# Getting started



by Mosselman Turbo Systems



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#### **Overwiew**



#### Welcome to iMoss!

Now you have the power to flash...

iMoss by Mosselman Turbo Systems gives you the power to flash your car with the quality of Mosselman Turbo Systems files, and return to stock any time you want. Further, you can read and clear fault codes. iMoss flash tool is a high quality product, it is easy to use and it allows you to drive a Mosselman tuned car!

#### How does it work

After installing on your laptop iMoss software programs

(iMoss\_BMW\_Installation.exe and xdcode.exe) you run the program with your PC/laptop connected to iMoss through the USB connection and the OBD side plugged in your car OBD connector. The software will start checking the connection to your car, identifying your car and its ECU, and ask you if you want to lock iMoss to your car. From now on iMoss will be able to communicate exclusively with your car. Reading out the original program from your ECU will be easy. We recommend that the car battery is in recharged during the reading process only for those car that require a longer time for this operation (check at page 17-18 the reading time for your car is still fully functional. At this point you just need to send us an e-mail with the file imoss@mosselmanturbo.com and we will prepare your custom remapped file within 24/48h (working day). Once you receive your remap, you connect iMoss to your car and program the remap to your car and enjoy it!

iMoss package includes:

- *iMoss hardware device, USB to OBD*
- iMoss software
- This installation and operation manual

System requirement (laptop, PC)

Windows XP or higher, and since the software is relatively light, core speed over 400MHz, RAM over 200MB free, HDD over 400MB free.

#### Installation



iMoss software installation takes only few moments. Plug in your laptop first iMoss flash tool. Open 'iMoss by Mosselman' map and click on 'iMoss\_flash\_tool\_Installation' application.







#### i3. Click Next.







i7. Click Finish to complete the installation, the program will start automatically.





i8. Run once on your PC xdcode.exe program (see next page).



iMoss\_BMW\_Installation\_v658.exe



**i9**. At this point iMoss program is installed on your computer. You still need to run once xdcode.exe. Be sure that iMoss cable is connected to your PC via the USB port, click on xdcode.exe program, a black window will appear, wait few seconds.

**i10**. On the black window you will read: "Coding OK! Press any key...". iMoss is ready to use! Check pages 7-8.



#### **IMPORTANT**: The **ignition** must be **On** during reading and

programming. The programming will fail if the ignition of the car is not fully switched on during the programming attempt.



To switch on your ignition inserting the key is not enough, you have to push the start button once as well. Without pushing any pedal.





The instrument panel lights will be on.



Ignition on is also usually reported by a distinctive sound.



To save battery life switch off some consumers like air conditioning, radio, lights.

Ignition is on now and you are ready to read or write with iMoss!

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#### **Coding iMoss**

Attention! Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).



**c1**. Read the softare disclaimer, click the **I agree** button and click **Next**.



**c3**. Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



**c5**. Verify the ECU type if you have more than one option in the selection box, and the VIN (chassis number). Click **Next**.



**c2**. The specifications of your PC/laptop are checked here to garantue problemfree operation. Click **Next**.



**c4**. iMoss starts identifying your car ECU and VIN (chassis number), this can take a minute. The next window will appear automatically.

📓 iMoss for BMW Versio	on 1.0.0, Build 0545	i 🛛 💌
	Vehicle information :	
<i>«</i> /// 055	Detected ECU Type :	Siemens DME MSS60
Maral Som	Vehicle Ident. No. :	WBSWD93518PY42433
and	USB Device informatio	n :
innovative	USB Device SN :	1876 - End User
iMoss flash tool		₩ F I
Are you source you ECU Type : Each Identification nu United to the source of the sourc	u like to code your hardw meer : WBSWD93518PY4 3a keensnoation number : W Please verfy these detail Please click: Next to pro	ere device with the following information : 2433 Nee ISSW093516P142433 ISSW093516P142434 ISSW093516P142434 ISSW093516P142434 ISSW093516P142434 ISSW093516P142434 ISSW093516P142434 ISSW093516P142434 ISSW093516P142434 ISSW093516P142434 ISSW093516P144 ISSW093516P144 ISSW093516 ISSW09351

**c6**. Click **YES**, iMoss will lock to your car, this means that from now on it will work exclusively with your car. Click **Next** and iMoss is now ready for you.



### Reading the original map from your car

Attention! Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).



**r1**. Read the softare disclaimer, click the **I agree** button and click **Next**.



**r3**. Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



**r5**. The system is now ready to communicate. Click **Next**.



**r2**. The specifications of your PC/laptop are checked here to garantue problemfree operation. Click **Next**.



**r4**. iMoss starts identifying your car ECU and VIN (chassis number), this can take a minute. The next window will appear automatically.



