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正面

XADVANCER

Smart OBD II Dongle

xtool
Advancer

Start your smart OBD II life

90.00 mm

62.00 mm

Product Description

Advancer Smart OBD II Dongle is a smart diagnosis terminal that communicates with your Android/iOS devices via Bluetooth. With the Advancer app, AD20 provides services like vehicle health check, diagnosis, driving habits analysis for car owners.

Main Functions

1) OBD-Ⅱ Code Check
Advancer AD20 can read and categorize the fault codes (DTCs) that storage inside the vehicle ECU via standard OBD-Ⅱ protocols.

2) In-depth Check
In-depth check function allows you to do thorough check on vehicle systems like engine, powertrain, brakes, steering, safety, infotainment and so on, which helps owners to know the health condition of the car clearly and provide safe and comfortable driving experience

Note:In-depth check on all systems is only supported on AD20 Pro; AD20 supports in-depth check on engine only.

3) Live Data
When the car is started, Advancer will provide and demonstrate detailed vehicle status like battery voltage, engine revolution speed, coolant temperature, engine load, fuel trimming and so on. This will help you to get the real-time working conditions of the car.

4) Maintenance Light Reset
Reset the maintenance counter and turn off the maintenance light after finishing maintenance. For your driving safety, make sure you have followed the manual when doing maintenance to

Note:Maintenance light is a reminder set by car manufacturer, which reminds drivers to do maintenance when needed. When the reminder is on, the car will show info on the dashboard screen, or simply shows a light.
Maintenance Light Reset is only supported on AD20 Pros.

5) Trip Recorder
When driving, Advancer will record the index like average speed, fuel consumption, mileage, max engine revolution speed, max coolant temperature and shows them on the app. This will help you to know vehicle status and fuel consumption info on the entire trip.
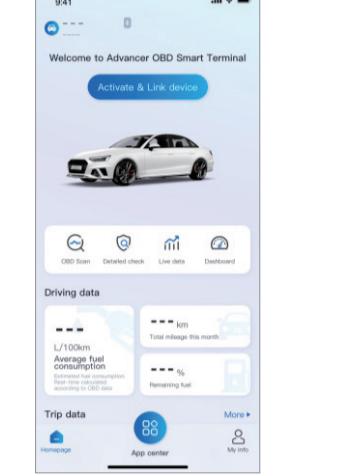
6) Driving Habits Monitor
With the G-sensors inside Advancer, all the sharp turns, emergency brakes and sudden accelerations will be recorded and shown on the app after analyzed. This function will provide data support if you are willing to improve your driving skills.
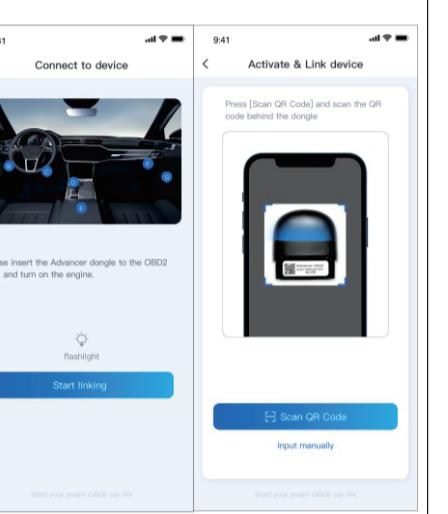
Specifications

Items	Specifications
Processor	ARM Cortex-M4
Supported Protocols	ISO15765-4 CAN (11bit ID, 500Kbaud) ISO15765-4 CAN (29bit ID, 500Kbaud) ISO15765-4 CAN (11bit ID, 250Kbaud) ISO15765-4 CAN (29bit ID, 250Kbaud) ISO9141-2 (5 baud init, 10.4Kbaud) ISO14230-4 KWP (5 baud init, 10.4Kbaud) ISO14230-4 KWP (fast init, 10.4Kbaud) SAE J1850 PWM (41.6Kbaud) SAE J1850 VPW (10.4Kbaud)
Working Voltage	DC 9-36V
Working Current	100mA@12V
Sleeping Current	10mA@12V
Working Temperature	-20~60°C/-4~140°F

How to Use

1) Turn on Bluetooth, click "Advancer" app, sign up (or log in your account), and click "Activate & Link Device".

2) Scan the QR Code on the device, follow the steps on the app and insert your AD20 into the OBD-II port, then turn on the engine.
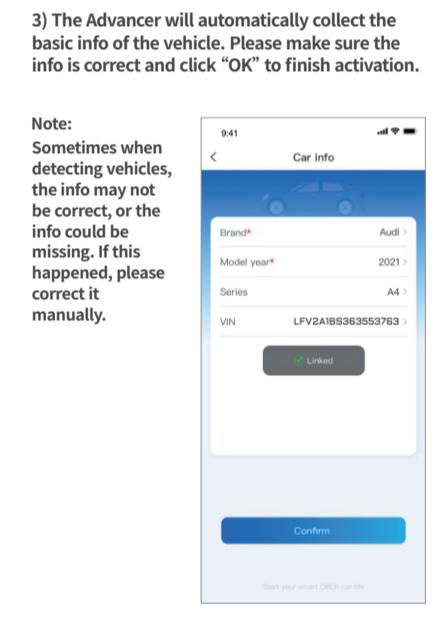
Scan this QR Code or search "Advancer" on Play Store/App Store:

Download APP

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Customer Support: supporting@xtooltech.com

背面

3) The Advancer will automatically collect the basic info of the vehicle. Please make sure the info is correct and click "OK" to finish activation.

