

Service Information

Workshop Equipment

Number: Indie-54AUSE

Subject: VAS 5054A Transmitter Head – USB Configuration & Function

Date: Jan. 06, 2012

1.0 – Introduction

If a **VAS 5052A tablet** or **VAS 6150 Class laptop** is used to perform anti-theft immobilizer adaptation, it is necessary to connect a USB cable between the tablet or laptop device and their Bluetooth (wireless) matched VAS 5054A Transmitter Head. This ensures uninterrupted data transfer.

Prior to first use with a USB cable, the VAS 5054A must be configured for USB (cabled) operation. Once configured, the USB cable can be used at any time in accordance with the function guidelines stated in these instructions.

ATTENTION!

Do not attempt to use the USB cable between VAS tester tablet or laptop device, or alternate between wireless and cabled modes without performing the initial USB configuration! Doing so may cause the tablet or laptop operating system to “lock up”, which requires a forced, manual restart and loss of the session diagnostic log.

2.0 – Procedure

2.1 – Initial USB Software Configuration

Note:

A VAS 5054A that is connected to a vehicle Data Link Connector (DLC) and operating in Bluetooth (wireless) mode must be reset by disconnecting and reconnecting it to the DLC **prior to** initial USB (cabled) configuration.

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Prerequisites:

- VAS diagnostic tester **tablet** or **laptop** device connected to power adapter and powered up. (Do not attempt configuration on battery power alone).
- **Laptop** wireless switch in the **OFF** position.
- Vehicle available.
- VAS 5054A previously matched to the tablet or laptop and used in Bluetooth (wireless) mode is available and **disconnected** from the vehicle Data Link Connector (DLC).

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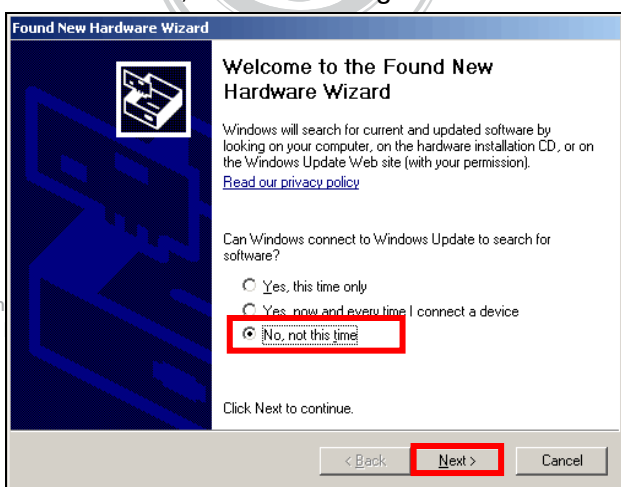


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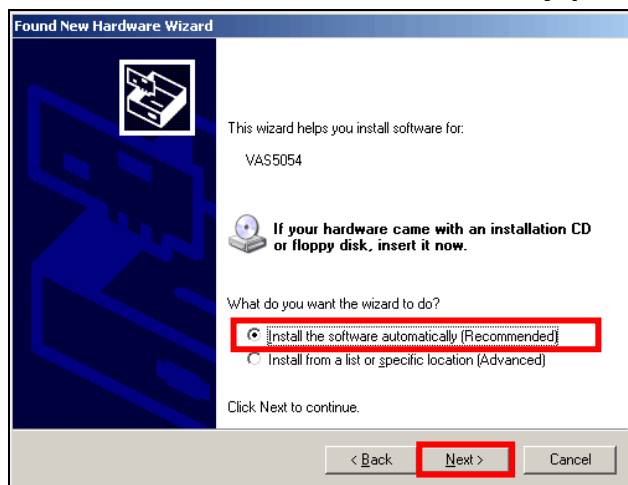
1. From the Windows desktop, start the **VAS-PC** application.
2. From the VAS-PC main/start screen, note and record the **installed Base version number** as displayed on the application header:

VAS-PC Base Version #:

3. Shut down the VAS-PC application. **Note that configuration processes are not possible with VAS-PC running!**
4. Connect the VAS 5054A to a vehicle DLC to establish power supply.
5. Connect the USB cable between the VAS 5054A and a free USB port on the tablet or laptop.
6. When the **Found New Hardware Wizard** starts, select **No, not this time**, then **Next**. If the wizard does **not** start, the USB configuration has already been performed. No further action is necessary.



