OBD
TRACE

OBD
TRACE

USER MANUAL

OBD TRACE

Contents

1.Hardware Coverage

① OBD TRACE Hardware

② 16-pin OBDII Diagnostic Connector
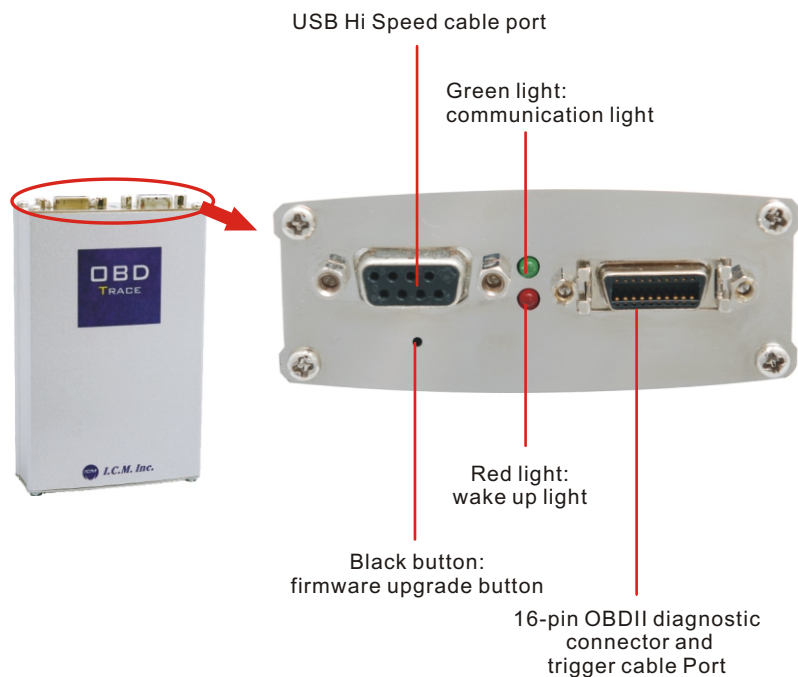*Please find it from WIN-STAR Package.

③ USB Hi-Speed Cable

④ Software CD

⑤ 16-pin OBDII diagnostic connector and trigger cable

2.OBD TRACE Hardware

USB Hi Speed cable port

Green light: communication light

Red light: wake up light

Black button: firmware upgrade button

16-pin OBDII diagnostic connector and trigger cable Port

3. Hardware Connection Diagram

Before diagnosis, please connect your Diagnostic Interface as below.

1. **To configure data, please connect your OBD TRACE interface as below:The red light will be on when interface is connected.**
PC → USB Hi Speed cable → OBD TRACE interface → 16-pin OBDII diagnostic connector and trigger cable → car

Note: Must remove the USB Hi Speed cable after configuring data is completed.

Trigger Cable

2. **Check the OBD trace is connected when recording data**
a. Turn the IG ON .The red light will be on when interface is connected.
b. Start the engine. The red light and green light will be both on when recording data.

3. **To Analyze data, please connect your OBD TRACE interface as below:**
PC → USB Hi Speed cable → OBD TRACE interface

4.PC Requirements

Operation system	WINDOWS 2000, XP, Vista (32 bit), WINDOWS 7 (32 bit) is required.
CPU	CPU 1.6 Ghz or higher
RAM	WINDOWS 200 0 / XP: 512 MB; WINDOWS 7 / Vista: 2G
Hard Disk Space	Free space more than 1GB (on C driver)
Display	Resolution 1024*768
	Please use USB Hi-Speed Cable to connect your PC with WIN-STAR PLUS Multiplexer (Ref. 2.Hardware Coverage ❸) to connect your PC with WIN-STAR PLUS Multiplexer
Notes	When you use Windows Vista or Windows 7, first you need to close "User Account Control (UAC)", please refer to P.3 No.5.PC Settings.

5. PC Settings

**When you use Windows 7, please finish the setting below to run our software successfully.**

First, you need to disable "User Account Control (UAC)" before installing our software.

1. To use the control panel to disable UAC in Windows 7, there are several methods to access the User Account Control settings page:
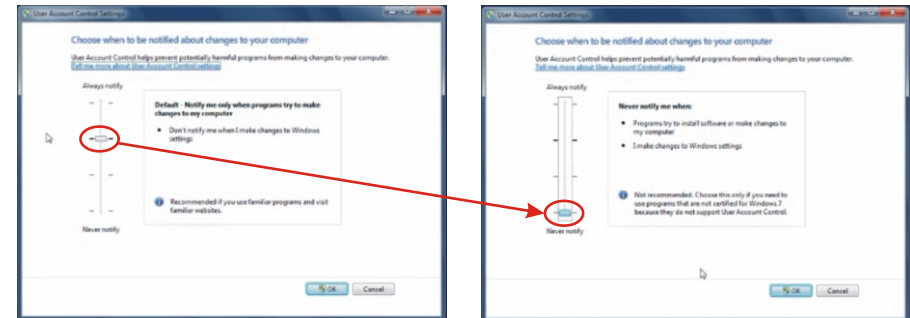
Do one of the following:

- Go to Start Menu 🟠 → Control Panel → User Accounts and Family Safety → User Account.

