

## HPA OnePort Flashing Instructions for MED9 ECU

Congratulations on your purchase of the HPA OnePort flashing device. This compact OBD II dongle gives you the power to flash HPA software tunes to your ECU quickly and easily.

The OnePort software is available as a ZIP file for download here:

http://www.hpamotorsports.com/downloads/OnePort-VAG/

# NOTE: Windows 8, 8.1, and 10 users will need to follow these instructions before proceeding:

1) Hold down the Shift key while you click the "Restart" option in Windows. Your computer will restart into the menu.



2) Select the "Troubleshoot" tile on the Choose an option screen that appears.





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3) Select "Advanced options".



4) Click the "Startup Settings" tile.



5) Click the "Restart" button to restart your PC into the Startup Settings screen.



Z:\HPA MOTORSPORTS INC\PRODUCTS\ECU Flashing\OnePORT-Med9 Instructions.pdf



6) Type "7" or "F7" at the Startup Settings screen to activate the "Disable driver signature enforcement" option.

tartup Settings
ress a number to choose from the options below
se number keys or functions keys F1-F9.
) Enable debugging
) Enable boot logging
) Enable low-resolution video
) Enable Safe Mode
) Enable Safe Mode with Networking
) Enable Safe Mode with Command Prompt
) Disable driver signature enforcement
) Disable early launch anti-malware protection
) Disable automatic restart after failure
ress F10 for more options
ress Enter to return to your operating system

7) Your PC will boot with driver signature enforcement disabled and you'll be able to install unsigned drivers. However, the next time you restart your computer, driver signature enforcement will be disabled—unless you go through this menu again.

### Step 1) Install the OnePort-VAG flashing program:

- 1) Download and Run the OnePort-VAG installation file on your laptop.
- 2) Follow the instructions throughout the Setup Wizard
- 3) When prompted, connect the OnePort dongle to the laptop via USB cable to install the drivers.

Note: If you get a windows security message, you must select the option "Install this driver software anyway" enable for the program to work

4) After a few moments the program will finish installing and take you to a final screen confirming the installation is complete.



## Step 2) Reading the ECU

- 1) Connect the USB cable directly to an available port on your and connect the other end to the OnePort dongle.
- 2) Plug the OnePort dongle into the OBDII port on your car.
- 3) Make sure both your laptop battery and car battery are fully charged. We recommend you hook the car up to a battery charger/maintainer if available.
- 4) Turn ignition to the ON position but DO NOT START THE CAR
- 5) Launch the OnePort user interface software by double clicking on the desktop icon and click "Next>".



6) Click "<u>N</u>ext>" again.



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F8585858585858	Operating system	8 Computer information :
	Operating system	
	-	a computer information :
ONE	System :	Microsoft Windows 7 32-bit
		Ultimate Edition
		Service Pack 1
	Computer :	AuthenticAMD
		Family 18, Model 0, Stepping 0
		Core Speed @ 1497.30 MHz
		2553 MB RAM Total , 247 MB Free
		476837 MB HDD Total , 250838 MB Free
Series Contraction	Power :	AC Power Supply
	System status :	
	Core Speed status	s OK (Over 400 MHz)
	RAM status OK (C	Over 200 MB Free)
	HDD status OK (O	ver 400 MB Free)
	Power status OK	(AC Power)
	lease click 'Next' to	proceed
	COOL CHOICE HOLE TO	
	< Back	Next > Close Help ++

7) Click "<u>N</u>ext>" one more time.





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8) The OnePort software will attempt to detect your ECU Type.

🕂 OnePort-VAG for VAG Ve	rsion 1.0.0, Build 0238 EXP - 31/12/2017	×
ONE	Please make sure your hardware device is connected to the PC side and to the vehicle's diagnostics plug (OBD) on the other sid Please make sure ignition switch is set to the 'ON' position and the ngine is NOT running !	on one le. he
Identifying ECU	And the USE of the second second second	
PORT Initializing CAN communication	www.hpámótorsport.co	
HPANN	<ul> <li>Testing hardware connection passed</li> <li>Identifying vehicle</li> <li>Verifying license</li> </ul>	
	< Back Next > Close Help	) <del>++</del>

9) Please note the red warning at the bottom the page is normal and can be ignored if the ECU type has not been detected.

