www.diyobd.fr



Technical Specifications

SSID: WiFiOBD IP: 192.168.0.10 Subnet: 255.255.255.0 Port: 35000 Range: 50 ft (Line of sight) Antenna: Internal Power Consumption: 0.75 Watts (With Power Switch) Wifi Standard: 802.11a/b/g Operating Temperature: -15 to 100 Deg Celsius Plastic: Automotive Grade Physical Dimensions: 2.75 x 1.25 x 1.2 inches

Description

WI-FI OBD AUTO CHECKER is capable of communicating with vehicles which adopt following protocols:

ISO 9141 ISO 11898(aka. CAN) ISO 14230(aka. KWP2000) ISO 15765(aka. CAN) SAE J1939

WI-FI OBD AUTO CHECKER is able to detect and interpret these protocols automatically. It also provides support for high speed communications and a low power sleep mode. It use AT commands to communicate with a host device (PC, notebook, iPhone, iPod touch, iPad and so on). There are plenty of software packages available, which are fully compatible with **WI-FI OBD AUTO CHECKER**. Some of them have pretty useful features, such as engine running parameters monitoring, DTC reading and clearing, MPG meter, etc. You can even write your own software on a specified hardware platform if you wish, because the AT commands are fully documented and very well explained. **WI-FI OBD AUTO CHECKER** is measuring only 2.7 x 1.25x 0.9 inches, and it comes attached with a 6 ft OBDII cable for easy installation. It also comes included with a power switch built-in to prevent the need for having to constantly disconnect your unit from the OBDII port. **It is compatible with 1996 and later vehicles**. Connecting to your iPhone / iPod touch /iPad is made by WIFI connection in adHoc mode.

Elder OBD compatible vehicles has a sticker indicates that the vehicle is OBD compatible. Model year 1996 and newer vehicles are compliant by default, and will not have this sticker.

Following are some of the parameters which could be read from the vehicle.

Vehicle Speed RPM Fuel Consumption* Engine Coolant Temp Fuel Pressure Calculated Engine Load Throttle Position Intake Manifold Pressure Air Intake Temp Timing Advance Mass Air Flow Fuel Level Barometric Pressure EVAP System Vapor Pressure Fuel Trim

*note: Your vehicle may not support all above parameters. How many parameters you can get is depended on the vehicle manufacturer's implementation.

Vehicles supported

Our device works on all 1996 to 2010 cars and light trucks sold in the United States, including:

Acura	Daihatsu	Isuzu	Mercedes	Porsche	Smart
Alfa Romeo	Daimler	Jaguar	Mercury	Regal	Subaru
Ariel Atom	Dodge	Јеер	MG	Renault	Suzuki
Aston Martin	Ferrari	Kia	Mini	Rolls-Royce	Tesla
Audi	Fiat	Lamborghini	Mitsubishi	Roush	Toyota
Bentley	Ford	Lancia	Nissan	Rover	Triumph
BMW	Geo	Land Rover	Oldsmobile	Saab	TVR
Buick	GMC	Lexus	Opel	Saleen	Vauxhall
Cadillac	Holden	Lincoln	Pagani	Saturn	Volkswagen
Chevrolet	Honda	Lotus	Panoz	Seat	Volvo
Chrysler	Hummer	Maserati	Peugeot	Scion	Yugo
Citroen	Hyundai	Mazda	Plymouth	Shelby	
Daewoo	Infiniti	McLaren	Pontiac	Skoda	

Some 1994 and 1995 models are also supported. To see if your vehicle is compliant, pop the hood and look for this sticker:

