BMW DIS V57, SSS PROGMAN V32 & TIS V8

Installation Procedure



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Introduction

To successfully complete this installation you will need approximately 35 GB of free space on your hard drive.

You need to be running Windows XP, VISTA or Windows 7.

If your laptop does not have a built in serial port you will require a USB to serial adapter.



Laptop serial port

I personally use a Belkin F5U409 adapter which works flawlessly with DIS and SSS. However any good quality adapter should suffice. I do not recommend cheap adapters available on eBay as these seem to introduce connectivity and stability issues.



Belkin F5U409 adapter

You will also require an EDIABAS type interface. This is the only type of interface that will work with this software. A normal OBDII adapter, ELM 327 cable or any other cable will not work. It has to be an EDIABAS interface.



EDIABAS type interface

Connecting USB to serial adapter and EDIABAS interface

- If your laptop has a serial port then please connect your EDIABAS interface to it.
- If you are using a USB to serial adapter then connect your adapter to a USB port and then connect your EDIABAS interface to this. Always use the same USB port when connecting your interface in future as this prevents the configuration from being lost.
- We now need to ensure that the port we are using is configured to COM1. Go to the control panel and double click on the 'system' icon. Click on the 'hardware' tab and then select 'Device Manager'
- Now locate your Serial connection in the ports section of the device manager.

B Device Manager	_ 🗆 🛛
<u>File Action View Help</u>	
DVD/CD-ROM drives	^
E G Floppy disk controllers	
Eleppy disk drives	
Human Interface Devices	_
IDE ATA/ATAPI controllers	
IEEE 1394 Bus host controllers	
Imaging devices	
H- Keyboards	
Him Mice and other pointing devices	
Him Services	
	=
Contraction (COM & CPT)	
Communications Port (COM1)	
ECE Dripter Port (LDT1)	
SCSL and BAID controllers	
Social di alla gane concloners	
E System devices	
	•

- Right click on the serial port and select 'properties'
- Click on the 'port settings' tab and then click on 'advanced'.

• If not already done then configure the COM port number to COM1 and set the transmit / receive buffers to 8.

Advanced Settings for COM1	? 🗙
✓ Use FIFO buffers (requires 16550 compatible UART) Select lower settings to correct connection problems. Select higher settings for faster performance. Receive Buffer: Low (1)	OK Cancel Defaults
COM Port Number: COM1	

- Click on OK to save these settings. It is important that every time you connect your adapter you use the same port so that these settings are retained.
- Close all windows and return to the main desktop.
- Please restart the PC to confirm all changes.

Checking computer name

- We need to check that the computer name is 8 characters of less in length. If this is not the case then we need to change this as it causes an issue later on when establishing the connection with DIS.
- Go to the control panel and double click on the 'system' icon. Click on the 'Computer Name' tab and then check the current setting for 'Full computer name'.
- If it is 8 characters or less in length then we can skip the remainder of this section. Otherwise we will change the name by clicking on the change button and editing the name.

System Restore	Automa	atic Updates	Remote
General Cor	nputer Name	Hardware	Advanced
Windows use on the netwo	es the following in rk.	formation to identify	your computer
Computer <u>d</u> escription:	Dave's Compu	uter	
	For example: " Computer".	Kitchen Computer'	or ''Mary's
full computer name:	david.		
Vorkgroup:	MSHOME		
Corename this compute	er or join a domair	ı, click Change.	Change

• Edit the name and click OK

Computer Name	e Changes 🔹 🤶
You can change ti computer. Change	he name and the membership of this is may affect access to network resources.
Computer name:	
David.	
David.	<u>M</u> ore
Member of	
O <u>D</u> omain:	
Orkgroup:	
MSHOME	
	OK Cancel

• Please now restart your PC for the changes to take effect.

Winrar 3.93 Installation

• Insert disc 1 and double click on 'TOOLS' and then 'wrar393.exe'.

Alternatively download the latest version from here:

http://www.rarlab.com/rar/wrar393.exe

- Please follow the directions on screen and complete the installation of Winrar 3.93.
- Once installation is complete please restart your PC so changes can take effect.

VMWARE Workstation 6.0.3-80004 Installation

- With disc 1 still in the laptop double click on 'TOOLS' and then 'vmware-workstation-6.0.3-80004.exe'
- Please follow the directions on screen and complete the installation of VMware.
- When the application asks you to register, you can input any name / company. It doesn't matter or leave it blank.
- Use one of the provided serial numbers below:

0AEWT-K4GA5-NCP0U-4XANG D0W48-ERW2C-V9P9Y-4DGWY 1U0MM-YRP47-U75FC-46XYA UUNH8-G0FDQ-Z8Q4V-4DCXY AA9KT-9068X-N9NA9-46R6F

• Once installation is complete please restart your PC so changes can take effect.

DIS V57 & SSS V32 software install

• Insert disc 1 and copy the following files to your hard drive

BMW DIS V57 & SSS V32.part01.RAR BMW DIS V57 & SSS V32.part02.RAR BMW DIS V57 & SSS V32.part03.RAR BMW DIS V57 & SSS V32.part04.RAR BMW DIS V57 & SSS V32.part05.RAR

 Insert disc 2 and copy the following files to the same location on your hard drive

BMW DIS V57 & SSS V32.part06.RAR BMW DIS V57 & SSS V32.part07.RAR BMW DIS V57 & SSS V32.part08.RAR BMW DIS V57 & SSS V32.part09.RAR BMW DIS V57 & SSS V32.part10.RAR

 After all files are copied to your hard drive double click on 'BMW DIS V57 & SSS V32.part01.RAR'. WINRAR will now load and you should see the following:

BMW DIS V57 & SSS	V32.part01.rar - Winf	RAR (evaluation co	ру)		-	
<u>File</u> <u>C</u> ommands Too	ol <u>s</u> Fav <u>o</u> rites Optio	o <u>n</u> s <u>H</u> elp				
Add Extract To	Test View	Delete Find	Wizard Info	VirusScan Comr	ment Protect	SFX
🗈 🗎 BMW DIS V	/57 & SSS V32.part01.	rar - <mark>R</mark> AR volume (number 1), unpacked	size 28,698,720,942 b	oytes	
Name		Size	Packed Type	Mod	ified	CRC32
B			Folder			
📕 BMW SSS V32			Folder	04/11	L/2010 02:56	1.12
퉬 DIS V57 EN			Folder	24/10	0/2010 16:32	
L						

 Now click on 'extract to'. Specify the destination path to be C:\My Virtual Machines and click on OK

stination <u>p</u> ath (will be created if does not e	xist)	Display
\My Virtual Machines	•	N <u>e</u> w folder
Jpdate mode Extract and replace files Extract and update files Extract and update files Extract and update files Eresh existing files only Overwrite mode Ask before overwrite Overwrite without prompt Skip existing files Rename automatically Miscellaneous Extract archives to subfolders Keep broken files Display files in Egolorer Save settings	Local Disk (C:) Humble BMW Humble BMW95 Humble CABI Humble CABI H	E

This will take anywhere from 40 minutes to 2 hours to complete so take a break. Meanwhile the laptop will look like this.

<u>File Commands Tools Favorites Opti</u>	ons Help	
Add Extract To Test View Extract To Test View BMW DIS V57 & SSS V32.part01.	Delete Find Wizard Info VirusScan Comment Protect SFX rar - RAR volume (number 1), unpacked size 28,698,720,942 bytes	
Name	Size Packed Type Modified CRC32	
a	Folder	
	Archive D:\BMW\BMW DIS V57 & SSS V32.part01.rar extracting Windows XP Professional.vmdk 1% Blapsed time 00:00:07 Time left 01:12:31 Processed 0% Blackground Bause Cancel Mode	

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- When the 'Processed' bar reaches 100% the centre window will close automatically.
- Now double click on C:\My virtual Machines and open the folder 'DIS V57 EN'. Right click on 'Other.vmx and click on 'send to' and then desktop. This will create a shortcut to DIS V57 on the desktop.
- Now double click on C:\My virtual Machines and enter the folder 'BMW SSS V32'. Right click on 'Windows XP Professional.vmx and click on 'send to' and then desktop. This will create a shortcut to SSS V32 on the desktop.

