GEARWRENCH

GWSCAN

START YOUR SMART OBDII LIFE

Product Description

GWSCAN is an intelligent diagnostic terminal designed to seamlessly communicate with your Android/iOS devices through Bluetooth technology. Through its accompanying app, GWSCAN offers a range of services including vehicle health checks, diagnostics, and analysis of driving habits for car owners.

Main Functions

1 **OBD-II Code Check**
GWSCAN can read and categorize the fault codes (DTCs) stored inside the vehicle's electronic control unit (ECU) via standard OBD-II protocols.

2 **In-depth Check**
The in-depth check function enables thorough examination of vehicle systems such as the engine, powertrain, brakes, steering, safety features, infotainment, and more. This helps owners gain clear insights into the car's health condition, ensuring safe and comfortable driving experiences during travels.

3 **Live Data**
When the vehicle is started, GWSCAN displays detailed vehicle status information, including battery voltage, engine revolution speed, coolant temperature, engine load, fuel trimming, and more. This provides real-time insights into the working conditions of the vehicle.

4 **Maintenance Light Reset**
GWSCAN is capable of resetting the maintenance counter and turning off the maintenance light once maintenance is complete. For driving safety, make sure to adhere to the vehicle manufacture's manual when conducting maintenance on your car.

Note: The maintenance light serves as a reminder programmed by the vehicle manufacturer to alert drivers when maintenance is required. When activated, this reminder displays information on the dashboard screen or may simply trigger a light.

5 **Trip Recorder**
While driving, GWSCAN will log and organize data such as average speed, fuel consumption, mileage, maximum engine revolution speed, and maximum coolant temperature, displaying this information in the GWSCAN app. This allows the driver to monitor vehicle status and fuel consumption details throughout the trip.

6 **Driving Habits Monitor**
Equipped with G-sensors, GWSCAN records all sharp turns, emergency braking, and sudden accelerations. After analysis, these events are displayed in the GWSCAN app. This feature offers data support for those looking to enhance their 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 9~16V
Working Current	100mA@12V
Sleeping Current	10mA@12V
Working Temp.	-20~60℃/-4~140°F

Scan the QR code to download GWSCAN

Download on the App Store

GET IT ON Google Play

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How to Use

Step 1 Ensure Bluetooth is activated on your smartphone or tablet, then open the "GWSCAN" app, sign up or log in to your account, and choose "Activate & Link Device".

Step 2 Scan the QR Code on the device, follow the steps on the app and insert your GWSCAN into the OBD-II port, then turn on the engine.

Step 3 GWSCAN will automatically gather the basic vehicle information. Please verify the accuracy of this information and click "OK" to complete the activation process.

Note:
Occasionally, during vehicle detection, there might be instances where information fails to load correctly or certain details are missing. In such cases, please input the correct information manually.

FAQ

1 Does GWSCAN support my car ?
GWSCAN supports most vehicles which is compatible with OBD-II. If you are unsure of the protocol for your car, please contact **support@gearwrenchdiagnostics.com** for help.

2 Can the GWSCAN be plugged into the vehicle at all times?
Yes, under typical daily driving circumstances, GWSCAN does not result in battery depletion or damage. It utilizes low-power Bluetooth technology, which enters a sleep mode automatically after the vehicle has been turned off for 3 minutes. Upon the vehicle being restarted, GWSCAN will reactivate.

3 Why can't I connect to my GWSCAN ?

Open the "GWSCAN" app on your smartphone or tablet and let the app connect automatically to the device, eliminating the need to search for it again in your phone settings.
Please make sure that the "GWSCAN" app is granted permission to enable Bluetooth, access location information, and access device storage.

Make sure that the GWSCAN is attached firmly to the OBD-II port.

Ensure that you have installed the latest version of the GWSCAN app, available from either the Apple App Store or Google Play Store.

4 Why can't I communicate with the vehicle ?

Ensure that the engine is turned on and idling.

Please verify that the brand and model registered within the GWSCAN app match the vehicle type to which GWSCAN is plugged in.

5 What causes fault codes to remain uncleared or reappear after being cleared?

When clearing codes, please consider the specific circumstances related to the fault. Typically, there are two types of codes: sporadic codes and actual codes.

Sporadic codes: These codes usually occur when a component functions irregularly at certain points, possibly due to factors such as electromagnetic interference, vibration, or poor wiring contact. These codes can usually be cleared directly.

Actual codes: These occur when components have genuinely failed. Before clearing these codes, ensure that you have addressed the underlying issue. If the fault lights reappear after code clearance, it indicates that the faults have not been

6) Why aren't there any lights illuminated on my dashboard, yet GWSCAN has detected the presence of DTC codes?

Not all DTC codes will activate the fault lights on the dashboard. The manufacturer determines which faults will trigger the light and which ones won't.

The Electronic Control Unit (ECU) might not have fully determined if this constitutes a fault. Electromagnetic interference or vibrations could potentially mislead the ECU. Typically, in such instances, the ECU will ascertain whether it's an actual fault after undergoing several cycles of operation.

7) What causes the fault light to illuminate during diagnosis?

During diagnosis, certain Electronic Control Units (ECUs) enter diagnostic mode, causing the corresponding fault light to activate. This light will automatically turn off once the diagnostic process is complete. This occurrence is normal, so there's no need to worry.

FCC Warning

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, and (2) this device must accept any inte rference received, including interference that may cause undesired operation.

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 generates uses and can 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 interferenceto 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 receiver.
- Connect the equipment into 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.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.