**r6**. It is recommended to **Read Trouble Codes** first. If iMoss detects any trouble codes it is highly advised to solve them before procede. If your car is free of trouble codes click the **Read ECU Memory** button.







**r7**. Go to the list at page 17-18, check what option you should select according to your car type. Select the right option and click **OK**.

A.	ECU Type : Slemens DME MSS60 Vehicle Manufacturer Ecu Hardware Number : 7846409
-	Select Filename for Read file ? 🔀
	Opslaan in: 🗢 IMOSS USB (D:) 🔽 🔇 🤣 📂 🖽 -
	Mind occurrenten     Mind occurrenten     Lokaal station (C)     Mind occurrenten     Mi
WRW,ED	Recover ECU Memory Software options

**r8**. It is recommended to select the supplied iMoss USB stick. Click **Next** to start reading.



**r9**. Moss is reading the original file from the ECU.



**r11**. ECU file has been read successfully, and is saved. You don't need to open the read folder so you can click **No**. E-mail to <u>imoss@mosselmanturbo.com</u> the saved original file and we will remap it for you.



**r10.** iMoss is reading the file for 2 minutes and 39 seconds, 4 seconds to go...

### Programming the remap into your car

**Attention!** Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).





**p2**. The specifications of your PC/laptop are checked here to garantue problemfree operation. Click **Next**.



**p4.** iMoss starts identifying your car ECU and VIN (chassis number), this can take a minute. The next window will appear automatically.



p6. Click the Program ECU Memory button.



**p1**. Read the softare disclaimer, click the **I agree** button and click **Next**.



**p3.** Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



**p5**. The system is now ready to communicate. Click **Next**.



	1055.		CU Type : Sie ehicle Manufa	mens DME I acturer Ecu H	iardware Nur	ber : 784	6409	
Se	lect Tuned	file to O	pen				? 🔀	
Zo	peken in: 🛅 i	iMoss files			🔽 🔾 💋	🦻 📴	-	
	SiemensDMEN	45560_784	46409_78463	97_0569QT0	Z220EEKUV0	_ch-WBSV	VD93518	
								s
Be	estandsnaam:	0_78464	09_7846397_	0569QT0Z2	20EEKUVO_	Ор	enen	5
Be	estandsnaam: estandstypen:	0_784641 iFlash Tu	19_7846397_ ned Files (".ifli	0569QT0Z2 ash.mod)	20EEKUVO_	Op	enen	s s
Be	sstandsnaam: sstandstypen: 7 Openen als bi	0_784641 iFlash Tu estand met	19_7846397_ ned Files (*.ifi het kenmerk	,0569QT0Z2; ash.mod) Alleen-lezen	20EEKUV0_	Op Ann	enen uleren	\$
Be	estandsnaam: estandstypen: ] Openen als be	0_78464i iRash Tu estand met	19_7846397_ ned Files (*.ifi het kenmerk Recover Et	0569QT0Z2 ash.mod) Alleen-lezen	20EEKUV0_	Op Ann Softwi	enen uleren	s

**p7**. Select the tuned file we sent you (extension iflash.mod) and click **Open**.



**p9.** iMoss is now erasing the memory block to make space for the new remap. It is normal to see malfunctions in the screen of your car during this process (ESP, tyre pressure, gear box, etc...). Wait.



**p11**. ...10 seconds, wait.



**p8**. Read the vendor comments, make sure to apply them and then click **Yes**.



**p10**. iMoss is now programming the new remap, 4 minutes and 33 seconds to be completed..



**p12**. Switch ignition to the OFF position then click Ignition OFF button.



æimoss	Identification details : ECU Type : Siemens DME MSS Vehicle Manufacturer Ecu Hard Vehicle Manufacturer Ecu Stru Hardware Reference Number : Vehicle Identification Number : Ecu Manufacturing Date : 12.08	160 ware Number: 7846409 vare Number: 7846397 56901702220EEKUV0 WBSWD93518PY42433 52008
Please switch	the ignition to the OFF position	Ignition is OFF
to the second	Program ECU Memory	Clear Trouble Codes
www.mosselmonturbo.com	Recover ECU Memory	Software options

**p13**. Wait a moment.

¢1M055	Identification details : ECU Type : Seman SME MSSI Vehicle Manufacturer Ecu Hardw Vehicle Manufacturer Ecu Softw Hardware Reference Number : 0 Vehicle Identification Number : 12.05 Ecu Manufacturing Date : 12.05 flash tool	50 vare Number : 7846409 see Number : 7846397 5690702220EEXUV0 VBSVID9518PY42433 2009
	ECU has been successfully prog	rammed :-) c options : d Trouble Codes
	Program ECU Memory	Clear Trouble Codes
www.mosselmenturbe.com	Recover ECU Memory	Extra options : Software options

**p14**. The programming is completed, ECU has been successfully programmed. Click **OK**. You can close the program and unplug iMoss.

