

Important:

For pre 2010 pass-thru Immobilizer Instructions please read the following document:

[VW Revised Immobilizer Service Program for independent Workshops.](#)

For 2010 and beyond pass-thru Immobilizer Instructions, please read and follow the directions below.

Overview - Introduction

The Anti-theft Immobilizer system on Audi, Bentley, Lamborghini and Volkswagen vehicles, prevents the engine from being started by unauthorized means.

Some vehicle electrical system control modules that monitor or control engine emissions, as well as some related modules, are integrated with the Anti-theft Immobilizer system.

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Before you can replace an emission part

Should an emissions related control module that is integrated with the anti-theft immobilizer system require replacement, the new module must be adapted to the anti-theft immobilizer system. Adaptation is required for secure data communication between all vehicle system modules that are integrated with the immobilizer system. Module examples are: engine control module (ECM) and transmission control module (TCM), anti-theft immobilizer control module or instrument cluster, and vehicle keys.

The VAS for PC software enables immobilizer adaptation of applicable control modules on **MY. 2010 and newer**, Audi, Bentley, Lamborghini and Volkswagen vehicles. Users are guided through the adaptation process via an interactive graphics and text interface.

Requirements for using the VAS for PC software:

- You have enrolled into the program [Step 1: Complete Pass Thru Enrollment Forms](#)

- You have received an email from VWGoA that contains a Security ID and Password to access the immobilizer application hosted in Germany
- You have received an email from VWGoA that contains a certificate file (e.g. IndepeDeale.30001.300999.pfx)
- You have installed the certificate onto your PC
- You have obtained a J 2534-1 Pass Thru device [Recommend Devices](#)
- You have the JVM 1.4.2_15 JRE installed on your PC: For the latest Java update, click <http://www.java.com>
- Your computer environment meets the requirements outlined in [Immobilizer for PC Setup](#)

Recommended J 25434-1 Pass-Thru devices

Pass thru devices are available for purchase from a recommended manufacturer for registered workshops to perform Immobilizer functions. The Pass Thru devices that have been tested to work with VAS for PC follows:

- Pass thru+ XS (Firma: I+ME ACTIA GmbH): Firmware 2.07o, Driver 2.07p
Available from ACTIA Corp.
<http://www.passthruxs.com> or (734) 266-2083
- CarDAQ-Plus cable bundle (Drew Technologies): Firmware 01.09.14, Driver 01.09.16
Available from Drew Technologies, Inc.
<http://www.drewtech.com> or (734) 222-5228
- iFlash 2534 Global Programmer (Bluestreak): Firmware 2.11, Driver 5.20
Available from Blue Streak Electronics
<http://www.bsecorp.com> or (905) 669-4812
Email at Info@bsecorp.com
- VSI-2534 Vehicle Connection (Dearborn Group Technology): Firmware 1_112, Driver 2_05_22
Available from Dearborn Group Technology
<http://www.dgtech.com/>

Notes:

- Currently, Pass Thru re-programming supports SAE J2534-1 version 4.04 only.
- Please ensure that you have installed the appropriate driver for your Pass Thru device.
- For details read the documentation shipped with your device or contact the manufacturer.

Immobilizer for PC Setup

Minimum System Requirements

PC:

- CPU 1.7 GHZ
- RAM 1 GB
- Graphics 1024x768
- Hard Disk 10 GB Available
- USB connection for Pass-Thru-Box
- DVD
- LAN 100 Mb Broadband

Diagnostics:

- J 2543-1 Pass Thru device
- Battery Charger connected to vehicle during adaption

Warning: VAS adaption drains car batteries very quickly. If the battery charge depletes before adaption finishes, permanent damage to modules integrated with the immobilizer system could occur.

Software:

- Windows XP Professional (Service Pack 2) OR Windows 2000 (SP 4)
- VAS for PC Base CD or erWIN download (V18.05 or later)
- VAS for PC Make CD(s) or erWIN download (Audi, Bentley, Lamborghini, and/or VW)
- Microsoft Internet Explorer 6.0 SP 2, plus:
 - Microsoft XML Parser 4.0 SP2
 - Adobe Acrobat Reader 5.05
 - Java 2 Runtime Environment 1.4.2_15. For the latest Java update, click <http://www.java.com>

VAS for PC System Limitations

The VAS for PC application is designed to adapt modules to the anti-theft immobilizer system on MY 2010 or later vehicles only. The software must be run when replacing emissions related parts such as the ECM, TCM, IC, vehicle keys, and the anti-theft immobilizer control module. This software package includes the following product components:

- VAS for PC Base software (Ver. 18.05 or later)
- VAS for PC Make software matching the brand(s) you repair: Audi, Bentley, Lamborghini, and/or VW.

Note:

Using this product for any purpose other than adapting emissions related parts to the immobilizer system is not recommended or supported.

Link to Manuals: [Siemens VAS for PC Manual, Quick Reference and Troubleshooting document](#)

Step 1: Complete Pass Thru Enrollment Forms

What's needed?