Urganize Views 👻 👔	Open	V 🔮 BUM				w l
Favorite Links	P	lame	Date modified	Туре	Size	
Documents Pictures Music More »		vmware vmware-0 vmware-1 vmware-2 Windows XP Professio	25/11/2010 13:49 23/11/2010 14:02 05/11/2010 00:07 04/11/2010 23:48 25/11/2010 13:49	Text Document Text Document Text Document Text Document NVRAM File	40 KB 36 KB 39 KB 40 KB 9 KB	
Folders	~ 1	Windows XP Professio	03/11/2010 22:49	VMSD File	0 KB	
Base 52					2 KB	
BMW DIS V44 DVD BMW SSS V32		7-Zip		•	1 KB	
DIS V44 DIS V57 DE DIS SSS_DVD_1 Easy DIS HDPA Edibas Install Videos Miscellaneous	m	Scan MagicISO Open With Add to archive Add to archive Compress and email Compress to "Windows XI Compress to "Windows XI	Professional.rar" wws XP Professional.ra	► ar" and email		
My Virtual Machines		Send To		•	Bluetooth device	0.5.11
DIS V57 EN	-	Cut			Desktop (create sl	hortcut)
Windows XP Profess VMware Configuration	onal Da File	Create Shortcut Delete Rename			Documents Mail Recipient Skype DVD RW Drive (E:)
Contraction of the owner		Descention			ung bronn bive (c)	

• From the desktop, double click on other.vmx to load up DIS V57 VMware. Click on 'start this virtual machine'. Click on I moved it when the following window appears. DIS V57 will now load.

File cuit view vivi ream wind	ows nep			
DIS V57 English				
DIS V57 English				
State: Powered off				
Guest OS: Other				
Configuration file: C:\Users\BlackBox\Do	cuments\DIS V57 EN\Other.vmx			
Voltadori OX Vituari				
Commands	Devices			
Start this virtual machine	Memory	384 MB		
Edit virtual machine settings	Hard Disk (IDE 0:0)	18.6 GB		
🖄 Clone this virtual machine	CD-ROM (IDE 1:0)	Auto detect		
	Floppy	Using image gh.flp		
DIS VS	English - VMware Workstation	Pridaad		
	This virtual machine may have been moved or copi	ed.		
Notes	In order to configure certain management and netw	rorking features VMware Workstation		
Type here to enter notes for this virtua	needs to know which.	-		
	Did you move this virtual machine, or did you copy it?			
	If you don't know, answer "I copied it".			
	I moved it			
	I copied it			

- Repeat the above process for SSS V32 by double clicking on 'Windows XP Professional.vmx' from the desktop and following the same process. SSS V32 will now load.
- Now close both virtual machines by clicking the cross at the top of the screen and selecting power off.



• Please restart the PC so all changes can take effect.

Configuring the environment variable

• Go to 'Start' and then 'control panel' and double click on the 'system' icon. Click on the 'advanced' tab and then select 'Environment variables'. The following window will appear.

- <u>U</u> ser variables for D	David Wragg	
Variable	Value	
path	C:\Program Files\Common Files\Microsof	
TEMP	C:\Documents and Settings\David Wrag	
TMP	C:\Documents and Settings\David Wrag	
System variables –		
Variable	Value	
05	Windows NT	
Path	%CommonProgramFiles%\Microsoft Sh	
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;	
PROCESSOR_A	, x86	
PROCESSOR_ID.	x86 Family 6 Model 10 Stepping 0, Auth	▼
	Ne <u>w</u> Edit Delete	e

- You will see a system variable called 'Path'. Select this and then click on 'Edit'.
- In the "Variable value:" box, add ";c:\ediabas\bin" to the end of the list of folders - e.g.:

%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbe m;c:\ediabas\bin

Edit System Variable					
Variable <u>n</u> ame:	Path				
Variable <u>v</u> alue:	Files\HP\Digital Imaging\\bin;C:\Ediabas\Bir				
	OK Cancel				

- Click OK and OK out of all windows.
- Restart the PC for all changes to take effect.

INPA / EDIABAS software installation

- Insert disc 1 and copy the 'Ediabas-6.4.3-full' file to the hard drive.
- Once the software has finished copying, open the 'Ediabas-6.4.3-full' file and double click on the 'INSTALL' file.
- Now double click on 'Instprog.exe' to initiate the installation.

Organize 🔻 📗 Views 👻 📄 Op	en 🙆 Burn				0
avorite Links	Name	Date modified 06/08/2003 09:12 27/08/2003 13:27 18/12/2002 15:16 04/08/2003 09:10 17/05/1994 11:01 25/10/1996 16:06 20/08/2000 22:00 12/06/2000 16:50	Type Application Configuration Sett Application Configuration Sett Application Application Application Extens	Size 432 KB 2 KB 412 K8 35 KB 31 KB 1,356 KB 233 KB	

• Click OK on the warning message that appears.



• Select English and then click on continue

a M A		Version 9.0.7
	Installation EDIABAS	BMW AG TI-430
	INPA FLDI NCS NFS	27/11/2010 01:31:09
3itte auswählen:	Please select:	
Deutsch	^e English	
	Second Second	
Cancel	Continue	

• Click on continue again.

MA		Version 9.0.7
	Installation EDIABAS	BMW AG TI-430
	INPA FLDI NCS NFS	27/11/2010 01:33:18
'iewina	the reference lists	
View	Reference changes	
View	ECU to model list	
View	Version list for SGBD	
View	Version list for GRUPPE	
View	Version list for INPA	
View	Version list for C-SGBD	
	Version list for CAPD	

• Select C: from the destination drive drop down menu and click on continue.

A MA	Installation EDIABAS		Version 9.0.7
			BMW AG TI-430
	INPA ELI	DI NCS NES	27/11/2010 01:36:2
Please select the destination drive:		Installation overview Source drive: E:\REFEREN Destination drive: EDIABAS: Interface: INPA: WINELDI: NCS plant: NCS expert: NPS WINKFP: Configuration: Language:	NZVINSTALLV.
		Status	

• Select 'BMW Group Rectification programs UK' and click on continue.

m M A			Version 9.0.7
	Installatio	on EDIABAS	BMW AG TI-430
	INPA EL	DI NCS NES	27/11/2010 01:38:57
Please select the	configuration:	Installation overview	
Leo configuration 1 BeW Group Noncherleitprogra BeW Group Noncherleitprogra BeW Group Noncherleitonion progra BeW Group Pactification progra BeW Group Restitutions of the second BeW Group Restitutions of the second BeW Werk 1 Delay State BeW Werk 2 Delay Berleit BeW Werk 2 Delay Berleit BeW Werk 2 Delay Berleit Eles Statib – Enwickler Eles Statib – Enwickler Eles Statib – Enwickler	nne USA	Source drive: EXHEFEHEN Destination drive: C: EDIABAS: Interface: INPA: WINELDI: NCS plant: NCS expert: NPS WINKFP:	ιζνιΝSTALLΥ.
Cancel	Continue	Configuration: Language: Status: Hard disk needed:	

• Select complete next to each program. Should be 6 ticks in total. Then click on continue.

OM DA					Version 9.0.7
		nstallation	EDIABA	S	BMW AG TI-430
		NPA ELD	I NCS NI	25	21/11/2010 21:52:07
EDIABAS	6.4.3	Complete □ Update	Installation ov	verview	
INPA	4.4.7	Complete	Source drive: Destination drive:	E:\REFERENZ\IN C:	ISTALLA.
WINELDI	2.61	Complete □ Update	EDIABAS: Interface:	Complete	
NCS plant	3.0.5	Complete □ Update	INPA: WINELDI:	Complete Complete	
NCS expert	3.0.8	Complete □ Update	NCS plant: NCS expert:	Complete Complete	
NFS WINKFP	4.2/4.2	Complete □ Update	NPS WINKFP:	Complete	
			Configuration:	BMW Group Rect English metric	ification programs UK
Cancel		Continue	Status:	User Runtime package	

• Select the interface type 'OBD (on board diagnostic plug)'. The type we are using is an OBD cable. Then click on continue.

