

Service Information

VAS Tester

Subject: VAS 5054A Transmitter Head – Bluetooth® & EDIC Configuration

Date: Mar. 5, 2014

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1.0 – Introduction

Use the procedures in the following sections to configure a VAS 5054A Transmitter Head on a VAS diagnostic laptop or tablet with **ODIS Service ONLY**.

This document covers VAS 5054A configuration for VAS diagnostic laptop or tablet devices with **Windows XP** and **Windows 7** operating systems.

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2.0 – Preparation

Prerequisites

- VAS diagnostic laptop or tablet connected to power adapter.
- VAS-PC not installed or previously uninstalled.**
- The latest version of ODIS Service installed and configured.**
- ODIS Service not running during configuration.
- VAS diagnostic tester tablets: On-screen keyboard activated for number entry and USB mouse connected for easier navigation.

1. Turn on the diagnostic laptop or tablet.
2. Note the **Windows operating system logo** displayed during startup (**Windows XP** or **Windows 7**).
3. Ensure the wireless operation switch is turned **ON** as applicable:



VAS 6150 & VAS 6150A
(Front panel behind handle)



VAS 6150B & VAS 6150C
(Middle right side behind WIRELESS door)



VAS 6160/A
(Upper left side behind SC/EX door)

4. Record the VAS 5054A **Serial Number (S#)** from a label on back of the transmitter housing:

VAS 5054A Serial Number (S#): _____

5. Connect the VAS 5054A to a vehicle Data Link Connector (DLC) and switch the ignition ON. The blue LED on the transmitter head **must flash**.
6. Proceed with **Windows Bluetooth** configuration steps in accordance with the installed operating system. Ref. **Section 3.0** below.

3.0 – Windows® Bluetooth® Configuration

3.1 – General Information

The Windows Bluetooth configuration “pairs” the VAS 5054A with the diagnostic laptop/tablet for Bluetooth (wireless) communication.

Bluetooth configuration procedures differ slightly between Windows XP and Windows 7. Please choose the procedure that applies in your case:

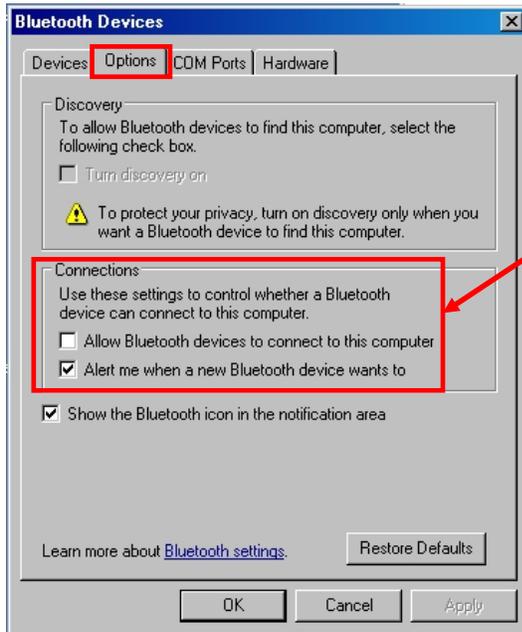
- **Windows XP** – Section 3.2 – [Page 3](#).
- **Windows 7** – Section 3.3 – [Page 7](#).

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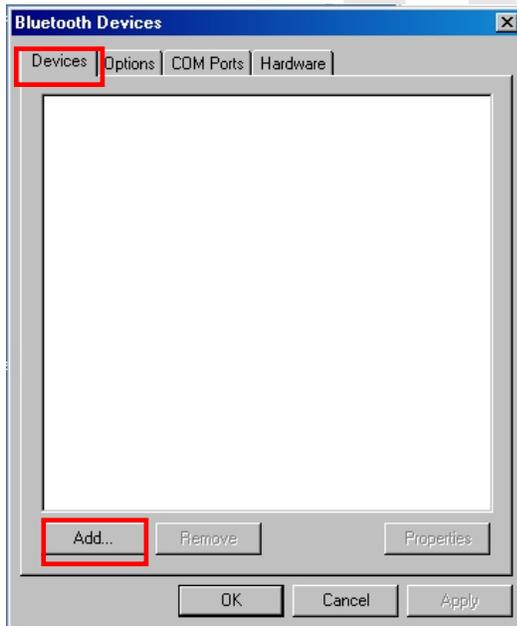
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3.2 – Procedure - Windows XP

1. From the Windows desktop, go to **Start > Settings > Control Panel**.
2. Select **Bluetooth Devices** from the Control Panel menu.
3. Select the **Options** tab: Verify that “**Allow Bluetooth devices to connect to this computer**” is **NOT** checked, and “**Alert me when a new Bluetooth device wants to**” **IS** checked:



4. Select the **Devices** tab, then click **Add**:



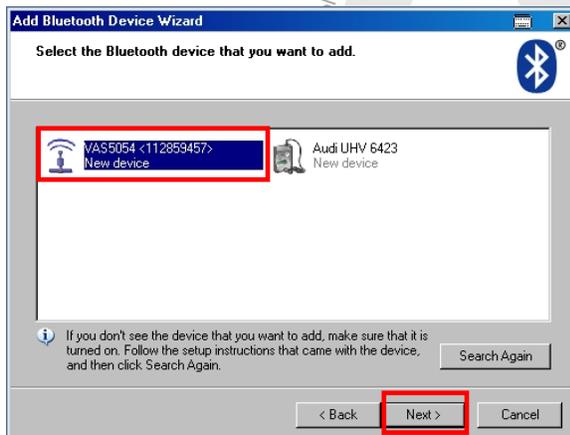
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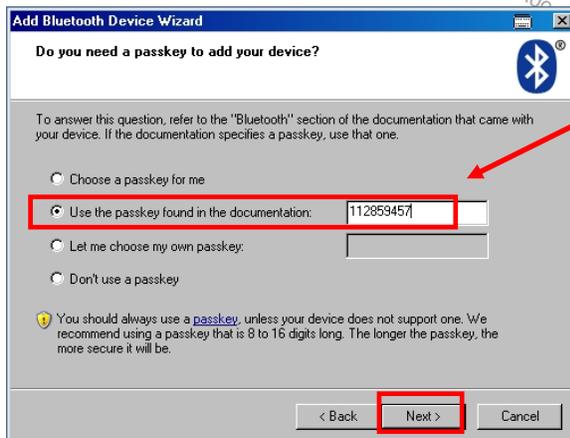
5. Check **“My device is set up and ready to be found”**, then click **Next** to start the device search:



6. Select/highlight **VAS5054 <112859457>**. Confirm the number between the < > symbols **matches the VAS 5054A serial number recorded on Page 2**, then click **Next**:



7. Select the passkey option: **“Use the passkey found in the documentation”**. Enter the **VAS 5054A serial number recorded on Page 2** as the “passkey”, then click **Next**:



8. **Wait** while Windows configures the Bluetooth connection.

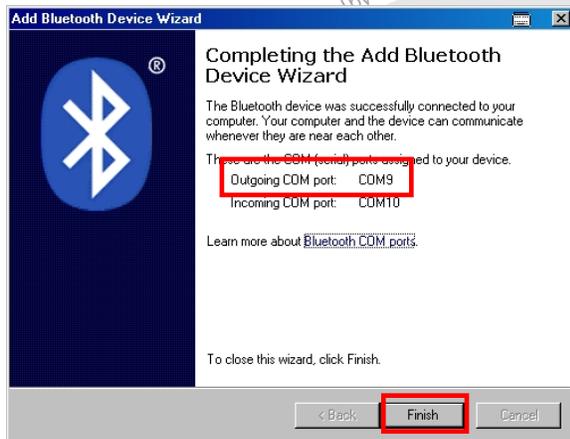
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9. Record the **Outgoing COM port** assigned to the device in the space provided below, then click **Finish**:

Note:

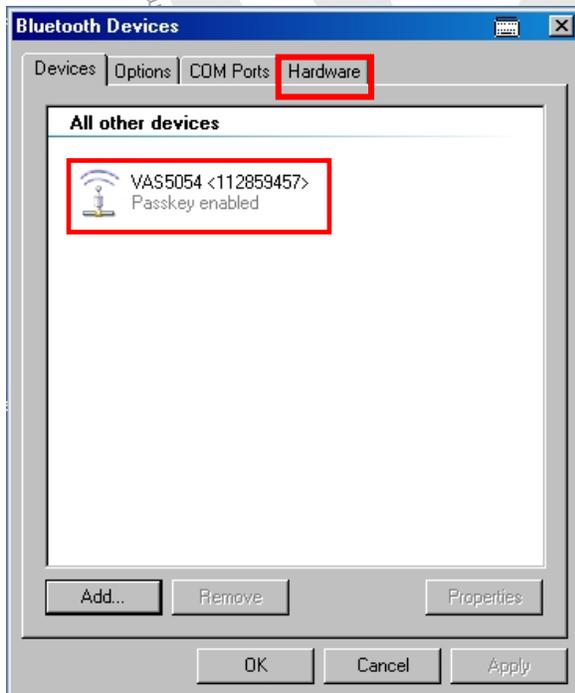
The COM port number illustrated below is **an example only!** Each configuration is unique, so it is important to record the COM port number assigned during **your** configuration.



Outgoing COM port:

The VAS 5054A now appears in the **Bluetooth Devices** window.

