such as car networking, big data and cloud computing in the field of automotive electronic diagnosis.

With the principle of "make repairing easier", XTOOL creates auto diagnostic products that are sold worldwide.

■ CORE VALUES

Customer-centered
Innovation as the root

■ BUSINESS PERSPECTIVE

Strive to provide the most professional tools & services to our customers
Build reliable & responsible relationship inside & outside the company
Committed to customer satisfaction & success

■ OUR VISION

To be the world's leading provider of automotive electronic diagnostic equipment

HISTORY OF XTOOL



Founded in Shenzhen China

Launched the first mobile Internet diagnostic device

**2010
2011**



Obtained Apple MFI Developer Certification License

Obtained High-tech Enterprise Certification

**2012
2013**



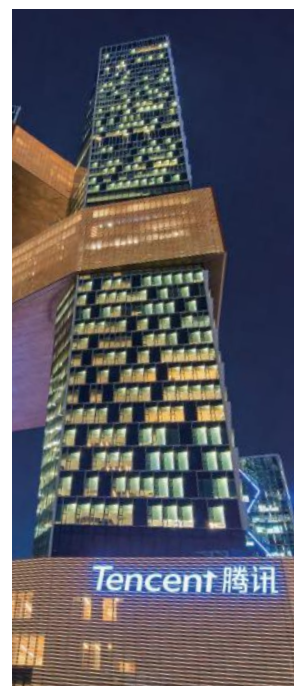
Reached a strategic partnership with Tencent

Analysis system & method of invention patent based on Vin Code

Reached a strategic partnership with Mobike

Reached a strategic partnership with ZTE

**2014
2015**



Awarded as National High-tech Enterprises

Reached a strategic partnership with Daimler Benz

Designated Equipment for 45th WorldSkill Contests

**2016
2017**

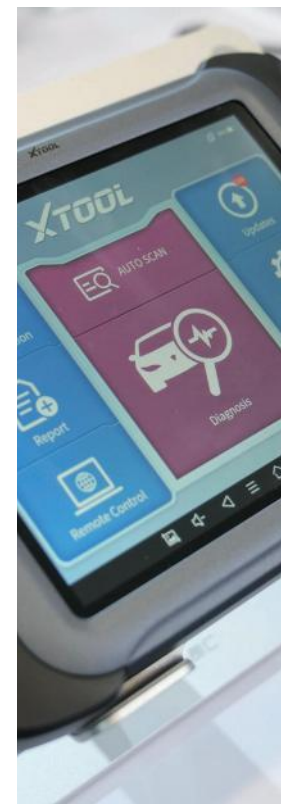


U.S Sales Team was formed

Reached a strategic partnership with DIDI

Top 20 Repair Tool - H6 Pro

**2018
2019**



BOSCH

Reached a strategic partnership with Bosch

Obtained IATF169 Certificate

Top 100 Auto Maintenance Enterprise in China

100+ Patents & Software Documents

**2020
2021**



2024

BEC0130 Portable Lithium Battery Cell Charging & Discharging Unit is released.

2023

Feb. Key cutting machine KNC91 Released

Aug. XT series Launched

2022

Sep. H6D PRO II Trcuk Diagnois Tool Released

Aug. H6 Pro II Released

Mar. The new version of XTOOL official website went online

Mar. D9 Smart Diagnosis System Launched

**2022
2024**





BUSINESS SCOPE

- OBD2 CODE READERS
- TPMS SERVICES
- AUTO KEY PROGRAMMERS

- DIAGNOSTIC TOOLS
- ADAS CALIBRATION

75

Business
Covering Countries

15

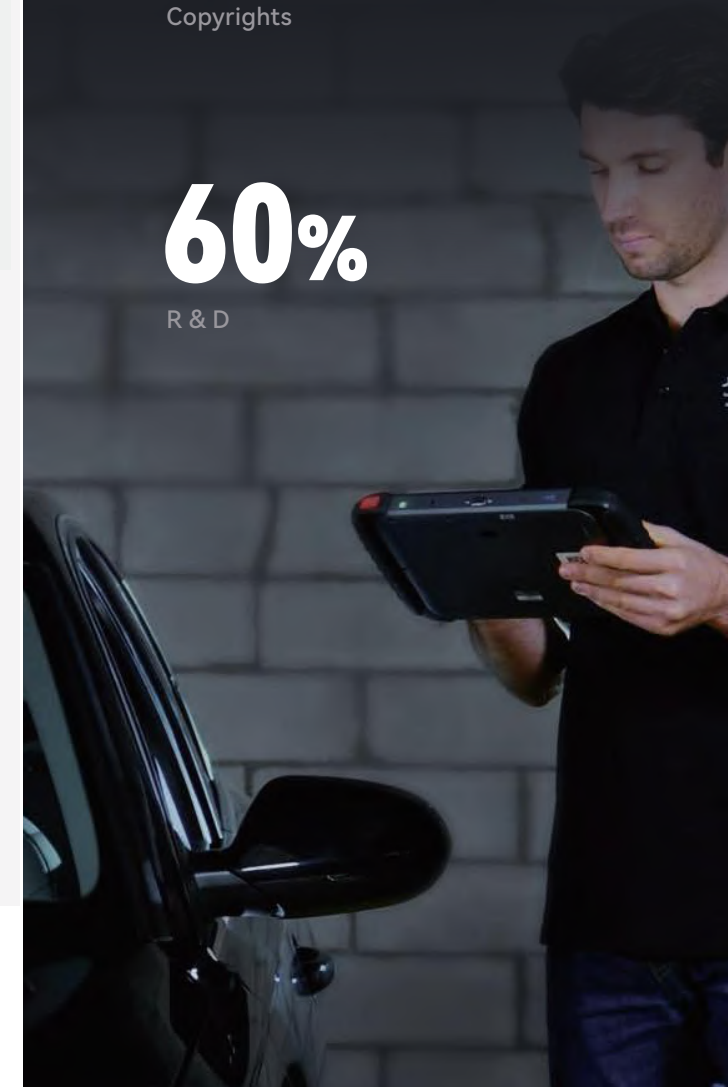
Company Honors throughout
15 Years Development

360+

Patents &
Copyrights

60%

R & D



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01

DIAGNOSTIC TOOLS

Core Products

PRODIGY / COMPASS /
COMPASS MASTER / XPORTAL /
XT90 / XT80 / XT80W / XT70 /
XT70W / XT50 / E2S / E2 Pro



PRODUCT SERIES

XTOOL Intelligent Car Diagnosis System has a comprehensive vehicle coverage of global car models, including Asian car, European car, American car, China car, ect.

Equipped with rich special functions and continuous product upgrades, XTOOL is committed to bring global users a more user-friendly product experience.



PRODIGY

Smart Diagnostic System



COMPASS / COMPASS MASTER

Smart Diagnostic System



XPORTAL

J2534 Pass Through Device



XT90

Smart Diagnostic System



XT80

Smart Diagnostic System



XT80W

Smart Diagnostic System



XT70

Smart Diagnostic System



XT70W

Smart Diagnostic System



XT50

Smart Diagnostic System



E2S

EV Smart Diagnostic System



E2 Pro

EV Smart Diagnostic System

PRODIGY

Smart Diagnostic System - The Hero Has Arrived

The Prodigy is a high-performance automotive diagnostic tool featuring a 13.3-inch touchscreen, Android 10.0, and advanced communication protocols (DoIP/CAN FD). Designed for electric, gasoline, and hybrid vehicles across global markets, it offers fast diagnostics, 53 reset and relearn functions, ADAS calibration, and seamless ECU programming. With topology mapping and enhanced diagnostic reports, the Prodigy ensures precise and efficient troubleshooting for professionals.

PRODUCT FEATURES

- Xtool's First Device With Online Informatics Database Access**

Quickly view step-by-step repair guides and service procedures directly from the tablet.
- Extensive Coverage Of Euro,Asian And Domestic Vehicles**

Supports 85+ global brands with full-system diagnostics, making it your all-in-one tool for any vehicle in the workshop.
- Equipped With Prescan & Postscan Diagnostic Reports**

Generates detailed diagnostic reports before and after service to enhance workflow and build customer trust.
- Support DoIP, CANFD, And J2534 Protocols**

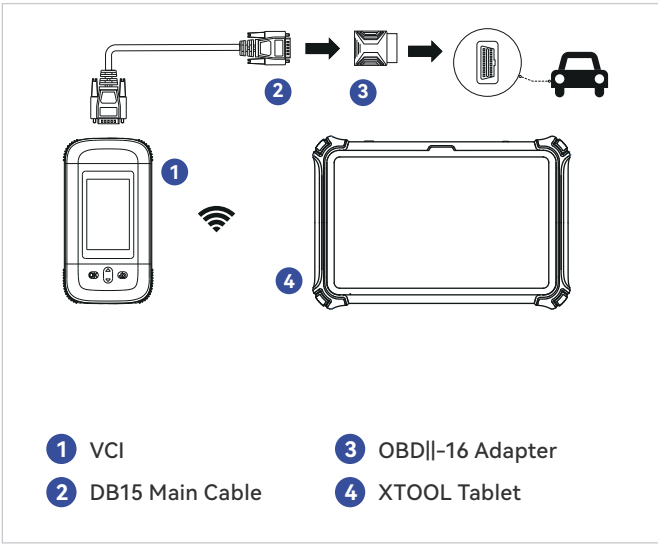
Ensures compatibility with the latest vehicle communication standards for high-speed diagnostics and programming.
- Tesla Diagnostics Available**

Perform comprehensive Tesla diagnostics with full data access and special functions.
- Support Jaguar & Land Rover Online/Offline Coding & Programming**

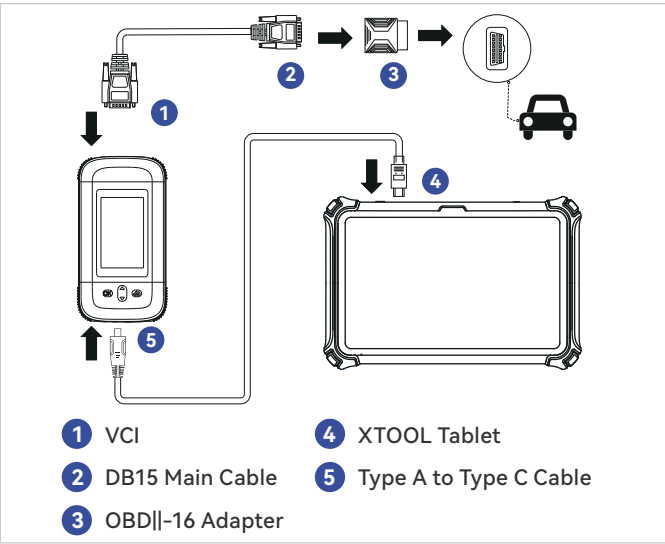
XTOOL's first diagnostic tablet to offer full online and offline coding and programming for Jaguar and Land Rover vehicles.