#### Programming back to stock

Attention! Be sure to have enough battery level in your car battery and in your PC/laptop during reading and/or programming the ECU file. Switch off all functions consuming energy (like lights, radio, airco...). It is highly recommended to use a power supply for both your car and your PC/laptop if your car ECU requires a long reading time (check list of estimated times at page 17-18).



**S1**. Read the softare disclaimer, click the **I agree** button and click **Next**.



**S3.** Follow the instruction on the screen (make sure your hardware device is connected to the PC on one side and to the vehicle's diagnostic plug OBD on the other side, and make sure ignition switch is set to the ON position and the engine is NOT running!) and click **Next**.



**s5**. The system is now ready to communicate. Click **Next**.



**S2**. The specifications of your PC/laptop are checked here to garantue problemfree operation. Click **Next**.



**S4.** iMoss starts identifying your car ECU and VIN (chassis number), this takes approximately 20 seconds. The next window will appear automatically.



**S6**. Click the **Recover ECU Memory** button.

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		Identification details :	
A	11033	ECU Type : Siemens DME MSS60	
00		Vehicle Manufacturer Ecu Hardware Number : 7846409	
	Select Origina	I / Recovery file to Open ? 🔀	
	Zoeken in: 险	Moss files 💽 🕥 🍺 📴 🖽 •	
	SiemensDMEN	4SS60_7846409_7846397_0569QT0Z220EEKUV0_WBSWD93518PY	
		s	
	Bestandsnaam:	SiemensDMEMSS60_7846409_7846397_0569 Openen	
	Bestandsnaam: Bestandstypen:	Siemens DMEMSS60_7846409_7846397_0569 Openen IFlash BMW Original Files (* iflash bmw.org)	
	Bestandsnaam: Bestandstypen:	SiemensDMEMSS60_7846409_7846397_0569 Openen IRash BMW Orginal Files (* filash briw org) V Annuleren	
	Bestandsnaam: Bestandstypen:	SemenaDMEMSS60_7846499_7846397_0563 Openen  Resh BMW Orginal Files (* //Bath bmw org)  Annularen satard met het kommerk Alleen-kezen	
	Bestandsnaam: Bestandstypen: Openen als be	SemensDMEMSS60_7846499_7846397_0563  Pash BMW Original Files ("Allesh binw org)  Annuleren sstand met het kennerk Alleen-lezen  Recover ELU Wemany Software options	
	Bestandsnaam: Bestandstypen: Openen als be	SemensDMEMSS60_7846499_7846397_0563 Openen IRash BMW Original Files (* flash bmw org) V Annuleren stand met het kenmerk Alleen-lezen Recover ELU Wemoly Software options	

**s7**. Select the original file (extension iflash.org) and click **Open**.



**S9.** iMoss is now erasing the memory block to make space for the new remap. It is normal to see malfunctions in the screen of your car during this process (ESP, tyre pressure, gear box, etc...). Wait.



**s11**. ...10 seconds, wait.



**S8**. Read the vendor comments, make sure to apply them and then click **Yes**.



**s10**. iMoss is now programming the new remap, 4 minutes and 33 seconds to be completed..



**s12**. Switch ignition to the OFF position then click Ignition OFF button.



Moss	Clentification details : ECU Type : Siemens DME MSSI Vehicle Manufacturer Ecu Hardv Vehicle Manufacturer Ecu Softw Hardware Reference Number : V Vehicle Identification Number : V Ecu Manufacturing Date : 12.06	50 vare Number : 7846409 are Number : 7846397 5650T0222020EEKUV0 VBSWD93518PY42433 2008
Toggle ignition	•••	
		Ignition is OFF
for set	Program ECU Memory	Clear Trouble Codes
www.mosselmeaturbo.com	Recover ECU Memory	Extra options : Software options

**s13**. Wait a moment.

æ Moss	Identification details . ECU Type : Siemens DME MSS60 Vehicel Manufacturer Ecu Hardware Number : 7846 Vehicle Manufacturer Ecu Software Number : 7846 Hardware Reference Number : 0669070220EEKI Vehicle Identification Number : WESWD935189Y43 Ecu Manufacturing Date : 12.05.2008	409 397 JVO 2433
iMoss	flash tool 🛛 🔀	
	ECU has been successfully programmed :-) OK OK	ons : uble Codes
Ę	Program ECU Memory Clear Tro	uble Codes
www.mosselmonTurbe.com	Recover ECU Memory Software	re options

**s14**. The programming is completed, ECU has been successfully programmed. Click **OK**. You can close the program and unplug iMoss.