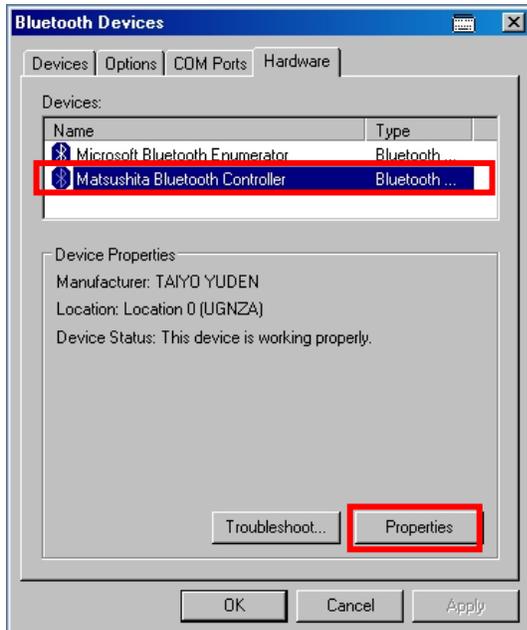
10. Select the **Hardware** tab:



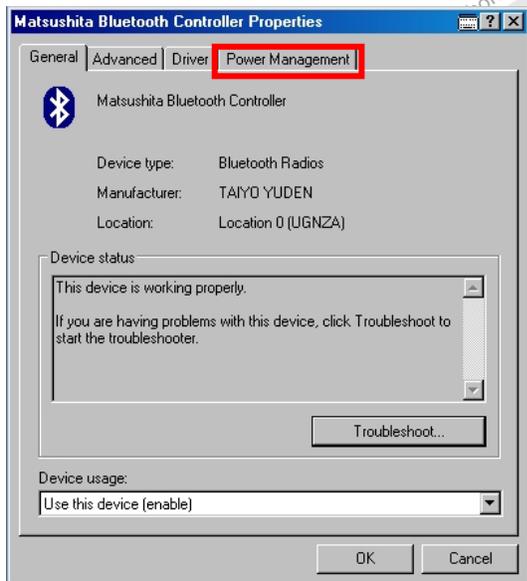
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11. Select (highlight) device name **Matsushita Bluetooth Controller** or **ALPS Integrated Bluetooth Device** as applicable to your device, then click **Properties**:



12. If the **Power Management** tab is present, select it:



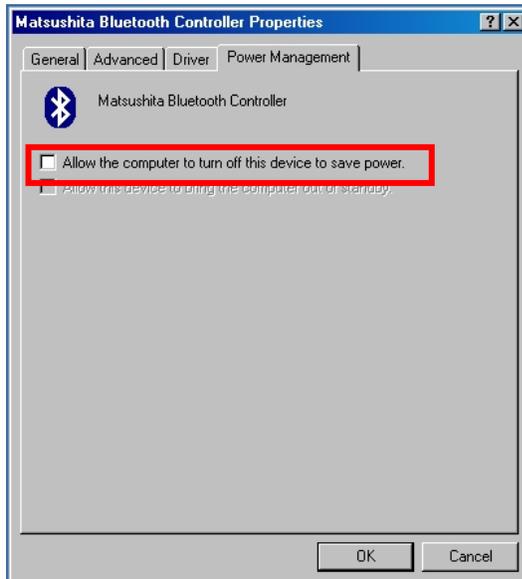
Note:

If the **Power Management** tab is **not** present, **close the Bluetooth Controller and Control Panel** windows. In this case the power management feature is not present and no further action is necessary.

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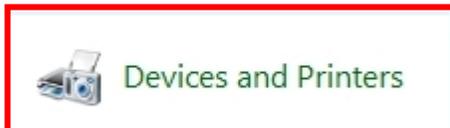
13. Ensure that “**Allow the computer to turn off this device to save power**” is **deselected**, and then select **OK**:



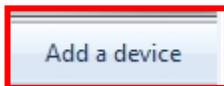
14. Close the Control Panel window and proceed with the **EDIC Hardware Configuration**. Ref. **Section 4.0 – [Page 10](#)**.

3.3 – Procedure – Windows 7

1. From the Windows desktop, go to **Windows Button (Start) > Control Panel**
2. From the Control panel list window, select **Devices and Printers**:



3. From the window header, select **Add a Device**:



Windows displays a list of Bluetooth devices found.