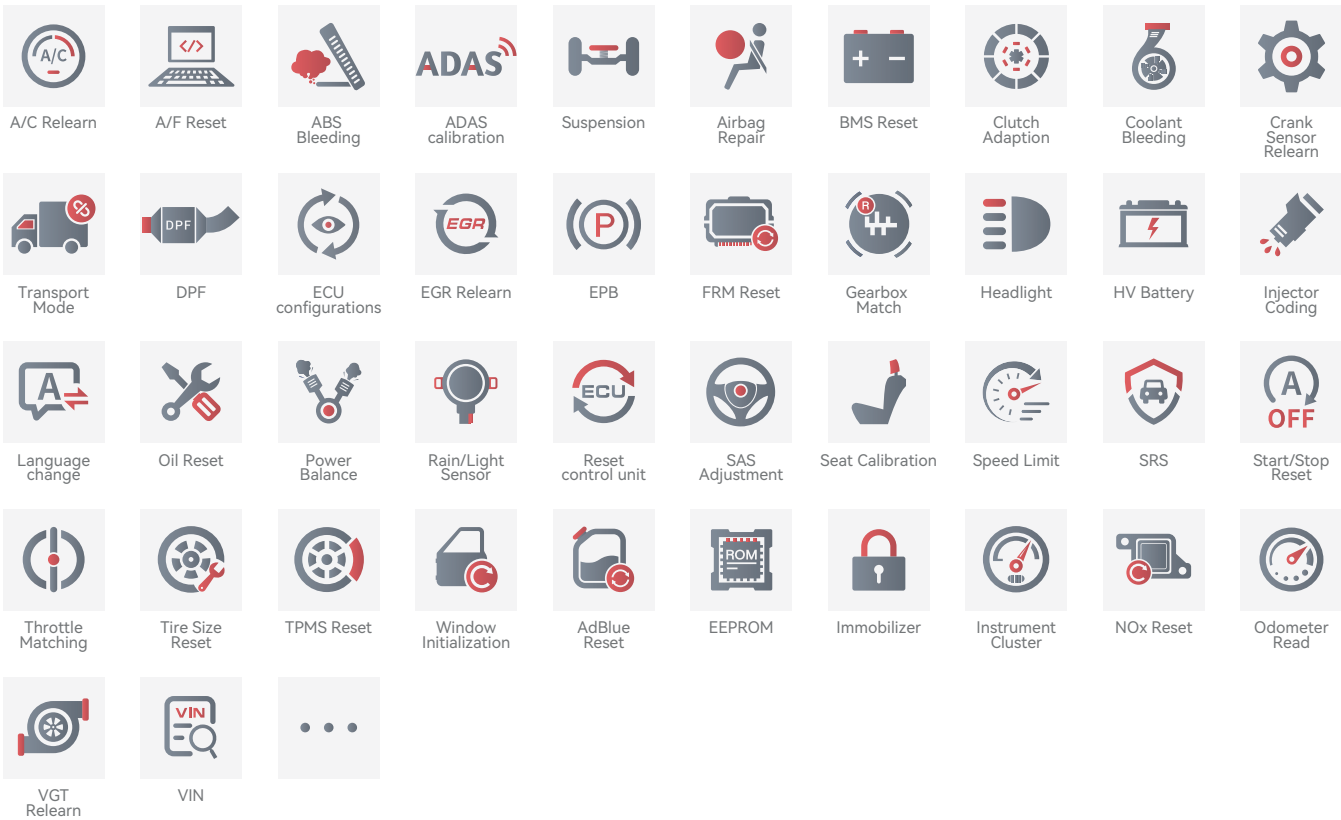
WIFI CONNECTION



WIRE CONNECTION



SPECIAL FUNCTION(53)



PARAMETERS

| | | | |
|---------------------|-----------------------------------|----------------------|---------------|
| Operating System | Android 10.0 | Communication Method | Wi-Fi, USB |
| Processor | 2.2GHz+1.8GHz Octa-core Processor | Connectivity | Type-C |
| Memory | 8G+256G | Working Voltage | 9-36V |
| Display | 13.3-inch, 1920×1080P | Battery | 9600mAh, 7.2V |
| Camera | 8.0 Megapixel, AF with Flashlight | Working Temperature | 0~40°C |
| Compatible Protocol | Common OBD Protocols CANFD / DoIP | Storage Temperature | -40~60°C |

COMPASS COMPASS MASTER

Smart Diagnostic System

■ PRODUCT FEATURES

Full-System Diagnostics for All Vehicles

Covers all major modules including engine, transmission, ABS, airbag, and more across a wide range of global brands.

Enable BMW Test Plans

Follows official BMW test logic for accurate troubleshooting and step-by-step guidance.

Tesla Diagnostics Supported

Performs dedicated Tesla diagnostics including system scanning, fault code reading, and basic resets.

Provides SGW Access and Maintenance Documentation Support

Enables secure gateway (SGW) access for protected vehicles and offers optional maintenance document packages to assist with accurate repair procedures.

Compatible with Jaguar & Land Rover Online/Offline Programming

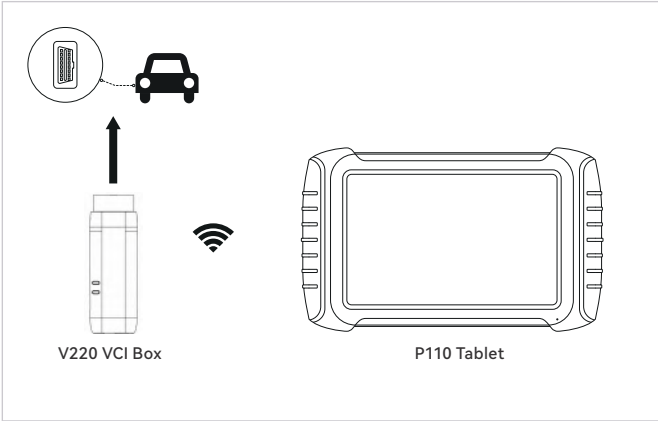
Built to handle Jaguar & Land Rover online and offline programming with ease.

J2534 for Compass Master

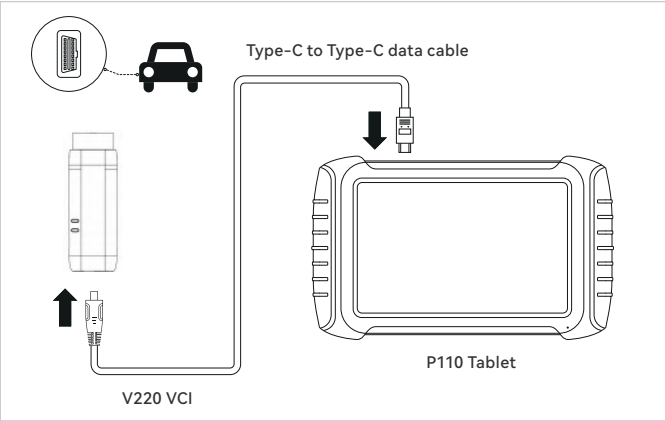
Allows OEM software passthrough programming via J2534 protocol for enhanced service capabilities.



■ WI-FI CONNECTION



■ WIRE CONNECTION



■ SPECIAL FUNCTION(48)

| | | | | | | | | | |
|-------------------|-----------------|--------------------|-----------------------|--------------------|----------------|------------------|--------------------|------------------|----------------------|
| A/C Relearn | A/F Reset | ABS Bleeding | ADAS calibration | Suspension | Airbag Repair | BMS Reset | Clutch Adaption | Coolant Bleeding | Crank Sensor Relearn |
| Transport Mode | DPF | ECU configurations | EGR Relearn | EPB | FRM Reset | Gearbox Match | Headlight | HV Battery | Injector Coding |
| Language change | Oil Reset | Power Balance | Rain/Light Sensor | Reset control unit | SAS Adjustment | Seat Calibration | Speed Limit | SRS | Start/Stop Reset |
| Throttle Matching | Tire Size Reset | TPMS Reset | Window Initialization | AdBlue Reset | EEPROM | Immobilizer | Instrument Cluster | NOx Reset | Odometer Read |
| VGT Relearn | VIN | | | | | | | | |

■ PARAMETERS

| | | | |
|----------------------|-----------------------------------|---------------------|---|
| Operating System | Android 10.0 | Connectivity | Type-C |
| Processor | 2.2GHz+1.8GHz Octa-core Processor | Working Voltage | 9-36V |
| Memory | 8G+128G | Battery | 7.2V |
| Display | 10.1-inch, 1920x1200 | Working Temperature | 0 ~ 40°C |
| Camera | 8MP rear | Storage Temperature | -40 ~ 60°C |
| Auto Input / Output | Microphone, Speaker | Compatible Protoco | CANFD, DOIP, (J2534 for Compass Master) |
| Communication Method | Dual Wi-Fi, USB | | |

XPORTAL

J2534 Pass Through Device

Reflash Access for Vehicles

XPORTAL is XTOOL’s professional-grade J2534 VCI Box, designed to bridge your diagnostic tools with OEM software for precise programming and coding. It supports both wired (Type-C) and wireless (Wi-Fi 2.4G) communication, delivering stable performance on both 12V and 24V systems. Whether in the workshop or on the move, XPORTAL ensures fast, secure, and intelligent vehicle communication across a wide range of brands.

PRODUCT FEATURES

- Built-in J2534 Protocol**
Seamlessly integrates with OEM software from 10+ manufacturers.
- Dual Communication Modes**
Switch freely between wired Type-C and wireless Wi-Fi connection.
- Support for All Major Vehicle Protocols**
Dual-CAN protocol for FCA, DoIP for BMW/Mercedes, CAN-FD protocol for GM models.
- Works on 12V & 24V Systems**
Compatible with both gasoline and diesel vehicles
- Simple Driver Installation**
Easy setup via the XTOOL J2534 Toolbox.
- OEM Software Coverage**
Currently Supported:
Acura, Ford, GM, Honda, Infiniti, Lexus, Nissan, Subaru, Scion, Toyota
Coming Soon:
Audi, BMW, Genesis, Hyundai, Jaguar, Kia, Land Rover, Mitsubishi, Mercedes-Benz, Skoda, Volkswagen, Volvo, Mini, Mazda, Stellantis (FCA, PSA), Porsche and more!

SUPPORTED PROTOCOL

| | | | | |
|----------|--------------|-----------------------------|----------------|-----------------------------------|
| BUS | DoIP | Supported | Negative Logic | Supported |
| | | | Clock | Supported |
| | CANFD | Supported | VPW | Supported (SAE-J1850) |
| | HCAN | Supported | PWM | Supported (SAE-J1850) |
| | Standard CAN | Supported | RS232 | Supported |
| | SINGLE CAN | Supported | RS485 | Supported |
| | K_LINE | Supported | FlexRay | Not Supported |
| | L_LINE | Supported | MOST | MOST Not Supported |
| Protocol | LIN | Supported | | |
| | | | | |
| | ISO 14229 | Supported (UDS) | ISO 15031 | Supported (OBD) |
| | ISO 14230 | Supported (KWP2000, Pin7) | ISO 27145 | Supported (WWH-OBD) |
| | ISO 9141 | Supported (K_Line / L_Line) | SAE J1939 | Supported |
| | ISO 15765 | Supported (CAN) | SAE J1708 | Supported |
| | ISO 11898 | Supported (CAN / CANFD) | SAE J1587 | Supported |
| Program | ISO 13400 | Supported (DoIP) | SAE J1850 | Supported (VPW Pin2, PWM Pin2&10) |
| | | | | |
| | D-Server | Supported (ISO 22900) | PassThru | Supported (SAE J2534) |
| | D-PDU | Supported (ISO 22900) | RP1210 | TBD |



XT90

Smart Diagnostic System

XT90 is an advanced automotive diagnostic system featuring a large 9.7-inch screen and dual WIFI modules for stable data transfer between the tablet and VCI. Designed for mechanics, electricians and automotive repair stores, it provides full-system automotive diagnostics, live data, Bi-directional control test, ECU coding and ECU programming.