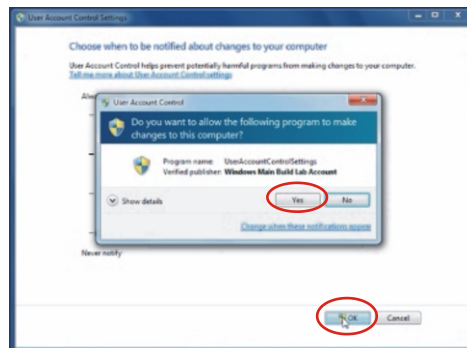- Go to Start Menu 🟠 → Control Panel → In the search box, type UAC.

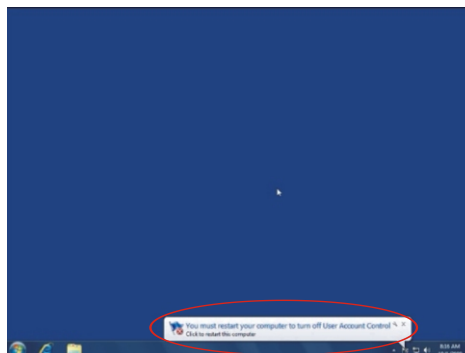**2.** Click on "Change User Account Control settings".
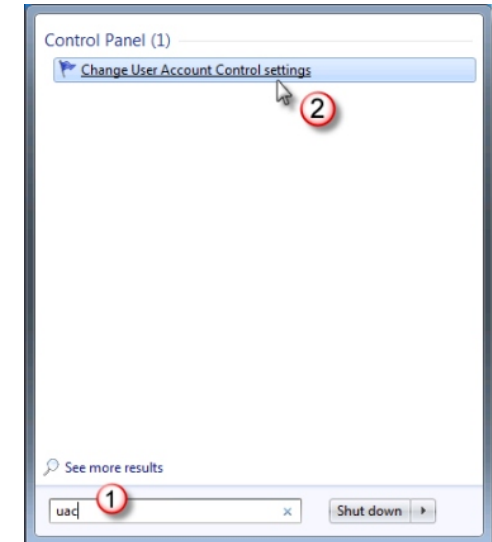
**3.** Move the slider to the "Never notify position".

4. Click "Yes" and "OK" to make the change effective.

5. You are required to restart the computer to turn off User access control effectively.

6. USB Hi-Speed Cable Driver Installation

1. Start the computer

2. Insert Software CD in to CD-ROM drive. Installation window should pop up. Choose "USB Hi-Speed Driver " and click "Installation"

※If you can't see the window pop up, please execute "OBD_TRACE_setup.exe" from CD-ROM drive to install the program.
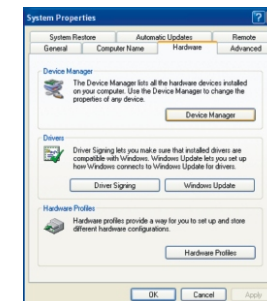
3. It will automatically install the program. After the DOS frame disappears, it means the installation is done.
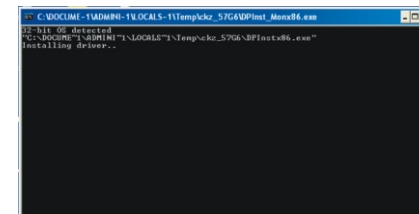
4. To confirm the installation is complete, please right click "My computer"→ "Properties" on the desktop.
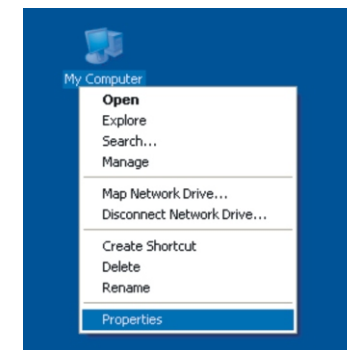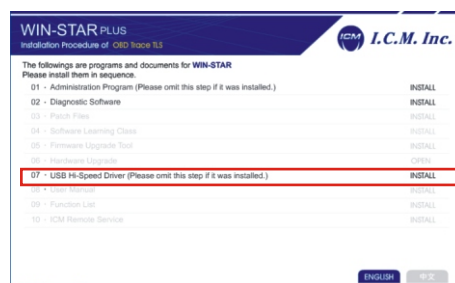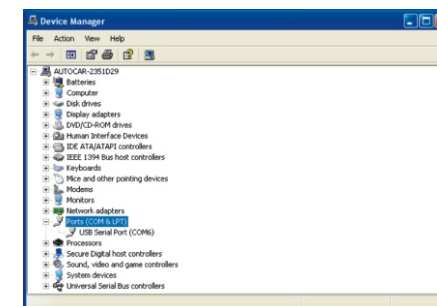

5. Click "Hardware"→"Device Manager"

6. Then click "Ports (COM & LPT)" to unfold items. When USB Hi-Speed Cable is plugged in and pulled out, USB Serial Port will appear variably, which means it can collocate with PC.

Note: In order to find out USB Serial Port, USB Hi-Speed Cable is requested to connect with WIN-STAR PLUS Diagnostic Interface and PC first.