- You must have a broadband internet connection
- You must be a licensed Independent Workshop with a Windows 2000 or XP computer see [minimum requirements](#)

How?

1. Contact: Arvato at (800) 544-8021 or Mail to: vwgoa@arvatousa.com
Arvato will provide you with the following enrollment forms.
 - VWGoA Immobilizer Service Application
 - VWGoA Network Security ID Request form
2. You must complete and submit the forms along with your business license documentation and a \$100.00 Application Fee.

Note:

Your application will be approved within 5 business days of receiving the application fee. If denied, an explanation and full refund will be provided.

For approved applications, there is an additional 72 hour processing period required to issue your workshop a Network Security ID and Password.

An approved registration is good for 18 months from the time of application.

3. Once approved you will receive 3 emails from VWGoA.Information.security@vw.com. The emails will contain the following:
 - Your VWGoA Certificate (e.g. [IndepeDeale.30001.300999.pfx](#))
 - Your Network Security User ID
 - Your Network Security Password (sent in a separate email for security reasons)

4. Install the VWGoA Certificate into your Windows Certificate Store [Step 2: Install VWGoA Certificate](#)

Step 2: Install VWGoA Certificate

What's needed?

- You must have received a certificate from Information.security@vw.com.
- You must have administrator access to your PC

How?

1.

- Open the email sent to you from Information.security@vw.com that contains the certificate file.
- The email attachment you receive will follow a naming convention that looks similar to the following: IndepeDeale.30000.60599.pfx.

2.

- Detach, copy, or move the certificate file from your email program to your Windows Desktop or a folder of your choice.
- A shortcut icon will be placed on your Windows Desktop or in the folder you created for this purpose:



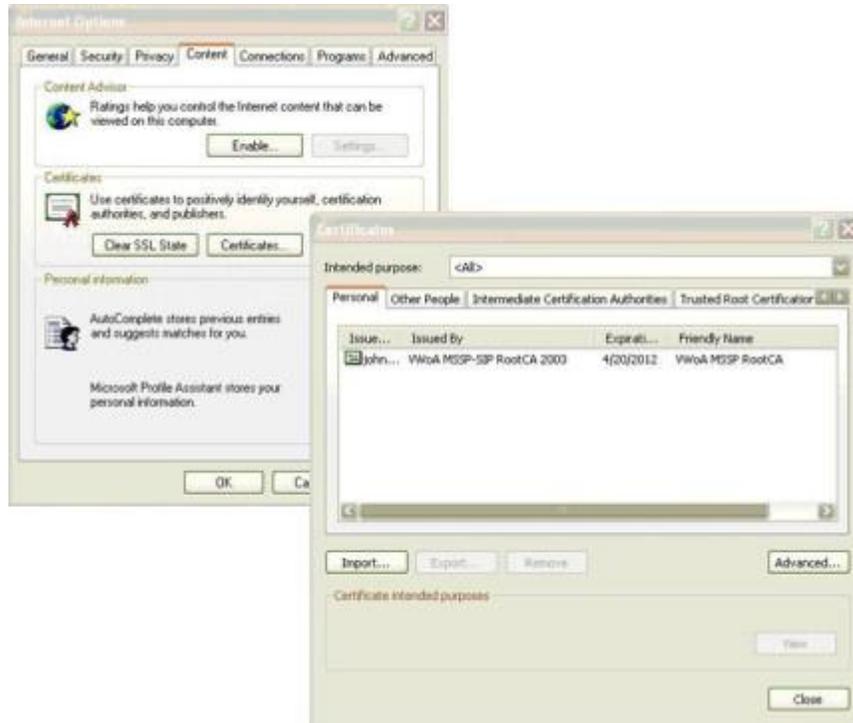
3. Double-click the certificate icon, and then follow the Certificate Import Wizard prompts.

Notes: about the Certificate Import Wizard:

- On the "File To" Import screen, click Browse to locate the certificate file on your desktop or in the folder you created.
- On the "Password" screen, leave all the fields blank, and then click Next.li>
- On the Certificate Store Screen, check the "Automatically select the certificate store based on the type of certificate"

4.

- Confirm the installation of the certificate by opening your Internet Browser, and selecting Tools --> Internet Options --> Content --> Certificates.
- You should see a VWoA certificate similar to the following:



5.

- Download the VAS for PC software from erWIN Step 4: Download VAS for PC Base Software from erWin

Step 3: Register for erWin

What's needed?

- You must have a broadband internet connection

How?

1. Logon to the erWin site branded for the type of vehicle you repair.
 - For Audi, Bentley, and/or Lamborghini, your erWIN site is:
<http://erwin.audiusa.com>
 - For VW brand vehicles, your erWIN site is:
<http://erwin.vw.com>

2. Select My erWin from the menu, and then click Registration to establish your account.

Welcome to erWin

Home About erWin Search Reprogramming My erWin

Subscriptions
Registration
Login

Home

Notice: To view erWin content your computer must be set up according to our minimum system requirements.

[Check the System Requirements now](#)

erWin contains all published service information from Volkswagen Group of America, as well as any additional information necessary to help the aftermarket service provider or VW owner to service VW vehicles.