XT90 also supports 44 common special functions such as throttle adaptation, ABS bleeding, service light reset, EPB test, SAS calibration, BMS reset, injector coding, DPF regeneration, and TPMS reset. With 98% vehicle coverage and compatibility with over 100 brands and 10,000 car models, the XT90 is a versatile and reliable tool for any automotive professional.

PRODUCT FEATURES

Full-System Diagnostic

Perform OE-Level diagnosis on all available systems. Support ECU information, read and clear DTC, live data and freeze frame and special function under system menus

Topology Mapping Supported

Provides a visual representation of the communication status of each system in the vehicle during automatic scanning.

Equipped with Endoscope

Equipped with a 2-megapixel videoscope, connected via USB port

Online & Offline Programming

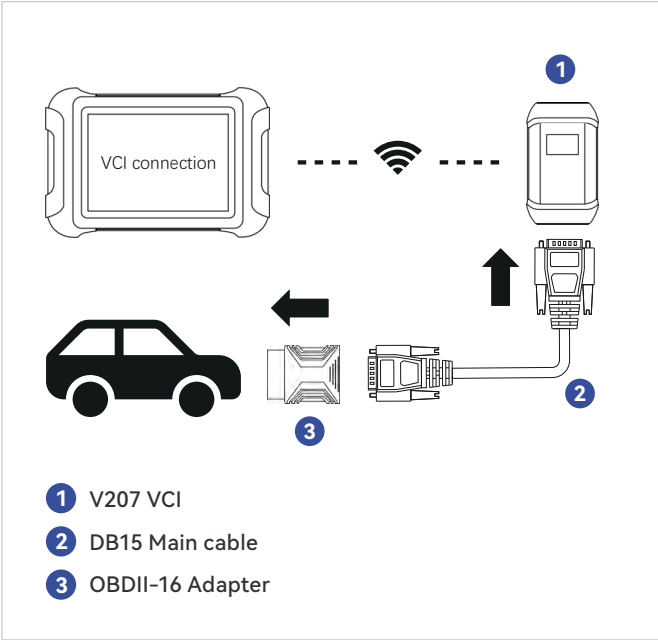
Support Online Programming for Volkswagen, Audi, BMW, Mercedes-Benz and programmable module installation for Ford and Mazda

44 Special Functions

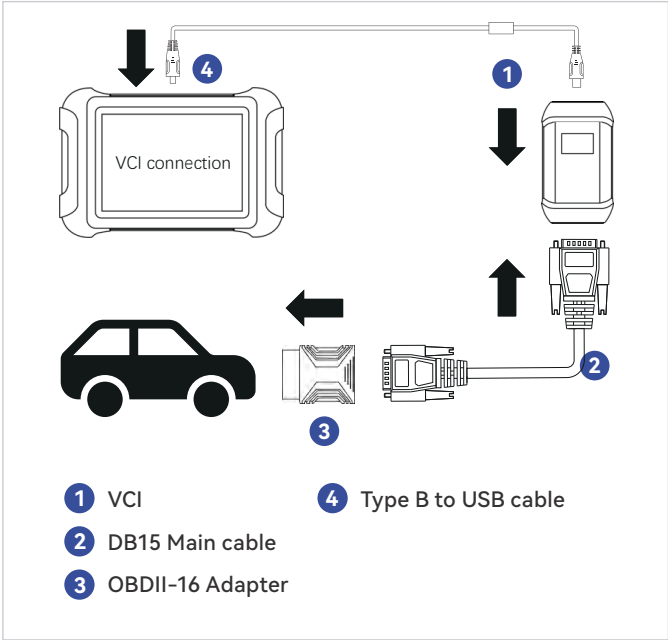
Include top popular maintenance functions, like ABS Bleeding, Key Programing, Injector Coding, Oil Reset, EPB, etc.



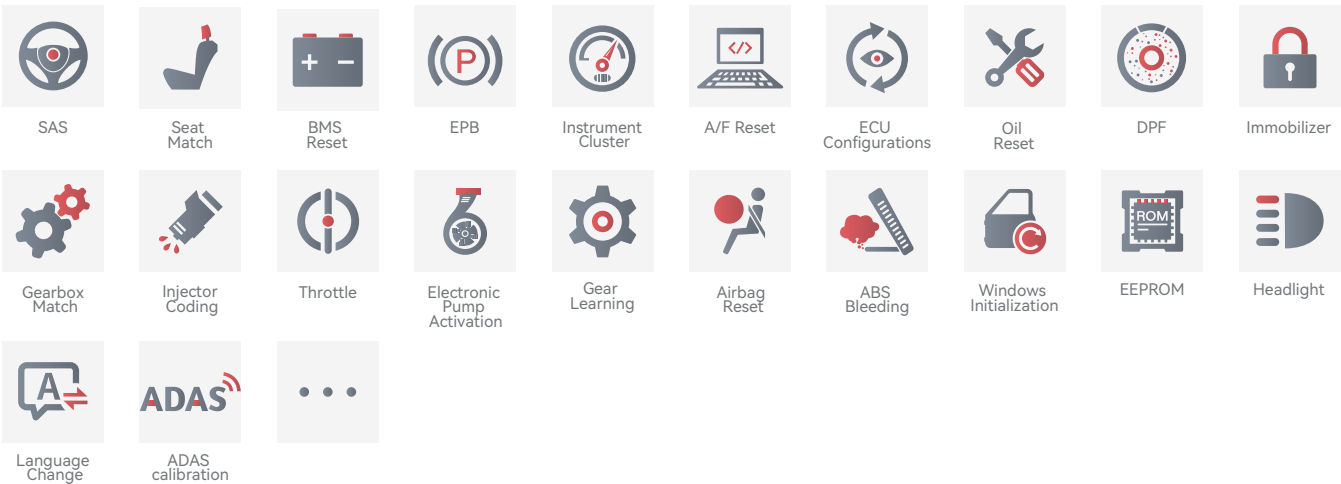
WIFI CONNECTION



WIRE CONNECTION



SPECIAL FUNCTION(44)



PARAMETERS

| | | | |
|------------------|---|------------------------|----------------------|
| Operating System | Android 10 | Auto Input / Output | Microphone / Speaker |
| Processor | 4 Core 1.50GHz | Battery | 6400 mAh, 7.2V |
| Memory | 4G RAM, 128 ROM | Working Voltage | + 9 ~ +36V |
| Display | 9.7-inch, 1024×768P | Input Voltage | 5V, 3A |
| Communication | WIFI / Wired | Operating Temperature | 0 to 40℃ |
| Connectivity | Type-C, USB 3.0 | Storage Temperature | -40 to 60℃ |
| Camera | Rear camera, 8.0 Megapixel, AF with Flashlight. | Humidity | <90% |
| Sensors | Gravity Accelerometer, Ambient Light Sensor | Dimension (L×W×H) | 313X218X30 mm |
| | | Protocol Compatibility | CANFD, DoIP |

XT80

Smart Diagnostic System



PRODUCT FEATURES

- Bi-Directional Control
- Full-System Diagnostic
- Programmable Module Installation
- ADAS calibration Supported
- 40 Maintenance Functions
- Equipped with Endscope
- New Topology Mapping function

PARAMETERS

| | |
|------------------------|-----------------------------------|
| Operating System | Android 10 |
| Processor | 4 Core 1.50GHz |
| Memory | 4G RAM, 64 ROM |
| Display | 8-inch, 1024×768P |
| Connectivity | Type-C, USB 3.0 |
| Communication | Wired |
| Camera | 8.0 Megapixel, AF with Flashlight |
| Auto Input/Output | Microphone, Speaker |
| Working Voltage | 9-36V |
| Battery | 5000mAh, 7.2V |
| Dimension (L×W×H) | 274mm × 175mm × 33.8mm |
| Protocol Compatibility | CANFD, DoIP |

XT80W

Smart Diagnostic System



PRODUCT FEATURES

- Bi-Directional Control
- Wireless Full-System Diagnostic
- Programmable Module Installation
- ADAS calibration Supported
- 40 Maintenance Functions
- Equipped with Endscope
- New Topology Mapping function

PARAMETERS

| | |
|------------------------|--|
| Operating System | Android 10 |
| Processor | 4 Core 1.50GHz |
| Memory | 4G RAM, 64 ROM |
| Display | 8-inch, 1024×768P |
| Connectivity | Type-C, USB 3.0 |
| Communication | WIFI |
| Camera | Rear camera, 8.0 Megapixel, AF with Flashlight |
| Auto Input/Output | Microphone, Speaker |
| Working Voltage | 9-36V |
| Battery | 5000mAh, 7.2V |
| Dimension (L×W×H) | 274mm × 175mm × 33.8mm |
| Protocol Compatibility | CANFD, DoIP |

XT70

Smart Diagnostic System



PRODUCT FEATURES

- Full OBD2 functions
- Bi-Directional Control
- Full-System Diagnostic
- ECU configuration supported
- 37 Maintenance Functions

PARAMETERS

| | |
|------------------------|-----------------------------------|
| Operating System | Android 10 |
| Processor | 4 Core 1.50GHz |
| Memory | 2G RAM, 64 ROM |
| Display | 7-inch, 1024×600P |
| Connectivity | Type-C, USB 3.0 |
| Communication | Wired |
| Camera | 8.0 Megapixel, AF with Flashlight |
| Auto Input/Output | Microphone, Speaker |
| Battery | 2500mAh, 7.2V |
| Protocol Compatibility | CANFD, DoIP |
| Working Voltage | 9-36V |
| Dimension | 234.6×31.0×149.0 mm |

XT70W

Smart Diagnostic System



PRODUCT FEATURES

- Full OBD2 functions
- Bi-Directional Control
- Full-System Diagnostic
- ECU configuration supported
- 37 Maintenance Functions

PARAMETERS

| | |
|------------------------|-----------------------------------|
| Operating System | Android 10 |
| Processor | 4 Core 1.50GHz |
| Memory | 2G RAM, 64 ROM |
| Display | 7-inch, 1024×600P |
| Connectivity | Type-C, USB 3.0 |
| Communication | WIFI |
| Camera | 8.0 Megapixel, AF with Flashlight |
| Auto Input/Output | Microphone, Speaker |
| Battery | 2500mAh, 7.2V |
| Protocol Compatibility | CANFD, DoIP |
| Working Voltage | 9-36V |
| Dimension | 234.6×31.0×149.0 mm |

XT50

Smart Diagnostic System

XT50 is XTOOL's first Linux-based automotive smart diagnostic tool, featuring a 5.45-inch display. It supports full-system diagnostics, including ECU information, fault codes, live data, and freeze frames, with 26 common special functions such as ABS bleeding, injector coding, TPMS reset, and more. Covering over 85 brands and 10,000 vehicles across the U.S., Europe, and Asia, the XT50 is ideal for individual car owners and small repair shops, providing precise and reliable diagnostics.