7. USB Hi-Speed Cable Driver Troubleshooting

7-1. If there is a bluetooth device within your computer and it uses one of the ports (COM&LPT), please check if the COM number of bluetooth is less than the COM number of USB Serial Port. If so, please take the following steps.
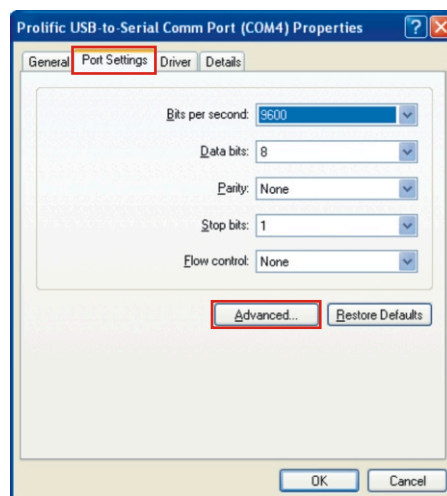
※ As seen on the picture, the COM number(COM6) of bluetooth is less than the COM number(COM7) of Prolific USB-to-Serial Comm Port.
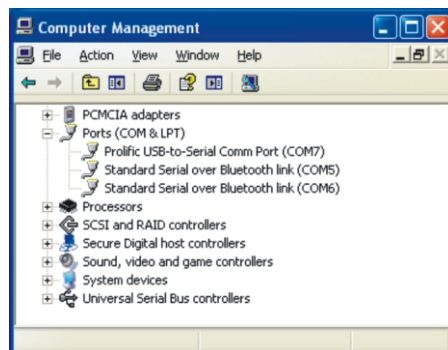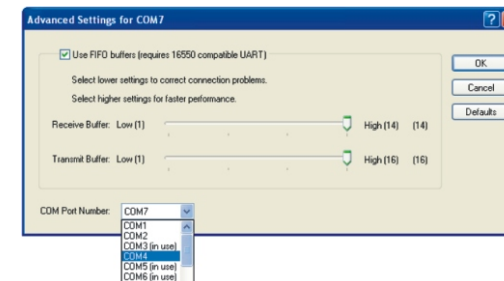
**7-2.** Choose "Prolific USB-to-Serial Comm Port (COM7)", and then click "Properties"
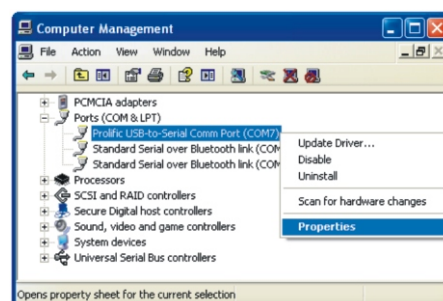
7-3. Choose "Port Settings", and then click "Advanced"

7-4. Use the menu of COM Port Number and find out a COM number which is not in use and make sure the number must be less than the COM number (COM6) of bluetooth. For example: COM4 Click "OK"

7-5. Then, "Prolific USB-to-Serial Comm Port" is changed from COM7 to COM4 as in the picture.
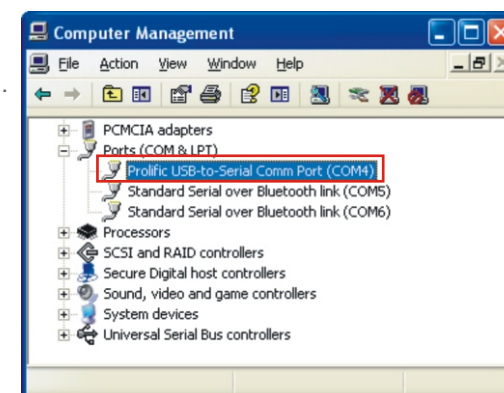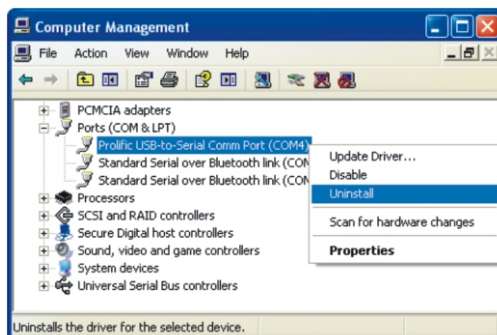
※ **Unable to use the USB Hi-Speed Cable Driver after installation**

- If you have already followed the steps above to install the driver, it still might not work with USB Hi-Speed Cable. Please click "My Computer" on the desktop→choose"Properties"→" Device Manager ".
- Then click "+" sign of "Ports (COM & LPT)" to display all items.
- If it displays " ! " sign, it means the cable can't work correctly.
- Please disconnect the cable and remove the driver (Please follow the steps below to remove it), reboot the computer, and then install the driver again.
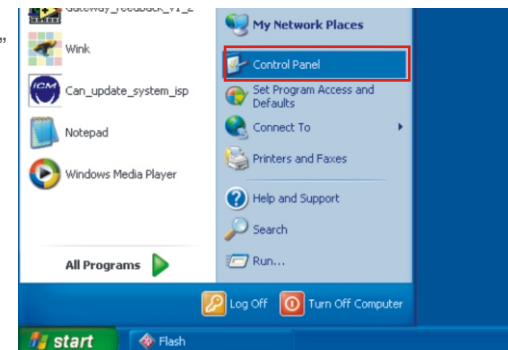
8. USB Hi-Speed Cable Driver Removal