MA			Version 9.0.7
Installatio	n EDIABA	S	BMW AG TI-430
INPA ELI	DI NCS NI	2.7	27/11/2010 01:45:48
Plassa coloct the interface	Installation ov	verview	
 OBD (on board diagnostic plug) 	Source drive:	E:\REFERENZ\	INSTALLA.
ADS (active diagnostic plug)	Destination drive:	C:	
C FLINK	EDIABAS: Interface:	STD:0BD	
- FDIC	INPA:	Complete	
	WINELDI:	Complete	
EDICC (CAN - Bus)	NCS plant	Complete	
	NPS WINKFP:	Complete	
	Configuration:	BMW Group Re	ctification programs UK
	 Language: 	English metric	
	Status:	User Runtime packag	
Lancel	Hard disk needed	hunume packay	e

• Click on continue to start the installation.

	on EDIABA DI NCS NI	S FS	Ve BM 27.	rsion 9.0.7 IW AG TI-430 /11/2010 01:48:54	
		Installation o	verview		
Starting	the	Source drive: Destination drive:	E:\REFERI	ENZVINSTALL	<u>V.</u>
ordining	ano	EDIABAS:	Complete	Old version:	Delete
installation?		Interface:	STD:0BD		Delata
motanat	OIT:	WINELDI-	Complete	Old version:	Delete
		NCS plant	Complete	Old version:	Delete
		NCS expert	Complete	Old version:	Delete
		NPS WINKFP:	Complete	Old version:	Delete
		Configuration:	BMW Grou	p Rectification	programs UK
		— Language:	English mel	tric	
· · · · · · · · · · · · · · · · · · ·		Status:	User		
Cancel	Continue	Hard disk needed	Runtime pa t: ok	ackage	

• The software will now install. Click on 'End' when the below window appears to complete the installation of INAP / EDIABAS.

O MA	0.00000000000	- Charles and Charles	~	Version 9.0.7
	Installation EDIABAS			
\mathbf{v}	INPA EL	DI NCS NI	TS	18/06/2008 16:11:54
		Installation ove	erview	
Inst fin	allation ished.	Source drive: Destination drive: EDIABAS: Interface: INPA: WINELDI: NCS expert: NCS expert: NPS WINKFP:	C:\USERSUAMI C: Complete OI STD:OBD Complete OI	ESIDESKTOP/BMWINSTALLI. d version: Delete d version: Delete
Cancel	End	Configuration: Language: Status:	BMW Group Re English metric User Runtime packag	ctification programs UK

• Close all windows and restart the PC.

Install and configure Diaghead Emulator

- Insert Disc 1 and double click on the file named 'BMW Diaghead'. Then double click on 'DiagHeadInstall.msi'.
- Please follow the on screen instructions to complete the installation of Diaghead Emulator.
- Please restart you machine.
- When you PC reboots double click on the 'Diaghead' icon to start the emulator program.



 When the program starts click on the 'options' tab and then move the slider to set the signal quality to 100%. Select the left hand 'head type'. Then click on OK.



• Close Diaghead. Diaghead is now setup and configured correctly.

Configure the EDIABAS.INI file

• Open your hard disc and then double click on 'Ediabas'. Then double click on the 'Bin' folder. Finally double click on 'EDIABAS.INI'.

🖌 Organize 👻 📗 Views 👻	📃 Оре	en 🔻 🚔 Print 🔞 Bu	im	_		(
avorite Links		Name	Date modified	Туре	Size	
Documents Pictures		Canrttp.dll	07/11/2002 07:17 19/11/2002 15:38	Application Extens Configuration Sett	579 KB 6 KB	
Music More »		Canrttp2.dll	07/11/2002 07:17 07/11/2002 07:17 28/04/1993 00:00	Application Extens VBX File	436 KB 19 KB	
olders Local Disk (C:)	*	 Ebas32.dll Ebas32 EbasX32 	05/12/2002 11:22 04/12/2002 10:46 04/12/2002 10:50	Application Extens Application Application	312 KB 200 KB 140 KB	
BMW95 CABI Downloads drivers EDIABAS Api Bin Doku Ecu	E	 EDIABAS EdiabasW Edic32.dll EDICFW Edicx32 EMEDIT.VBX ETEST32 ETESTER F37378C8 FUNK DU 	20/09/2010 10:34 05/12/2002 11:22 11/01/2002 08:41 07/08/2010 23:10 11/01/2002 08:41 05/01/1995 00:06 22/01/1997 12:02 06/09/1995 11:40 06/12/2002 16:23	Configuration Sett Application Application Extens Configuration Sett Application VBX File Application Application File	13 KB 233 KB 316 KB 1 KB 152 KB 173 KB 250 KB 114 KB 1 KB	
I Hardware	-	FUNK FUNK	22/03/2002 13:35 22/07/2003 06:43 22/04/2003 13:43	Configuration Extens Application Sett	40 KB 3 KB 128 KB	

• A notepad file will open. Scroll down as per the screenshot below and change the IP address to '192.168.68.1' and the port to '6801'

ne cuit Format view Help		
Unterstuetzung : WIN9 WIN9 WIN N	i,98 16-611: Ja 198 32-815: Ja 174.0, XP : Ja	
Sonderfall : Inter Ansprechpart.: Hr. F Telefon : 089 / email : Micha	Face Opp5 - 28 Vowedder 1 827-29159 81, Rowedder@hmw, de	
NetworkProtocol Description : Default =	Network protocol	
etworkProtocol = TCP		
TCP/IP Configuration		
ice]		
RemoteHost		
Description : Default =	server address/name	
emoteHost =	92.168.68.1	
Port Description : Value	IP communication port 1000 < port < 30000	
ort = (3801	
TimeoutConnect		
Description : Default = imeoutConnect = 2	Timeout for establishing the connection 5000 2000	
TimeoutReceive		
Description : Default = imeoutReceive = 2	Timeout for receiving a message 5000 000	
TimeoutFunction	Timout for a large function	
Default = imeoutFunction = 1	Second of a rong function \$9000	
DisconnectOnApiEnd		

• Also check that the interface is configured to STD:OBD. If it isn't then change it to STD:OBD.

EDIABAS - Notepad	
ile <u>E</u> dit F <u>o</u> rmat <u>V</u> i	ew <u>H</u> elp
Simulation Descript Value Default imulation	ion : Enable/Disable ECU simulation : 0 = Simulation disabled 1 = Simulation enabled = 0 = 0
Interface Descript Default nterface	ion : Connected diagnosis interface = EDIC ==STD:08D
Additional info	ormation (in German) : : Der HW-Treiber fuer das Interface muss installiert sein!
Interface Beschreibung Installation INI-Datei Unterstuetzung	<pre>= STD:OBD : Serieller Pegelwandler (Nachfolger von ADS / Anschluss an OBD-Dose) : \EDIABAS\HARDWARE\OBD\ODBSETUP (nur noetig fuer WIN NT4, WIN 2000, WIN XP) : OBD.ini nur benutzt wenn im Windows-Verzeichnis WIN3.XX : Nein WIN59.98 16-Bit : Ja WIN95.98 32-Bit : Ja WIN NT 4.0 : Ja WIN YF : Ja</pre>
Interface Beschreibung Installation INI-Datei Unterstuetzung	= STD:FUNK : Funk-blagnose Interface MDA von Fa. Siemens : keine : FUNK.INT : WIN95,98 16-Bit : Ja WIN5,98 32-Bit : Ja WIN NT 4.0 : Ja WIN XP : Ja
Interface Beschreibung Installation INI-Datei Unterstuetzung	= ADS : Serialler Pegelwandler (Anschluss an Diagnose-Dose) : LopiasaS\HARDWARE\ADS\ADS32\ADSSETUP (nur fuer winNT4 noetig) : WIN95,98 16-Bit : Ja WIN95,98 32-Bit : Nein WIN NT 4.0 : Ja WIN Y 2.3
Interface Beschreibung Installation INI-Datei Unterstuetzung	<pre>= KBUS : Serieller Pegelwandler (Anschluss direkt an K-Bus oder I-Bus) : \EDIABAS\HARDWARE\ADS\ADS32\ADSSETUP (nur fuer winNT4 noetig) : keine : WIN95,98 16-Bit : Ja WIN95,98 32-Bit : Nein WIN NT 4.0 WIN XP : Ja</pre>