Login

User Name:

Password:

Login

Password Forgotten?

Info

3. Complete the registration information, and then check the VWGoA terms and agreements stipulated by VWGoA and the erWIN distribution site (i.e. arvato).

General terms and conditions (GTB) for your erWin subscription

GENERAL TERMS AND CONDITIONS OF BUSINESS FOR erWIN WEBSHOP ("GTB")

LICENSEE ACCEPTS THE GTB, INCLUDING THE LIMITATION OF LIABILITY AND LIMITED WARRANTY EXPRESSLY STATED BELOW BY ACCESSING, PURCHASING, DOWNLOADING OR USING ANY ESI FROM VOLKSWAGEN GROUP OF AMERICA, INC. ("VWGOA") ON OR AFTER MAY 15, 2009.

- I accept the GTB of erWin
- I hereby understand that arvato distribution GmbH, on behalf of Volkswagen Group of America, will maintain my registration information and not share it with other Third Parties.

Register **Reset**

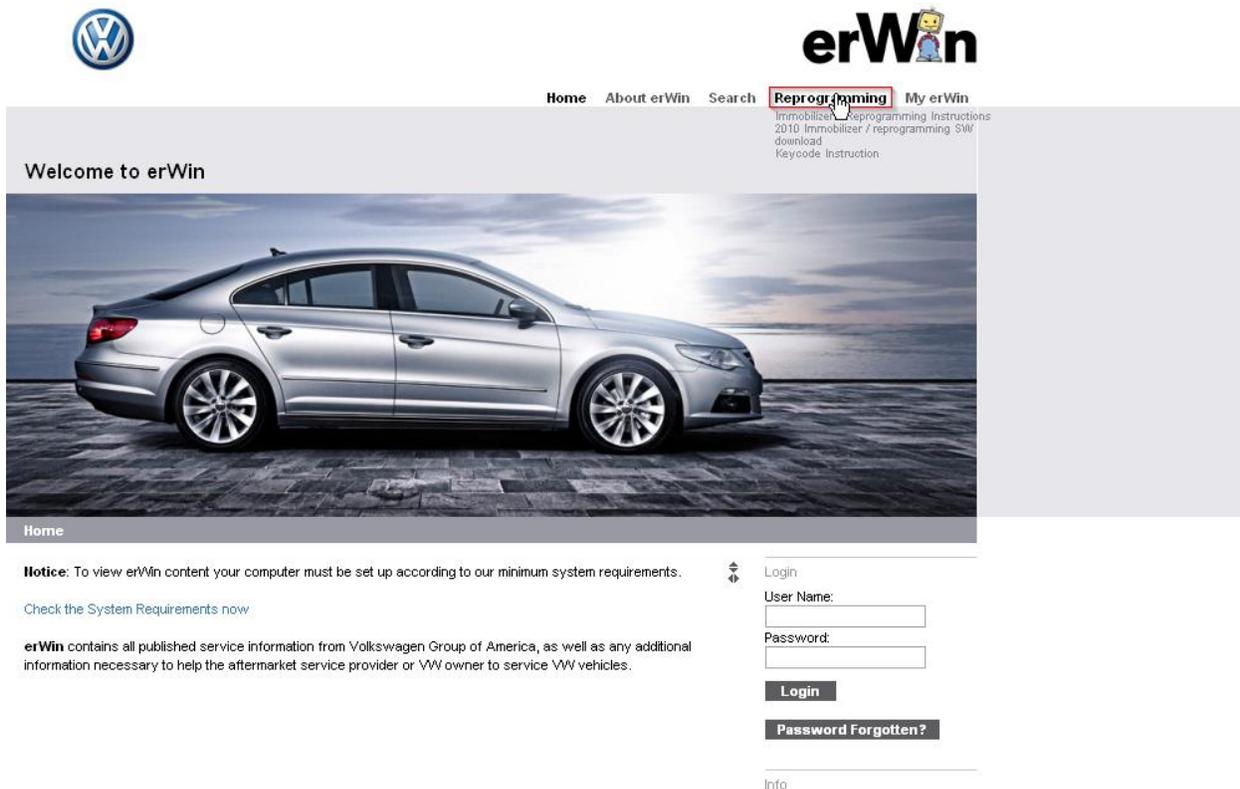
Step 4: Download VAS for PC Base Software from erWin

What's needed?

- You must have previously installed the certificate you received from Information.security@vw.com. [See Step 2.](#)
- You must have administrator access to your PC and uninterrupted broadband access to the Internet
- You must have previously installed JVM 1.4.2_15 on your PC to update your Java version, click <http://java.com> and select Free Download.

How?

