

New OBD Smart PC Tool User Manual

V0.6



2013-07-30



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I Installation

Copy" USB Driver "and "New OBD Smart PCTool" to your PC

Double Click on" automatically Setup.msi Windows Installe 2,664 KB ", New OBD Smart PCTool will be installed

Note: USB driver should be installed before installing "New OBD Smart PCTool"

II Configuration

Connect the device to PC through USB configuration cable



Double click on" Smar...." after hearing one beep, it will show below main interface



Dopen Com Port COM2	 Baudrate 	57600 -	Select	t All 🥑 Clear 🚦
larms Network Regular R	eport Others	Upgrade/Loc	1	
Select All				
Speeding	📃 Веер	Enable	120	km/h
LowVoltage	E Beep	Enable	10.5	v
Power-on	Beep	Enable		1.
Towing	📃 Веер	📃 Enable		
FatigueDriving	📃 Веер	Enable	240	minutes
Power-off	📃 Веер	Enable		1
Crash	📃 Веер	Enable	1.5	g
RPM	🗌 Веер	Enable	4500	rpm
Temperature	Beep		98	19 1°C
Acceleration	Beep	Enable	0.4	g
Deceleration	Beep	Enable	0.4	g
IdleEngine	Beep		15	minutes
ExhaustEmission	Beep Beep	Enable	15	minuco
QuickLaneChange	Beep	Enable	0.4	
SharpTurn	Beep	Enable	0.4	g
			0.5	9

Note: If you start this software in Windows 7 or Windows 8 system, please right click its ICON, and click" **Run as administrator**", or it will show the error.

2.1 Main interface

Select the correct serial port and baud rate (default is 115200), and then click on "open" button in the Tool bar to open the selected serial port.



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Item	Parameter(e.g.)	Explain	Note		
File	 Open Clear Exit 	3 function buttons under "file"	Open: Open the serial port Clear: Clear the parameters Exit: Exit New OBD Smart PCTool		
		Language:			
Help	Language ProductModel	English Simplified Chinese Products Model:	Support English and Chinese		
нер	User Manual About	IDD-212GS/L IDD-213G MPIP-618	currently		
		IDD-213T			
Open	Open/Close	To open or close the COM port			
Com Port	4	Get the COM port number after plugging the configuration cable	Which Com port is used can be checked under-"My computer"-"Manage"-"Device manage"-"Port"-"Prolific USB- to-Serial Comm. port"		
Baud rate	115200	Baud rate is 115200	Baud rate is fixed		
Select All		Select all parameters			
Clear		Clear all parameters			
崔 💽 Exit	Other buttons, e.g.: Exit	Exit New OBD Smart PCTool	It will exit and re-login automatically after language changed		



Item	Parameter(e.g.)	Explain	Note
Set		Set the parameters	Click on "Set" after modify the parameters
Read		Read the parameters which have been set	It's better for you to read before modify the parameters
Ready		Ready for configuring the parameters	
Send	0	Numbers of commands sent	

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Receive	0	Numbers of commands received	

Note: Below function modules is taken an example of IDD-212GS/L

2.2 Alarms

Click on "Alarms" to select required items and click on "Read" to get parameters values first. For example: sound indication, enable/disable and threshold. Modify those values and click on "Set" to save new parameters into the device.

🔯 New OI	3D Smart PCTool					- x
File He	elp					
O Close	Com Port COM4	* Bau	drate 115200 *	📕 Selec	t All 🥑 Cle	ear 🚆
Alarms	Network Regular R	eport Of	hers Upgrade/Log	i l		
	Select All					
	Speeding	🔲 Beep) 📃 Enable	120	km/h	
	LowVoltage	🔲 Beep) 📃 Enable	10.5	v	
- I	Power-on	🔲 Beep	Enable		·	
	Towing	🔲 Beep) 📃 Enable			
	FatigueDriving	🗌 Beep) 📃 Enable	240	minutes	
	Power-off	🗌 Beep	o 📃 Enable			
	Crash	🗌 Beep) 📃 Enable	1.5	g	
_	221			4500	mm	
42424	RPM	Beep		4500	rpm °C	
1000	Temperature	Beep	a <u>Carlon and A</u>	98		
	Acceleration	Beep		0.4	g	
10000	Deceleration	Beep		0.6	g	
	IdleEngine	Beep		15	minutes	
	ExhaustEmission	Beep				
	QuickLaneChange	Beep		0.4	g	
	SharpTurn	Beep) 📃 Enable	0.5	g	
					0	
				1	b	
				Defa	ult Value	
🕑 Set	🞑 Read					
Ready		S	end:0	Recei	ve:0	
tem	Parameter(e.g.)	Explain		Not	e
adin -	120	Spe	eding alarm will b	e R	ange: [0,3	00KM/H],
eeding	120	ser	sent when the speed default is 120KN		.20KM/H	