PRODUCT FEATURES

- Compact Design**

Features a portable 5.45-inch screen for convenience and mobility.
- Linux-Based System**

Ensures faster performance and greater stability.
- Comprehensive Vehicle Coverage**

Supports over 85 brands and 10,000 vehicle models, including gasoline and hybrid vehicles.
- 26 Special Functions**

Includes essential functions like ABS bleeding, TPMS reset, injector coding, and more.
- Full-System Diagnostics**

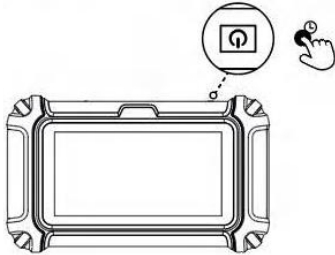
Provides in-depth diagnostics with ECU reading, fault codes, live data, and freeze frames.
- Perfect for Small-Scale Use**

Designed for individual car owners and small workshops, offering professional-grade accuracy.

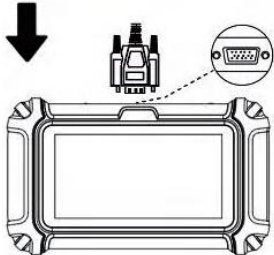


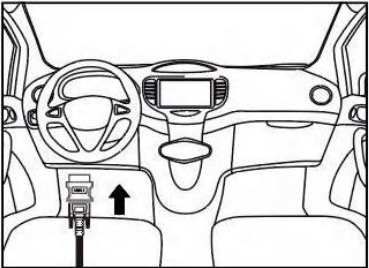
WIRED CONNECTION

- Press and hold the Power button to turn on the tablet
- Selecce App language and start the activation
- Input your E-mail address,and click OK to complete the activation

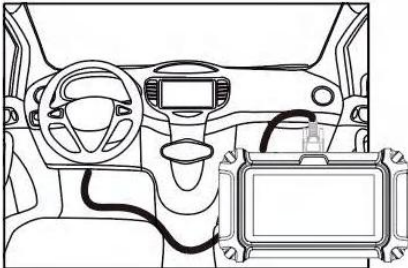


- Connect the main cable's female adapter to the tablet first and tighten the captive screws






- Plug the 16-pin male connector of main cable into the vehicle's DLC port




- Your tablet is now ready for diagnosis


SPECIAL FUNCTION




A/C Relearn




ABS Bleeding




BMS Reset




Clutch Adaption




Coolant Bleeding




Crank Sensor Relearn




Disable Transportation Mode




DPF




EPB




Gearbox Match




Injector Coding




Read Odometer




Language Change




NOX Reset




Oil Light Reset




Power Balance




Speed Limit




Suspension




Throttle Matching



TPMS Reset



VIN



PARAMETERS

| | | | |
|---------------------|----------------------------|----------------------|---------------|
| Operating System | Linux | Communication Method | Wired |
| Processor | Dual core Cortex-A7@1.2GHz | Connectivity | Type-C |
| Storage | 32G | Working Voltage | 9-36V |
| Display | 5.45-inch, 1440×720px | Battery | 3150mAh, 3.6V |
| Compatible Protocol | CANFD, DoIP | Working Temperature | -0~40°C |
| Auto Input/Output | N/A; Speaker | Storage Temperature | -20~60°C |

E2S

(Entry-Level Solution)

EV Smart Diagnostic System

The E2S is a compact diagnostic platform designed for the expanding EV market. Ideal for workshops and small repair centers, it supports full-system diagnostics, battery pack testing, and BMS repair for BEV, PHEV, and REEV vehicles. With 52 special functions like ABS bleeding, TPMS reset, and injector coding, the E2S also handles gasoline vehicle diagnostics, providing an affordable yet professional solution for modern automotive maintenance.



PRODUCT FEATURES

Comprehensive EV Diagnostics

Supports full-system diagnostics for BEV, PHEV, and REEV vehicles.

Battery Pack Testing

Offers advanced EV battery diagnostics for pinpoint analysis.

52 Special Functions

Includes features such as ABS bleeding, throttle matching, injector coding, and TPMS reset.

Compact Design

Lightweight and portable, ideal for mobile mechanics or small workshops.

Multi-Vehicle Compatibility

Covers 98% of vehicle models, including EVs and gasoline vehicles.

User-Friendly Interface

Simple, intuitive controls for seamless operation.

SPECIAL FUNCTION



PARAMETERS

| | |
|----------------------|------------------------------------|
| Operating System | Android 10.0 |
| Processor | 8 Core, up to 2.2 GHz |
| Memory | 8G+128G(E2S) / 8G+256G(E2Pro) |
| Display | 10.1-inch, 1920x1200px |
| Camera | 8.0 Megapixel, AF with Flashlight |
| Auto Input/Output | Microphone, Speaker |
| VCI Screen Size | 1.54-inch(E2S) / 3.97-inch(E2 Pro) |
| Communication Method | Wi-Fi, Wired |
| Connectivity | USB Type-C |
| Working Voltage | 9-36V |
| Battery | 6400mAh, 7.2V |
| Working Temperature | 0~40°C |
| Storage Temperature | -40~60°C |
| Compatible Protocol | CANFD, DoIP Dual CAN, etc. |

E2 Pro

(Advanced Professional Solution)

EV Smart Diagnostic System

E2 Pro is an advanced diagnostic tool designed for professionals seeking unparalleled precision in EV diagnostics. It features exclusive functions such as BMS Data Recovery and Gateway Simulation, as well as Tesla-specific adapters for battery analysis. Supporting full-system diagnostics across BEV, PHEV, REEV, and gasoline vehicles, the E2 Pro also offers 56 special functions, making it the ultimate tool for high-level automotive diagnostics and repairs.

PRODUCT FEATURES

Exclusive BMS Functions

Includes BMS Data Recovery and Gateway Simulation for advanced EV diagnostics.

Gateway Simulation

Solves the issue of diagnosing DCDC converters, compressors, and motor controllers when removed from the vehicle, allowing fault detection and data stream reading.

BMS Data Recovery

Supports Mercedes-Benz, BMW, Tesla, and other major brands with 12V / 48V / BMS chip data programming and restoration.

Precision Diagnostics

Ensures accurate fault detection with enhanced stability and reliability.

Tesla-Ready Diagnostics

Features Tesla battery adapters for single-cell voltage reading and advanced EV troubleshooting.

56 Special Functions

Offers advanced tasks like injector coding, ADAS calibration, and suspension reset.

Comprehensive System Coverage

Supports BEV, PHEV, REEV, and gasoline vehicles with cutting-edge tools.

Durable and High-End Design

Built to withstand the demands of professional use.



COMPARISON - CONFIGURATIONS

| | ITEMS | E2S | E2 Pro | N9EV |
|--------------------|-----------------------|-------------------------|-------------------------|----------------------------|
| Tablet | Processor | 2.2GHzA73×4+1.8GHzA53×4 | 2.2GHzA73×4+1.8GHzA53×4 | Quad-core processor 1.5GHz |
| | OS | Android 10 | Android 10 | Android 10 |
| | Storage (RAM+ROM) | 8+128G | 8+256G | 4+128G |
| | Display | 10.1 inch 1920*1200 | 10.1 inch 1920*1200 | 9.7 inch 1024*768 |
| | Camera | 8MP rear | 8MP rear | 8MP rear |
| | Connectivity | USB Type-C | USB Type-C | USB Type-C |
| | Battery | 6400 mAh, 7.2V | 6400 mAh, 7.2V | 6400 mAh, 7.2V |
| | WiFi | WiFi 2.4/5 Ghz | WiFi 2.4/5 Ghz | Y |
| | Bluetooth | BLE 5.0 | BLE 5.0 | BLE 5.0 |
| | Working Volt | 6.1~8.3 V | 6.1~8.3 V | 6.1~8.3 V |
| VCI | Vehicle Volt. | 9~36V | 9~36V | 9~36V |
| | Communication Method | Wi-Fi / USB | Wi-Fi / USB | Wi-Fi / USB |
| | Wireless VCI Box | V208 | V301 | V208 |
| | FCA SGW License | Y | Y | Y |
| | CAN FD | Y | Y | Y |
| | DolP | Y | Y | Y |
| Packed Accessories | SAE-J2534 | N | N | N |
| | EEPROM Adapter | N | Y (M600) | N |
| | Charging Dock station | Y | Y | N |
| Others | Endoscope | Optional | Optional | Optional |
| | Free Update | 3 YEARS | 3 YEARS | 3 YEARS |
| | Warranty | 2 YEARS | 2 YEARS | 2 YEARS |

COMPARISON - CONFIGURATIONS

| Product Model | E2S | E2 Pro | N9EV | Product Model | E2S | E2 Pro | N9EV | Product Model | E2S | E2 Pro | N9EV |
|----------------------------------|-----|--------|------|-----------------------|-----|--------|------|----------------------------|-----|--------|------|
| Full system Diagnostics | Y | Y | Y | Total Number | 52 | 56 | 44 | Transporte Mode | Y | Y | Y |
| Auto VIN | Y | Y | Y | Oil Light Reset | Y | Y | Y | Tire Upgrade | Y | Y | Y |
| Read ECU Info | Y | Y | Y | EPB | Y | Y | Y | Gear Learning | Y | Y | Y |
| Read code | Y | Y | Y | SAS | Y | Y | Y | Power Balance | Y | Y | Y |
| Clear code | Y | Y | Y | DPF | Y | Y | Y | EEPROM | N | Y | Y |
| Read live data | Y | Y | Y | BMS Reset | Y | Y | Y | Electronic Pump Activation | Y | Y | Y |
| Read freeze frame | Y | Y | Y | Throttle | Y | Y | Y | ADAS Calibration | Y | Y | Y |
| Actuation test | Y | Y | Y | TPMS Reset | Y | Y | Y | Speed Limit | Y | Y | Y |
| Battery Pack Test | Y | Y | Y | ABS Bleeding | Y | Y | Y | Clutch Adaption | Y | Y | Y |
| AC compressor test | Y | Y | Y | Injector Coding | Y | Y | Y | SRS | Y | Y | Y |
| 48V Motor Test | Y | Y | Y | Key Programmer | Y | Y | Y | AdBlue Reset | Y | Y | Y |
| OBC Test | | | | Gearbox Match | | | | EGR Relearn | Y | Y | Y |
| DCDC Test | Y | Y | Y | Suspension | Y | Y | Y | FRM Reset | Y | Y | Y |
| TPMS Functions | N | N | N | Window Initialization | Y | Y | Y | Nox Reset | Y | Y | Y |
| Full special function | Y | Y | Y | Seat Calibration | Y | Y | Y | VIN | Y | Y | Y |
| ECU Configuration | Y | Y | Y | Headlight | Y | Y | Y | VGT Relearn | Y | Y | Y |
| BMW TEST PLAN | Y | Y | Y | ECU Configuration | Y | Y | Y | HV Battery | Y | Y | Y |
| Offline Coding | Y | Y | Y | A/F settings | Y | Y | Y | A/C Relearn | Y | Y | Y |
| Programmable module installation | Y | Y | Y | Start/Stop Reset | Y | Y | Y | Rain/Light Sensor | Y | Y | Y |
| Online ECU Coding | Y | Y | Y | Airbag Repair | Y | Y | Y | Reset control unit | Y | Y | Y |
| Online ECU Programming | Y | Y | Y | Instrument Cluster | Y | Y | Y | Odometer Read | Y | Y | Y |
| J2534 Protocol | N | N | N | Language Change | Y | Y | Y | Radar Learning | Y | Y | N |
| | | | | RPS Reset | Y | Y | Y | Sunroof Initialization | Y | Y | N |
| | | | | BMS Data | Y | Y | Y | GPF Regeneration | Y | Y | N |
| | | | | BMS Chip Recovery | N | Y | N | Coolant Replacement | Y | Y | N |
| | | | | ECU Reset | Y | Y | N | Camshaft Learning | Y | Y | N |
| | | | | Gateway Simulation | Y | Y | N | ... | | | |