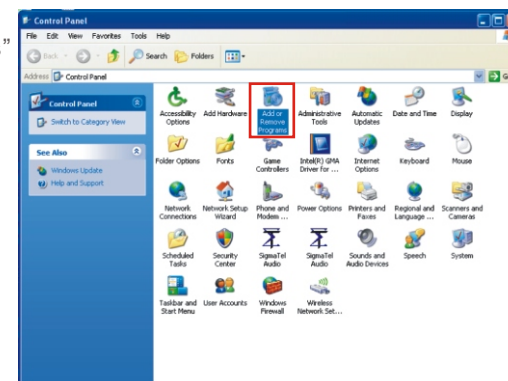※ Please enter Device Manager to find its COM port, and choose "uninstall" to remove the driver.
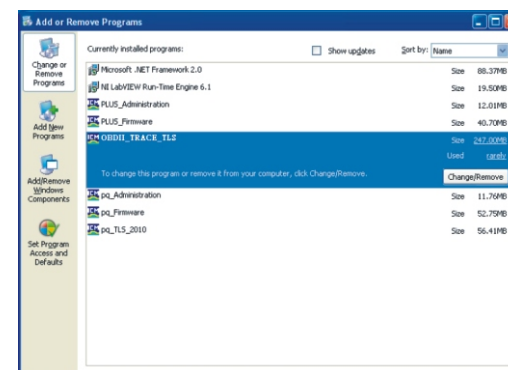

9. Software Installation

1. Start the computer

2. Insert Diagnostic Software CD to CD-ROM drive. Installation window should pop up. Please follow the sequences to install the required programs.

If you can't see the window pop up, please execute "OBD_TRACE_setup.exe" from CD-ROM drive to install

10. Software Removal

1. Click "Start Menu" → "Programs" → "Control Panel"

2. Click "Add or Remove Programs"

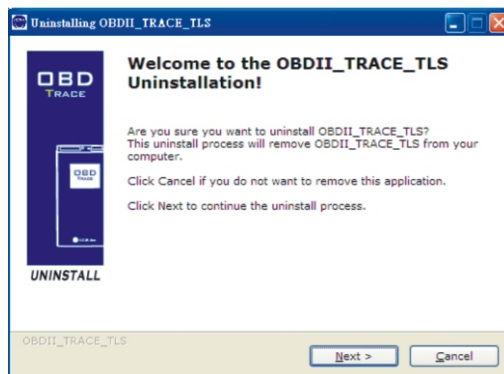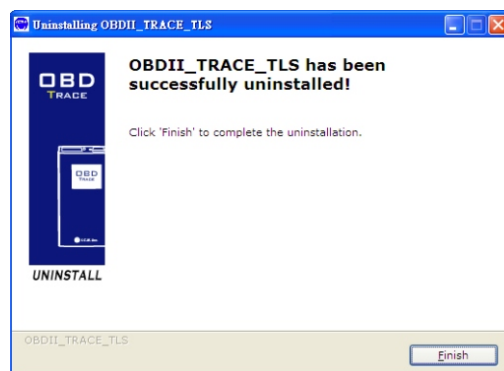**3.** When the list is shown, Look for "OBDII_ TRACE_TLS" and click "Change/Remove"

4. When a window pops up and says "Uninstalling OBDII_TRACE_TLS", please click "Next"


5. Waiting for few seconds.
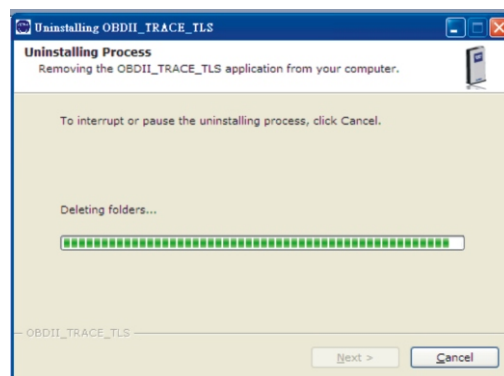
6. **CFM (Confirm)**
If the program has disappeared, please check "Add or Remove Programs" in the "Control Panel" again. If the program disappeared, it means the software was removed.

11. Administration Program

- Please connect your Diagnostic Interface with your PC and the car, and make sure that the power supply light of the interface is on.