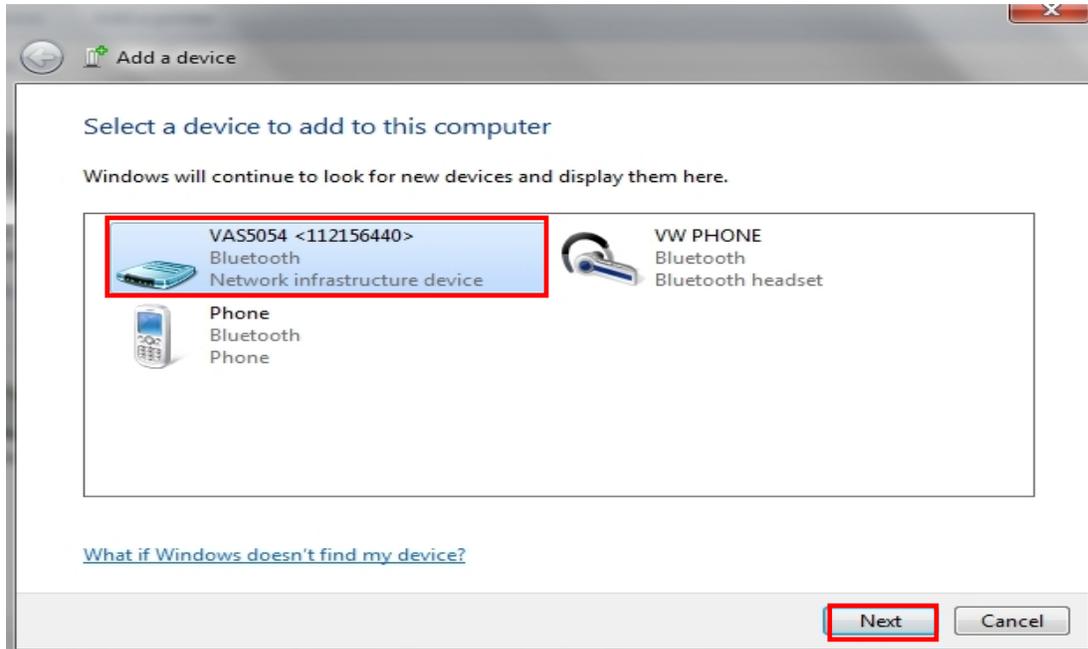
Note:

*The VAS 5054A serial number shown in the following illustrations **is an example only!**
Each VAS 5054A is assigned a unique serial number.*

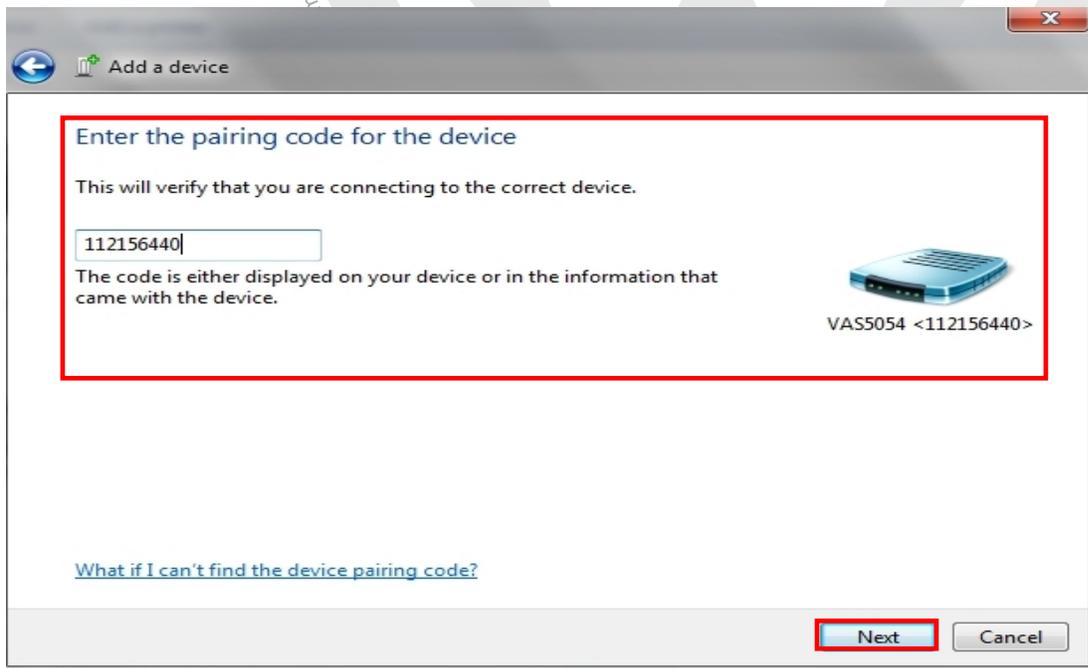
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4. Select/highlight **VAS5054 <112156440>**. Confirm the number displayed between the < > symbols **matches the VAS 5054A serial number recorded on Page 2**, then click **Next**:



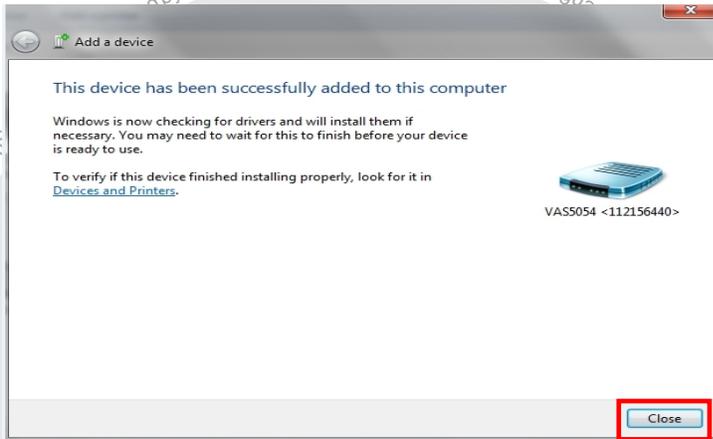
5. Enter the **VAS 5054A serial number recorded on Page 2** as the “pairing code, then click **Next**:



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6. When the confirmation window indicating the device has been added appears, click **Close**:



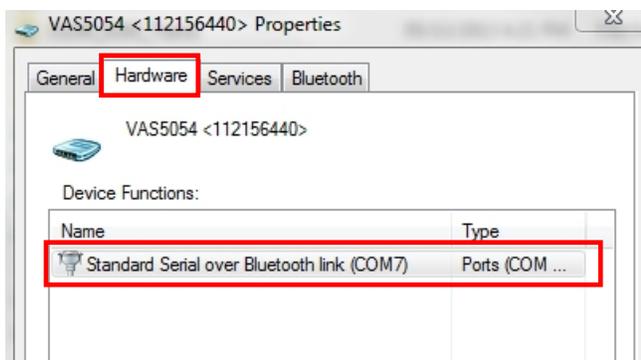
7. From the Devices and Printers window, **double click VAS5054 <.....>**:



8. Select the **Hardware Tab** and record the **COM port** assigned to your device in the space provided below:

Note:

The COM port number illustrated below is **an example only!** Each configuration is unique, so it is important to record the COM port number assigned during **your** configuration.



COM Port: _____

9. Close the Properties window and proceed with the **EDIC Hardware Configuration**. Ref. [Section 4.0 – Page 10](#).

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4.0 – EDIC Hardware Configuration

4.1 – General Information

The EDIC hardware configuration enables data to be exchanged between the Bluetooth (wireless) functions of the VAS 5054A and the ODIS Service diagnostic software.

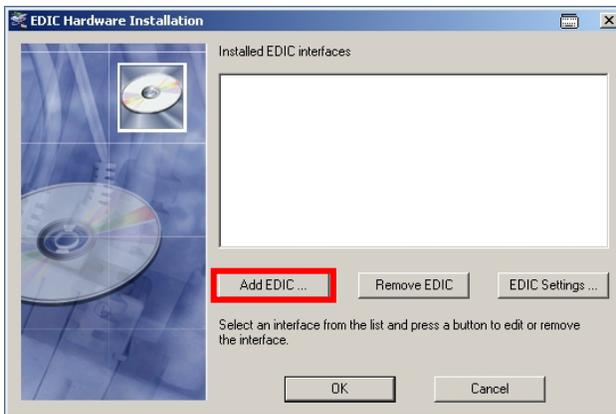
The screenshots illustrated below are from a classic Windows XP installation. While slightly different prompt window formatting and colors appear in Windows 7, the configuration procedure outlined below is **identical for both Windows XP and Windows 7 installations.**

4.2 – Procedure

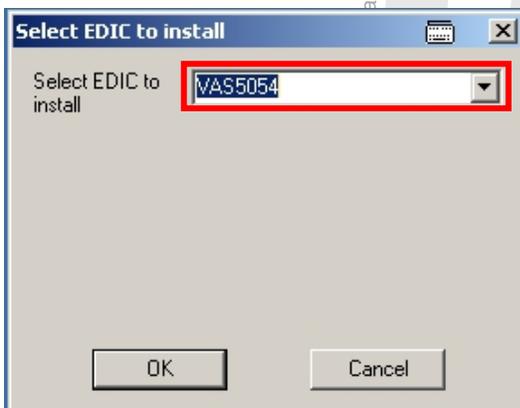
1. From the Windows desktop, double click the **ODIS Service EDIC configuration** program icon:



2. Click **Add EDIC ...** :



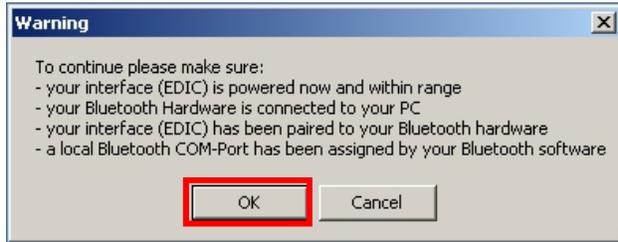
3. Select (highlight) **VAS5054** from the dropdown menu, and then click **OK**:



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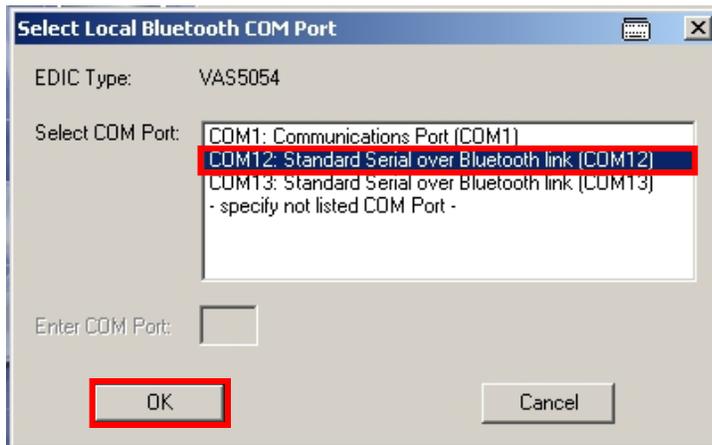
4. Click **OK**:



5. Select (highlight) the **COM** port as previously recorded:
Windows XP: Page 5, or Windows 7: Page 9, then click OK:

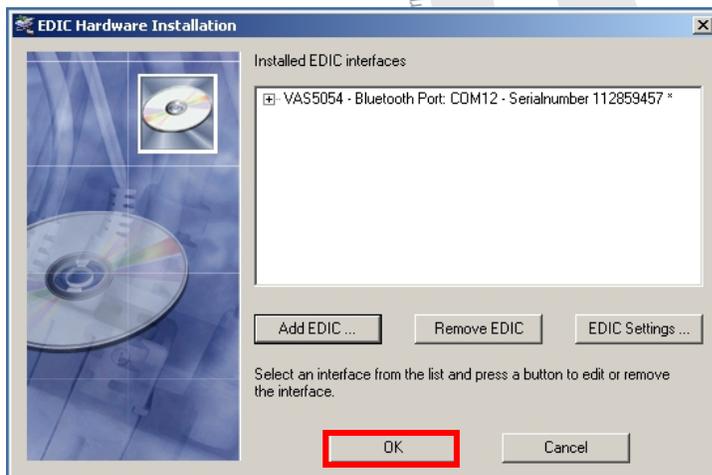
Note:

*The COM port selection illustrated below is **an example only!** Each configuration is unique, so it is important to select the COM port number assigned and recorded during **your** configuration.*



The configured VAS 5054A and assigned COM port appears in the **Installed EDIC Interfaces** display.

5. Click **OK**:



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6. From the Windows desktop, click the **DiagStarter** icon and start **ODIS Service**.

7. Initiate a diagnostic session and confirm vehicle to diagnostic device communication.

The VAS diagnostic device can now be placed into service with its configured VAS 5054A.

5.0 – VAS 5054A Configuration Settings

5.1 – General Information

The **VCI Manager** application that was previously used to control the VAS 5054A configuration for **Buzzer** and **PowerOff** settings is no longer used on **ODIS Service only** installations.

If desired, buzzer and power settings can be changed using the **EDIC Configuration Manager** application as described below.

5.2 – Procedure

Prerequisites:

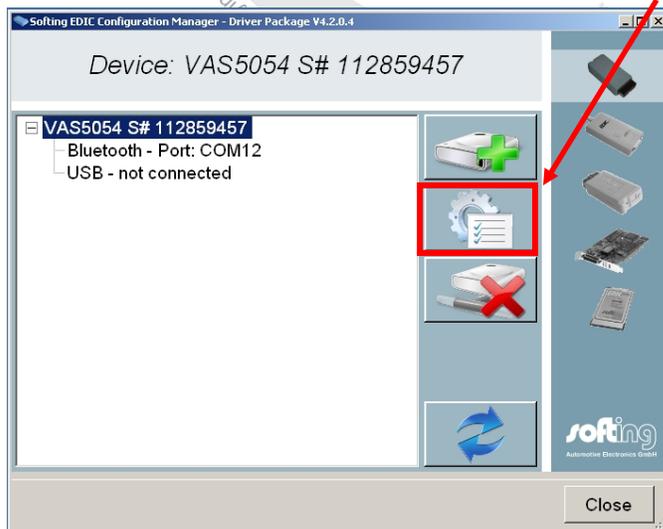
- ODIS Service **version 2.1.0** or higher installed.
- VAS diagnostic laptop or tablet plugged in to power adapter, booted to Windows desktop.
- VAS 5054A configured for Windows Bluetooth and EDIC Hardware as instructed in Section 3.0 and Section 4.0.
- VAS 5054A plugged in to vehicle Data Link Connector (DLC), blue LED flashing.