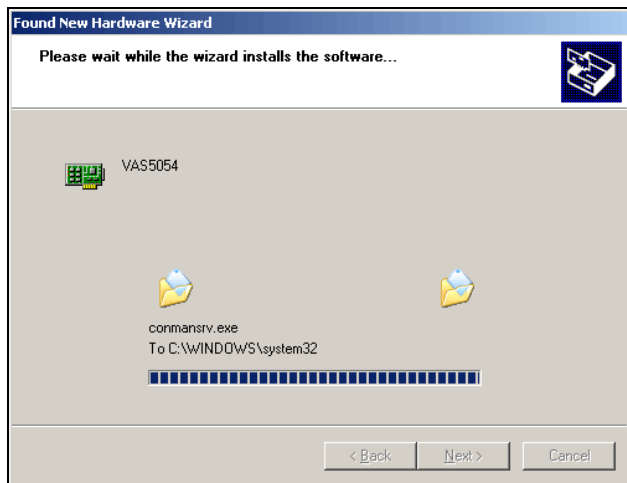
7. Select **Install the software automatically (Recommended)**, then **Next**.





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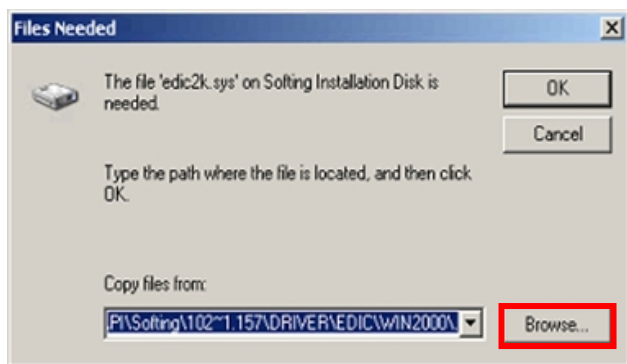
8. Wait while the wizard locates and installs the software.



If the following **Files Needed** message appears: **The file 'edic2k.sys' on Softing Installation disc is needed**", proceed to **Steps 9 through 11** to manually locate and install the file.

If the **Files Needed** message does not appear, **skip to Step 16**.

9. Click **Browse...**

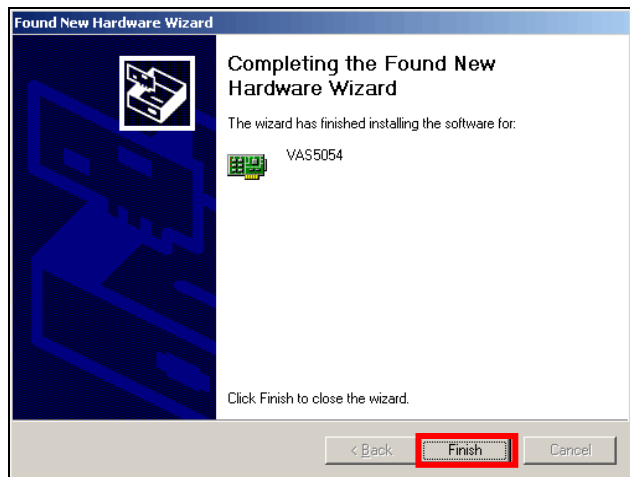


10. If necessary, set the folder directories **View** level to **•Details**.
11. Locate the system file by navigating through the following path: **C: > PDU-API > Softing**.
12. Depending on device and installed Base version, the Softing folder will contain one or two subfolders identified by a **version number**. For example: **1.10.046**.
- If the **Softing** folder contains **only one** numbered subfolder, open that folder and resume navigation through the following path: **Driver > EDIC > Win2000**.
 - If the **Softing** folder contains **two** numbered subfolders, select the newest folder version as per its **Date Modified** date and resume navigation through the following path: **Driver > EDIC > Win2000**.
13. Right click - select the **edic2K.sys** file.
14. From the dropdown, click **Select** to populate the filename path in the **Files Needed** dropdown.
15. Click **OK**.
16. Wait while the wizard locates and installs the additional software.



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17. Click **Finish** to complete the installation and close the installation window.