- To start the software from "Start Menu"→
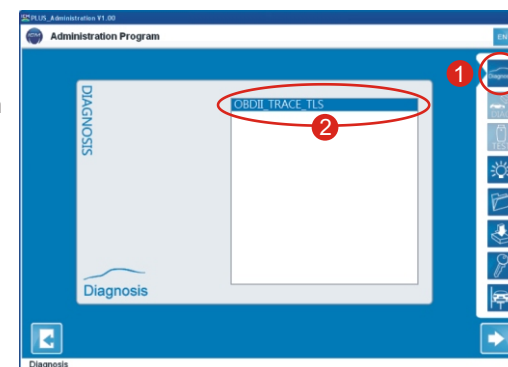"All Programs"→
"Auto_Diagnosis"→
"Auto_Administration"
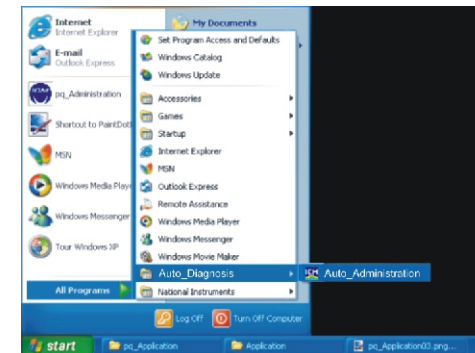
Mark Explanation

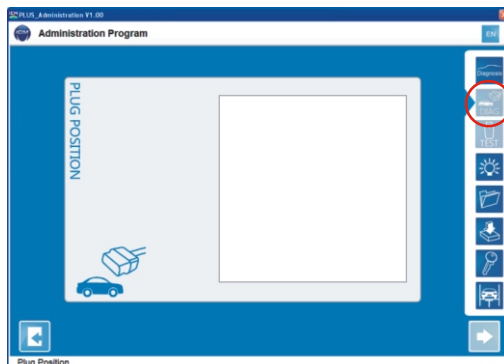|				
←	Back	EN	Language Change	
→	Forward/Enter	Info	Information: To list the detail of your interface	
↵	Exit	Diagnose	Diagnosing	

1. **Diagnosis**

Please follow the sequence on this screenshot to click for diagnosis access.

2. Plug Position

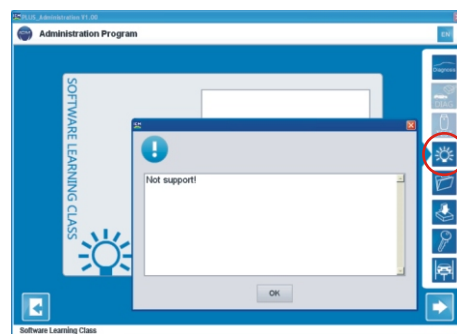Direct the plug position as in the picture.

3. Software Learning Class - Shortcut

4. Document - Shortcut

For Example:
User Manual: Choose "User Manual" and click ➡ .

5. Other Programs – Shortcut (**Firmware** and **Feedback** included)

Firmware -
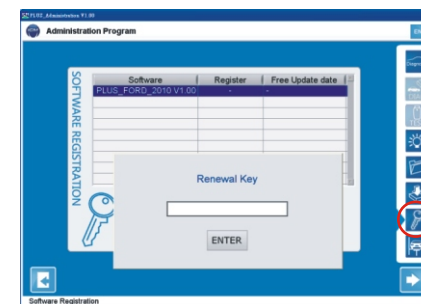To make this shortcut valid, please confirm that you have finished its installation from its diagnostic software CD.

6. Software Registration

To reactivate your license of diagnostic software, for example: change a new PC or laptop.

7. Form Title Setting

This function allows you to customize your company info on the printed report of short test.
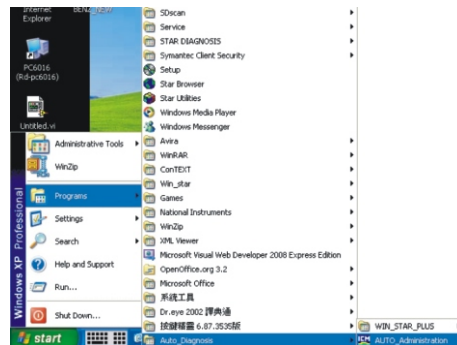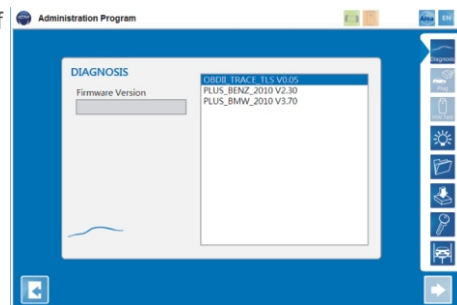
12. Software Registration

1. Please connect your WIN-STAR PLUS Diagnostic Interface with your PC and the car, and make sure that the power supply light of the interface is on.

**2. Status I :** **The first time to use the Diagnostic Software on this PC.**

2-1. "Start Menu"→ "Programs"→ "Auto_Diagnosis"→ "AUTO_Administration".

2-2. Choose the diagnostic software of the vehicle make you need.

2-3. The Product Key with 16 alphanumeric codes will be displayed automatically (as in the picture). Please write down this Product Key and click "NEXT" button. Please get its activation code from www.icm.com.tw. Note: All letters must be capital.
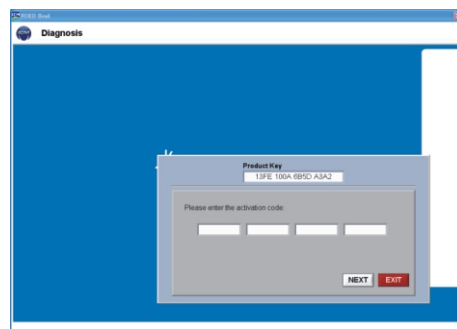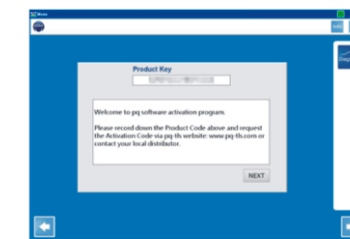
2-4. Please visit our website (www.icm.com.tw)→"Registration "→ "English"

- Step 1: Please fill in your Product Key (16 alphanumeric codes) and click "OK".