02

AUTO KEY PROGRAMMERS

Core Products

X₂PROG SERIES / X100PAD ELITE 2 /
INPLUS IK618 E / KC501 /
ANYTOYO SK1 / X100PADS /
X100PRO3 / KS-1 / M822



X₂PROG SERIES

Professional ECU & key Programmer



X100PAD ELITE 2

Professional Tablet Key Programmer



INPLUS IK618 E

Automotive Key Programmer



KC501

Professional Key & Chip Programmer



ANYTOYO SK1

Toyota Smart Key Emulator



X100 PADS

Automotive Key Programmer



X100PRO3

Portable & High-performance Tablet



KS-1

Toyota/ Lexus Smart Key Emulator



M822

Smart Key Programmer

PRODUCT SERIES

XTOOL Intelligent Auto Key Programmers can not only provide customers with professional key programming, but also supplies advanced special functions.

With a wide range of supported vehicle models, this series is perfect solutions for workshops and technicians who demand professional key programming experience.

X₂PROG SERIES

Professional ECU & Key Programmer

The X₂PROG Series is a professional-grade ECU programming and key programming solution designed for automotive experts. It supports EEPROM and MCU reading/writing, ECU data modification, and key programming across various vehicle brands. Equipped with multiple connection methods (BOOT, BENCH, and OBD), the X₂PROG Series provides precise data extraction and modification for performance tuning, ECU repair, and key programming.

PRODUCT FEATURES

Comprehensive ECU & Key Programming

Supports reading / writing EEPROM, MCU, and ECU data for tuning, repair, and key programming.

Advanced Key Programming

Supports Mercedes-Benz IR key programming, transponder reading / writing, and key cloning.

Supports Major Vehicle Brands

Compatible with a wide range of ECUs, immobilizers, and dashboards from top manufacturers.

Multiple Connection Methods

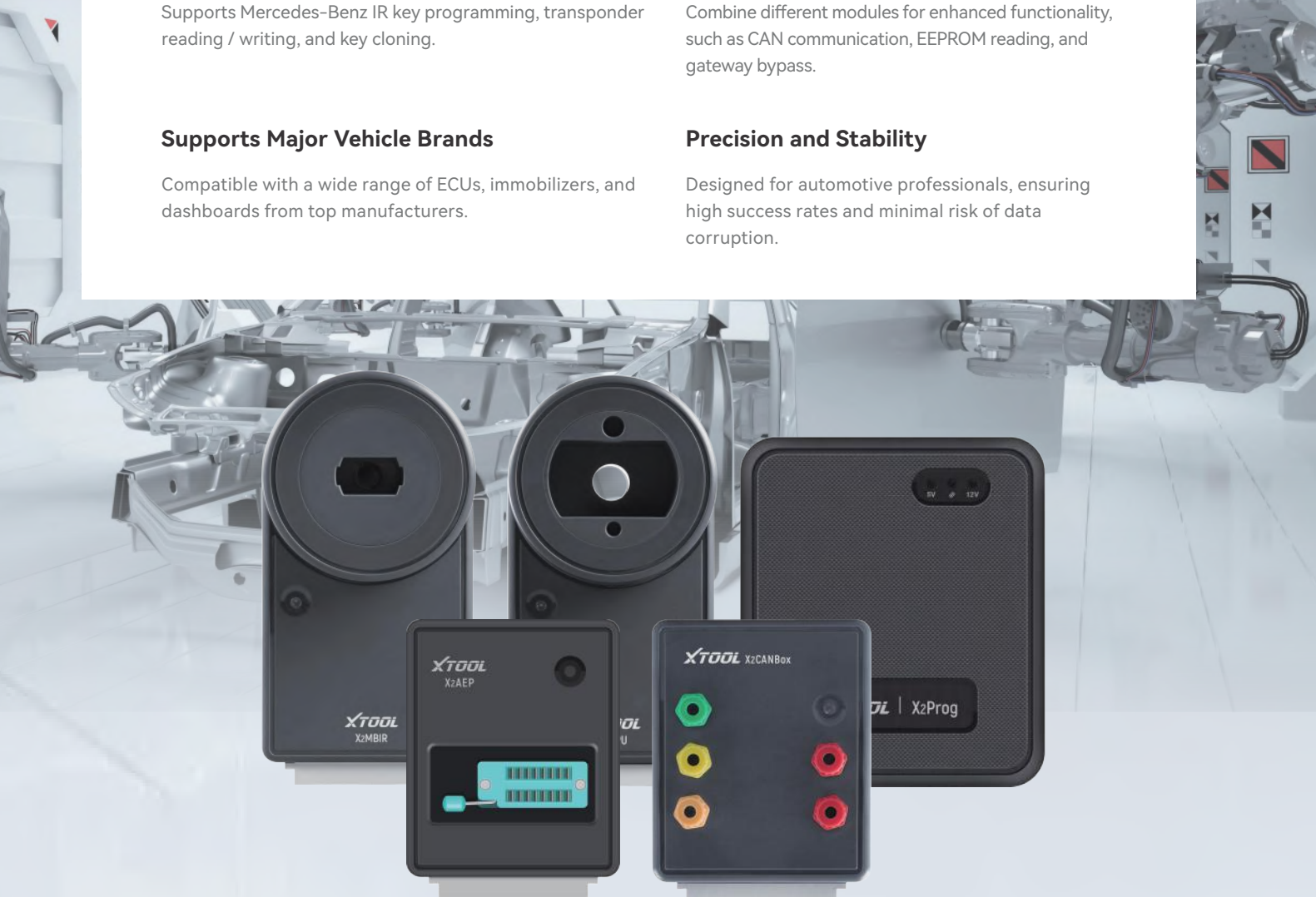
Utilizes BOOT, BENCH, and OBD communication for flexible and reliable module access.

Modular System Design

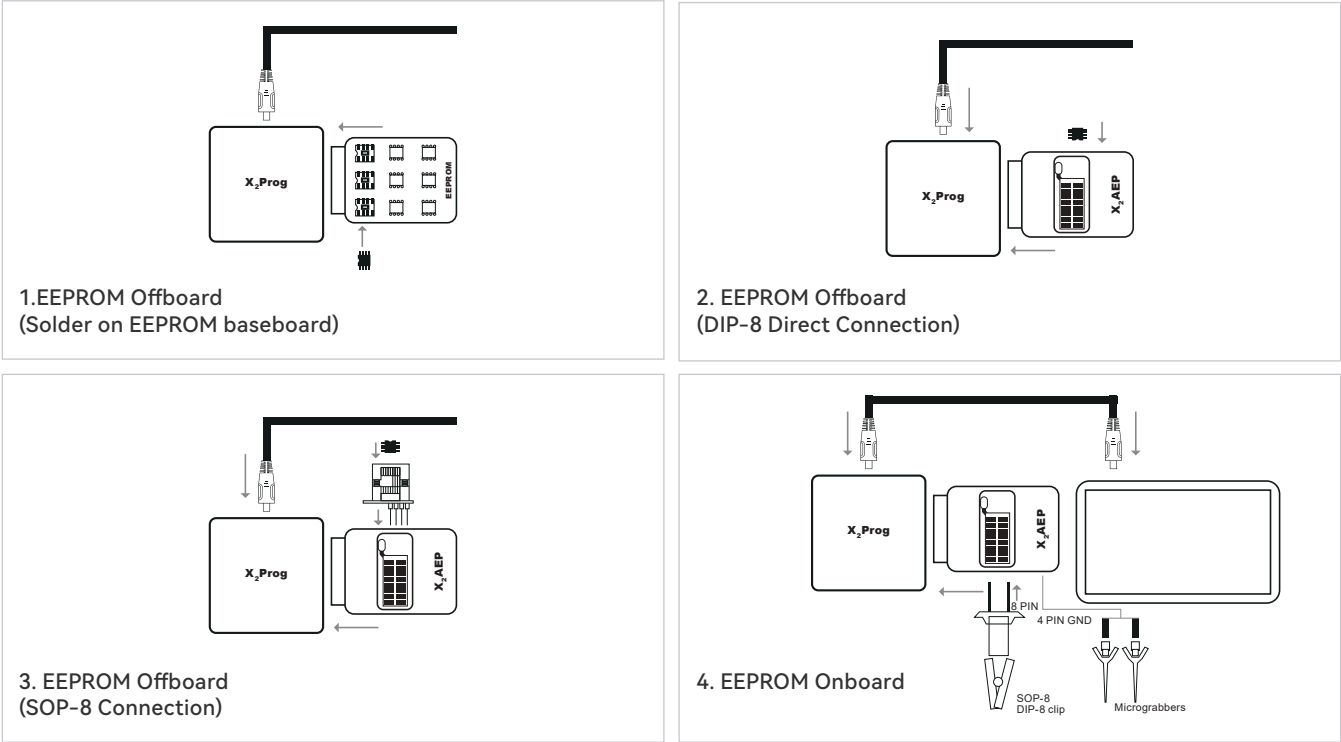
Combine different modules for enhanced functionality, such as CAN communication, EEPROM reading, and gateway bypass.

Precision and Stability

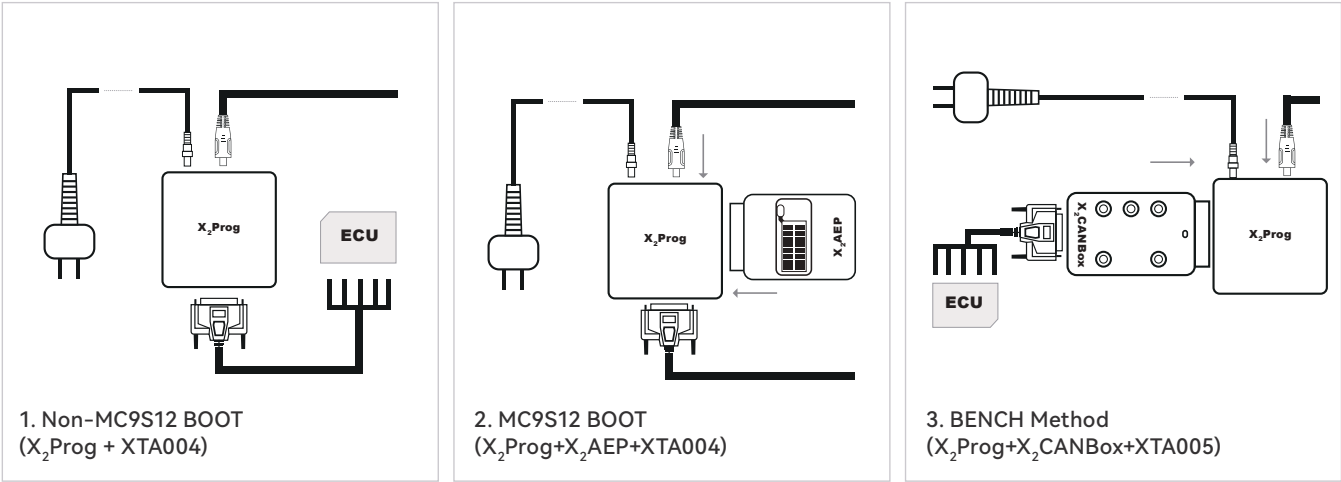
Designed for automotive professionals, ensuring high success rates and minimal risk of data corruption.