1. Open the erWIN website dedicated to the brand of vehicle your workshop repairs.
 - If you repair VW cars, click <http://erwin.vw.com>
 - If you repair Audi, Bentley, or Lamborghini cars, click <http://erwin.audiusa.com>
2. Move the cursor to Reprogramming from the menu on the right-side of the page (Audi) or top of the page (VW), and then double-click the "**Immobilizer SW Download**" option:



The screenshot displays the erWin website interface. At the top left is the Volkswagen logo. The navigation menu includes "Home", "About erWin", "Search", "Reprogramming" (highlighted with a red box), and "My erWin". A dropdown menu for "Reprogramming" is visible, listing "Immobilizer / Reprogramming Instructions", "2010 Immobilizer / reprogramming SW download", and "Keycode Instruction". Below the navigation is a large image of a silver car with the text "Welcome to erWin" above it. At the bottom left, there is a notice: "Notice: To view erWin content your computer must be set up according to our minimum system requirements." with a link "Check the System Requirements now". Below the notice is a paragraph: "erWin contains all published service information from Volkswagen Group of America, as well as any additional information necessary to help the aftermarket service provider or VW owner to service VW vehicles." On the right side, there is a login form with fields for "User Name:" and "Password:", a "Login" button, and a "Password Forgotten?" link. Below the login form is an "Info" link.

- Click the latest version of VAS for PC software listed under the Base CD, click on the save symbol.

Adaptation software

Download Adaptation software

Software Download

- Base CD:** The Base CD contains the core application for all reprogramming functions. This CD is make independent.
Note: Install the Base CD before installing the Brand CD.
- Brand CD:** The Brand CD includes make specific content.

Click on the  icon to download the Base and Brand CDs. Once the download is completed, follow the installation instructions.

Base CD	
Adaptation Functions, base data V18.5	    
Show older Versions	
Brand CD	
Adaptation Functions, brand data Volkswagen version V18.5	 

- Click Save on the following screen, and create a new folder (erwin) on desktop and save all setup files in it, to avoid desktop confusion.

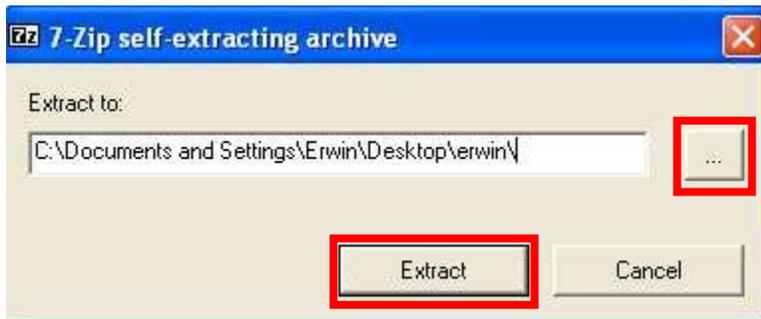




5. Locate zipped file in the folder created earlier (erwin) and double click.
6. The window below will appear, click Run.



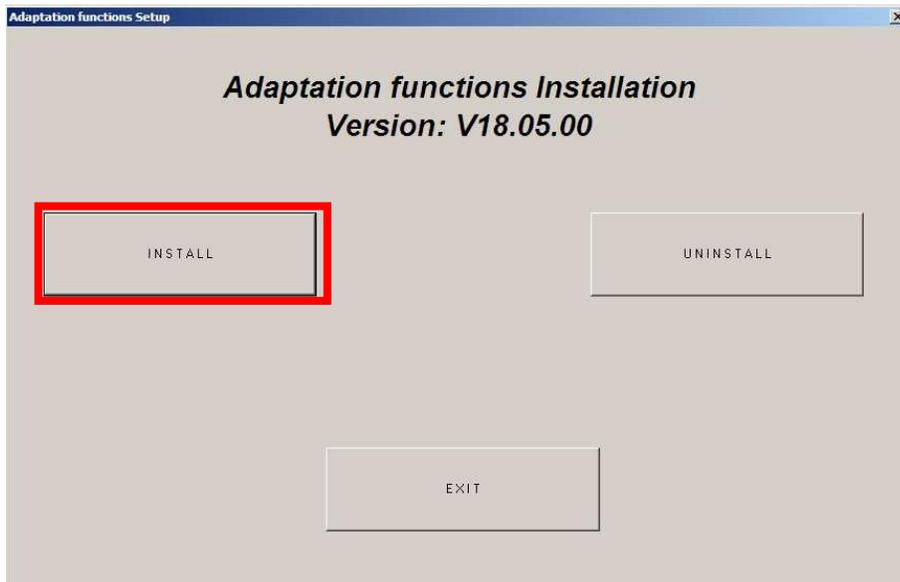
7. The message below will display, select the location (erwin folder) you want to load all files and click Extract.