• Now click the 'file' menu and select 'save' from the menu

New	Ctrl+N		
Open	Ctrl+O	Enable/Disable ECU simulation	
Save	Ctrl+S	0 = Simulation disabled 1 = Simulation enabled	
Save As		0	
Page Setup			
Print	Ctrl+P	connected diagnosis interface	
Exit		EDIC	
dditional	informatic iten: Der H	on (in German) : HW-Treiber fuer das Interface muss installiert sein!	
nterface	- 570	1020	
eschreibun	ng : Seri	ieller Pegelwandler (Nachfolger von ADS / Anschluss an OBD-Dose)	
NT-Datei	0n : \EDI : 0BD.	IABAS\HARDWARE\OBD\ODBSETUP (nur noetig tuer WIN NT4, WIN 2000, WIN XP) .ini nur benutzt wenn im windows-verzeichnis	
Interstuetz	ung : WIN3	3.xx : Nein	
	WINS	95,98 10-BTT : JA 95,98 20-BTT : JA	
	WIN	NT 4.0 : Ja	
	WIN	XP : Ja	
nterface	= STD:	FUNK	
eschreibun	ig : Funk	k-Diagnose Interface MDA von Fa. Siemens	
NI-Datei	EUNK	ne K.INI	
Interstuetz	ung : WIN9	95,98 16-Bit : Ja	
	WINS	95,98 32-B1t : Ja	
	WIN	XP : Ja	
nterface	= ADS		
eschreibun	ng : Seri	ieller Pegelwandler (Anschluss an Diagnose-Dose)	
NT-Datei	on : \EDI	IABAS\HARDWARE\ADS\ADS\2\ADSSETUP (nur fuer WinNT4 noetig) ne	
Interstuetz	ung : WIN9	95,98 16-Bit : Ja	
	WINS	95,98 32-Bit : Nein	
	WIN	XP : Ja	
nterface	= KBUS		
eschreibun	ng : Seri	ieller Pegelwandler (Anschluss direkt an K-Bus oder I-Bus)	
Installatio	n : \EDI	IABAS\HARDWARE\ADS\ADS32\ADSSETUP (nur fuer WinNT4 noetig)	
Interstuetz	ung : WIN9	95,98 16-Bit : Ja	
	WINS	95_98_32-Bit : Nein	
	WIN	NI 4.0 . Ja XP : Ja	

• This now completes the configuration of the EDIABAS.INI file.

____X

Insert OBD.INI file

 Insert Disc 1 and double click on the 'OBD.INI File' file. Now copy the 'OBD.INI' file and place it on the desktop. Now right click on the OBD.INI' file and select copy.



• We now need to paste this file into 2 locations. The first location is C:\EDIABAS\BIN. We do this by navigating to the file location and then right clicking and selecting 'paste'.

Favorite Links	Name	Date modified	Туре	Size
Documents Pictures Music More > Folders	KvpCo MSFLXGRD.OCX MetPro32.dll NetTCP32.dll NMSIfh32.dll OBD.DLL	09/07/2003 06:22 21/05/2000 22:00 10/07/2002 12:47 10/07/2002 12:47 17/01/2003 16:17 19/07/2001 12:20	Application ActiveX Control Application Extens Application Extens Application Extens	32 KB 239 KB 56 KB 64 KB 80 KB 11 KB
Local Disk (C:) BMW BMW95 CABI Downloads CABI EDIABAS EDIABAS Bin Doku ECU Bin Doku Ecu Hardware	OBD OBD OBD32.dll OSS_M4PC_NS_010911 OSS_MostPacket_146.dll OSS_OptMhost_NS_01 OSS_Sci2.dll PE GREGSVR32 REGSVR32 REGSVR32 ReGSVR32 Richtx32.ocx Run16 Run1632	08/09/2010 17:32 31/03/2003 10:50 08/01/2002 01:00 08/01/2002 01:00 08/01/2002 01:00 08/01/2002 0 05/12/2002 1 09/04/2003 1 23/04/1998 2 11/12/2002 1 04/12/2002 1 04/12/2002 1	Configuration Sett Application Extens Application Extens Application Extens Yiew Sort By Group By Stack By Refresh Customize This Folder	1 KB 68 KB 88 KB 56 KB 76 KB
HELP	Teof	05/12/2002 1	Paste	
111 items		6	Paste Shortcut Undo Copy Groove Folder Synchroni	Ctrl+Z zation

• We will now repeat the above process. This time we are pasting the file into the C:\Windows file.

Organize 👻 🏢 Views 💌 🔇	👂 Burn 🛛 🚮 Compatibility Files				
orite Links	Name	Date modified	Туре	Size	7 6 5
0	msxml4-KB954430-enu	30/04/2010 20:09	Text Document	283 KB	Star Local
Jocuments	msxml4-KB973688-enu	30/04/2010 20:09	Text Document	300 KB	
lictures	notepad	21/01/2008 02:23	Application	148 KB	-5°
Music	CO2SETUP	14/01/2009 11:54	Windows Comma	1 KB	Rugeley, GBR
More »	OBD	08/09/2010 17:32	Configuration Sett	1 KB	View
ers	V DBC	18/10/2010 20:56	Configuration Sett	1 KB	Seet Du
MSOCasha	ODBCINST	07/04/2010 19:47	Configuration Sett	2 KB	Soft By
Multicature Machines	pagebreeze	08/02/2010 01:03	Configuration Sett	1 KB	Group By
Mullionks	PFRO	26/11/2010 00:39	Text Document	52 KB	Stack By
NCSEVDED	primopdf	06/02/2010 10:36	Configuration Sett	1 KB	Refresh
INCOLAFER	Product	29/09/2005 07:26	Icon	9 KB	Deste
Dorfl ogr	🏦 regedit	21/01/2008 02:24	Application	132 KB	Paste
Drogram Filor	@ Report	13/10/2008 07:50	HTML Document	42 KB	Paste Shortcut
ProgramData	RtHDVCpl	17/04/2008 02:50	Application	5,968 KB	Undo Copy Ctrl+Z
auiz	E RtIExUpd.dll	05/03/2008 09:07	Application Extens	508 KB	Groove Folder Synchronization
Tamp	RtiUpd	02/04/2008 00:27	Application	1,168 KB	New
lleare	SetDisplayResolution	24/07/2008 03:28	Application	300 KB	, item
WCH CN	SetDisplayResolution	24/05/2009 12:35	Text Document	90 KB	Properties
Mindows	SetDisplayResolutionDT	28/05/2008 04:51	XML Document	4 KB	and the second s
Windows	SetDisnlavResolutionNP	28/05/2008 04:51	XMI Document	4 KB	T CONTRACTOR AND ADDRESS OF

• This completes the configuration of the OBD.INI file.

Run and configure OBDsetup.exe

• Open the hard drive and then double click on the 'EDIABAS' file followed by the 'Hardware' file and then the 'OBD' file. You should see the below screen.

🖌 Organize 🔻 🏢 Views 👻 🌽 O	pen with Adobe Acrobat >	🗧 🛨 🚔 Print 🕚 Burn			0
avorite Links	Name	Date modified	Туре	Size	
Documents	DBD_DOKU	25/07/2003 12:18	Adobe Acrobat D	224 KB	
Pictures	• OBDSetup	31/03/2003 13:20	Application	36 KB	
Music					
More »					
olders 🗸 🗸					
EDIABAS					
🍶 Api					
bin Dalwa	1				
Ecu E	-				
Jardware					
Jada Adda					
L CAN					
EDIC					
FUNK					
MOST					
J OBD					

- Double click on the 'OBDSetup.exe' file.
- If you get the below output then you can press any key and skip the remainder of this section as the setup is now complete.

l 6002 Set\Servio	ces\Serial' allready	exist	•	
et\Servi	ces\Serial' allready	exist	•	
et\Servi	ces\Serial' allready	exist	1	
led base	Expected = 1 Expected = 1 Expected = Extended Expected = 0	base	Ok Ok Ok Ok	
	Expected = 1 Expected = 1 Expected = 8		Ök Ok Ok	
	Expected = 8 Expected = 0 Expected = 0		0k 0k 0k	
	ed base	Expected = 1 Expected = 1 ed base Expected = Extended Expected = 0 Expected = 1 Expected = 1 Expected = 8 Expected = 8 Expected = 0 Expected = 0	Expected = 1 Expected = 1 Expected = Extended base Expected = 0 Expected = 1 Expected = 1 Expected = 8 Expected = 8 Expected = 0 Expected = 0 Expected = 0	Expected = 1 0k Expected = 1 0k Expected = Extended base 0k Expected = 0 0k Expected = 1 0k Expected = 1 0k Expected = 8 0k Expected = 8 0k Expected = 8 0k Expected = 9 0k Expected = 9 0k

• If you get the below output or similar then we need to do some work to the registry to ensure the serial port is configured correctly.