Low voltageLow voltage alarm will be sent when the voltage drop to 10.5VRange:[9,36V], default is 10.5V, unit is 0.1VPower-onPower-on alarm will be sent when it's power onDefault is enablePower-onEnablebe sent when it's power onDefault is enableTowingEnableTowing alarm will be sent when the vehicle is towedDefault is enableFetigue Driving alarmFatigue Driving alarmPange:[1,480min], default is
Low voltage10.5be sent when the voltage drop to 10.5VRange:[9,36V], default is 10.5V, unit is 0.1VPower-onPower-on alarm will be sent when it's power onDefault is enableTowingEnableTowing alarm will be sent when the vehicle is towedDefault is enableTowingEnableFatigue Driving alarmDefault is enable
Power-on Enable be sent when it's power on Default is enable Towing Towing alarm will be sent when the vehicle is towed Default is enable Towing Fatigue Driving alarm Range:[1.480min]. default is
Towing Enable sent when the vehicle is towed Default is enable Fatigue Driving alarm Range:[1.480min]. default is
Range:11.480minl. default is
Fatigue Driving 240 will be sent when drive last for 240min 240min
Power-off Power-off alarm will Power-off Enable be sent when it's Default is enable power-off power-off Default is enable Default is enable
CrashCrash alarm will be sent when accelerated speed up to 1.5gRange:[1.0,2.0g], default is 1.5g, unit is 0.1g
RPM4500RPM alarm will be sent when the RPM up to 4500rpmRange:[0,10000rpm], default is 4500rpm
TemperatureTemperature alarmRange:[-40-200℃], default98℃58℃98℃
Acceleration 0.4g Acceleration alarm will be sent when Range:[0.2,0.8g], default is accelerated speed up 0.4g, unit is 0.1g to 0.4g
Deceleration Deceleration alarm 0.6g Will be sent when accelerated speed up Range:[0.3,1g], default is 0.6g, unit is 0.1g to 0.6g to 0.6g
Idle EngineIdle Engine alarm will be sent when the time last for 15min after the vehicle stopsRange:[1,30min], default is 15min, unit is min
ExhaustExhaust EmissionEmissionEnablealarm will be sentDefault is enablewhen engine emesiswhen emesiswhen emesiswhen emesis



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Change		alarm will be sent	0.4g, unit is 0.1g
		when accelerated	
		speed up to 0.4g	
		Sharp Turn alarm will	
Sharp Turn	0.5 g	be sent when	Range: [0.3,0.9g], default is
Sharp Turn	0.5g	accelerated speed up	0.5g, unit is 0.1g
		to 0.5g	

2.3 Network

Click on "Network" to select required items and click on "Read" to get parameters values first. Modify those values and click on "Set" to save new parameters into the device.

🥁 New OBD Smart PCTool	_ ×			
<u>File H</u> elp				
Close Com Port COM4 E	Baudrate 1 5200 👻 💻 Select All 🥑 Clear 🔮			
Alarms Network Regular Report	Others Upgrade/Log			
	t is last six digitals of the device ID			
SMS Security Key	401832			
SMS Center Number				
Dial Mode	Domain Mode Default 👻			
🗹 Domain	obd.livetelematics.com Default			
IP	113.98.241.66			
Port	11088 Default			
APN	CMNET			
🔲 User	Confirm with local service			
Password	provider			
A-GPS IP				
A-GPS Port	0			
Mobile Phone Setting				
Alarm SMS [Enable			
Phone 1 1380013800	00 Function Send Alarm SMS 🗸			
Phone 2	Function Standby			
Phone 3	Function Standby			
Phone 4	Function Standby			
Phone 5	Function Standby			
(Max and	he set as 5 alarm SAR			
Max can be set as 5 alarm SMS				
🕼 Set 🎑 Read				
Ready	Send:0 Receive:0			