Note:
Sometimes when detecting vehicles, the info may not be correct, or the info could be missing. If this happened, please correct it manually.

FAQ

1) Does AD20 support my car ?
Advancer AD20 supports most of the vehicles that use standard OBD-Ⅱ protocols. Please check "Specifications - Supported protocols" for details.

2) Can AD20 plugged inside the vehicle all the time ?
Yes, in daily driving conditions, Advancer AD20 won't cause battery drain out or damage. Advancer AD20 supports low-power Bluetooth which automatically sleeps after the car is turned off for 3 minutes. It will be turned on again when the car is turned on.

3) Why can't I connect to my AD20 ?
1. Click "Advancer" app will let the phone automatically connect to the device so you don't need to find it again in phone settings.
2. Please make sure "Advancer" is allowed to turn on Bluetooth, get location info, and get access to device storage.
3. Make sure that the AD20 is attached firmly to the OBD-II port.
4. Make sure that you are using the app from reliable sources and has already been in latest version.

4) Why can't I communicate with the vehicle ?

1. Make sure the engine has been turned on and is in idle;
2. Please check the brand and model that registered inside the Advancer app is correct.
3. How can I do when the device cannot sign up or log in?
Please check the network on your phone and the account info is correct. If both those are checked but problem still happens, please contact customer support.

6) Why the fault codes couldn't be cleared, or just appears again after cleared ?
1. When clearing codes, please refer to the actual situations to the fault. Usually there are sporadic codes and actual codes:
Sporadic codes: Normally this happens when the component works abnormally in some points, probably because of electromagnetic interference, vibration, poor contact with the wiring and so on. Those codes could be cleared directly.
Actual codes: This happens when there are components that are actually failed. Before clearing those codes, make sure that you have fixed the issue. If the fault lights are on again after clearing codes, that means the faults are not fully fixed - further inspections are needed in those cases.

7) Why there is no lights shown on my dashboard but AD20 scanned that there are DTC codes present ?

1. Not all the DTC codes will trigger the fault lights on the dashboard - the manufacturer will decide which fault will trigger the light and which don't.
2. The ECU may still not fully decide if this is a fault yet. Maybe there are electromagnetic interference or vibration that misleads the ECU. Normally in those cases, the ECU will decide if this is an actual fault after running for several cycles.

8) Why there are fault lights on my car, but the Advancer cannot find any DTC codes ?
Please make sure that the Advancer supports checking current fault codes:
AD20: OBDII Standard fault codes & Engine in-depth check
AD20 Pro: OBDII Standard fault codes & All system in-depth check
e.g.: The ABS light turned on in the dashboard. AD20 cannot show the specific fault code but AD20 Pro can.

9) Why the fault light turned on when doing diagnosis ?
When performing diagnosis, some ECUs will get into diagnosis mode and corresponding fault light will turn on. The light will turn of automatically when the process is over and it is normal, please don't worry.

COMPLIANCE INFORMATION

FCC COMPLIANCE
FCC ID: 2AW3IA102
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1) This device may not cause harmful interference
2) This device must accept any interference received, including interference that may cause undesired operation.

Warning
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and the receiver.
• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Warning Statements:This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

Responsible Party
Company name: TianHeng Consulting, LLC.
Address: 392 Andover Street, Wilmington, MA 01887, United States.
E-mail: tianhengconsulting@gmail.com

ISED COMPLIANCE
IC: 29441-A102
PMN: A102, A102, AD20 Pro
HVIN: A102
English:This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
CAN ICES (B) / NMB (B).
French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est autorisée aux deux conditions suivantes :
(1) Cet appareil ne doit pas provoquer d'interférences.
(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.
This device meets the exemption from the routine evaluation limits in section 6.6 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 6.6 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with IC exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

Cet équipement est conforme aux limites d'exposition IC définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et la carrosserie.

CE
Declaration of conformity
Hereby, Shenzhen XTOOLtech Intelligent Co., Ltd declares that this Smart OBD II Dongle is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), this product allowed to be used in all EU member states.

UKCA
Hereby, Shenzhen XTOOLtech Intelligent Co., Ltd declares that this Smart OBD II Dongle satisfies all the technical regulations applicable to the product within the scope of UK Radio Equipment Regulations (SI 2017/1206); UK Electrical Equipment (Safety) Regulations (SI 2016/1101); and UK Electromagnetic Compatibility Regulations (SI 2016/1091) and declare that the same application has not been lodged with any other UK Approved Body.

技术要求：

1.材质：128克双铜双面四色印刷，过哑油，风琴折，

2.展开尺寸:372*90mm,成品尺寸:62*90mm

材料符合ROHS