EDIABAS / INPA Installation

NOTE: NO RESPONSIBILITY IS ACCEPTED FOR ANY DAMAGE YOU DO TO YOUR CAR BY FOLLOWING THESE INSTRUCTIONS. DO SO AT YOUR OWN RISK.

I have successfully installed EDIABAS / INPA on both Windows XP Pro and Vista Business using these instructions. The weak link is always going to be the lack of a serial port on modern laptops and whether or not a USB/RS232 or PCIExpress/RS232 adapter will work properly. I opted for getting my old Thinkpad out of the loft and treating it to a new battery.

Step 1 – Prepare the laptop

First, you have to make a tiny change to the Windows environment variables. This is less scary than it sounds. INPA relies on a file called API.DLL being in a folder that is set in the Windows "path" so you need to add the EDIABAS folder to the path variable, like this:



1. Go to control panel, select Classic View and open the "System" item

2. Choose "Advanced" and then "Environment Variables"

Un	ngebungsvariabl	en 🤶 🔀		
ſ	Benutzervariablen fü	r Administrator		
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		Neu Bearbeiten Löschen		
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ſ	Systemvariablen			
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	NUMBER_OF_P			
	OS Duth	Windows_NT		
	Path -	C:(wINDOWS(system32)C:(WINDOWS)		
		Neu Bearbeiten Löschen		
		OK Abbrechen		

- 3. You'll see a system variable called "Path" double-click this
- 4. In the "Variable value:" box, add ";c:\ediabas\bin" to the end of the list of folders e.g:

%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbem;c:\ediabas\bin

Systemvariable bearbeiten				
Name der Variablen:	Path			
Week der Verisklen	an Death (Sustan 22) When you a dish a shirt			
wert der variablen:	emkooc%(SystemS2(Wben);c:(ediabas(bin)			
	OK Abbrechen			

- 5. OK OK OK until the system window and control panel are gone
- 6. **Reboot** (important so that Windows picks up the change to the path)

Step 2 – Install the software

The installation is pretty intuitive. I had some problems trying to install the entire suite of programs, but was successful when I kept the install to INPA and EDIABAS. These two allow me to do what I want to the car so I don't need the others. I also had some problems installing from hard disk (rather than CD) but only on one laptop, not the other.

1. Unzip the package, either onto laptop directly or onto CD (I used CD so I could move it on to my old XP laptop easily)

- 2. Run the **Instprog.exe** program from the INSTALL folder
- 3. OK the warning message:

Haben Sie Probleme bei der Installation?
 Bitte zuerst nachschauen unter FAQ.
Intranet : http://www5.muc/ti4-web/ti-430/german/_index4.htm Siehe unter Themen EDIABAS / INPA Disenses Hardware Interfacer
Diagnose Hardware Interfaces
ОК

4. Choose English and click continue

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5. Select the drive to install to and click continue

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6. Select configuration "BMW Group Rectification programs UK" and click continue (this selection makes INPA run in English which is kind of useful!)

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Cancel Continu	e Hard disk needed:	
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7. Select "complete" for EDIABAS and INPA and click continue (ignore WINELDI / NCS / NFS)

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Cancer			Hard disk needed	1:	
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8. Select the interface cable type (the ones on eBay are "OBD" cables)



9. Confirm that you want to start the install (if you've previously tried and failed to install, it might ask you whether to delete or rename the existing install – choose Delete)

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Installatio	n EDIABAS	5	BMW AG TI-430
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10. You should get an "installation finished" message

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11. If you didn't do the "path" setup I described in step 1, you will get another message. You HAVE to do Step 1 for it to work.

Instprog 🔀
Environment PATH
Ediabaspfad C:\EDIABAS\BIN in PATH nicht gefunden!
PATH=C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;
Bitte ergänzen Sie PATH Windows 3.x, 95, 98 in AUTOEXEC.BAT Windows NT4 in der Systemsteuerung - System - Umgebung Windows XP in der Systemsteuerung - System - Erweitert - Umgebungsvariablen OK

If you try to run it now, it still won't work because of some duff registry settings. You need one final step to get it sorted!

12. Once the install is finished, there will be a folder on your laptop called c:\ediabas\hardware\obd and inside it will be a program called OBDSetup.exe – you need to run this. You can just search for OBDSetup.exe using Windows search.



You will see this screen when you run it:

C:\EDIABAS\Hardware\OBD\OBDSetup.exe Windows 2000 Version 6.0 Build 6000 * Installing OBD driver... SubKey 'SYSTEM\CurrentControlSet\Services\Serial' allready exist * Reading values of the key ... Value Type Value Start 0k 13 Expected 1 = Expected Warning Value Start = 3 Value Group = Extended base Expected = 1 Value Group = Extended base Expected = Extended base Ok Value ErrorControl = 0 Read value 'Tag' failed ! Read value 'ForceFifoEnable' failed ! Read value 'RxFIFO' failed ! Read value 'TxFIFO' failed ! Read value 'LogFifo' failed ! Warning! Some values have no standard data - May be there are problems ! 1 Press any key to continue ...

Step 3 – Using the software

Now you can give it a try. Here's an example of checking and resetting airbag faults on my E39 5-series.

1. Hook up the cable between the serial port and the car

2. Run "INPA (_.IPO)" from Start... Programs... EDIABAS INPA ELDI NCS NFS...

3. Select car model (e.g. F5 for E39 5 series)

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BMW Group Rectification programs UK										
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Info	E85	E46	E65	E39	E52	E53	E60		End	
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4. Choose the area of the car you want to work on



5. You'll now see the specific options for the airbag. E.g. F4 to view faults, F5 to clear faults (not sure if it's actually F4 / F5 but you get the idea).