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Item Parameter(e.g.) Explain Note				
SMS Security key	401832	Lipidin	It adopts ASCII code, default is last six digitals of the device ID	
SMS center number	13800138000	Set SMS center number to receive location and command replied message		
Dial Mode	IP mode	IP mode or domain mode can be chosen	Domain mode is default	
Domain	obd.livetelematics.com	Set the domain instead of IP address	Default domain is obd.livetelematics.com	
IP	113.98.241.66	Server IP address	Default IP is 113.98.241.66	
Port	11088	TCP port	default is 11088	
APN	CMNET	China mobile GPRS access point name	Please ask the GPRS service provider to get it	
User		The User of APN	Please ask the GPRS service provider to get it	
Password		The password of APN	Please ask the GPRS service provider to get it	
A-GPS IP		IP address of A-GPS server		
A-GPS Port		Port of A-GPS server		
Mobile Phone setting	13800138000	Set Alarm SMS to get alarm message, call & auto answer or call & awake	Can be set max 5 SMS numbers, it's better to add country code	

2.4 Regular Report

Click on "Regular Report" to select required items and click on "Read" to get parameters values first. Modify those values and click on "Set" to save new parameters into the device.



		51100		
	🔯 New OBD Smax	rt PCTool		_ ×
	<u>File</u> <u>H</u> elp			
	Oclose Com	Port COM4 Baudr	ate 115200 🔹 💻 Select A	All 🥑 Clear 👙
	Alarms Netwo	rk Regular Report Othe	ers Upgrade/Log	
	Select	All	2	
	Groups	s of GPS per Msg.	1 (1~30)	
	Track t	oy Interval	Enable	
	🗹 Time	e Interval	120 s (2s~600	Ds)
			102	
	G-sens	sor	Enable	
		ensor Sample Rate	1000 ms (200ms	~6000ms)
		ups of G-Sensor per Ms		
	Base S		Enable	
	PID		Enable	
	PID	Sample Rate	60 s (2s~600	Ds)
	Grou	ups of PID per Msg.	10 (1~30)	
	Veh	icle Supported PIDs	Selected PIDs	
		/stem status	Engine Coolant Temp	
		ated LOAD Value 🤤 Coolant Temperatu	Intake Manifold Absolu Engine Speed	ute Pr
	Short T	erm Fuel Trim - Ban	Wheel-Based Vehicle	
		erm Fuel Trim - Ban Manifold Absolute Pr 🛩	Intake Air Temperatur Wheel-Based Vehicle	
		Max can be	seleted 10 PIDs	
	🕑 Set 🙆 Re	ad		
	Ready	Ser	nd:64 Receive	e:269
	Item	Parameter(e.g.)	Explain	Note
Group	os of GPS per		It will sample one	Range:[1,30], default
	Msg.	1	group of GPS data	is 1, unit is group
Track	k by Interval	Enable	Enable track by interval function	Default is enable
			GPS data is sampled	Range:[2,600],
Tim	ne Interval	120	per 120S	default is 120S, unit
				is second
G	G-Sensor	Disable	Disable G-sensor function	Default is disable
G-ser	nsor Sample		G-sensor data will be	Range:[200,6000ms],
		1000		default is 1000ms,
	Rate		sampled per 1000ms	unit is millisecond



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Groups of G-Sensor per Msg.	100	It will sample 100 pieces of G-sensor data	Range:[50,250], default is 100, unit is group
Base Station ID	Enable	It will support base station location after it's enable	Default is disable
PID	Disable	Disable PID function switch	Default is disable
PID Sample Rate	60	PID data is sampled per 60S	Range:[2,600], default is 60S, unit is second
Groups of PID per Msg.	10	It will sample 10 pieces of PID data	Range:[1,30], default is 10, unit is group
Vehicle Supported PIDs		PIDs types vehicle supported	It will show the PIDs types vehicle supported
Selected PIDs	PIDs types selected	PIDs types selected	Range:[1,10]

2.5 Others

Click on "Others" to select required items and click on "Read" to get parameters values first. Modify those values and click on "Set" to save new parameters into the device.