- Insert disc 1 and double click on the 'Serial Port Configuration' file. The double click on 'serial setup.reg'
- Click on yes when the below warning appears.



• You will then receive the below confirmation.



• Now run 'OBDsetup.exe' again. You should now receive the below output.

Installing OBD driver SubKey 'SYSTEM\CurrentControlSet\Services\Serial' al Reading values of the key Value Type = 1 Expected = 1 Value Start = 1 Expected = 1 Value Group = Extended base Expected = E	llready exist	1
CubKey 'SYSTEM\CurrentControlSet\Services\Serial' al Ceading values of the key Calue Type = 1 Expected = 1 alue Start = 1 Expected = 1 alue Group = Extended base Expected = E	llready exist	1
Reading values of the key alue Type = 1 Expected = 1 alue Start = 1 Expected = 1 alue Group = Extended base Expected = E		
alue Type = 1 Expected = 1 alue Start = 1 Expected = 1 alue Group = Extended base Expected = E		
alue Start = 1 Expected = 1 alue Group = Extended base Expected = E	1	0k
alue Group = Extended base Expected = E	1 ar ar ar ar	0k
	Extended base	0k
alue ErrorControl = 0 Expected = 0	4	0k
alue Tag = 1 Expected = 1	1	Ok
alue ForceFifoEnable = 1 Expected = 1	1	0k
alue KXFIFU = 8 Expected = 8	6 0	UK OL
alue IXFIFU = o Expected = o	0 74	OK OL
alue rermitionare -0 Expected -0	6) (A	0K 0L
Value PermitShare = 0 Expected = 0 Value LogFifo = 0 Expected = 0 All done.	0	0k 0k

• This section is now complete and OBD is setup correctly.

INPA test

At this point we will test INPA and ensure we can make a successful connection to the car. If INPA does not work or a successful connection cannot be established then you need to go back through this document and check all settings meticulously. There is no point proceeding any further as neither DIS nor SSS will work if we do not have INPA functioning correctly.

• Connect your interface cable to the diagnostic port under your vehicles dashboard and to your computer. Ensure you are connected and configured to COM1 as per details on pages 4 / 5 of this manual.



• Start INPA(_.IPO) from the start menu

• INPA will come up as below. With the lead connected and the ignition on both indicators should turn black.

INPA - Loader: BMW Group Rectified About BMW Group	up Rectifi	ⁿ cation p	rogram	s UK		
° Batter	y: 🌒	on		Ign	ition :	on
< F1 > Info < F2 > E85	mation			<shift> <shift></shift></shift>	> + < F1 > Cha > + < F2 > E83	nge Editor
< F3 > E46 < F4 > E65				<shift></shift>	> + < F3 > Mini > + < F4 > Roll	i R50 s Royce RR1
< F5 > E39 < F6 > E52 < F7 > E53				<shift <shift <shift< td=""><td>>+<f5>Old >+<f6>Eng >+<f7>Trar</f7></f6></f5></td><td>modells ine nsmission</td></shift<></shift </shift 	>+ <f5>Old >+<f6>Eng >+<f7>Trar</f7></f6></f5>	modells ine nsmission
< F8 > E60				<shift></shift>	> + < F8 > Spe	cial tests
< F10> End				<shift< td=""><td>> + < F10> Exit</td><td>t</td></shift<>	> + < F10> Exit	t
RUNNING	F3	F4	Select F5	t menu F6	F7	Disconnected from 02wireless279F1E (02wireless279F1E)
Info E85	E46	E65	E39	E52	E53	E60 End

• Select your model by pressing the relevant 'F' key. In my case 'F3' as I have an E46. The below menu should be displayed where a module can be chosen to access. I have selected the engine DME module for my engine which is the M54 6 cylinder 330i petrol engine.

0	Battery :	on	Ignition :	on	
	< F1 > Information < F2 > E85 < F3 > E46 < F4 > E65 < F5 > E39 < F6 > E52 < F7 > E53 < F8 > E60	Script selection (TAB> to change I Select E46 V1.25 First Transmission Chassis Body Communication systems	stbox <esc> to abort) DDE 2.2 for H81 DDE 3.8 for H87 DDE 5.4 for H87 DDE 5.4 for H87 DDE 5.4 for H87 new DDE 5.4 for H87 new DDE 5.5 for H87 new DBE 5.4 for H87 new DBE 5.4 for H87 new DBE 5.4 for H87 new BNS 46 for H83 HE 9.2 fH81 H82 HS 2.4 For H82 new HS 4.0 for H52 new HS 45.0 for H56 HS S54 for S54 H3 Fuel pump EKP</esc>	ditor ce RR1 ls sion sts	
	< F10> End		<shift> + < F10> Exit</shift>		

• INPA now runs. The window displayed below is the analogue values display.



• As stated at the start of this section, if INPA does not run you need to go back over this manual and diagnose and rectify any issues with your setup as neither DIS nor SSS will run unless INPA is running correctly.

Configure VMware network settings

Now that INPA is working we can configure VMware to work with the same interface.

• Start manage virtual networks from the start menu



• Click on the 'Automatic Bridging' tab and ensure that 'automatically choose an available physical network adapter to bridge to VMnet0' is ticked.

	s a linear made reaction righting linear made right of linear
Use this page to c	control the automatic bridging of VMnet0 to the first available physical Ether
Automatic bridging	ia.
Automatically choose	e an available physical network adapter to bridge to VMnet0
Excluded adapters	
Do not attempt to autom	natically bridge to the following adapters:
	Add

• Click on the 'Host Virtual Adapters' tab and click on 'VMware Network Adapter VMnet8'. Click on disable and then click on remove. The host virtual adapter's window should appear as below when this is complete.

Network Adapter	Virtual Network	Status	
Local Area Connection 2	 VMnet1	Enabled	

• Click on the 'Host Virtual Network Mapping' tab and click on the [>] icon next to VMnet1 and then click on subnet.

Configure the IP Address to 192.168.68.0 and the Subnet Mask to 255.255.0 and click on OK.

adapte	ers as well as change their settings.		2	
VMnet0:	Bridged to an automatically chosen adapter	• >	A DE DESERVE	
VMnet <u>1</u> :	Docal Area Connection 2	• >	Subnet	
VMnet <u>2</u> :	Not bridged	• >	IP Address:	192 . 168 . 68 .
VMnet <u>3</u> :	Not bridged	• >	Subpet Mask	255 255 255
VMnet <u>4</u> :	Not bridged	• >	Subher Mask.	200 . 200 . 200 .
VMnet <u>5</u> :	Not bridged	• >		OK Cano
VMnet <u>6</u> :	Not bridged	• >		Second Landson Statistics
VMnet <u>7</u> :	Not bridged	• >		
VMnet <u>8</u> :	Not bridged			
VMnet9	Not bridged			

• Click on the 'Host Virtual Network Mapping' tab and click on the [>] icon next to VMnet1 and then click on DHCP.

Configure the start IP address to 192.168.68.1 and the end IP address to 192.168.68.254 and click on OK.

Use th	nis page to associate individual virtual networks to specific physical and virtual network	VMnet host:	VMnet1	w	
uuupti		Subnet:	192 .	168 . 68 . 0	
'Mnet <u>0</u> :	Bridged to an automatically chosen adapter	Netmask:	255	255 255 0	
Mnet <u>1</u> :	Local Area Connection 2			100 00 1	
'Mnet <u>2</u> :	Not bridged >	Start IP address:	192	168 . 68 . 1	
'Mnet <u>3</u> :	Not bridged	End IP address:	192 .	168 . 68 . 254	
'Mnet <u>4</u> :	Not bridged	Broadcast address:	192 .	168 . 68 . 255	
'Mnet <u>5</u> :	Not bridged		,		
'Mnet <u>6</u> :	Not bridged	Lease duration for DHC	P clients	Heren	
'Mnet <u>7</u> :	Not bridged	Default lease time			
'Mnet <u>8</u> :	Not bridged	Derdak ledae time.	° •		
'Mnet <u>9</u> :	Not bridged >	Max lease time:	0 🗄	2 🕂	É 이

- Click on 'Apply' to confirm the settings so far.
- Click on the 'DHCP' tab. Click on 'VMnet8' and click on 'stop' and then 'remove'.