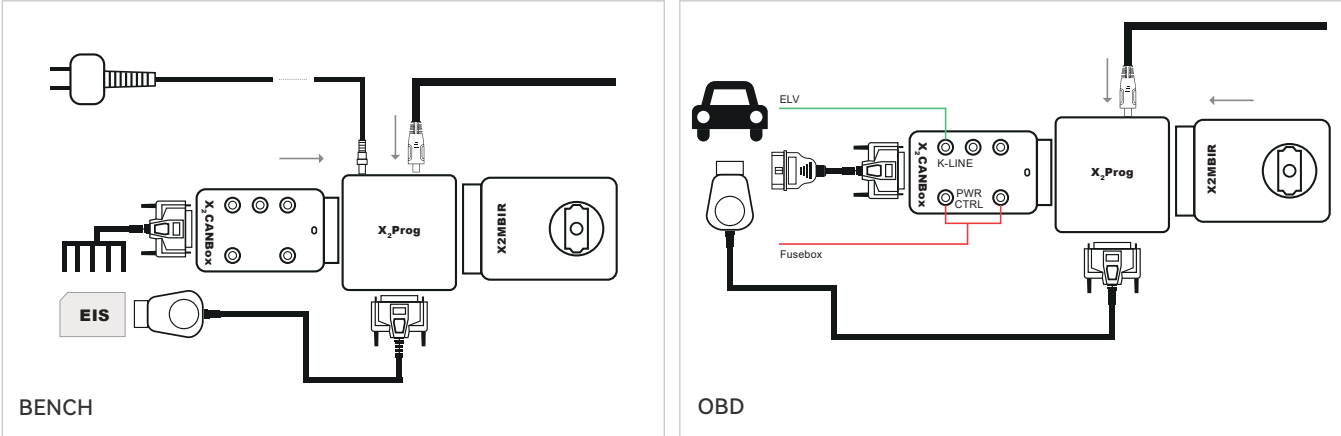
MULTIPLE WAYS TO READ EEPROMS



MULTIPLE WAYS TO PROGRAM ECUs



MERCEDES-BENZ KEY PROGRAMMING



X100PAD ELITE 2

Tablet Key Programmer

Rich & Advanced Functions / Support DoIP & CANFD

X100PAD Elite 2 is the latest automotive key programming device powered by Xtool. Evolved from the classic X100PAD Elite, this 8-inch tablet now equipped with the brand-new Android 10 OS and app platform, making it one of the best programming tool for professional locksmiths.

PRODUCT FEATURES

- Multi-functions
- Wide Coverage
- Wireless Supported
- BENCH Applications
- 41 Special Functions

PARAMETERS

| | |
|------------------------|--|
| Connectivity | USB Type-C & WIFI 2.4/5G |
| Operating System | Android 10.0 |
| Processor | Quad-core processor 1.5GHz |
| Memory | 4G RAM, 64G ROM |
| Display | 8.0-inch touch screen with 1024×768 resolution |
| Battery | 5000mAh, 7.3V lithium-polymer battery |
| Sensors | Gravity Accelerometer, Ambient Light Sensor |
| Auto Input / Output | Microphone.Speaker |
| Protocol compatibility | CANFD, DOIP, PWM |

INPLUS IK618E

Automotive Key Programmer

InPlus IK618E is a professional key programmer machine that supports full system diagnosis, including reading & clear DTCs, dataflow reading, and actuation tests for all systems. All-in-one special functions expert with 30 functions like SAS / EPB/DPF / etc. Full compatibility and full functions on a compact-sized tablet, make IK618E a great tool for locksmith businesses.

PRODUCT FEATURES

- 30 Special Functions
- Full System Diagnosis
- Wide Coverage

PARAMETERS

| | |
|-------------------|-----------------------------------|
| CPU | Quad-core 1.5GHz |
| Operation System | Android |
| RAM / ROM | 2G / 64G |
| I / O Voltage | 5V / 3.65V |
| Capacity | 5000mAh |
| Connectivity | Bluetooth, USB-A, DB15 (VGA) |
| Power Consumption | 8W |
| Screen | 7.0-inch, 1024x600px touch screen |

X100 PADS

Automotive Key Programmer

X100PADS is an automotive key programming device with a 7-inch LCD display and Android 10 OS, which is designed for locksmiths, vehicle owners and car mechanics. It supports vehicle programming for 2,000+ models under 60+ car manufacturers, providing solutions on reading immobilizer data, extracting pincode, add keys, all keys lost, remote programming, etc.

PRODUCT FEATURES

- Wide Coverage
- EEPROM Modifying
- Portable but Powerful
- OBD2 Universal Diagnosis
- Various Features
- 31 Special Functions

PARAMETERS

| | |
|-------------------|--|
| Display | 7.0-inch touch screen with 1024×600 resolution |
| CPU | Quad-core processor 1.5GHz |
| Operating System | Android 10 |
| Memory | 2G RAM, 64G ROM |
| Battery | 2500mAh, 7.3V lithium-polymer battery |
| Working Voltage | 9-36V |
| Communication | Wired |
| Connectivity | DB15 TO VGA, USB Type-C, WIFI 2.4/5G |
| Dimension (L×W×H) | 234.6×31.0×149.0 mm |



KC501

Professional Key & Chip Programmer

Designed for Mercedes-Benz

Powerful in functions and fashionable in appearance, KC501 is a professional Key & chip programmer which can not only read,write keys and read key remote frequency, but also generate dealer keys. It support read and write MCU / EEPROM chips, reach and write Mercedes Infrared keys. Moreover, it support PC connection which brings you better user experience.

PRODUCT FEATURES

- Dealer Key Generator
- Mercedes-Benz IR Key
- Key Frequency & ID Reading
- EEPROM Modifying
- ECU Programming

PARAMETERS

| | |
|-----------------|---------------------|
| Power supply | DC 5V/12V |
| Port | DB26, USB-B, DC 12V |
| Appearance Size | 177 * 85 * 32 (mm) |
| Weight | 0.32 KG |

ANYTOYO SK1

Toyota Smart Key Emulator

Toyota Key Data Collector & Emulator
Safest Solutions on Toyota/Lexus Key Programming

XTool AnyToyo SK1 is a data collector, as well as a smart key emulator, allowing you to do a key cloning process in add key / all keys lost situations for 2013+ Toyota models with the smart key. AnyToyo SK1 can also do an emergency start when there is no key available on your hand and generate new keys using AnyToyo smart key that comes with the set.

PRODUCT FEATURES

- Pin Free, Bench Free, OBD Free
- Load IMMO Data Safe
- OEM-Level Keys Inside
- All Keys Lost / Emergency Start

PACKING LIST

- AnyToyo SK1 Smart Key Emulator X1
- AnyToyo 8A-Universal Smart Key PCB X1

AnyToyo 4A Smart Key PCB x1 (Optional)

PARAMETERS

| | |
|-----------|-----------------------------|
| Port | USB 3.0 |
| Frequency | 315/433MHz (RF) 125KHz (LF) |



ANYTOYO SK1 SUPPORT LIST

The chip information shown on the list may vary in different markets or models. This list is for reference only.

| TOYOTA | | | |
|-------------------------|----------------|---|------------|
| Model | Model YEAR | FCC ID | Chip type |
| 4Runner | 2020-2021, ... | HYQ14FBA, ... | 8A-82, ... |
| Alphard/Vellfire | 2015+ | BK1EW | 8A-85 |
| Aqua/Prius C | 2012-2020 | HYQ14FBA | 8A-82 |
| Avalon | 2019-2022 | HYQ14FBC | 8A-85 |
| | 2019-2022 | HYQ14FBE(315) / HYQ14FCC(433) | 8A-88 |
| bZ4X | 2022+ | HYQ14FBX | 8A-BA |
| Camry | 2018+ | HYQ14FBC(315) / BR2EX(433) | 8A-85 |
| | | HYQ14FLA | 8A-BA |
| C-HR/Izoa | 2017-2020 | BR2EX | 8A-88 |
| | 2018-2021 | MOZBR1ET | 8A-85 |
| Corolla (Altis) | 2019+ | HYQ14FBN(315) / B2U2K2R(433) | 4A |
| Corolla Cross | 2022+ | HYQ14FBW | 4A |
| Crown | 2023+ | | 8A-BA |
| Fortuner | 2016-2019 | BM1EW | 8A-82 |
| | 2020-2021 | HYQ14FBA | 8A-82 |
| Harrier/Venza | 2021+ | HYQ14FBX | 8A-BA |
| Highlander | 2018-2020 | HYQ14FBA | 8A-82 |
| Crown Kluger | 2020+ | HYQ14FBC(315) / HYQ14FCN(433) | 8A-88 |
| Innova | 2021+ | B3H2K2R | 4A |
| Land Cruiser | 2016-2019,... | HYQ14FBA, BH1EK / BH1EW, BJ2EK / BJ2EW, ... | 8A-82, ... |
| Land Cruiser Prado | 2018-2019 | HYQ14FAK(312) / HYQ14FCF(433) | 8A-82 |
| | 2020-2023 | HYQ14FCC | 8A-85 |
| Mirai | 2016-2020 | HYQ14FBA | 8A-82 |
| | 2021-2022 | HYQ14FLA | 8A-BA |
| Prius (Prime) | 2016-2021, ... | HYQ14FBC, ... | 8A-85, ... |
| RAV4 (Prime) Wildlander | 2013-2018, ... | HYQ14FBA, ... | 8A-82, ... |
| Sequoia | 2019-2021 | HYQ14FBA | 8A-82 |
| | 2021-2023 | HYQ14FBB | 8A-85 |
| Sienna | 2021-2022 | HYQ14FBX | 8A-BA |
| Tacoma | 2015-2021 | HYQ14FBA | 8A-82 |
| | 2021-2023 | HYQ14FBB | 8A-85 |
| Tundra | 2019-2021 | HYQ14FBA | 8A-82 |
| | 2021-2023 | HYQ14FBB | 8A-85 |
| Yaris (Cross) | 2020+ | | 8A-BA |

| LEXUS* | | | |
|--------|----------------|---|--------------|
| ES | 2019-2023 | HYQ14FBF / HYQ14FBZ | 8A-88 |
| GX | 2020+ | HYQ14FBF | 8A-85, 8A-88 |
| LC | 2018-2020 | HYQ14FBF | 8A-85 |
| | 2020-2021 | HYQ14FBZ | 8A-88 |
| IS | 2014-2019 | HYQ14FBA(315) / BG1EK(433) | 8A-82 |
| | 2021+ | HYQ14FLB | 8A-85 |
| LS | 2018-2022 | HYQ14FBF | 8A-88 |
| LX | 2016-2019, ... | HYQ14FBA(315), BG1EW / BG1EK(433), ... | 8A-82, ... |
| | 2015-2020 | HYQ14FBA / HYQ14FDD-04(315), BG1EW / BG1EK(433) | 8A-82 |
| NX | 2021+ | HYQ14FLB | 8A-85 |
| RC | 2014-2020 | HYQ14FBA(315) / BG1EK(433) | 8A-82 |
| RX | 2016-2020, ... | HYQ14FBB(315), BP1EK / BP1EW(433), ... | 8A-85, ... |
| UX | 2019-2022 | HYQ14FBF / HYQ14FBZ | 8A-88 |

KS-1

Toyota Smart Key Simulator



KS-1 is a 5 in 1 simulation card which can eliminate the need to disassemble the smart box and other modules. As long as the original car data is read from the OBD to generate the simulation card, the ignition switch can be turned on to realize the function of clearing and adding the smart key.