- Step 2. Registration It is required that you fill in your information when you ask for the activation code for the first time. You only have to do it once unless your interface serial No. (10 codes) is changed.

- Step 3. Registration Finish This screen will display your Activation Code, the software you purchased, and important notes.

  Please fill in this activation code (28 alphanumeric codes) back to software window and click "NEXT" button.

  Note: All letters must be capital.

2-5. When the activation code is correct, it will display the software version and valid date of software update. Meanwhile, you are allowed to use the diagnostic functions.
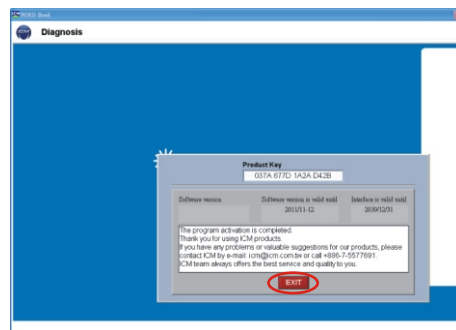
2-6. You will see the car menu.
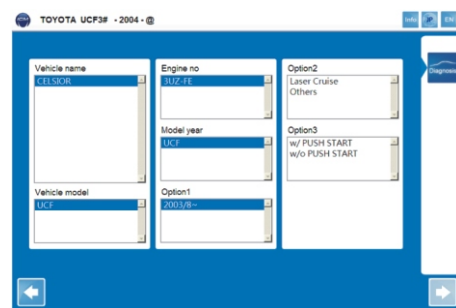
2-7. Click "Info" button on your upper right side, and the detail of your interface will also be listed. Click "Close" to return to the car menu.

3. Status II:

To reactivate your license of diagnostic software; for example: annual software subscription renewal.

3-1. Please follow No.2-1 of "Software Registration" ->. Choose " 🔑 " and click ➡️
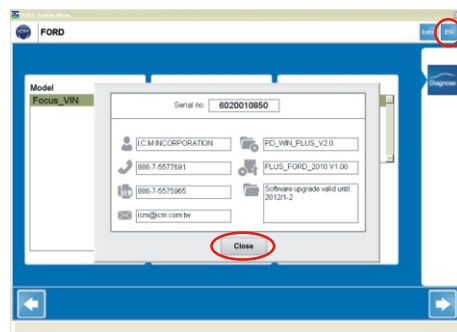
When you execute 🔑 , the Renewal Key window will pop up-> To Select the Software -> Please input **"5577691"** and new Product Key (16 alphanumeric codes) will appear. Please follow No. 2-3 of " Software Registration" to finish the registration.
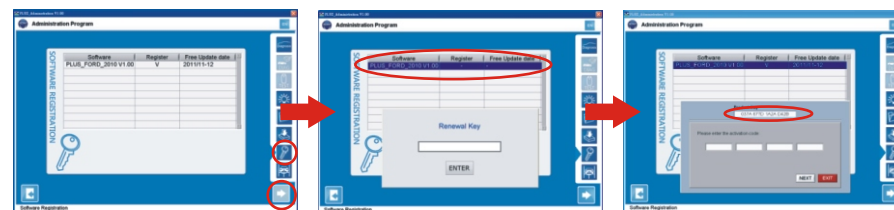
3-2. When the activation code is correct, it will display the software version and valid date of software update. Click "EXIT".
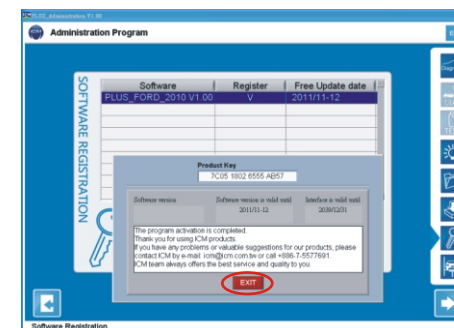
3-3. It will display that the registration is completed. Meanwhile, you are allowed to use the diagnostic functions. Click "OK".
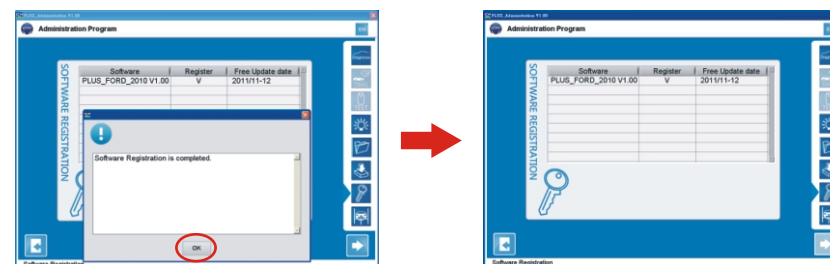
3-4. Choose "DIAGNOSIS" and click ➡ , the detail of your interface will be listed. Click "Close".