Click on VMnet1 and click on 'Restart'. Then click 'Apply'. The DHCP tab should appear as below:

	Use this page networks as t	e to configure the Dyr well as control the DH	namic Host Configurati HCP service.	ion Protocol settings for	individual vi
	Virtual Network	Subnet	Netmask	Description	
	VMnet1	192.168.68.0	255.255.255.0	vmnet1	
			<u>A</u> dd	<u>R</u> emove	Propertie
L	DHCP serviceService status:	Started	<u>A</u> dd	<u>R</u> emove	Propertie Start
L	DHCP service Service status: Service request:	Started	Add	Remove	Propertie Start Stop

• Click on the 'NAT' tab and select 'Disable' from the 'VMnet host' drop down menu. Also click on 'Stop' if the NAT service status is till showing as 'started. The NAT tab should appear as below:

and start the	NAT service	and configure a	variety of settin	ngs for the NAT device	e.	00
VAT						
<u>V</u> Mnet host:		Disable 💌]			
<u>G</u> ateway IP addres	s:	Uisable VMnet0	10 II.			
		VMnet1 VMnet2		_		
ivet <u>m</u> ask:		VMnet3 VMnet4	17 - 72 -			
		VMnet5				
		VMnet7			<u>E</u> dit	1
1AT		VMnet8 VMnet9			10	
Service status:	Stopped			- i	Start	
Service request:					Stop	
bervice request.						

 Click on 'Apply' to save the settings. The 'Summary' tab should appear as below:

Virtual Network Summary Subnet DHCP VMnet0 (Bridged) Bridged to an automatically chosen ad 255.255.255.2 VMnet1 (Host-only) A private network shared with the host 192.168.68.0 Enabled VMnet8 A private virtual network 192.168.154.0 Image: Comparison of the state of t				
WMnet0 (Bridged) Bridged to an automatically chosen ad 255.255.255.2 WMnet1 (Host-only) A private network shared with the host 192.168.68.0 Enabled WMnet8 A private virtual network 192.168.154.0 Image: Comparison of the state of the st	Virtual Network	Summary	Subnet	DHCP
☆ VMnet1 (Host-only) A private network shared with the host 192.168.68.0 Enabled ☆ VMnet8 A private virtual network 192.168.154.0	VMnet0 (Bridged)	Bridged to an automatically chosen ad	255.255.255.2	
A private virtual network 192.168.154.0	VMnet1 (Host-only)	A private network shared with the host	192.168.68.0	Enabled

• The configuration of the VMware network settings is now complete.

• Configure Virtual Machines

• Double click on other.vmx on the desktop to load up DIS V57 VMware



• Click on Edit virtual machine settings and click on 'Ethernet'.

Under 'Network connection select 'custom' and then select VMnet1 (Hostonly) from the drop down menu.

Hardware Options		
Device	Summary	Device status
Memory Hard Disk (IDE CD-ROM (IDE 1:0) Roppy Ethemet CE CD-ROM (IDE 1:0) Roppy Ethemet 2 CE CD-ROM (IDE 1:0) Roppy Processors Ropping	512 MB 18.6 GB Auto detect Using image gh flp Custom Host-only Auto detect 1	Connect at power on Network connection Bridged: Connected directly to the physical network NAT: Used to share the host's IP address Host-only: A private network shared with the host Custom: Specific virtual network VMnet1 (Host-only) VMnet2 VMnet2 VMnet3 VMnet4
	Add	vivinet3 VMnet6 VMnet7 VMnet8 VMnet8 VMnet9

- Click OK.
- Configuration of virtual machine settings for DIS V57 is now complete and should appear as below.



- Now we need to carry out the identical configuration for SSS V32.
- Repeat the above process for SSS V32 by clicking on Windows XP Professional.vmx on the desktop.

BMW SSS V32 ST DIS V57 English		_	-
BM (BMW SSS V32) State: Powered off Guest OS: Windows XP Professional Configuration file: D-8BMW DIS V57My Virtual In Version: Workstation 6x virtual machine	Machines\BMW SSS V32\Windo	ws XP Professional.vmx	
Commands	Devices		
Can use virtual machine settings Edit virtual machine settings Cone this virtual machine	Hendry Hard Disk (IDE 0:0) CD-ROM (IDE 1:0) Floppy Floppy Ethernet Display. Processors	80.0 GB Auto detect Auto detect Custom Auto detect 1	
Notes			
Type here to enter notes for this virtual machine			

• Configuration of the virtual machines is now complete.

Check ping to 192.168.68.1

- At this point we will perform a ping test to 192.168.68.1 to confirm that basic network settings are correct and that the laptop is able to communicate with VMware.
- Click start and then click run and type 'CMD' in the box

Run	? 🔀	
-	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	S
Open:	cmd	
	OK Cancel Browse	0

• When the command window appears type 'ping 192.168.68.1'. You should get a response similar to the following.



- If this test is successful we are now ready to establish the connection to DIS.
- If the ping test fails, you will receive a 'host unreachable' or 'timeout' message. If the ping test fails, recheck that you have entered the correct IP address of 192.168.68.1 and try again. In the unlikely event that the ping test still fails, then your laptop has an existing network settings problem that must be resolved before progressing any further.

Establishing connection between Diaghead emulator and DIS V57

• Double click on the 'Diaghead' icon on the desktop. When the application loads click on run. You should see the following:

Run	<u>S</u> top	<u>O</u> ptions	<u>C</u> opy Log to Clipboard	<u>A</u> bout	Exit	
		PR	OCESSING COMMANDS	FLOW		
Sending Sending Sending Sending Sending Sending Sending Sending	d Systen letwork / 168.68.1 0 CMD_N 0 CMD_N 0 CMD_N 0 CMD_N 0 CMD_N 0 CMD_N 0 CMD_N	Name: LAP Adapter: [000 MASK:255.2 AT_FREE AT_FREE AT_FREE AT_FREE AT_FREE AT_FREE AT_FREE AT_FREE	TOP 00027] VMware Virtual Ether 55.255.0 GW:0.0.0.0	net Adapter	for VMnet1	

• Open the hard drive and double click on the 'EDIABAS' file followed by a double click on the 'BIN' file.

Double click on IFHSrv32.EXE to start the IFH service. A window will not open but an item named 'IFH-Service' should appear on the task bar.



- Double click on other.vmx on the desktop to load up DIS V57 VMware.
- Click on 'Start This Virtual Machine', DIS will now begin to load. This will take approximately 2 minutes.



• Click on 'Administration' and then 'Diagnostic head' under the 'Config' menu. The following Window will appear:

Print Admir	Change Change To dir To dir histration Diagnostic I	157 English VM Set vices At input to this vitual machine, press Ctrl+G. At a configuration		Help
Free	liagnostic heads	Diagnostic head		
	LAPTOP 192.168.68.1	Host name IP address IP address I Network mask Default gateway I	Color	Load
	q w e r a s d û z x	t y u i o p f g h j k l c v b n m <u>1</u>	7 8 8 * 4 5 6 * 1 2 3 * 0 . i	

• Click on the free diagnostic head. When the settings display on the right click the green back icon in the bottom left hand corner.

Administration	P DIS VS7 English P DIS VS7 English P DIS VS7 English Service Diagnostic head con	res figuration		Help
Free diagnostic h	eads 192.168.68.1	Diagnostic head Host name [LAPTOP IP address [192.168.68.1 Network mask [255.255.255.0 Default gateway	Color	Load
	q w e r t y a s d f g 1 z x c v	u i o p 7 h i k I 4 b n m 1 ↓ 0	B 9 + 5 6 - 2 3 ^ i i i	

 Now click on 'Connection Setup' under the 'Admin' Menu and click on 'Connecting'. When the below message appears click on 'ignore'. DIS V57 should now connect.

Print Change in Administration Diagnos Free diagnostic heads	DIS V57 English VM + C - DIS V57 English VM + C - To direct input to this virtual machine, press Ctrl+G. DIC head assignment	
LAPTOP 192.168.68.1	IP address conflict The IP address of the selected diagnostic head is also entered under the name	
Connection via radio	diaghead in the system. Each IP address may only be allocated once. Rectify the address conflict in the relevant configuration mask.	
Connection via cable		
Connection via docking stati	n	Diagnostic head Update

• Click on 'Test'. You will see the following.