### **Car ECU specifications list**



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Car type	ECU type	Reading data type		Reading	Programming
		Calibration data only	Full program + calibration data	Estimated time (hour:min:sec)	Estimated time (hour:min:sec)
BMW 118d E81	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 120d E81	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 125i E82	MSD80/MSD81		$\checkmark$	1:10:00	0:08:00
BMW 135i E81	MSD80/MSD81		$\checkmark$	1:10:00	0:08:00
BMW 318d E46	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 318d E90	EDC16	✓		0:10:00	0:04:00
BMW 320d E46	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 320d E90	EDC16	✓		0:10:00	0:04:00
BMW 320i E46	MS42/MS43	$\checkmark$		0:06:00	0:04:00
BMW 323i E46	MS42/MS43	✓		0:06:00	0:04:00
BMW 325d E90	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 325i E46	MS43	$\checkmark$		0:06:00	0:04:00
BMW 325i E9x	MSD80/MSD81		$\checkmark$	1:10:00	0:08:00
BMW 325xi E46	, MS43	$\checkmark$		0:06:00	0:04:00
BMW 328i E46	MS42/MS43	$\checkmark$		0:06:00	0:04:00
BMW 330d E46	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 330d E9x	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 330i E46	MS43	$\checkmark$		0:06:00	0:04:00
BMW 335d E90	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 335i E90/91	MSD80/MSD81		$\checkmark$	1:10:00	0:08:00
BMW 520d E60	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 525d E60	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 525i/xi E9x	MSD80/MSD81		$\checkmark$	1:10:00	0:08:00
BMW 530d E39	EDC16	✓		0:10:00	0:04:00
BMW 530d E60	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 535d E60	EDC16	$\checkmark$		0:10:00	0:04:00
BMW 635d E63	EDC16	$\checkmark$		0:10:00	0:04:00



Car type	ECU type	Reading data type		Reading	Programming
		Calibration data only	Full program + calibration data	Estimated time (hour:min:sec)	Estimated time (hour:min:sec)
BMW 730d E65	EDC16	✓		0:10:00	0:04:00
BMW 740d E65	EDC16	$\checkmark$		0:10:00	0:04:00
BMW M3 E92/93	MSS60		$\checkmark$	0:35:00	0:05:00
BMW M5 E60 V10	MSS65		$\checkmark$	0:35:00	0:05:00
BMW M6 E63 V10	MSS65		$\checkmark$	0:35:00	0:05:00
BMW X3 2.0d	EDC16	$\checkmark$		0:10:00	0:04:00
BMW X3 3 0d	EDC16	$\checkmark$		0:10:00	0:04:00
BMW X5 3 0d	FDC16	$\checkmark$		0:10:00	0:04:00
BMW X5 35d	FDC16	✓		0:10:00	0:04:00
BMW X6 30d	FDC16	✓		0:10:00	0:04:00
PMW X6 2Ed	EDC16	✓		0:10:00	0:04:00
DMW 74 25;	MCD90 /MCD91		$\checkmark$	1:10:00	0:08:00
		✓		0:06:00	0:04:00
	EMOOK	✓		0:06:00	0:04:00
Mini Cooper S R53	EMSZK	✓		0:10:00	0:05:00
Mini Cooper S R56	MED17.2	./		0.00.00	0.04.00
Mini One R50	EMS2K	v		0:06:00	0:04:00

## Trouble shooting



- USB device is not recognized or the correct drivers for it cannot be found :
- <u>The car battery died during programming</u>: charge or connect battery(s) to power supply and try to program the original ECU file in the car.
- <u>The remap programming went fine but the car won't start</u>: program your original file back into the car and contact Mosselman Turbo Systems.

### ECU list

#### Reading the ECU file

Some cars take long to read, so need an external power supply to prevent an automatic ignition switch off. In the case of an automatic ignition switch off, iMoss might not be able to finish the ECU reading. Check the list at page 17-18.

**Programming the ECU file Attention: in the case of a flat battery during programming the ECU could be damaged.** 



#### Thank you for purchasing *iMoss flash* tool!

For more information about Mosselman Turbo Systems products and services, visit <u>www.mosselmanturbo.com</u>.

Contact details:

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