3-5. You will see the car menu.

After replacing your computer (Laptop or Desktop):
After installing WIN-STAR PLUS program, you need to connect the interface and the car to request the activation code one more time. (The WIN-STAR PLUS program in the original computer will not be activated any more.)
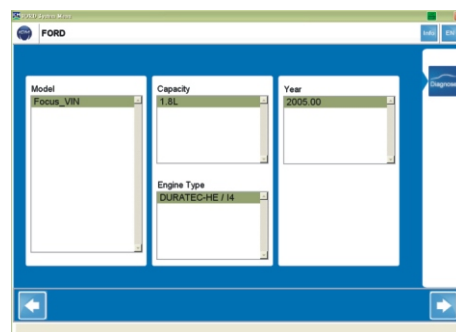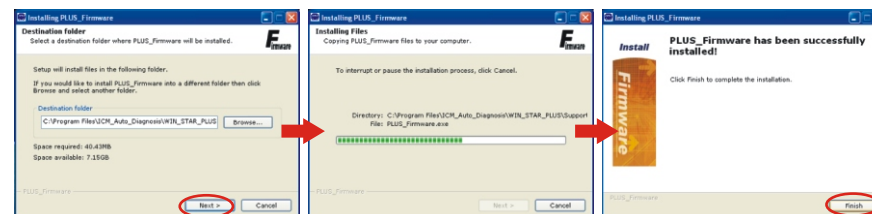
13. Hardware Upgrade

1. Pre-installation for Hardware Upgrade

1-1. Firmware Upgrade Tool-
Program Download: From your Diagnostic Software CD or www.icm.com.tw → Technical Support → Choose interface → Firmware → Firmware Upgrade Tool
※ **Please confirm that you have installed this tool.**

1-2. Firmware Upgrade File -
Program Download: From www.icm.com.tw → Technical Support Firmware → Firmware Version → to find the latest file format

Please download it to your desktop as like PD_Vx.x.exe.
Unzip: Please click this file on your desktop and follow its default path to unzip it
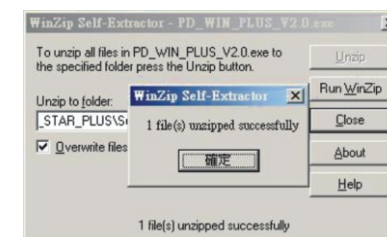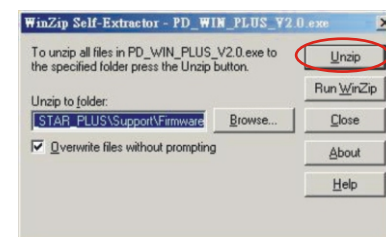
※ **To change its default path is NOT ALLOWED.**

2. To start hardware upgrade

Start Firmware upgrade from the desktop
"Start Menu" → "Programs" → "Auto_Diagnosis" → "Auto_Administration" →
"OTHER PROGRAM IN NEED" → "Firmware"

3. Connect multiplexer with PC and OBDII diagnosis cable.

4. Please click the multiplexer picture to start next step.
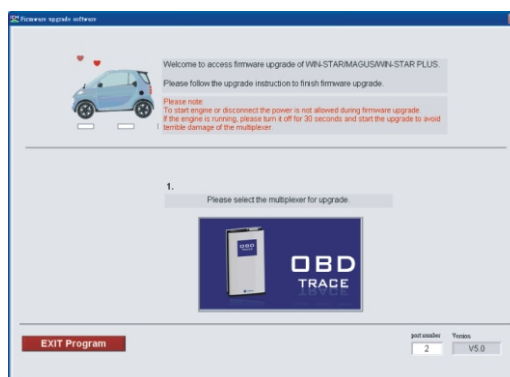
5. After confirming the serial no. and the current version is correct, please click "Start HW upgrade".
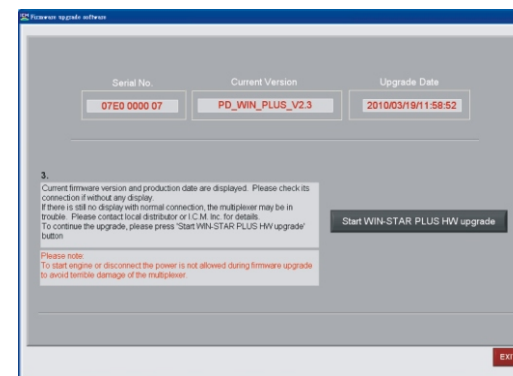
6. Choose the version, and then click "Start Upgrade procedure".

Do not close the window or interrupt power on upgrade procedure to avoid any multiplexer damage.