Print Change Print	IS V57 English SERVICES direct input to this virtual machine, press Ctrl+G.		Help
Free diagnostic heads			
	Test		
	Connecting	DIS	
	Diagnostic head assignment	d and could	
	be reached.		
Connection via radio			
Connection via cable		LAPTOP 192.168.68.1	
Connection via docking station			Diagnostic head Update

• DIS is now connected and ready for use.

• Select End and then click quit. Then press terminate as per below.

Print Change Services M	
Administration Diagnostic head assignment	
Free diagnostic heads	
Test	
Connecting	
Terminate operating mode	
You can leave the mask by pressing "Terminate"; any connections made to a diagnostic bead are retained	
Connection via radio	
Connection via cable	
Connection via docking station	

• Select End and then click quit once more to return to the main DIS page.



- Connect your interface cable to the diagnostic port under your vehicles dashboard and to your computer. Ensure you are connected and configured to COM1 as per details on pages 4 / 5 of this manual.
- Click on 'Diagnosis' and then select your model from the 2 columns on the right of the screen. In my case a 3 series E46. Click the green arrow in the bottom right hand corner to continue



• Click OK when this screen comes up



• You should then arrive at the following screen confirming that automatic vehicle identification has been successful. Click on OK

Print	Change DS 192 English VM + 4 + - 4 ×	Help
Diagnosi	IDENT E46 / Data transfer	
	The vehicle and the vehicle equipment were determined automatically.	
	The control units with diagnostic capabilities installed in the vehicle are highlighted with a dark background.	
	Carry out quick test!	
	•	
	ок	

• The next screen will display all of the modules present in your vehicle.

Print Change Diagnosis Vehic	DIS V57 English English To direct input to this virtual machine, press Ctrl+C le identification	
	Vehicle equipment	
Model series	Drive	Body
3 Series_E46	DME Digital Motor Electronics MS43 ? EGS Transmission control 5HP ? EGS Transmission control GM5 EWS Vabiate sumphilizer	AlC Automatic Interval Control BM On-board monitor MIR Multi-Information Radio UKA Intervated automatic locating/air condit
		? IHKR Integrated automatic nearing/air conditioning reliance
Model		KOM Instrument cluster
330i_M54_TOUR		LSZ Light switching centre
		MRS Multiple Restraint System III/IV
÷		NAV Navigation computer
v		PDC Park Distance Control
version		SES Language_input system
FOR_KHD	Chassis	SMF Seat memory, driver
	ASC MK20 Automatic Stability Control	SHD Sliding/tilting sunroof
	DSC Dynamic Stability Control	SPMFT Mirror memory, driver
Model vear	LWS Steering angle sensor	SPMBT Mirror memory, passenger
2001_03	MFL Multi-function steering wheel	SZM Switching centre, centre console
	RDC Tyre pressure check	BIT Basis Interface Telephone
		VID Video module
Vehicle ident. number JU50393		ZKE Central body electronics
Function	Documents Text schedule	AS Measuring Control unit system functions

• DIS is now fully functional and all elements are able to be used.

Establishing connection with SSS V32 software

- The first thing we need to do is disable all firewalls which are active on your laptop as these disrupt the connection between the EDIABAS interface and SSS. This also applies to any Windows firewalls.
- Open the hard drive and double click on the 'EDIABAS' file followed by a double click on the 'BIN' file.

Double click on IFHSrv32.EXE to start the IFH service. A window will not open but an item named 'IFH-Service' should appear on the task bar.



- Double click on Windows XP Professional.vmx on the desktop to load up SSS V32 VMware.
- Should a message appear requesting the AGP440.sys file, click cancel.

• Click on 'Start This Virtual Machine', SSS will now begin to load. This will take approximately 2 minutes.



• Click on Administration and the following screen appears.



• Click on interfaces and the following screen appears.

tatus	Interface name	Version	IP address	External	1 Interfaces
10	MPS	5.01	192.168.0.1	anonado	Overview
-	MPS	5.01	192.168.0.2		Configuration
1	MPS	5.01	192.168.0.3		Interface upda
Que.	ICOM	5.01	192.168.0.4		mienace upua
200	ICOM	5.01	192.168.0.5		Self-test
34	ICOM	5.01	192.168.0.6		External interfa
?	ICOM	-	192.168.0.7		
	ICOM(PKW)	5.01	192.168.0.8	x	
¥.	OPS	5.01	192.168.0.9	x	
X	MOXA	-	192.168.0.10	×	

Click on 'External interface' and click 'Add'. Enter 192.168.68.1 into the IP address field and then click 'Continue'

interfaces	VM v 👘 v 🖕 B X Menimize	
Home Administration	Hardcopy	
External interface (IP address input)	Interfaces External interface	
Please enter the IP address:	1 Add	
IP address: 192.160.68.1 7 8 9 4 5 6 1 2 3 . 0 ←		Ċ
Continue		\sim

• You are then taken back to the interface screen. At this point click on 'Home'

		version	IP address	External	Interfaces	
MP	PS	5.01	192.168.0.1		Overview	
MP	PS	5.01	192.168.0.2		Configuration	
MP	PS	5.01	192.168.0.3		Interface undate	
	ом	5.01	192.168.0.4		mendee apaate	
	ом	5.01	192.168.0.5		Self-test	
	ом	5.01	192.168.0.6		External interface	
ICC	OM	-	192.168.0.7			
100	OM(PK₩)	5.01	192.168.0.8	×		
OP	PS	5.01	192.168.0.9	×		
MC	AXO	-	192.168.0.10	×		

• Connect your interface cable to the diagnostic port under your vehicles dashboard and to your computer. Ensure you are connected and configured to COM1 as per details on pages 4 / 5 of this manual.

• Click on New session and you should see this screen.

terface			a 🛛 🖉 BMW SSS V	32	vm • ⇔ • . Ø	4	
Hom	e Administra	ation				Hardcopy	
Status	Interface name	Version	ID address	Eutomal interface			
	PS1	6.21	192,168,68,1	X			
	_		_				
Back		Upda	ate	Continue			
Back	terface and confirm	Upd: with "Continu	ate	Continue			

- Highlight the interface by clicking on it and then click continue
- Enter any name that you like for the session and press continue.

Image: Second Secon	BMW SSS V32 - VMware Workstation	
Image: State Image: Maintestate Hardcopy X Description of new session P address: 192.168.86.1 Interface name: OPS1 Description: TEST 1 0	File Edit View VM Team Windows Help	
Home Administration Hardcopy Description of new session IP address: 192.168.68.1 Interface name: OPS1 Description: TEST Image: Continue Image: Continue Image: Continue Image: Continue		
Home Administration Hardbooy Description of new session IP address: 192.168.86.1 Interface name: OPS1 Description: TEST 1 2 3 4 6 7 8 9 0 Q W E T Y U 1 0 9 A S D E H J L 4 2 X C V N M - 9 1 <	BANK \$55 V32	>
Description of new session IP address: 192.168.68.1 Description: TEST ID ID ID ID <t< td=""><td>Home Administration</td><td>Hardcopy</td></t<>	Home Administration	Hardcopy
Description of new session IP address: 192.168.68.1 Description: TEST III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
Description of new session IP address: 192.168.68.1 Interface name: OPS1 Description: TEST IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
IP address: 192.168.68.1 Interface name: OPS1 Description: TEST Image: Structure struc	Description of new session	
P address: 122.158.86.1 Interface name: OFST Description: TEST 1 2 3 4 6 7 8 9 0 Q W E R T Y U 1 0 P A S D F G H J K L ++ Z X C V B N M 0 Back Continue Continue Continue Continue Continue Continue Continue		
Description: TEST 1 2 3 4 5 6 7 9 0 0 W E R T Y U 1 0 P A S D P 0 H J K L 4 Z X O V B N M - - Back Continue	IP address: 192.168.68.1 Interrace name: OPS1	
1 2 3 4 5 6 7 9 0 0 W E R T Y U 1 0 P A S D F G H J K L ← Z X C V B N M _ _ _ Back Continue	Description: TEST	
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Q W E R T Y U 1 0 P A S D F G H J K L ← Z X C V B N M _ _ + Back E E Continue E Continue E E	1 2 3 4 5 6 7 8 9 0	
0 W E R Y Y U I 0 P A S D F 0 H J K L ++ Z X C V B N M - - Back Continue Continue Continue - -		
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• Continue by selecting you model. In this case I am connecting to an E46 330i.