1. Navigate to the **EDIC Configuration Manager** as follows:

- From the **Windows XP** desktop, go to:
Start > Programs > Softing D-PDU API for VCIs V1.20.XXX
- From the **Windows 7** desktop, go to:
Windows Button (Start) > All Programs > Softing D-PDU API for VCIs V1.20.XXX

2. Select **EDIC Configuration Manager**

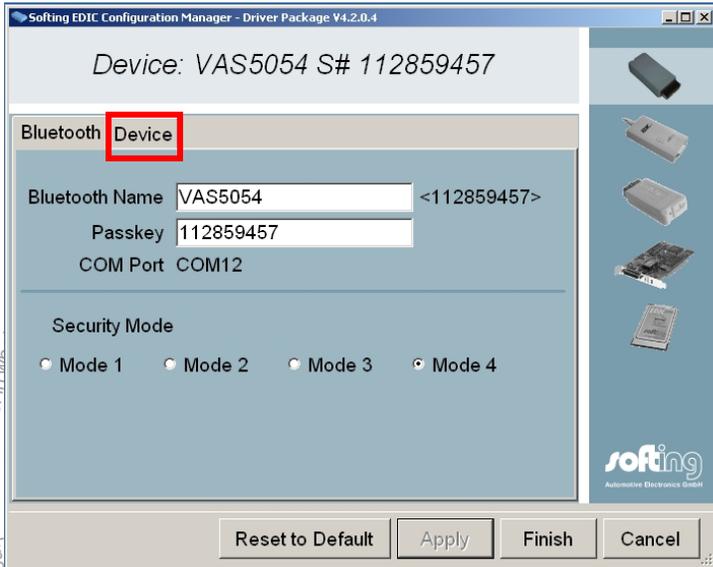
3. With the paired VAS 5054A highlighted, click the **Gear Icon**:



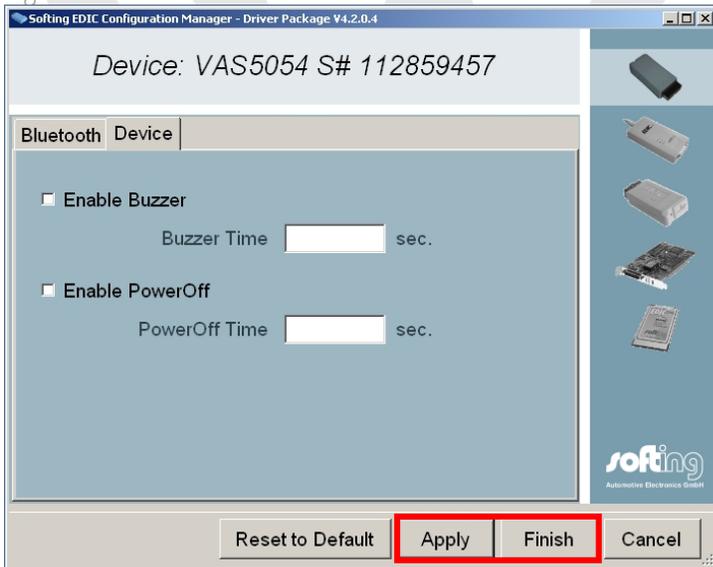
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4. After the Bluetooth name and passkey are displayed, click the **Device Tab**:



5. Select and configure the **Buzzer** and **Power Off** functions as desired, then click **Apply** to save the settings and **Finish** to return to the main configuration window.



Note:

To prevent loss of communication during extended ODIS Service diagnostic sessions, we recommend the **PowerOff function remain disabled.**

Cautions & Warnings

Please read these WARNINGS and CAUTIONS before proceeding with maintenance and repair work. You must answer that you have read and you understand these WARNINGS and CAUTIONS before you will be allowed to view this information.

- If you lack the skills, tools and equipment, or a suitable workshop for any procedure described in this manual, we suggest you leave such repairs to an authorized Volkswagen retailer or other qualified shop. We especially urge you to consult an authorized Volkswagen retailer before beginning repairs on any vehicle that may still be covered wholly or in part by any of the extensive warranties issued by Volkswagen.
- Disconnect the battery negative terminal (ground strap) whenever you work on the fuel system or the electrical system. Do not smoke or work near heaters or other fire hazards. Keep an approved fire extinguisher handy.
- Volkswagen is constantly improving its vehicles and sometimes these changes, both in parts and specifications, are made applicable to earlier models. Therefore, part numbers listed in this manual are for reference only. Always check with your authorized Volkswagen retailer parts department for the latest information.
- Any time the battery has been disconnected on an automatic transmission vehicle, it will be necessary to reestablish Transmission Control Module (TCM) basic settings using the VAG 1551 Scan Tool (ST).
- Never work under a lifted vehicle unless it is solidly supported on stands designed for the purpose. Do not support a vehicle on cinder blocks, hollow tiles or other props that may crumble under continuous load. Never work under a vehicle that is supported solely by a jack. Never work under the vehicle while the engine is running.
- For vehicles equipped with an anti-theft radio, be sure of the correct radio activation code before disconnecting the battery or removing the radio. If the wrong code is entered when the power is restored, the radio may lock up and become inoperable, even if the correct code is used in a later attempt.
- If you are going to work under a vehicle on the ground, make sure that the ground is level. Block the wheels to keep the vehicle from rolling. Disconnect the battery negative terminal (ground strap) to prevent others from starting the vehicle while you are under it.
- Do not attempt to work on your vehicle if you do not feel well. You increase the danger of injury to yourself and others if you are tired, upset or have taken medicine or any other substances that may impair you or keep you from being fully alert.
- Never run the engine unless the work area is well ventilated. Carbon monoxide (CO) kills.
- Always observe good workshop practices. Wear goggles when you operate machine tools or work with acid. Wear goggles, gloves and other protective clothing whenever the job requires working with harmful substances.
- Tie long hair behind your head. Do not wear a necktie, a scarf, loose clothing, or a necklace when you work near machine tools or running engines. If your hair, clothing, or jewelry were to get caught in the machinery, severe injury could result.
- Do not re-use any fasteners that are worn or deformed in normal use. Some fasteners are designed to be used only once and are unreliable and may fail if used a second time. This includes, but is not limited to, nuts, bolts, washers, circlips and cotter pins. Always follow the recommendations in this manual - replace these fasteners with new parts where indicated, and any other time it is deemed necessary by inspection.