8. Find the file below and double click.



9. The screen below will display, click Install.



10. Click Next, then Next, and wait until download is complete.

11. Click OK when the screen below comes up.



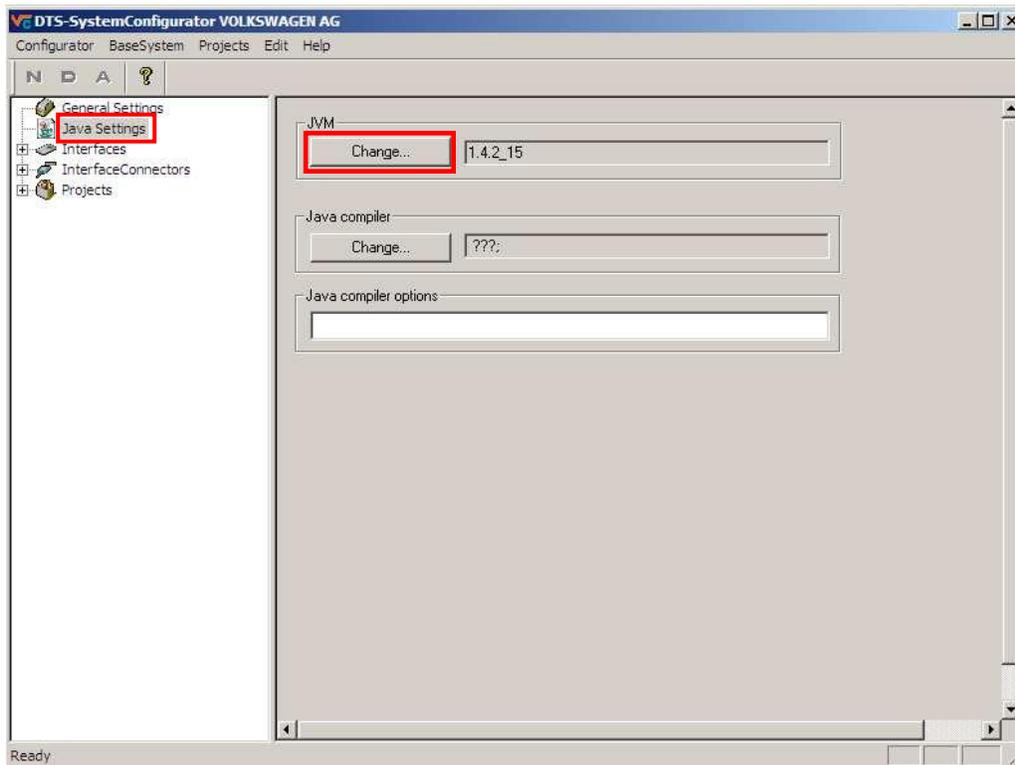
12. Screen from step 7 will display again, click Close.



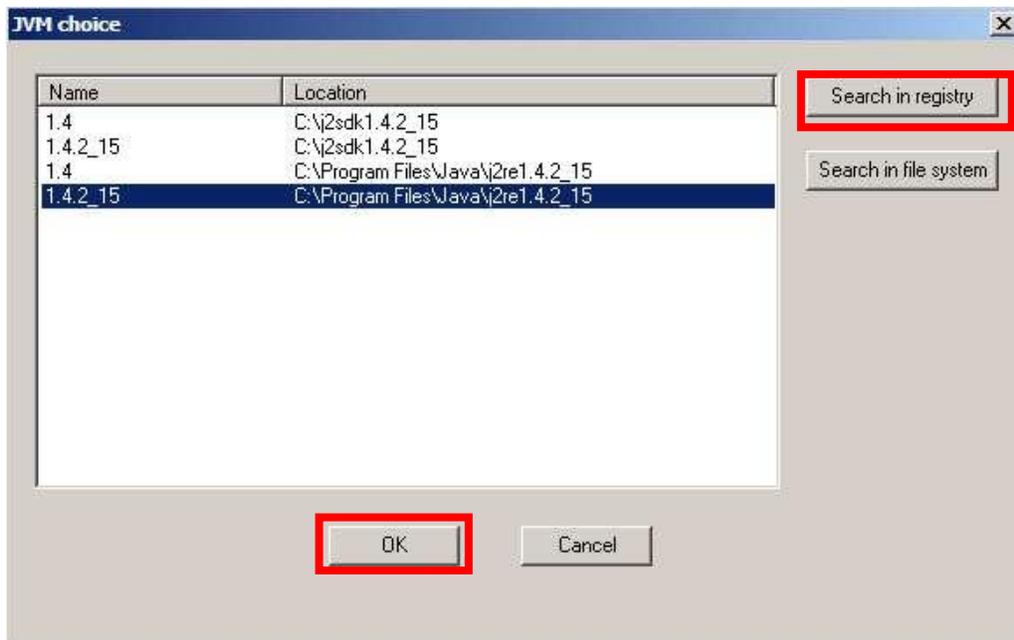
13. From Desktop, double click on the icon below.



14. The screen below will display, click on Java Settings. Click Change under JVM.



15. Click search in registry and highlight 1.4.2_15 jre , then click OK, then close and save changes.



End of Base instlation.

Step 5: Download VAS for PC Brand software from erWin

What's needed?

- You must have previously installed the certificate you received from Information.security@vw.com
[Step 2: Certificate Installation](#)
- You must have downloaded and successfully installed the VAS for PC base software [Step 4: Download VAS for PC Base Software from erWin](#)

How?