Note the **Base version** recorded on **Page 2**. The remaining steps must be performed in accordance with the installed Base version:

Devices with Base V19.01.00 and higher: > Below - Section 2.2

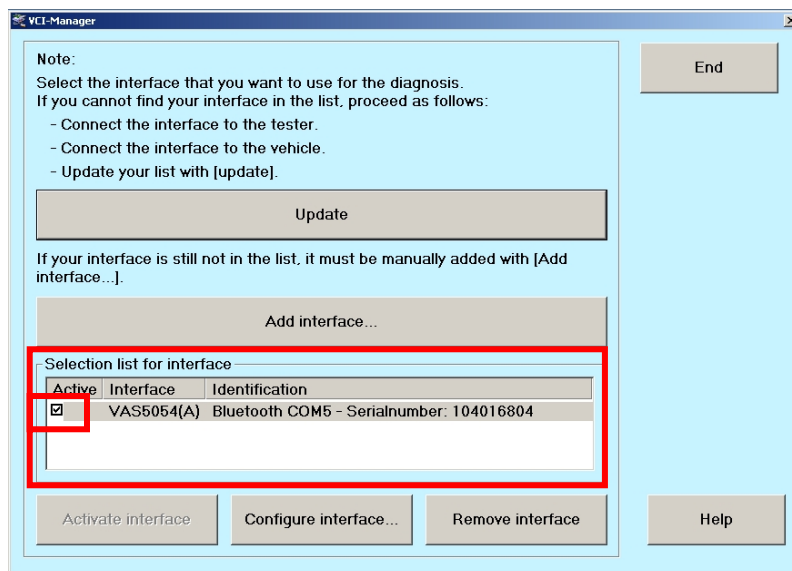
Devices with Base V15.00.00 through V19.00.00: > Page 5 - Section 2.3

2.2 – Base V19.01.00 and higher – EDIC USB Configuration via VCI-Manager

1. From the Windows desktop, start the **VCI-Manager** application.
2. Verify that the previously configured 5054A is listed in the **Selection list for interface** window.

Note:

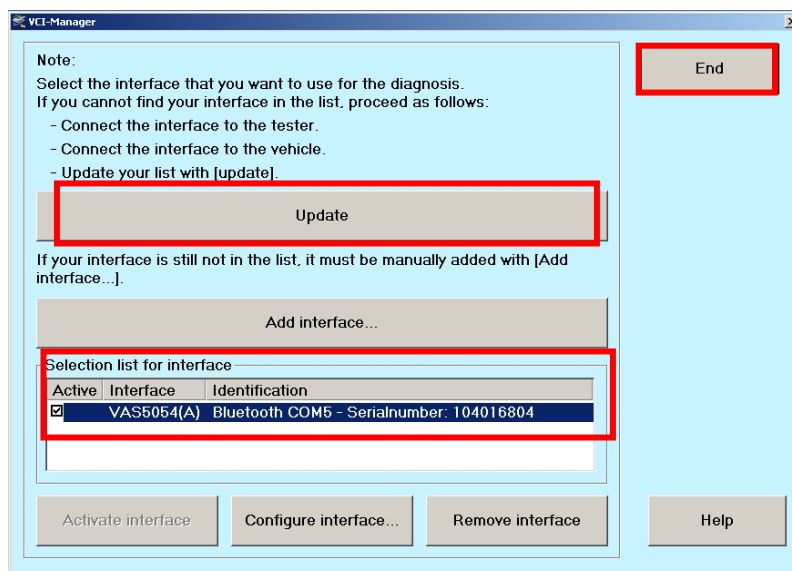
*If more than one interface is listed in the selection list, ensure that the previously configured VAS 5054A appears **listed with a checkmark (☑)** as being **Active**. If a checkmark **does not appear**, check the VAS 5054A entry manually before enabling.*





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3. Verify that the USB cable is attached securely between the tablet/laptop and VAS 5054A, and that the VAS 5054A is securely seated in the vehicle DLC.
4. Left click – select (blue highlight) the previously configured 5054A in the selection list. Then click **Update** to enable the transmitter head. Click **End** to close the VCI-Manager interface.