PRODUCT FEATURES

- Key Emulator Toyota/Lexus Smart
- Time Saver on Programming
- Used on Various Chips

PARAMETERS

| | |
|------------------------|--|
| Battery | CR20253V 165mAh |
| Standby Current | Standby current<2A |
| Read & Write Frequency | 125kHz |
| Status Indicator Lamp | lpc |
| Update | The simulation card firmware can be updated with KC100 |
| Structure Size | 66mmx40mmx12mm |

X100PRO3

Compact Key Programmer

Lifetime Free Updates



X100PRO3 supports key programming and several special functions. This equipment is anti-seismic and durable, which can meet the actual needs of different users such as automobile repair factory and workshop.

PRODUCT FEATURES

- IMMO Programming for More Than 30 Brands
- EEPROM Programming and Various Functions
- Support 8 Special Functions
- Support Full Diagnostic Functions
- Lifetime Free Updates

PARAMETERS

| | |
|-----------------------|--------------------------------------|
| Monitor | 320x480 dpi TFT color display screen |
| Ports | USB Type C, DB15 |
| Operating temperature | -10°C-50°C |
| Storage temperature | -20°C-60°C |
| Appearance size | 200×92×33mm |
| Net Weight | 0.4kg |

M822

Smart Key Programmer

Toyota 8A All Blade Key LostProgramming



M822 Communication Adapter is used for finishing all key lost programming for Toyotas with 8A chip blade keys. (H keys are not included)

This adapter is also integrated with the functions of M821 Adapter, which allows you to finish and optimize the process for all key lost programming for Mercedes-Benz with various FBS3 modules.

M822 Adapter needs to be used with advanced XTOOL Key Programming Devices.

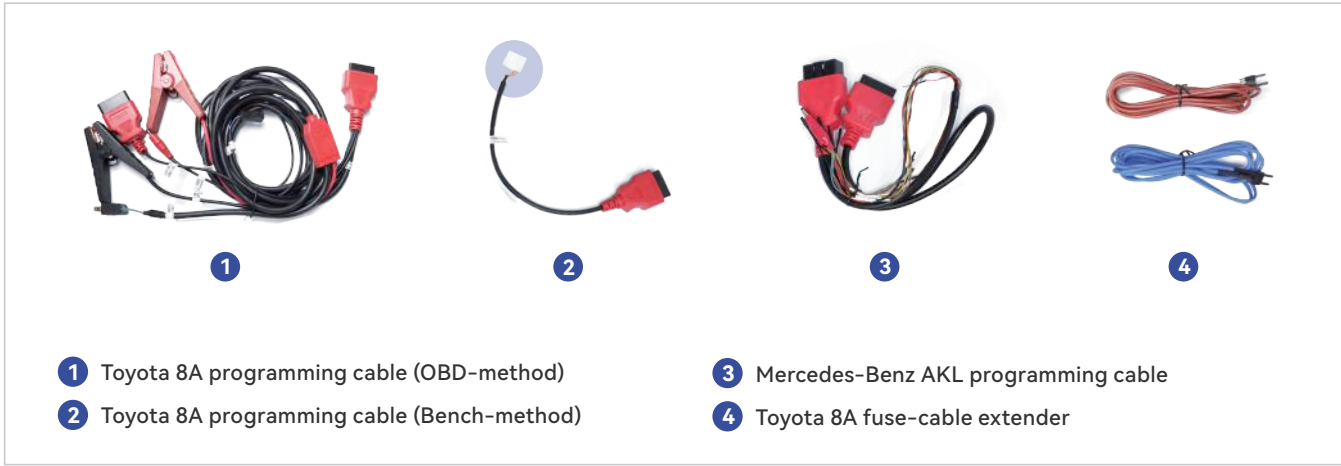
PRODUCT FEATURES

- Support all keys lost for Mercedes-Benz (FBS3) & Toyota (8A non-smart key)
- Speed up calculation & easier data collection for Mercedes
- Get IMMO data by OBD or on bench for Toyotas

ACCESSORIES NEEDED

- XTOOL M822 Adapter (With 8A Cable)
- KC100 or KC501 Programmer(KC501 needed when working on Mercedes)
- KS-1 Emulator(when working on Toyotas)

CABLES



- 1 Toyota 8A programming cable (OBD-method)
- 2 Toyota 8A programming cable (Bench-method)
- 3 Mercedes-Benz AKL programming cable
- 4 Toyota 8A fuse-cable extender

DESCRIPTIONS FOR OTHER CABLES

Nissan 16+32 CGW Adapter for Sentra/Sylphy (B18)

- Used for key programming for 2019-2022 Nissan Sentra / Sylphy (B18 chassis)
- Bypass CGW controller inside vehicle systems

Ford Alarm Bypass Cable

- Solve the alarm activation issue when working on all-keys-lost situations on 2013+ Ford / Lincoln models
- Controls power on / off of the vehicle
- Get immobilizer data when alarm is active

FCA 12+8 SGW Adapter Cable

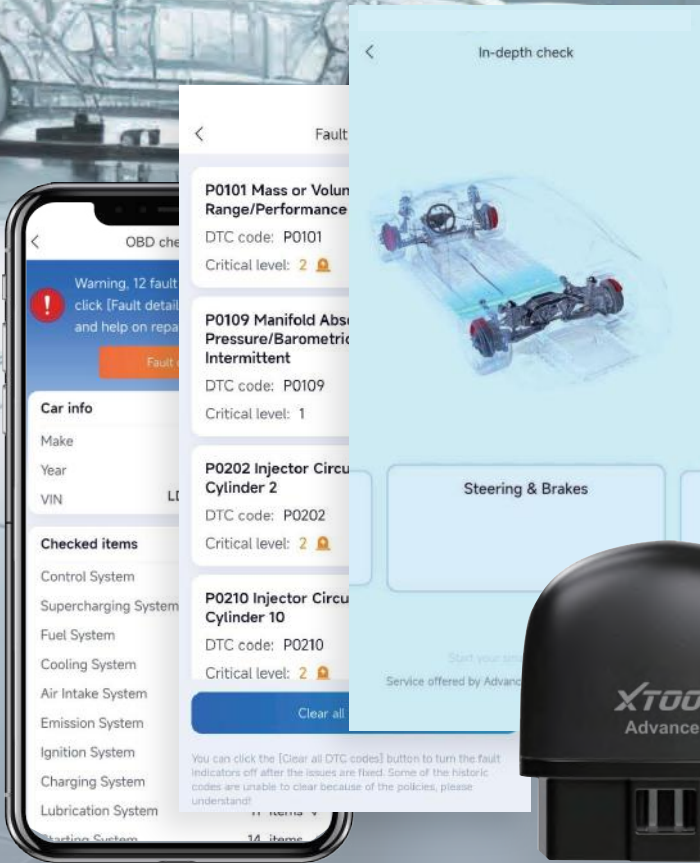
- Used for key programming for 2019+ Chrysler / Jeep / Dodge / other FCA models
- Bypass the gateway from the vehicle

03

OBD2 CODE READERS

Core Products

AD20 / AD20 PRO / A30M



AD20



AD20 PRO

INTRODUCTION

Advancer AD20 is a Smart OBD Dongle with an integrated diagnostic module and cloud services. Connected via Bluetooth, controlled by the smartphone. AD20 is a great tool for all vehicle owners. It Provides various functions like DTC scanning, Components tests, trip recording, driving skills monitoring, etc.

Advancer AD20Pro is a Smart OBD Dongle that communicates with a smartphone using Bluetooth. AD20Pro works the same with AD20, but it provides more useful functions like maintenance light reset as well as full-system diagnostics. Comparing to AD20, AD20Pro can check the DTC codes not only inside the engine, but also the chassis, transmission, suspension and more.

FEATURES

- Vehicle Diagnostic
- Live Data
- Maintenance Light Reset
- Trip Recorder
- Driving Behavior Monitor

- Full system diagnosis (read / clear code)
- Maintenance light reset repair
- Vehicle Diagnostic
- Live Data
- Driving Behavior Monitor

PARAMETERS

| | | |
|---------------------|--|--|
| Processor | ARM Cortex-M4 | ARM Cortex-M4 |
| Interface | OBDII standard interface | OBDII standard interface |
| Bluetooth | Bluetooth | Bluetooth |
| Working Voltage | 9V - 16V | 9V-16V |
| Working Current | 100mA 12V | 100mA 12V |
| Sleeping Current | 100mA 12V | 100mA 12V |
| Working Temperature | -20~60°C | -20~60°C |
| Weight | ~40g | ~40g |
| Support Bus | CAN_BUS, K_LINE, L_LINE, SAE-J1580-VPW SAE-J1580-PWM | CAN_BUS, K_LINE, L_LINE, SAE-J1580-VPW SAE-J1580-PWM |

FUNCTION LIST

| | | |
|-----------------------------------|---|---|
| OBDII read&clear fault code | ✓ | ✓ |
| OBDII live data | ✓ | ✓ |
| Full system read&clear fault code | | ✓ |
| ECU Test (read&clear code) | ✓ | ✓ |
| Service light reset | | ✓ |
| Trip recorder | ✓ | ✓ |
| Driving Monitor | ✓ | ✓ |
| Smog Check | ✓ | ✓ |
| Throttle carbon build-up test | ✓ | ✓ |
| Battery test | ✓ | ✓ |
| Acceleration test | ✓ | ✓ |
| Smart Dashboard | ✓ | ✓ |

ANYSCAN A30M

Portable Wireless Scan Tool

Scan Any, Scan Quickly
Compatible with IOS and Android System



The Anyscan A30M is a compact, full-system wireless diagnostic tool that fits right in your pocket. Designed to work seamlessly with mobile phones and tablets, it supports both iOS and Android platforms. Covering a wide range of vehicle brands and systems, it offers powerful special functions like service light reset, DPF regeneration, and EPB reset, making it an ideal tool for professional and DIY automotive diagnostics.

