



Advancer Smart OBD II Dongle



Start your smart OBD II life

Product Description

Advancer Smart OBD Dongle (AD20/AD20 Pro) is a smart diagnostic terminal that communicates with your Android/iOS devices via BT 5.0. AD20 provides car owners with services such as vehicle health check, diagnosis, and driving habit analysis through the Advancer app.

Main Functions

1) OBD-II Code Check

The Advancer AD20 can read and classify fault codes (DTCs) stored in the vehicle's ECU via the standard OBD-II protocols.

2) In-depth Check

The in-depth diagnostic function allows you to conduct a thorough check of vehicle systems such as engine, powertrain, brakes, steering, safety and infotainment, helping car owners to clearly understand the health status of their car and providing a safe and comfortable driving experience during the journey.

Note: In-depth diagnostics on all systems is only available on AD20 Pro; AD20 supports in-depth diagnostics on the engine only.

3) Live Data

When the car is started, Advancer will provide and display detailed vehicle status such as battery voltage, engine RPM, coolant temperature, engine load, fuel trims and more. This will help you understand how your car is working in real time.

4) Maintenance Light Reset

Reset the service counter and turn off the maintenance light after maintenance is completed. For your driving safety, make sure you follow the manual when performing this function on your car.

Note: The maintenance light is a reminder set by the car manufacturer to remind the driver to perform maintenance when necessary. When the reminder is on, the car will display the information on the dashboard screen, or simply display a light. Maintenance Light Reset is only available on AD20 Pros.

5) Trip Recorder

While driving, Advancer records data such as average speed, fuel consumption, mileage, maximum engine RPM, maximum coolant temperature and displays them on the app. This will help you understand vehicle status and fuel consumption information throughout the trip.

6) Driving Habits Monitor

With the G-sensor inside the Advancer, all sharp turns, hard braking and sudden acceleration will be recorded, analyzed and displayed on the app. If you want to improve your driving skills, this feature can provide you with data level support.

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 9~16V
Working Current	100mA@12V
Sleeping Current	10mA@12V
Working Temperature	-20~60°C/-4~140°F

Scan this QR Code or search "Advancer"
on Play Store/App Store:



Download APP

Shenzhen Xtooltech Intelligent Co., Ltd.

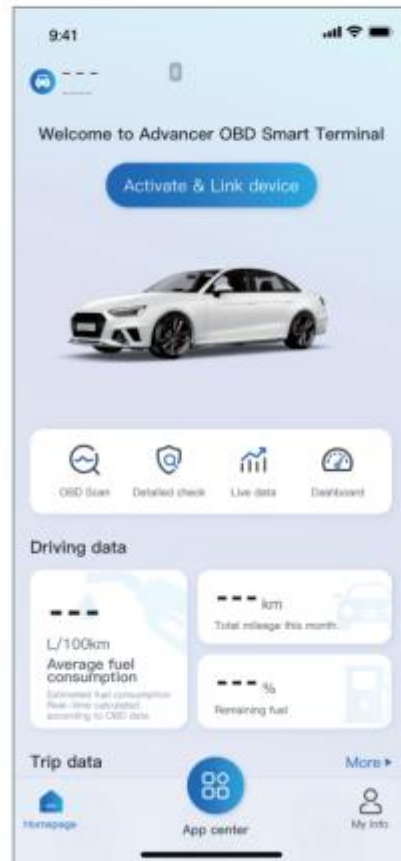
Add: 17&18/F, A2 Building, Creative City, Liuxian
Avenue, Nanshan District, Shenzhen, China