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• Then you should see the following screen. This takes several minutes to go through.



• Eventually the following screen will appear. Click on continue



• Finally this screen will appear



• SSS is now ready to use. Click on CKM and the following window will appear detailing what options are available for your vehicle.

& Key mory TEST	я 👩 вмw	SSS V32	EHU WB/	AAW5	52070	JU503	93		M ▼ 10 ▼ - 5 × Terminal : 12.40 ∨ 30 Terminal : 12.40 ∨ Terminal : 12.40 ∨
Print Change E	ind								Minimise Hardcopy
		Car	Key1	Key2	Key3	Key4			Function groups
active			•	¢	•	c	*		SEAT/MIRROR MEMORY
not active			c	¢	c	c			WINDSCREEN WIPERS
Open tailgate							_		POWER WINDOWS / SHD
active		C							CENTRAL LOCKING
not active		e							LIGHTING
Lock aft unlock without open		с							ANTI-THEFT SYSTEM
not active		¢							HEATING - A/C - VENTILATION
Autom. lock. after driv. off								F	DISPLAYS/LANGUAGE
active		¢	ſ	۹	c	c			ACOUSTIC WARNINGS
not active	**	C	c	0	•	•	-1		
Encode car	Set s	tand	lard	valu	ıes				
lesired Car & Key Memory settings. anations by pressing the left dark bar.									

- Click on the individual items you would like to change.
- Once you are satisfied with the changes click on encode to confirm the changes to the cars memory.

BMW TIS V8 Installation

• Place the TIS disc in the DVD drive and then double click on the 'WIN95' folder, then double click on the 'BMW' folder, then double click the 'TIS' folder and then double click on 'Setup.exe.



• Select 'English' and click 'OK'



• Click 'next' and then click 'next' again. The installation of Sysadm will now complete.



- Please restart the PC
- When the PC restarts double click on the 'Sysadm' icon on the desktop.

The following window will appear

File TtS System * Install Deinstall Update Data update Patsword Change CD KDS Diskcopy Country code	File TIS Sysadm ? Install Deinstall				
Install Update Pasword ChangeCD KOS Diskopy County rode	Deinstall				
Udata Update Passored Change CD KOS Diskcopy County code	Deinstail				
Data update Passoord Change CD KOS Diskespy Country code	Update				
Pathord Change CD KOS Diskopy County code	Data update				
Change CD XOS Diskopy Country code	Password				
KOS Diskcopy Country code	Change CD				
Diskopy Country code	KDS				
Country code	Diskcopy				
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	Lange We				
Leadelle TIC	Instans 115.				
	Installs TIS.				
	Installs TIS.				
Installs TIS.					
		Data update Passorad Change CD KOS Diskcopy Country code	Pasayond Change CD KDS Diskoopy Country code	Data update Passorid Change CD KOS Diakopy Country code	Data update Passord Chang CD KG Diakogy Country code Installs TIS.

• Select 'TIS' from the menu and from the menu select 'Install'.

• Select 'English' as the language for the setup.



• The following window will appear. Click 'next' to continue.

is Setun		
	To X	
	Welcome to the Tis Setup program. This program will install Tis	
	This strongly recommended that you exit all Windows programs	
	Dick Cancell to cut Setup and then close any programs you have married. Cick Next to continue with the Setup program.	
	WARNING. This program is protected by copyright law and international treates.	
	Unauthorized reproduction or distribution of this program, or any portion of it, may result in source roll and criminal penditor, and will be prosecuted to the maximum extent possible under law.	
	Click Nets Cavel	
📰 🕿 🖉 🧶 📲 📑 TIS	🖉 http://www.bimmer 🐧 TIS start - Paint 🛛 🛃 Setup	< 🖸 👬 🕅 👘 🗟 40 a

• Select 'Hard Disk' and then select 'Next' to continue.

Tis Setup		
	Installation type.	
	C CD C CD C Held dak	
	clast Nex> Careet	

 • TIS will now install.



• Setup takes a while. The following screen will eventually appear. Select 'OK' to complete setup.

Tis Setup			
	Information		
	Setup has been completed.		
	ОК		
	<u></u>		

• Double click on the 'TIS' icon and TIS will start.



Click on close



• Click on 'Vehicle Identification' and choose your series and model. In my case '3' E46', '330i (M54) TOUR', '2001'. Click on the arrow in the bottom right corner to confirm.



• Click on 'symptom or 'Document' on the right hand side to begin. For this example I will 'click' on Document but symptom works exactly the same.



• Click on the document you require. In this case I will click on 'Repair instructions' then 'Engine (M54)' and '42 oil filter and lines'. When the document is selected click on the arrow on the right hand side.

Print	Change	End	Utilities	Vehicle	n			He	lp	
TIS	Document									
Document Type		Main Gro	Main Group		Subgroup			Trace		
Service informat Kenuin Guevee Technical data Tipthening torque Isspection sheete Si Operating fluid Si Techniques Si Dagonsis En Si Si Dagonsis En Si Special tools Special tools Please select ti ist or enter an appropriate nu 0 1 2 5 6 7	tion res ds cooling appliances , , , , , , , , , , , , ,	OD Maria I Engr 13 Gers 14 Engr 15 Gers 16 Gers 17 Colin 18 Exha 21 cluct 22 Engr 23 Maru 24 Autor 25 gear 26 propo 27 Trans 35 peda 36 whee 37 fort 38 gers 39 peda 39 peda 31 fort 32 start 33 fort 34 Braket 35 whee 36 whee 37 fort 38 whee 39 whee 31 fort 32 start 33 brief 34 Braket 35 whee 36 whee 37 fort 38 whee 39 whee 31 fort 32 start 33 fort 34 Braket 34 Braket 34 Graket 31 Graket	enance and general data ex.McG ex.McG ex.McG ex.McG upply system (M54) upply system (M54) upply system (M54) at rasmission (MC6H) at rasmission (MC6H) at rasmission (MCCH) at rasmission (MCCH) is system (M56H) at rasmission (MCCH) is system (M56H) at rasmission (MCCH) is system (M56H) at rasmission (MCCH) is system (M56H) at rasmission (MCCH) is system (M56H) is syst	- 00 - 11 11 11 11 11 11 11 11 11 11	Engine, ger Cyclinder hear out sump housing cov crankshaft v Vorthear water vorthear vorth	eral d with cover er d with cover er with bearing mper of with bearing ings and pin it w tens/deflect.elemt by prings mshaft timing h filter and drive hits and connections fold introl, oxygen sensor with the sensor with th		Start Vehicle Start Subjects vehicle Subjects	,	
'IN :	Series : E4	6 Mod	lel : 330i TOUR	Year	: 2001	Engine: M54	Gearbox:			
•						Overview				

• The document will then appear.



- You can have many documents open at one time
- Navigation between documents and pages is done with the left and right hand arrow.

End of Process

Appendix A: Safety Precautions and warnings

To prevent personal injury or damage to vehicles or the laptop / software please observe the following safety precautions.

- When an engine is running, it produces carbon monoxide, a toxic and poisonous gas. To prevent serious injury or death from carbon monoxide poisoning, operate the vehicle only in a well ventilated area.
- To protect your eyes from propelled objects as well as hot or caustic fluids, always wear approved safety eye protection.
- Keep cigarettes, sparks, open flames and other sources of ignition away from the vehicle being tested. Keep a dry chemical (Class B) fire extinguisher rated for gasoline, chemical and electrical fires in the work area.
- Connecting or disconnecting test equipment when the ignition is on or the engine is running can cause damage to the vehicle. Please ensure the ignition is switched off and that no live session is established between the DIS / SSS software and the vehicle.
- To prevent damage to the vehicle when taking electrical measurements, always use a digital multi-meter with at least 10MΩ of impedance.
- To maintain a constant steady voltage whilst programming / encoding it is recommended that a good quality battery charger is connected that can provide a minimum charge of 30Ah.
- Keep the tools clean, dry and free from oil, water and grease. Use a mild detergent on a clean cloth to clean the outside of the EDIABAS interface when necessary.