Customer should know the following:

- 1. the chip (V-Link) is ARM chip which speed is more faster and the communication speed is doubled than before one (**CLK DEVICE**)
- the shape looks elegant and refined, the design is near the Apple style, compared the (CLK DEVICE) ,this new device is more exquisite, it doesn't using the cable but (CLK DEVICE) having.
- 3. It has the function of power be off and energy keeps saving automaticly. When the main chip were detected not in communication for an hour then the device will be off automaticly and get into energy saving state, it only comsumes 3 microamp electric current which saved much for the cars power supply system.
- 4. the real **J1939** and the stable **J1979** protocol can make customers do efficiently redeveloped
- 5. it supports all WIFI System (ANDROID, PC, WINCE, IPHONE, IPAD)
- 6. it distributes address freely not same as the traditional **ADHOC** do, it support **DHCP**, so customer can make a clear and simple connecting.

Technical Specifications

System Support: DHCP SSID: V-Link 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:



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**.

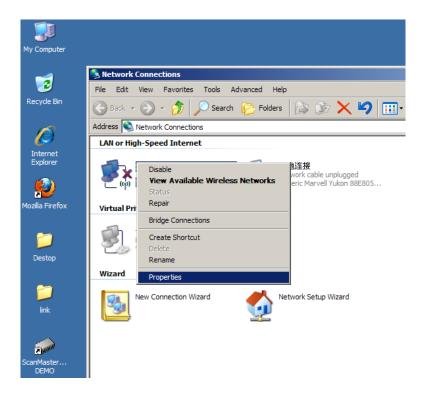
After the installation of ScanMasterELM_DEMO_2.0.101.65, there would be a shortcut on the desktop.



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:



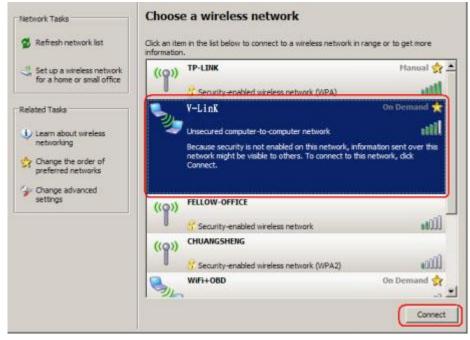


General Wireless Networks Advanced						
Connect using:						
TP-LINK 11b/g Wireless Adapter Configure						
This connection uses the following items:						
QoS Packet Scheduler						
DDK PACKET Protocol						
Internet Protocol (TCP/IP)						
Install Uninstall Properties						
Description						
Transmission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

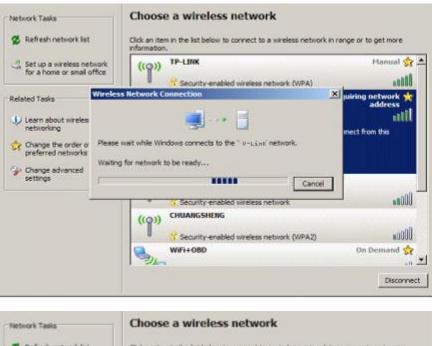
General	erties				
You can get IP settings assigned a this capability. Otherwise, you need the appropriate IP settings.					
Obtain an IP address automatic	tically				
C Use the following IP address:					
IP address:			11	1	
Subnet mask:		4	1	40	
Default gateway:	Г	1	1	4	
C Obtain DNS server address a	utomatically	(r)			
- Use the following DNS server	r addresses	-			
Preferred DNS server:		T		+	
Alternate DNS server:					
				Ad	vanced
		ĺ.	ОК	7	Cano

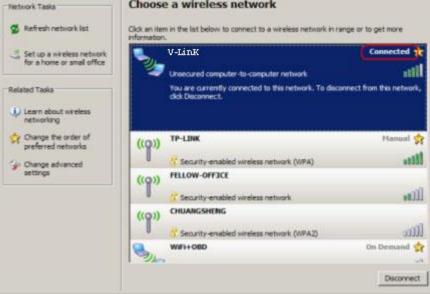
IP address setting.

After this, click OK. You can find the V-LinK device in the window shown below.



Click Connect to connect your PC to V-LinK.





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

Usage of the ScanMaster-ELM:

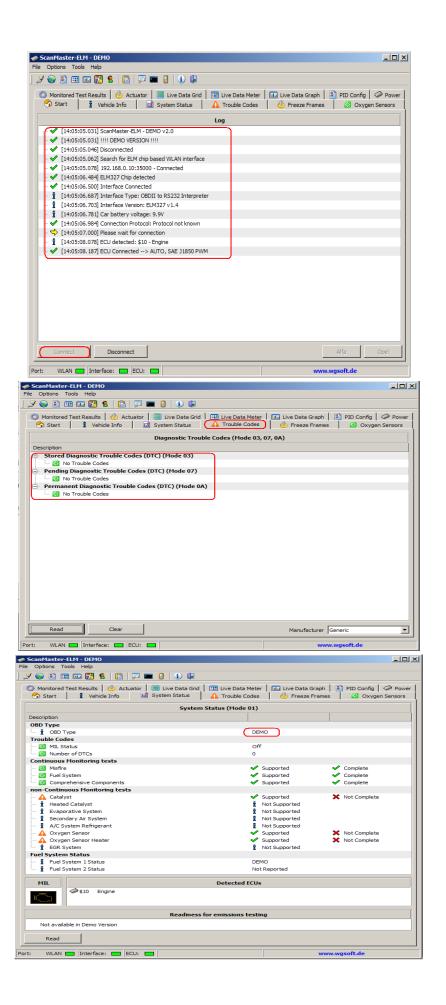
Double-click the **ScanMaster-ELM DEMO** icon to start it. You may need to config it as shown below:

ScanMaster-ELM - DEMO
Monitored Test Results Image: Actuator Ive Data Grid Ive Data Meter Ive Data Graph PID Config Power Start Ive Vehicle Info Ive System Status Ive Data Meter Ive Data Graph Ive Data Grap Ive Data Graph
Log
Options X Communication Protocol Interface Type WLAN IP*Address 192168.0.10 Port 35000
Connect Disconnect Alfa Opel
Port: - 🔲 Interface: 🔲 ECU: 🛄 www.wgsoft.de

Click the Difference Click the Communication Click the Click

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:



🛹 ScanMaster-ELM - DEMO	- [D] ×
File Options Tools Help	
🍠 🚭 🖭 🔜 🌠 😫 🖺 🖵 🖿 🚺 🗊 💷	
	Trouble Codes 6 Freeze Frames 8 Oxygen Sensors 1 Oxygen Sensors 1 Oxygen Sensors 1 Oxygen Sensors 1 Oxygen Data Meter 1 Oxygen Data Graph 8 PID Config 8 Power
Live Data Met	ter (Mode 01)
OC - Engine RPM	05 - Engine Coolant Temperature
0 rpm	-40 °C
DEMO g/s	DEMO km/h
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		General	-
🛜 Wi-Fi	WIFIOBD	About	,
Notifications	On	About	
Brightness & Wa	allpaper	Sounds	,
Picture Frame		Network	-
General		Bluetooth	OH 3
Mail, Contacts, C	Calendars	Location Services	ON
Colori		The second s	Contraction of the local division of the loc

ad 😌	15:22		04	
Settings	WI-Fr Networks	WIFIOBD	-	
WI-FI WIFIOBD	-			
Notifications On		Forget this Network		
Brightness & Wallpaper	IP Address			
Picture Frame	DHCP	BootP	Static	
General	IP Address			
Mail, Contacts, Calendars	Subnet Mask			
Safari	Router			
iPod	DNS			
Video	Search Domains			
🙊 Photos	HTTP Proxy			
Store	IIO	Manual	Auto	
Apps				
iBooks	URL			

Scan for the WiFiOBD device, and join the network.

iPad 🙃	15:22	54%		
Settings	Wi-Fi Networks			
🛜 Wi-Fi WIFIOBD	A CONTRACTOR OF THE OWNER OF			
Notifications On	Wi-Fi	ON		
🙀 Brightness & Wallpaper	Choose a Network			
Picture Frame	belkin.4c87	₽ 🕫 🧿		
General	CBT	- 🗢 📀		
Mail, Contacts, Calendars	ChinaNet-qzDw	ê ≑ ()		
Mafari Safari	szzh888	₽ 🕫 🔕		
iPod	✓ V-LinK	∻ 0		
Video	Other	>		
👷 Photos	Ask to Join Networks	ON		
Store	Known networks will be joined automatically. If no			
Apps	known networks are available, you before joining a new net	u will be asked work.		
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	
General		
Startup video		ON
Start in Dashboards		ON
Show Status Bar		ON
Enable Demo mode		ON .
Loop playback		ON
Dashboards		
Tuxedo A Mobile WS	1 Landscape)
Download from Dash	XL.net	>
Visit DashXL.net		>
Connection		
Auto connect		ON
OBD-II interface type	6	>
Aux input type		>
Aux input only		OFF
Setup		
Date & time)
Currency		۷ >
Units		
arameters		
Persistent PIDs		OFF >

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 mm
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			
P0705				
Transmi	ssion Range Sensor	"A" Circuit (PRNDL	. Input)	
Pendin	g Codes			
No pend	ling codes found.			
Permar	nent Codes			
No perm	nanent codes found.			
	● 2:18 PM ►		2:41 PM	
4719 ^{rpm} 1 ¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹¹	SPEED & RPM	mph	40 30 ▶20	
1.5 1.0 0.5	5 x100 4 3	5 x100 4 3	10 - 0.5 min 0.30 min. AVERAGE FUEL EC	
-0.5 -1.0 -1.5	2	2	• 24.0 % •	77 miles RANGE
+ 0.3 ACCEL	217	255 Ib-ft TORQUE	• 0.4 gal/h 1	
				\$ r

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. ¹⁴

Click Custom, enter 192.168.0.10 as the IP address and 35000 as the port number.









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