	6						
	🙀 New OBD Sm	art PCTool				_ ×	
	<u>File H</u> elp						
			-	e 115200 📩 💻 S	elect All	🕑 Clear 🍟	
		ork Regular Repo	t Other	Dpgrade/Log			
	✓ Select	ct All					
					_		
	✓ Total	and the state of the	401832		m		
	Device	e ID 🤇		160130401832	-	ixed	
			10910035202	7-05 02:42:23	150	ynch UTC	
	100	inal Language	English		*		
	100 C	m beeps	Enal	1010	-1		
		e FW Version e HW Version		16G02_S V1.1.8.1	_		
		default value		16G02_H V1.1.8.1	-		
			Reset				
	100 C	Fuel Consumption		8	_		
	1000 Contraction	ne Capacity	4.8			Disculto	
	Fuel		HK008	as,LPG,Hybrid,D	reser a,	Diesei D	
	Vehic				- 15-	000-1	
	2000 CONTRACTOR	ne off Delay de VIN code	50	Default	s (55	~600s)	
	- venic		(
	19439		-				
	Vork	Mode	Heavy	duty	*		
	✓ HT-1	96 RFID FUN.	Passer Heavy o	nger car			
	Mar On		Tracker				
	🕑 Set 🙆 R	ead	0			0.00	
	Ready		Send		leceive:1		
	Item	Parameter(e.	.g.)	Explain		Note	
				Set the cumula			
Tota	I mileage	401832		mileage of cur		Unit is m	eter
				OBD vehicle	5	Can't be s	at by
						software pla	
De	evice ID	drkjdp21601304	01832	Device ID is		just support	
				drkjdp21601304	01832	port settin	
						fixed.	-
U.	TC time	2013-07-05 02:4	42:23	To synch UTC t	ime	Set device	time
						Support Er	nglish
Termin	al Language	English		SMS replied in E	nglish	and Chin	ese
						current	ly



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System beeps	Enable	Enable system beeps	Default is enable
Device FW Version	IDD_216G02_S V1.1.8.1	Firmware version	The tag just can be red and can't be set
Device HW Version	IDD_216G02_SH V1.1.8.1	Hardware version	The tag just can be red and can't be set
Reset to default value		Reset to default value	
Total Fuel Consumption	1855.28	Set the cumulative fuel consumption of current OBD vehicle	Unit is 0.01L
Engine Capacity	4.8	Set engine capacity as 4.8L	Unit is 0.1L Please refer to Note 1 when select Diesel B
Fuel Type	Gas	Fuel type is Gas	Includes Gas, LPG, Hybrid, Diesel a and Diesel b
Vehicle Plate	HK008899	Vehicle Plate is HK008899	Max length can be up to 50bytes
Engine off Delay	30	The delay time of engine off is 30 seconds	Range:[5-600], default is 30S, unit is second
Vehicle VIN code			The tag just can be red and can't be set
Word mode	Passenger car	It supports passenger car, heavy duty, tracker	Default is passenger car mode
HT-196 RFID FUN.	Enable	Enable HT-196 RFID FUN.	Default is enable

Note 1: When diesel B is selected, need to set the actual engine capacity if the firmware version of IDD-212GL/GS before V1.1.9; Don't fill actual engine capacity value if it's for IDD-213GL/GS and the firmware version of IDD-212GL/GS after V1.1.8, the regulation factor of algorithm for Diesel consumption should be filled, default is 10.0 (it means calculate results will not be adjusted).

The algorithm way of regulation factor: fill up fuel after OBD device is installed, record the fuel consumption via OBD device and count the actual fuel consumption during the period of time.