7. Please press the "U" button on the multiplexer and black keep it pressed. Then click "Upgrade" on the window.

8. When the Upgrade window pops up, please release the black button and wait for few minutes.

9. Click "OK" to complete upgrade.

10. Then click "Exit" and leave the program.

14. Warranty Policy

1. Warranty Introduction

The term "Product" shall mean OBD TRACE.
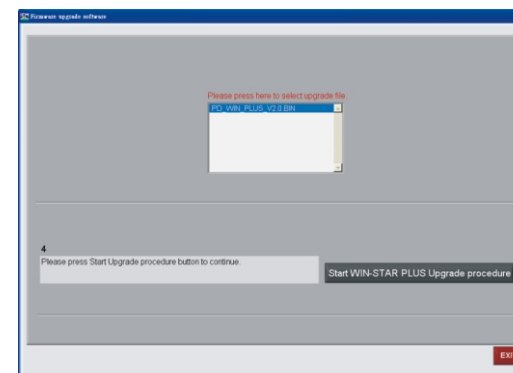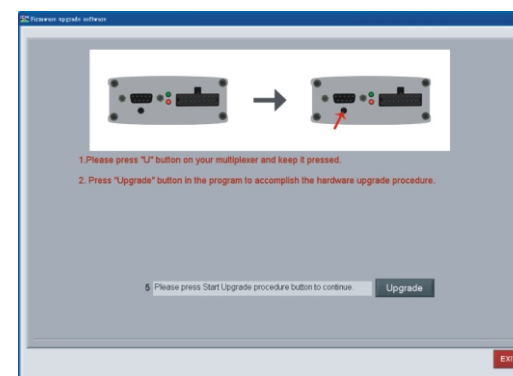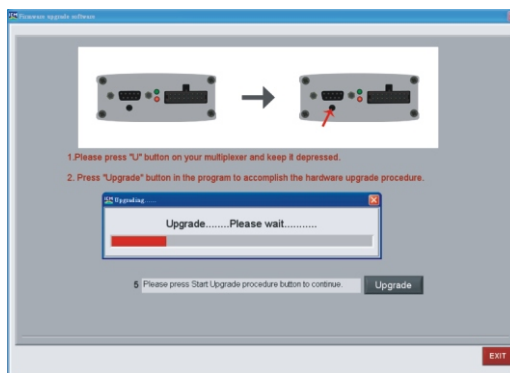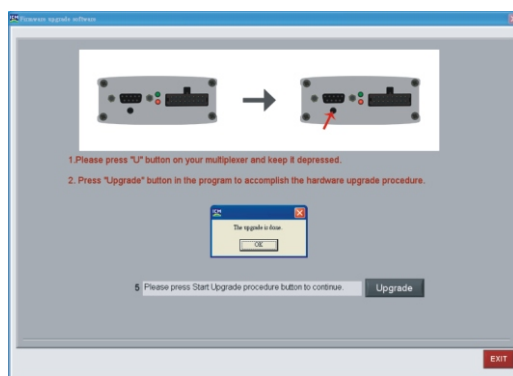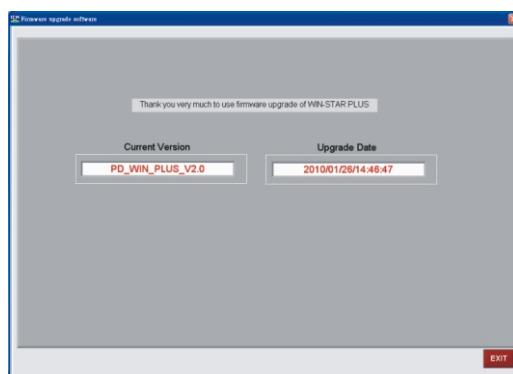I. C. M. Inc. warrants and tests the Product to be free from defects in material and workmanship and to conform to published specifications. During the warranty period, should the Product fail under normal use in the recommended environment due to improper workmanship or materials, I. C. M. Inc. will repair the Product or replace it with a comparable one.

I. C. M. Inc. will inspect the Product and make a decision regarding repair or replacement.

I. C. M. Inc. reserves the right to provide a functional equivalent or refurbished replacement Product.

2. Duration of Warranty

One-Year Warranty:
The Product is covered by this warranty for a period of one year from the date of original purchase.

I. C. M. Inc. reserves the right to determine whether repair or replacement is suitable upon inspection of the Product. The decision made by I. C. M. Inc. whether to repair or replace the Product will be final.

3. Warranty Claim Requirements

When sending a defective Product to I. C. M. Inc., it is required that customers provide prepaid freight and insurance. Shipped Products must be properly packaged to prevent damage during transit. For Products purchased from I. C. M. Inc. distributor or reseller, customers must contact the seller for replacement or repair.

4. Replacement and Repair

Beyond warranty period - I. C. M. Inc. will repair a defective Product beyond warranty; however, the customer will be charged for the cost of labor and replaced parts if the defective Product was returned beyond the applicable warranty period.

5 ▪ Exceptions of Warranty

This warranty does not apply to Product failure due to accident, abuse, mishandling, improper installation, and alteration, acts of nature, improper usage, or problems with electrical power. In addition, opening or tampering with the Product casing, or any physical damage, abuse or alteration to the Product's surface will also void the Product warranty.

This warranty only applies to the Product itself. I. C. M. Inc. will not be liable for damages resulting from a third party device that causes the Product to fail.

Please note that should the Product defect be caused by any of the following factors, I. C. M. Inc. is not responsible:
a. Mishandling during shipment.
b. Misuse, repair or modification by users.
c. Not following the instructions in the user manual correctly.

> **"We never succeed until you succeed"**
> **It's the core of our Customer Satisfaction.**
> **I. C. M. Inc. team thank you for choosing this**
> **Product and for being our valued customer!**