1. To install the Brand CD, open the erWIN website dedicated to the brand of vehicle your workshop repairs.
 - If you repair VW cars, click <http://erwin.vw.com>
 - If you repair Audi, Bentley, or Lamborghini cars, click <http://erwin.audiusa.com>
2. Click Reprogramming from the menu on the right-side of the page (Audi) or top of the page (VW), and then click the **"Immobilizer SW Download"** option:

Home About erWin Search **Reprogramming** My erWin

Immobilizer / Reprogramming Instructions
2010 Immobilizer / reprogramming SW
download
Keycode Instruction

Welcome to erWin

Home

Notice: To view erWin content your computer must be set up according to our minimum system requirements.
[Check the System Requirements now](#)

erWin contains all published service information from Volkswagen Group of America, as well as any additional information necessary to help the aftermarket service provider or VW owner to service VW vehicles.

Login
User Name:
Password:
Login
Password Forgotten?
Info

3. Click "Immobilizer SW Download", and then click the box next to the appropriate logo beneath the Make (Brand) CD heading.
4. Click Save when the pop-up dialog and locate and put it in (erwin) folder.

Adaptation software

Download Adaptation software

Software Download

- **Base CD:** The Base CD contains the core application for all reprogramming functions. This CD is make independent.
Note: Install the Base CD before installing the Brand CD.
- **Brand CD:** The Brand CD includes make specific content.

Click on the  icon to download the Base and Brand CDs. Once the download is completed, follow the installation instructions.

Base CD

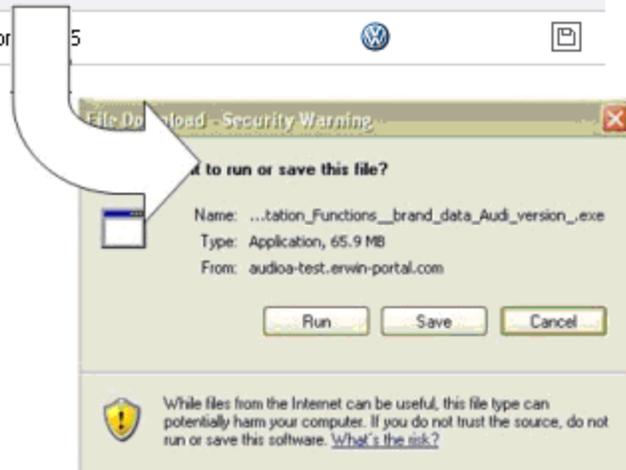
Adaptation Functions, base data V18.5



[Show older Versions](#)

Brand CD

Adaptation Functions, brand data Volkswagen version 5



Note: Repeat numbers 3 and 4 for all brands you need to download before going to number 5.

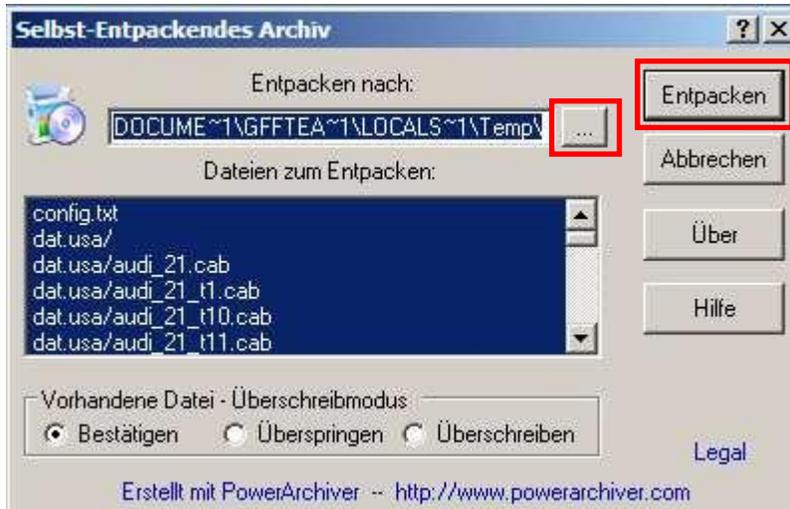
5. Extracting zipped brand files (downloaded previously 1-4) to prepare them for uploading to Adaptation Functions.

Note: Brand extracting procedure can differ between brands (i.e. VW and Audi)

For Audi

To extract brand files:

- A. Go to erwin folder and click on the zip folder (Audi). Click on The Audi brand zip file and then select Run.
- B. Locate where you want to extract files under (Entpacken nach) and select (erwin) and click OK. Then click Unzip (Entpacken) as shown below.



- C. Click Yes (Ja), when the screen below display and wait until finish, then close.