VEHICLE EN	MISSION CONTR		MATION	
	ENGINE FAMILY EF DISPLACEMENT	N2.8YBT2BA 2.8L	OBD II CERTIFIED	
motor co, inc.	THIS VEHICLE CONFO OF CALIFORNIA REGU 1997 MODEL YEAR NE	RMS TO U.S. EF LATIONS APPLI W TLEV PASSE	PA AND STATE CABLE TO NGER CARS.	OBDII
REFER TO SERVICE TUNE-UP CONDITION ACCESSORIES OFF,	MANUAL FOR ADDITION NS: NORMAL OPERATING COOLING FAN OFF, TRA	IAL INFORMATIO G ENGINE TEMP INSMISSION IN	on Perature, Neutral	CERTIFIED
EXHAUST EMIS CERTIFICATION IN-USE	SSIONS STANDARDS N	STANDARD CAT TLEV TLEV INTERMED	EGORY DIATE	
SPARK PLUG TYPE NGK BPRE-11 GAP: 1.1mm	CATALYST	EFN2.8Y	BT2BA	

Compatible Software and Features:

What features you can have depended on what software you install on iPhone /iPod touch /iPad/ PC. There are a lot of commercial or free software. The features of the software differ from one another. User should choose his own software by his preference. For more details about the software, please consult the software vendors.

Where can I get the software?

You can log on to the apple application store to get your commercial/free software.

There is a freeware in the CD-ROM comes along with the device. You can use this piece of software to config and test the **WI-FI OBD AUTO CHECKER**.

After the installation of ScanMasterELM_DEMO_2.0.101.65, there would be a shortcut on the desktop.



You need to config your PC or cellphone before you can use this software.

For example, on a PC you should follow the steps shown in the pictures below:



General Wireless Networks Advanced
Connect using:
TP-LINK 11b/g Wireless Adapter Configure
This connection uses the following items:
🗹 📮 QoS Packet Scheduler 📃
DDK PACKET Protocol
Internet Protocol (TCP/IP)
Install Uninstall Properties
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected Notify me when this connection has limited or no connectivity
OK Cancel

Internet Protocol (TCP/IP) Properties	<u>?</u> ×
General	
You can get IP settings assigned automatically if your network support this capability. Otherwise, you need to ask your network administrator the appropriate IP settings.	s for
O Obtain an IP address automatically	
Use the following IP address:	
IP address: [192.168.0.11]	
Subnet mask: 255 . 255 . 0	
Default gateway:	
C Obtain DNS server address automatically	
☐ Use the following DNS server addresses:	
Preferred DNS server:	
Alternate DNS server:	
Advance	d
OK Ca	incel

IP address setting.

IP: 192.168.0.11~254 Subent mask: 255.255.255.0 After this, click OK. You can find the WiFiOBD device in the window shown below.



Click Connect to connect your PC to WiFiOBD.

Network Tasks		Choose a wireless network	
💋 Refresh network list		Click an item in the list below to connect to a wireless network in information.	n range or to get more
Set up a wireless net for a home or small o	work	((O)) TP-LINK	Manual 👷 💻
Related Tasks	Wireless N	it while Windows connects to the 'WiFiOBD' network.	iuiring network ★ address niii]
Change advanced settings	Waiting fo	Cancel	
-		CHUANGSHENG CHUANGSHENG	
		Security-enabled wireless network (WPA2)	•0000
		WiFi+OBD	On Demand 😭 🚬
			Disconnect
Network Tasks		Choose a wireless network	



Now the configuration of your PC is done. You can start to use the software.

Usage of the ScanMaster-ELM:

Double-click the **ScanMaster-ELM DEMO** icon to start it. You may need to config it as shown below:

ScanMaster-ELM - DEMO File Options Tools Help	_ _ _ _ _
(2) S = 10 [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	
Monitored Test Results Image: Construction of the second se	Image: Live Data Graph PID Config Power Image: Live Data Graph PID Config Power Image: Live Data Graph PID Config Power Image: Live Data Graph PID Config Power
Log	
Options Communication) Protocol Language General PID. Heterface Type W/LAN 192.168.0.10 Port 35000 美	S Graph Ski
Connect Disconnect	AlfaOpel
Port: - 🛄 Interface: 🛄 ECU: 🛄	www.wgsoft.de

Click the Difference with the drop list which resides in the tab named Communication

Enter 192.168.0.10 as the IP address and 35000 as the port number. Click **OK**. Now the software is ready to use.