The formula: (1-(fuel consumption via OBD device – actual fuel consumption)/fuel consumption via OBD device)*10

e.g.: The fuel consumption is 128L counted via software platform, and the actual fuel consumption is 115L during the same period of time. Then the regulation factor is:

(1-(128-115)/128)*10 = 8.985 take a decimal as 8.9, then the engine capacity should be

filled as 8.9

2.6 Upgrade/Log

Click on "Upgrade/Log", click on """ button to select bin file, and then click

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"Upgrade" button to upgrade the firmware to the new version. There is a pop window prompt after finish upgrading.

Wew OBD Smart PCTool	_ x
<u>File</u> <u>H</u> elp	
🕑 Close Com Port COM4 🔹 Baudrate 115200 👻 💻 Select All 🥑 Clo	ear 🗒
Alarms Network Regular Report Others (Upgrade/Log)	
Upgrade FW E:\FAE\OBD Information\Firmware\212GL	
Upgrade Process	ale,
Downloading	213 213
HEX Send	
Receive Log 💿 Hex 🔿 Ascii	
32313630313330 Don't Power Off! 040 a40402600040472606ar 02000000013f0083750d0a40 600040 2666a647032313630 313330323030363700d0020000000140008f060d0a40402600 046472666a647032313630313330323030363700d002000000 0014100571f0d0a V	
300107bc40720ffc0072014c10720000824338c1072000c107205f	
170010fdc0072010c10720fec007200d0a616e676c6574656d70205 8203a25642020436f7572736f72536576617220583a256420200d0 a00000000d0a616e676c6574656d702059203a25642020436f757 2736f72536576617220593a256420200d0a000000000d0a616e676 c6574656d70205a203a25642020436f7572736f725365766172205 a3a256420200d0a0000000fbc007203c020010cdcfb5f5b1a8beafc 7e5b3fd0d0a0000fcc007202e2e2e2e2e2e2e47656e736f72204661f 5930d0a	
🕑 Set 🙆 Read	2
Ready Send:37049 Receive:2560	



🙀 New OBD Smart PCTool 💶 🗙
<u>File</u> <u>H</u> elp
🕑 Close Com Port COM4 🔹 Baudrate 115200 🔹 💻 Select All 🥑 Clear 🙄
Alarms Network Regular Report Others Upgrade/Log
Upgrade FW E:\FAE\OBD Information\Firmware\212GL Upgrade Process Upgrade ?**
Waiting for reboot
HEX Send
Receive Log 💿 Hex 🔿 Ascii
363700d00200000001280193bc0d0a404026000464726b6a647 032313630313330323030363700d0020000000129014ba50d 0a404026000464726b6a647032313630313330323030363700d 0020000000012a01238f0d0a404026000464726b6a64703231363 0313330323030363700d002000000012b01fb960d0a4040260 00464726b6a647032313630313330323030363700d002000000 00012c01f3db0d0a404026000464726b6a64703231363031333032 303030363700d002000000012d012bc20d0a404034000464726 b6a647032313630313330323030363700d00100000000000 000000000000000000002625b0d0a
00000000000000000000000000000000000000
🕼 Set 🎧 Read
Ready Send:166825 Receive:11580



Close ComP	ort COM4 Baudrat	e 115200 🔹	📕 Select All 🥑 C	lear
larms Network	Regular Report Other	s Upgrade/Log	D	
				50
Upgrade FW	E:\FAE\OBD Inform	nation\Firmwar	e\212GL	
Upgrade Pro	cess	h	Upgrade	
	Upgrading done.	7		
HEX		/	(Cand)	
1			Send	
Receive Log	💽 Hex 🔘 Ascii			
00012c01f3c	a64703231363031333 b0d0a4040260004647 00d00200000000012d	26b6a6470323	31363031333032	
b6a6470323 000000000 b6a6470323 2213004944 Send Log 2013-07-06 4040240001	1363 00000 New OBD Sma 1363 445f3 14:58: Upgrad	NEW REPORT OF A	4034000464726 0000000000 0000464726 0100000101 04ae0d0a	

Note: Please **don't power off** when it's upgrading, or the program will be damaged. It will reboot automatically after finish downloading then finish the upgrading.

III FAQ

- A: Why the New OBD Smart PCTool can't be installed
- B: USB driver should be installed before installing New OBD Smart PCTool
- A: Why the terminal is no response when modify the parameters
- B: configuration cable, Com port and baud should be selected correct