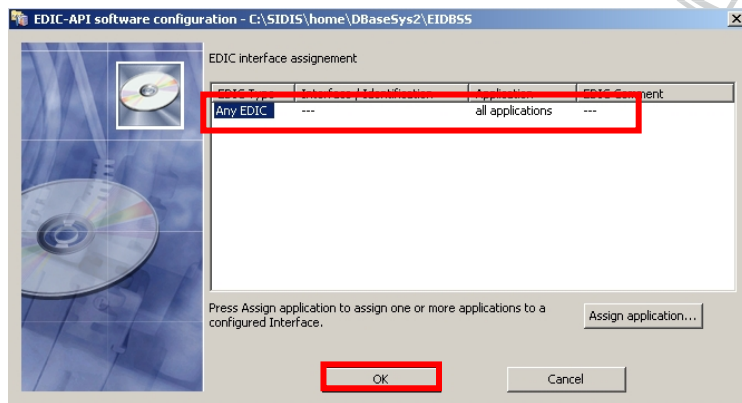


4. From the Windows desktop, start VAS-PC.
5. Commence use of VAS 5054A via USB cable.

Refer to section 3.0 for instructions on alternating between Bluetooth (wireless) and USB (cabled) communication modes.

2.3 – Base V15.00.00 through V19.00.00 – EDIC USB Configuration via EDIC Application

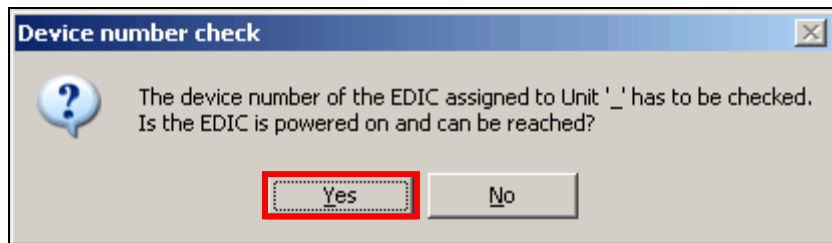
1. Start the **EDIC Software Configuration** program by double-clicking the desktop icon.
2. From the **EDIC Type** listing, select **Any EDIC** (blue highlight background must appear). Then select **OK** to enable USB operation of the VAS 5054A.





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3. Verify that the USB cable is attached securely between the tablet/laptop and VAS 5054A, and that the VAS 5054A is securely seated in the vehicle DLC.
4. Click **Yes**.



5. When the VAS 5054A is successfully enabled, the **EDIC software configuration** program window will close automatically.
6. From the Windows desktop, start VAS-PC.
7. Commence use of VAS 5054A via USB cable.

Refer to section 3.0 for instructions on alternating between Bluetooth (wireless) and USB (cabled) communication modes.

3.0 – Wireless & USB Function

ATTENTION!

- Always reset the VAS 5054A by disconnecting from, and reconnecting to the DLC prior to changing connection modes.
- Always shut down and restart VAS-PC before changing connection modes. This prevents system memory errors and lockups, and ensures safe retention of diagnostic logs for retrieval and transmission.
- Communication modes must not be changed during an active diagnostic session!

From a VAS-PC diagnostic session in Bluetooth (wireless) mode, start USB (cabled) mode as follows:

Prerequisite:

Initial USB configuration performed as described above.

1. Conclude diagnosis session and save diagnosis log as necessary.
2. **Close VAS-PC.**
3. Remove VAS 5054A from vehicle DLC.
4. On laptops, turn the wireless switch to the **OFF** position.
5. Connect VAS 5054A to vehicle DLC.
6. Connect USB cable between VAS 5054A and a free USB port on the tablet or laptop.
7. Start VAS-PC and a new diagnosis session as necessary, i.e.: anti-theft immobilizer adaptation.



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8. Select and perform the applicable VAS-PC application function. Ensure battery maintainer is connected to vehicle battery prior to any extended use of the tablet or laptop with VAS 5054A in USB (cabled) mode.

From a VAS-PC diagnostic session in USB (cabled) mode, start use of Bluetooth (wireless) mode as follows:

1. Conclude diagnosis session and save diagnosis log as necessary.
2. **Close VAS-PC.**
3. Remove VAS 5054A from vehicle DLC and remove USB cable.
4. On laptops, turn the wireless switch to the **ON** position.
5. Reconnect VAS 5054A to vehicle DLC.
6. Start VAS-PC and a new diagnostic session as necessary.



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