These are what you'll see when the software is running:

File Options Tools Help	
	💷 Livo Data Mater 🗍 💷 Livo Data Granh 🖉 DID Ganfa 🗌 📿 Dawar 🖢
Start İ Vehide Info	Trouble Codes
	Log
[14:05:05.031] ScanMaster-ELM - DEMO v2.0	
[14:05:05.031] !!!! DEMO VERSION !!!!	
✓ [14:05:05.062] Search for ELM chip based WLAN interface	
✓ [14:05:05.078] 192.168.0.10:35000 - Connected	
· ✔ [14:05:06.484] ELM327 Chip detected	
- 🗸 [14:05:06.500] Interface Connected	
1 [14:05:06.687] Interface Type: OBDII to RS232 Interpreter	
[14:05:06.703] Interface Version: ELM327 v1.4 [14:05:06.78:1] Car battery voltages 0.0V	
 1	
[14:05:08.187] ECU Connected> AUTO, SAE J1850 PWM	
Connect Disconnect	Alfa Opel
Port: WI AN D Interface: D ECU:	www.wosoft.de
	www.wgsoit.ue
ScanMaster-ELM - DEMO	
Monitored Test Results 😓 Actuator 🗏 Live Data Grid	Live Data Meter IIII Live Data Graph PID Config Power
Diagnostic Trouble	Codes (Mode 03, 07, 0A)
Stored Diagnostic Trouble Codes (DTC) (Mode 03))
No Trouble Codes	
Pending Diagnostic Trouble Codes (DTC) (Mode 07) No Trouble Codes	
Permanent Diagnostic Trouble Codes (DTC) (Mode 0A)	
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Interview ScanMaster-ELM - DEMO	×
File Options Tools Help	
] 🍠 😜 🖭 📖 🌄 😫 🖀 📮 🖿 🕘 🌒 🗣	
Start I î Vehicle Info I i System Status A Onitored Test Results 0 Actuator I I Live Data Grid	Trouble Codes 6 Freeze Frames 6 3 Oxygen Sensors 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Live Data Met	ter (Mode 01)
OC - Engine RPM	05 - Engine Coolant Temperature
0 rpm	-40 °C
10 - Air Flow Rate	0D - Vehicle Speed
DEMO g/s	DEMO km/h
Read Stop	
Port: WLAN 🗖 Interface: 🗖 ECU:	www.wgsoft.de

Note: This piece of software is a demo version. It only provides some basic features. If you want all the features, you can buy it from <u>http://www.wgsoft.de</u>

Using Iphone 4&IPAD&IPOD software setting:

Note: After you get the applications, you will have a detailed user manual, which is provided by the application venders,

Here are a few examples to config the application.

You need to change the WIFI settings(IP address and net mask) of your **Iphone 4/IPAD/IPOD** before you try to connect your device to **WI-FI OBD AUTO CHECKER**.

Here is a step-by-step example:

Click Settings ->General->Network

iPad 😤		15:24	
Settings		Genera	_
🛜 Wi-Fi	WIFIOBD	-	2
Notifications	On	About	and the second
Brightness & Wal	Ipaper	Sounds	,
Picture Frame		(Noburget	,
General	-	Network	
Mail Contacts, C	alendars	Bluetooth	Ou 3
		Location Services	ON

Select Static, change the IP address to 192.168.0.11 (any value between 192.168.0.11~192.168.0.254 will work)

Pad 🙃	_	15:22		54%
Settings		Wi-Fi Networks	WIFIOBD	1000
🛜 wi-Fi 🛛 WiFi	OBD			
Notifications	On		Forget this Netwo	ork
Brightness & Wallpaper		IP Address		
Picture Frame		DHCP	BootP	Static
General		IP Address	(192.168.0.11
Mail, Contacts, Calendars		Subnet Mas	k L	255.255.255.0
Safari		Router		
iPod		DNS		
Wideo Video		Search Dom	nains	
👷 Photos		HTTP Proxy		
Store		Off	Manual	Auto
Apps				
🛄 iBooks		URL		