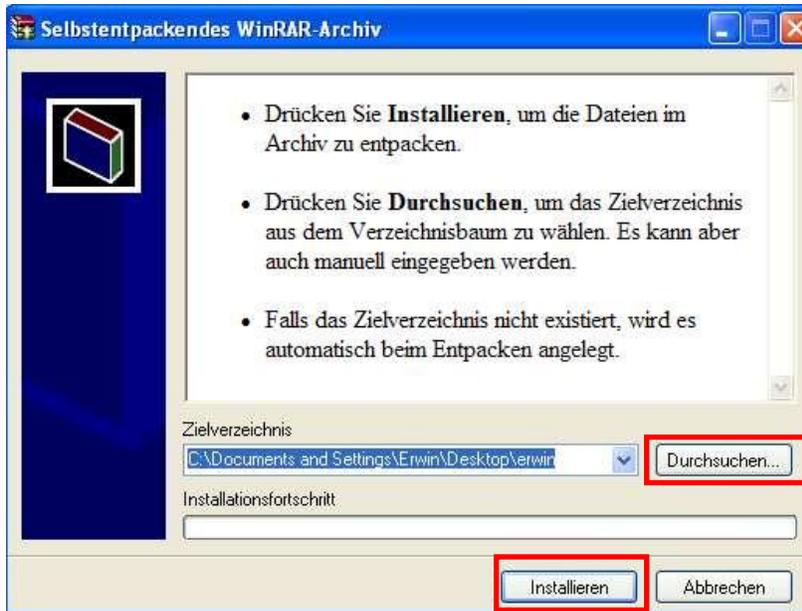
- D. Once the following screen appears, click OK. Close window when done.



For Volkswagen

To extract brand files:

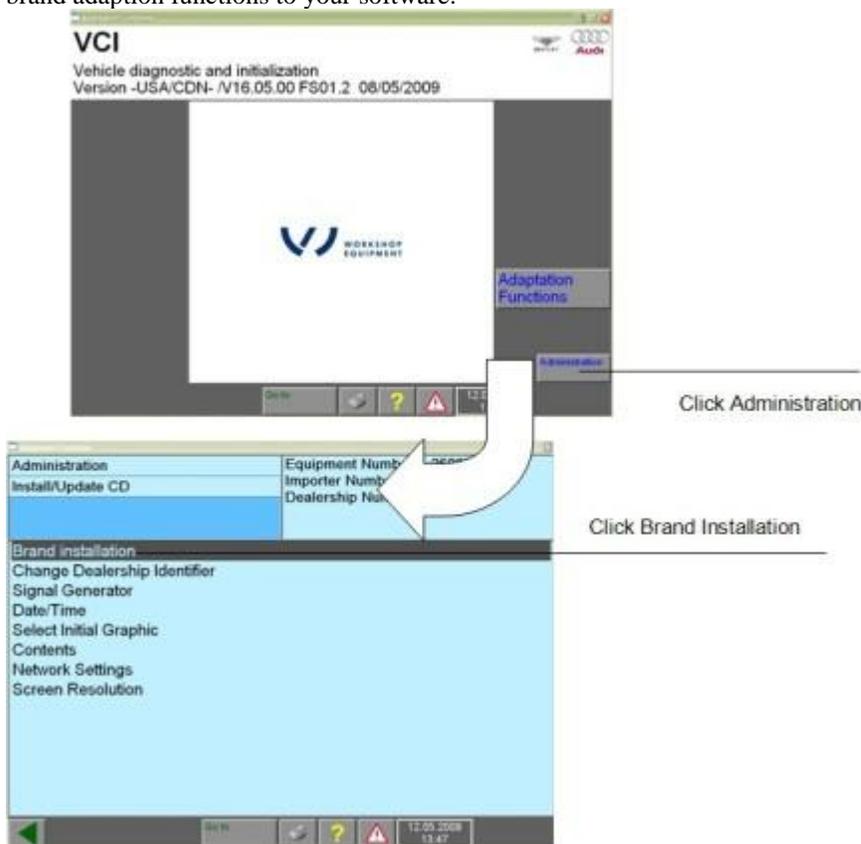
- A. Go to erwin folder and click on the zip folder for (Volkswagen) brand. Then click Run.
- B. Click on Search (Durchsuchen) and locate files to erwin, highlight erwin folder then click Install (Installieren)



- Logon to your VAS for PC software by double-clicking the shortcut labeled, "Adaption functions", and then entering your erWin User ID and Password:

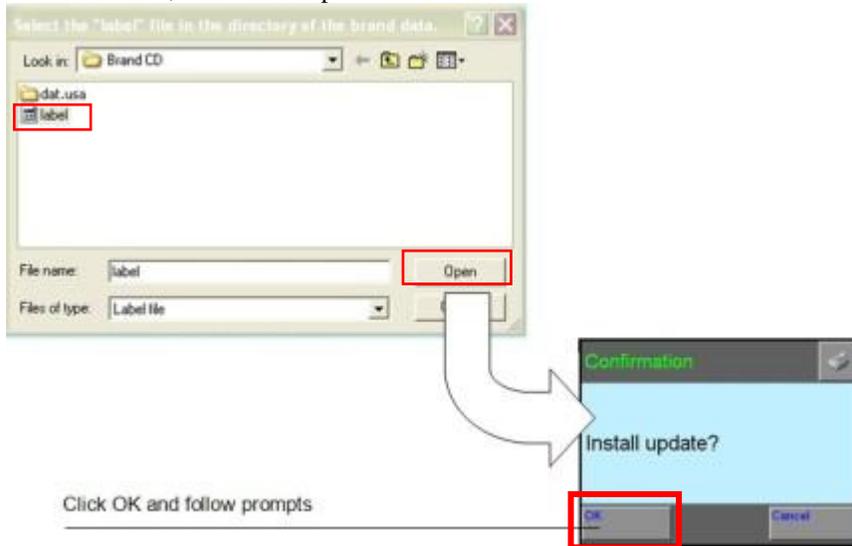


- From the VAS for PC start page, click the "Administration" button, and then select Brand Installation to add brand adaption functions to your software.