Cautions & Warnings

- Illuminate the work area adequately but safely. Use a portable safety light for working inside or under the vehicle. Make sure the bulb is enclosed by a wire cage. The hot filament of an accidentally broken bulb can ignite spilled fuel or oil.
- Friction materials such as brake pads and clutch discs may contain asbestos fibers. Do not create dust by grinding, sanding, or by cleaning with compressed air. Avoid breathing asbestos fibers and asbestos dust. Breathing asbestos can cause serious diseases such as asbestosis or cancer, and may result in death.
- Finger rings should be removed so that they cannot cause electrical shorts, get caught in running machinery, or be crushed by heavy parts.
- Before starting a job, make certain that you have all the necessary tools and parts on hand. Read all the instructions thoroughly; do not attempt shortcuts. Use tools that are appropriate to the work and use only replacement parts meeting Volkswagen specifications. Makeshift tools, parts and procedures will not make good repairs.
- Catch draining fuel, oil or brake fluid in suitable containers. Do not use empty food or beverage containers that might mislead someone into drinking from them. Store flammable fluids away from fire hazards. Wipe up spills at once, but do not store the oily rags, which can ignite and burn spontaneously.
- Use pneumatic and electric tools only to loosen threaded parts and fasteners. Never use these tools to tighten fasteners, especially on light alloy parts. Always use a torque wrench to tighten fasteners to the tightening torque listed.
- Keep sparks, lighted matches, and open flame away from the top of the battery. If escaping hydrogen gas is ignited, it will ignite gas trapped in the cells and cause the battery to explode.
- Be mindful of the environment and ecology. Before you drain the crankcase, find out the proper way to dispose of the oil. Do not pour oil onto the ground, down a drain, or into a stream, pond, or lake. Consult local ordinances that govern the disposal of wastes.
- The air-conditioning (A/C) system is filled with a chemical refrigerant that is hazardous. The A/C system should be serviced only by trained automotive service technicians using approved refrigerant recovery/recycling equipment, trained in related safety precautions, and familiar with regulations governing the discharging and disposal of automotive chemical refrigerants.
- Before doing any electrical welding on vehicles equipped with anti-lock brakes (ABS), disconnect the battery negative terminal (ground strap) and the ABS control module connector.
- Do not expose any part of the A/C system to high temperatures such as open flame. Excessive heat will increase system pressure and may cause the system to burst.
- When boost-charging the battery, first remove the fuses for the Engine Control Module (ECM), the Transmission Control Module (TCM), the ABS control module, and the trip computer. In cases where one or more of these components is not separately fused, disconnect the control module connector(s).
- Some of the vehicles covered by this manual are equipped with a supplemental restraint system (SRS), that automatically deploys an airbag in the event of a frontal impact. The airbag is operated by an explosive device. Handled improperly or without adequate safeguards, it can be accidentally activated and cause serious personal injury. To guard against personal injury or airbag system failure, only trained Volkswagen Service technicians should test, disassemble or service the airbag system.

Cautions & Warnings

- Do not quick-charge the battery (for boost starting) for longer than one minute, and do not exceed 16.5 volts at the battery with the boosting cables attached. Wait at least one minute before boosting the battery a second time.
- Never use a test light to conduct electrical tests of the airbag system. The system must only be tested by trained Volkswagen Service technicians using the VAG 1551 Scan Tool (ST) or an approved equivalent. The airbag unit must never be electrically tested while it is not installed in the vehicle.
- Some aerosol tire inflators are highly flammable. Be extremely cautious when repairing a tire that may have been inflated using an aerosol tire inflator. Keep sparks, open flame or other sources of ignition away from the tire repair area. Inflate and deflate the tire at least four times before breaking the bead from the rim. Completely remove the tire from the rim before attempting any repair.
- When driving or riding in an airbag-equipped vehicle, never hold test equipment in your hands or lap while the vehicle is in motion. Objects between you and the airbag can increase the risk of injury in an accident.

I have read and I understand these Cautions and Warnings.