Website: www.xtooltech.com

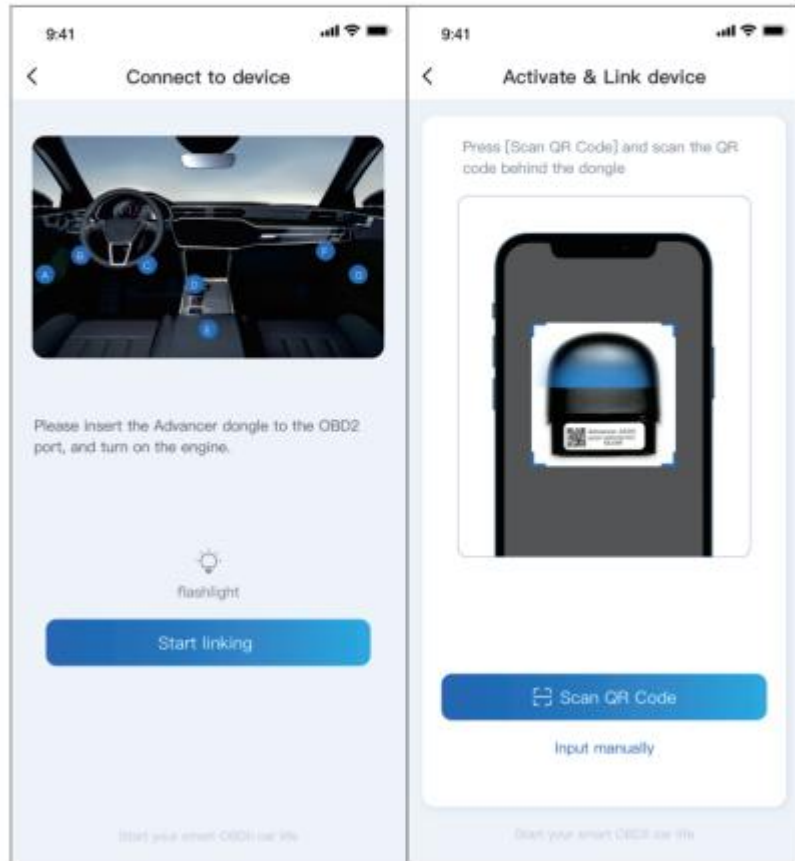
Customer Support: support1@xtooltech.com

How to Use

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



3) The Advancer will automatically collect the basic information of the vehicle. Please confirm that the information is correct and click "OK" to complete the activation.

Note:

Sometimes when a vehicle is detected, the information may be incorrect, or information may be missing. If this happens, please correct it manually.

9:41 Car info

Brand* Audi >

Model year* 2021 >

Series A4 >

VIN LFV2A1BS363553763 >

Linked

Confirm

Start your smart OBD car life.

FAQ

- 1) Is AD20 compatible with my car?
The Advancer AD20 works with all vehicles using the standard OBD-II protocol.

- 2) Can the AD20 be plugged into the car all the time?
Yes, under normal driving conditions, plugging it into the car will not drain or damage the Advancer AD20's battery.
Advancer AD20 uses low-power bluetooth and will automatically enter sleep mode 3 minutes after the car is turned off. It turns on again when the car is turned on.

- 3) Why can't I connect to my AD20 ?
 1. Launching the 'Advanced' app will allow the phone to automatically connect to the device, so that you don't need to manually find the device in the phone's Bluetooth connection.
 2. Make sure to allow "Advanced" to turn on Bluetooth, get location information and access device storage.
Make sure the AD20 is firmly plugged into the OBD-II port.
 3. Make sure the app you use is from reliable sources and is up to date.

- 4) Why can't AD20 communicate with the vehicle ?

1. Make sure the engine is started and idling.
2. Please check if the brand and model registered in the 'Advancer' app are correct.
- 5) What should I do if the device cannot be registered or logged in?
Check the network and the account information. If both are correct and the problem still exists, please contact customer support.
- 6) Why the fault codes couldn't be cleared, or just appears again after cleared ?
 1. When clearing the code, please refer to the actual situation of the fault. Usually there are sporadic codes and actual codes:
Sporadic code: Generally, it occurs when the components do not work properly at some point, which may be electromagnetic interference, vibration, poor wiring contact, etc. These codes can be cleared directly.
Actual Code: This happens when there are broken components. Before clearing these codes, please make sure you have fixed relevant components. If the fault light comes on again after clearing the code, it means that the faulty component is not fully repaired and further inspection is required in these cases.
- 7) Why there is no lights shown on my dashboard but AD20 scanned that there are DTC codes present ?

1. Not all DTC codes will trigger a fault light on the dashboard – the automaker will determine which faults will trigger the light and which will not.
2. The ECU may still not be entirely sure if this is a fault. There may be electromagnetic interference or vibration misleading the ECU. Usually in these cases the ECU will run a few more cycles to determine if this is a real fault.

8) Why there are fault lights on the dashboard, but the Advancer cannot find any DTC codes ?

Please make sure AD20 can diagnose DTC related system.

AD20: OBDII Standard fault codes & Engine in-depth check

AD20 Pro: OBDII Standard fault codes & All systems in-depth check

e.g.: If there is an ABS light on the dashboard, the AD20 cannot display specific fault codes, but the AD20 Pro can.

9) Why the fault light turned on during diagnostics ?

This is a normal phenomenon. Some ECUs will enter the diagnosis mode and the corresponding fault lights will turn on during diagnosis. The light will turn off automatically after the diagnosis is completed.

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