PRODUCT FEATURES

- **Product Positioning**
Full system wireless scan tool
- **Target consumers**
DIYer, Mechanic, electrician, after-sales repair shop,
Both IOS and Andoird mobiles are supported
- **Support 9 Languages**
German, English, Spanish, French, Italian, Polish, Portuguese, Russian, Turkish

PARAMETERS

| | |
|-----------------------|---|
| Display | 1 inch |
| CPU | STM32 |
| Interface | OBD interface |
| Bluetooth | 3.0 / 4.0 compatible, + EDR dual mode |
| Memory | 512KB |
| LED lights | Bluetooth indicator, power indicator, vehicle diagnostic light, light indicator |
| Dimensions | 87.00 x 50.00 x 25.00 mm (3.43 x 1.97 x 0.98 inches) |
| Lighting Power Supply | 100mAh |

PARAMETERS(23)

| Special Functions | A30 | A30D | A30M |
|----------------------------|-----|------|------|
| OilReset | ✓ | ✓ | ✓ |
| EPB | ✓ | ✓ | ✓ |
| SAS | ✓ | ✓ | ✓ |
| DPF | ✓ | ✓ | ✓ |
| Throttle | ✓ | | ✓ |
| BMS Reset | ✓ | ✓ | ✓ |
| TPMS Reset | ✓ | ✓ | ✓ |
| ABS Bleeding | ✓ | ✓ | ✓ |
| Injector Coding | | ✓ | ✓ |
| Gearbox Match | | ✓ | ✓ |
| Airbag Reset | | ✓ | ✓ |
| Gear Learning | | ✓ | ✓ |
| Suspension | | | ✓ |
| Windows Initialization | | | ✓ |
| Seat Match | | ✓ | ✓ |
| Headlight | | | ✓ |
| Instrument Cluster | | | ✓ |
| Transport Mode | | | ✓ |
| Tire Upgrade | | ✓ | ✓ |
| Power Balance | | | ✓ |
| Electronic Pump Activation | | | ✓ |
| Reset control unit | | | ✓ |
| AC Learning | | | ✓ |



04

TPMS SERVICE

Core Products

XTireProbe / TP150 /
TS100 PRO / TS218 NFC



XTireProbe

TPMS Diagnostic Tool

VCI functions on standalone basis via wireless connection
Integrating TPMS, diagnostics, and service functions
1-second TPMS upgrade (for single vehicle models)



XTireProbe is a state - of - the - art handheld automotive diagnostic device. Tailored for the automotive diagnostic industry, it integrates tire pressure monitoring, vehicle diagnosis, and maintenance functions. With its innovative design, advanced operating system, and user - friendly features, it offers an unparalleled experience for both professional mechanics and car enthusiasts.

PRODUCT FEATURES

- Basic TPMS Functions**
Activation, Diagnosis, Relearning, Programming, Vehicle model and year lookup, Tire count inquiry by model, OE sensor information lookup, Part number lookup, Printed ID lookup
- Special Functions**
Injector Coding, ABS Bleeding, TPMS Reset, TPMS Monitoring, EPB (Electronic Parking Brake) Reset, Throttle Position Matching, DPF Regeneration, Oil Light Reset, Steering Angle Calibration, Battery Matching
- Maintenance Functions**
Tire Upgrade Configuration, Tire Pressure Inspection, Battery Health Check
- Diagnostic Functions**
Read DTCs, Clear DTCs

PRODUCT FEATURES

New - Generation UI

Boasts an all - new UI, a fresh design exclusively developed by XTOOL for intuitive operation.

Optimized Linux System

Runs on an optimized Linux system, delivering ultra - fast response and upgrade speeds.

1 - second TPMS Upgrade

Achieves a 1 - second TPMS upgrade for individual vehicle models, saving valuable time.

Independent VCI for Wireless Activation

Features an independent VCI for wireless activation, breaking free from wired limitations for flexible use.

Multi - functional Integration

Integrates TPMS, diagnostics, and service functions in one compact device for comprehensive automotive care.

Long - lasting Battery Life

Equipped with a battery offering long - lasting power, ensuring continuous operation without frequent recharging.

PARAMETERS

| | | | |
|-------------------|--|--------------|---------------------------------------|
| CPU | Allwinner T113-S3 | TPMS Antenna | Supported (125KHz + 433MHz / 315MHz) |
| Memory (DDR) | 128MB DDR3 (built-in) | LCD Display | 5.45" (720×1440), 300 nits brightness |
| Storage (Flash) | 32GB | Touch Screen | Supported (In-cell touch technology) |
| Wi-Fi | RTL8821 (Internet access, dual-band 2.4GHz / 5.8GHz) | Buzzer | Supported |
| VCI Communication | ESP32 (2.4GHz single-band for VCI communication) | Type-C Port | Supports USB 2.0 protocol |

TP150

TPMS Diagnostic Tool

The TP150 is a professional tire pressure diagnostic tool, integrating TPMS programming, diagnosis, and matching. It supports 315MHz & 433MHz sensor activation, diagnoses thousands of vehicle models, and wirelessly programs 1-8 TS100 universal sensors, ensuring broad compatibility.

PRODUCT FEATURES

- Support TPMS Diagnosisfor 95% Models
- Dual-Frequency 315 / 433MHzSensor Detector
- Programming up to 8 TS100 Sensors at a Time
- Support Various Programming Methods

PARAMETERS

| | |
|--------------------------|--------------------------------------|
| Display | 320 x 480 dpi TFT colorful screen |
| battery capacity | 3000mAh 3.7V lithium polymer battery |
| Communication | Wired |
| Interface | USB TypeC, DB15 |
| Weight | 0.4KG |
| Dimension (L×W×H) | 200 × 92 × 33mm |
| Maximum charging current | 1.2A |



TS218 NFC

Advanced Multi-Platform TPMS Sensor

Universal Compatibility & Dual-Frequency
Premium Performance, Longevity
Smart Learning via Mobile App



TS218 NFC Tire Pressure Sensor is a smart, in-tire safety device featuring built-in NFC technology for fast pairing and easy system reset via mobile devices. Its integrated valve design ensures simple installation and a sleek look, while real-time wireless transmission keeps drivers informed of tire pressure and temperature at all times.

PRODUCT FEATURES

- Smartphone - Enabled Sensor Programming Leverages NFC technology to enable direct sensor configuration via mobile devices - eliminating the need for dedicated TPMS tools.
- Adaptive Dual - Frequency Design (315MHz / 433MHz) Supports seamless switching between standard global frequencies, ensuring compatibility with over 98% of vehicles.
- OE-Grade Precision with Advanced Chipset Equipped with a high-performance sensor chip to deliver original equipment-level accuracy, stability, and responsiveness.
- Extended Service Life Built for durability with a projected lifespan of 3 - 5 years under normal operating conditions.
- Embedded Technical Resources via XTOOL TPMS App Provides access to built-in OE data, sensor specifications, and step - by - step relearn procedures for improved operational efficiency.

PARAMETERS

| | |
|-----------------------|--------------------------------|
| Operating System | Microcontroller-based system |
| Communication Methods | NFC and Radio Frequency (RF) |
| Sensor Weight | Approx. 13 g |
| Dimensions | 46.1 × 25 x 16.2mm |
| Max.Pressure | 900 kPa (9.0 bar or 130.5 psi) |
| Max.Speed | 240km / h(150mph) |
| Temperature Range | -40°C ~ 85°C |

TS100 PRO is a general - purpose programmable tire pressure sensor developed by Xtool. It can replace the original sensor of vehicles equipped with TPMS. About 99% of the models on the general market are suitable. It integrates 315MHz and 433MHz dual frequency. It can be activated, can be programmed unlimitedly, can be matched.

PRODUCT FEATURES

- 315 / 433MHz Dual Frequency
- Easily Programmed by TP150 / TP200
- 3-5 Years Long Life Span
- Monitor Live Tire Pressure Data
- 10°~45° adjustable angle

PARAMETERS

| | |
|-----------------------------|--------------------|
| Battery Life | ≥5 years |
| Operating Temperature | -40°C ~ 105°C |
| Size | 46.1 × 16.2 × 25mm |
| Adjustment Angle | 10°~45° adjustable |
| Waterproof Rating | IP67 |
| Pressure Monitoring Range | 0 - 900kPa |
| Pressure Accuracy | ±10kPa |
| Weight (without air nozzle) | 138 |
| Shell material | PA66+GF30 |

TS100 PRO

Programmable Universal Tire Pressure Sensor

Can be Activated & Programmed Unlimitedly



06

ADAS CALIBRATION

Core Products

XTOOL ASCT - 1000 ADAS
CALIBRATION SYSTEM

ASCT-1000

Preciser & Faster Calibration

XTOOL Intelligent ADAS Calibration System covers mainstream high-end models on the market, and it's equipped with OE-level calibration parameters, supports common ADAS systems including ACC, LDW, AVM, BSM, NVS, etc. The XTOOL self-developed centering fixture clamp makes one-man operation feasible, centering process can be completed within 5 minutes, enhancing your calibration efficiency by 50%.

Intelligent ADAS Calibration

5 - Minute Centering Process Millimeter-level Calibration

Support Systems

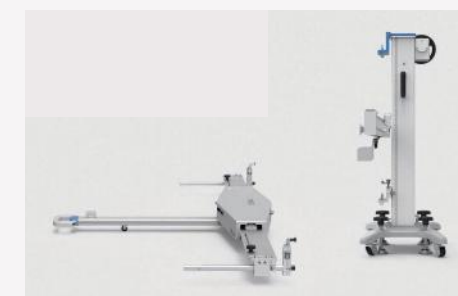
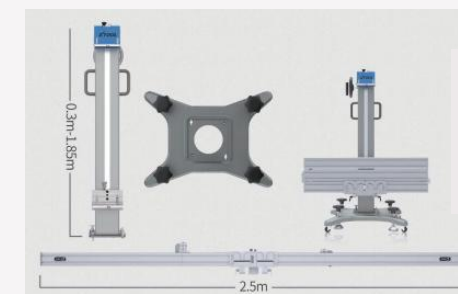
Volkswagen, Audi, Smart, Bmw, Mercedes-Benz, Toyota, Kia, Nissan, Mazda, Subaru, Hyundai, etc

Cover Mainstream High-end Models

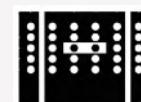
Support Common ADAS Systems including ACC, LDW, AVM, BSD, NVS

Support Systems

Whole calibration efficiency can be enhanced by 50%, one - man operation is feasible



ADAS Calibration Target



VW/Audi/Porsche
- LDW Calibration
Board



Mercedes-Benz -
LDW Calibration
Board



Mercedes-Benz
Smart/ Renault/
Nissan/ Infiniti - LDW
Calibration Board



Nissan/ Infiniti -
LDW Calibration
Board



VW/Audi/Porsche/B-
MW/Nissan/Mitsubishi - ACC Radar
Reflector



VW/Audi/Porsche
/GM - Night Vision
Calibrator



VW/Audi/Porsche
Calibration Tools



Nissan Type 2 - AVM
Calibration Mat



With Doppler
Calibrator Installer For
VW/Audi/Porsche

COOPERATIVE PARTNERS



XTool J501

The New Era of Automotive

Diagnostic Solutions