8. Locate the folder where you downloaded the brand software, and then select the file named, "label". Highlight it and click Open.

Note: For Volkswagen brand, the label file path is erwin > Volkswagen > Label.
For Audi, the label file path is erwin > Label.



9. If you're ready for immobilizer adaption, purchase a license from the erWin web site. [Step 6: Purchasing a 24 Hour Immobilizer License](#)

Step 6: Purchasing a 24 Hour Immobilizer License

What's needed?

- You must have previously installed the certificate you received from Information.security@vw.com
[Step 2: Install VWGoA Certificate](#)
- You must be a registered erWin user [Step 3: Register for erWin](#)
- You must have received an email from Information.security@vw.com containing a Network Security ID and Password
- You must have downloaded and successfully installed the VAS for PC base software [Step 4: Download VAS for PC Base Software from erWin](#)
- You must have downloaded and successfully installed the VAS for PC brand software [Step 5: Download VAS for PC Brand Software from erWin](#)

How?

1. Logon to the erWin website dedicated to the brand of vehicle your workshop repairs.
 - If you repair VW cars, click <http://erwin.vw.com>
 - If you repair Audi, Bentley, or Lamborghini cars, click <http://erwin.audiusa.com>
2. Click Reprogramming from the menu on the right-side of the page (Audi) or top of the page (VW), and then click the **"Immobilizer License Order"** option:



Adaptation software

Download Adaptation software

Software Download

- **Base CD:** The Base CD contains the core application for all reprogramming functions. This CD is make independent.
Note: Install the Base CD before installing the Brand CD.
- **Brand CD:** The Brand CD includes make specific content.

Click on the  icon to download the Base and Brand CDs. Once the download is completed, follow the installation instructions.

Base CD

Adaptation Functions, base data V18.5



[Show older Versions](#)

Brand CD

Adaptation Functions, brand data Volkswagen version V18.5



CD Version Information

The major versions of the Base and Brand CDs must match when installing an update. Verify that both CDs have the same major version.

Note: Click on 'Show Previous Versions' to display previous versions of the Base CD.

Examples

- **Incompatible Versions:**
 - Base CD V15.1

Immobilizer / Reprogramming Instructions
2010 Immobilizer / reprogramming SW
download
**2010 Immobilizer / Reprogramming license
Order**
Keycode Instruction
Keycode Adaptation

Info

Logged in as:

3. Select the duration of the VAS for PC license you want to purchase from the drop-down menu provided. At this time, the only duration available is 24 hours.



Adaptation software

Order VAS license

Note: Before purchasing a license for the immobilizer software, follow the [Step by Step Instructions](#). The license will be valid for 24h after purchase. Please make sure that all preconditions are met before purchasing the license.

Select the license period for the Adaptation software. Then click 'Submit' to continue.

VAS licence duration:

Submit

[▲ Top of Page](#)

Info

Logged in as:



Shopping Cart

Shopping Cart

In order to view documents in erWin, you need a subscription.

After your purchase you will have instant access to all content. Your subscription period begins **immediately** after completion of the purchase process.

Electronic Documents	Item Price	Quantity	Price
Volkswagen : 1 Day	\$29.95	1	\$29.95
Current credit:			\$0.00
Subtotal:			\$0.00
Debit*:			\$29.95

[Checkout](#) [Recalculate](#)

*Net order total (WAT in accordance with the legal provisions)

4. If you have a MY 2010 vehicle ready for immobilizer adaption, see [Step 7: Perform Immobilizer Adaption](#)

Step 7: Perform Immobilizer Adaption

What's needed?

- You must have previously installed the certificate you received from Information.security@vw.com [Step 2: Install VWGoA Certificate](#)
- You must be a registered erWin user [Step 3: Register for erWin](#)
- You must have received an email from Information.security@vw.com containing a Network Security ID and Password
- You have obtained a J 2534-1 Pass Thru device [Recommend Devices](#) (page 2)
- You must have downloaded and successfully installed the VAS for PC base software [Step 4: Download VAS for PC Base Software from erWin](#)
- You must have downloaded and successfully installed the VAS for PC brand software [Step 5: Download VAS for PC Brand Software from erWin](#)
- You must have a valid 24 Hour immobilizer reset license [Step 6: Purchasing a 24 Hour Immobilizer License](#)
- You must have a **MY 2010 or later vehicle** repaired and attached to the VAS for PC computer you are using.

How?

Follow the adaption immobilizer instructions described in the [VAS for PC Quick Reference document](#).

Note:

- If you need more information on how the VAS for PC software functions than what is covered in the Guided Tour document, refer to the VWGoA [VAS for PC Manual](#).