Scan for the WiFiOBD device, and join the network.

iPad ᅙ	15:22	54% 💷	
Settings	Wi-Fi Networks		
🛜 Wi-Fi WIFIOBD		-	
Notifications On	Wi-Fi	ON	
🙀 Brightness & Wallpaper	Choose a Network		
Picture Frame	belkin.4c87	≜ ≑ 📀	
General	СВТ	₽ 🗢 📀	
Mail, Contacts, Calendars	ChinaNet-qzDw	₽ 🗢 💿	
Mafari Safari	szzh888	≙ ∻ 🧿	
iPod	✓ WIFIOBD	÷ 📀	
Video	Other	>	
👷 Photos	Ask to Join Networks	ON	
Store	Known networks will be joined a	utomatically. If no	
Apps	known networks are available, before joining a new r	you will be asked network.	
iBooks			

You may need to config the software before you can use it. Let's take **DashCommand** as an example



After start, go to the page named Settings

Menu	Settings	
Gener	al	
	Startup video	ON
	Start in Dashboards	ON
1	Show Status Bar	ON
1	Enable Demo mode	ON
1	Loop playback	ON
Dashb	oards	
6	fuxedo A Mobile WS1 Landscape	>
C	Download from DashXL.net	>
١	/isit DashXL.net	>
Conne	ction	
4	uto connect	ON
E	DBD-II interface type	>
AN	ux input type	>
A	ux input only	OFF
Setup		
D	ate & time	>
C	urrency	¥ >
C U	nits	**
C Ui arame	nits ters	>

Change the settings according to the picture: Auto connect: **ON** OBD-II Interface Type: **ELM**

Save the settings and you can start to use it.

These are what you'll see when the software is running:





Menu	Data Logging	Edit
Engine RPM		0 rpm
Vehicle Speed Sensor		0 mph 0 km/h
Forward Acceleration		-0.01 Gs
Lateral Acceleration		0.00 Gs
Vehicle Roll		-0*
Vehicle Pitch		-0*
SAE.PERMANENT_DTC		NO DATA
Number of emission-related DTCs stored in thi	s ECU	0
Malfunction Indicator Lamp (MIL) Status		Off
Oxygen Sensor Location Bank 1 - Sensor 1		Present
Oxygen Sensor Short Term Fuel Trim Bank 1 - Sensor 1		99.2 %

Menu		Diagno	ostics
Stored	Codes		The Rest of the Re
P0705			
Transmi	ssion Range Sensor	"A" Circuit (PRNDL	Input)
Pendir	ig Codes		
No pend	ling codes found.		
Perma	nent Codes		The second se
No perr	manent codes found.		
	● 2:18 PM ►		• 2:41 PM
4719	77	mph	 17.4 mpg 20.4 mpg 40 . /ul>
	SPEED & RPM		
1.5 1.0 0.5 →	5 x100 4 - 3 -	5 ×100 4 - 3 -	O-5 min. Co-30 min. Co-3 hours Co
-0.5 -1.0 -1.5	2 1 - 0 -	2	• 24.0 % • 77 miles FUEL LEVEL RANGE
+0.3	217		• 0.4 gal/h ⁰ 1 2 3 4 FUEL FLOW

Here are the instructions to config **Rev for iPhone / iPod Touch**

Start the application and enter the **Global Settings** page, select KiWi Wifi as your hardware device. Click **Custom**, enter 192.168.0.10 as the IP address and 35000 as the port number.

ł	lerdware Calibration Themes
*	alect your herdware device:
l	• Kiwi Wifi 📀
	Kiwi Wifi + IMFD 🛛 💮
	ElmCan-WLAN 😡
	ElmCan-WLAN Legacy 🛛 😡
	OBDKey 🕟
C	Custom (192.168.0.10: 35000)







You don't need to config **SpeedPort**, just run it after you have it installed on your device.







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