OnePort-VAG for VAG Ver	sion 1.0.0, Build 0238	EXP - 31/12/2017
ONE PORT	Vehicle information : Detected ECU Type : Vehicle Ident. No. :	■ Invalid identification
	USB Device informatio	n :
	USB Device SN :	9431 - End User
	Coded ECU Type :	No ECU type coded
	Coded Ident. No. :	No identification coded
	The system was not abl with this vehicle. Please	e to collect enough information to communicate contact the program vendor for assistance !
	Please click 'Next' to pro	ceed
	< Back	Next > Close Help ++



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10) Select the corresponding ECU type from the pull-down bar at the top of the screen beside "Detected ECU Type". Please choose Bosch MED9.1 (Silver Oak).

CnePort-VAG for VAG Ve	rsion 1.0.0, Build 0238	EXP - 31/12/2017
	Vehicle information :	
ONE	Detected ECU Type :	Parath MED0.4 (Cityan Oals)
PORT	Vehicle Ident. No. :	Bosch MED9.1.1 (Green Oak) Bosch MED9.1.1 (Green Oak) Bosch MED9.1.1 (Green Oak) 2.5L
	USB Device information	Bosch MED9.1.1 (Green Oak) x 2 Bosch MED9.5 (Silver Oak) Bosch MED9.1 2 (Green Oak)
	USB Device SN :	Bosch MED9.1.2 (Green Oak) Bosch MED9.1.2 (Green Oak) x 2 Bosch MED17 (TC1766)
	Coded ECU Type :	Bosch MED17 (TC1767) Bosch MED17 (TC1796)
	Coded Ident. No. :	Bosch MED17 (TC1797) Bosch MED17 (TC1797) x 2
	The system was not able with this vehicle. Please of	Siemens Simos 8.3 Siemens Simos 8.4 Siemens Simos 8.4 P Siemens Simos 10.x Siemens Simos 18.x
	Please click 'Next' to proc	eed
	< Back	Next > Close Help ++

11) You will be prompted to confirm your selection. Click "Yes".

🚮 OnePort-VAG for VAG Vers	sion 1.0.0, Build 0238 EXP - 31/12/2017
ONE	Vehicle information : Detected ECU Type : Bosch MED17 (TC1767)  Vehicle Ident. No. : WAUDFBFR2DA080013 USB Device information :
	Are you sure you know better ? Click 'Yes' to keep your new selection. Click 'No' to restore previous selection. The selection on to communicate for assistance !
HPANN	Please click 'Next' to proceed
	< Back Next > Close Help ++

12) Click "Next>" at the following screen where it asks you to code the device.



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SomePort-VAG for VAG Ve	rsion 1.0.0, Build 0238 .	EXP - 31/12/2017
	Vehicle information : Detected ECU Type : Vehicle Ident. No. :	Bosch MED17 (TC1767)
	USB Device information	n :
	USB Device SN :	9431 - End User
	Coded ECU Type :	No ECU type coded
A .	Coded Ident. No. :	No identification coded
	Clicking the 'Next' buttor following information : ECU Type : Bosch MED1 Identification number : V Please verify these deta	i will code your hardware device with the 7 (TC1767) /AUDFBFR2DA080013 ails are correct
	Please click 'Next' to pro	oceed
	< Back	Next > Close Help ++

- 13) You will then be prompted with a dialog box asking for further confirmation. Click "Yes".
- 14) At the "function" screen, click on "Read ECU Memory".
- 15) When prompted for the file name, type your last name before the default name assigned, browse to a suitable folder or use the desktop, then click "Save". Example: Smith\_BoschMED9\_WVWXXXXXXX1234567.xxx
- 16) The "Reading ECU memory..." status screen will appear and the read process should take approximately 3-5 minutes.
- 17) When the read is complete, you will see a report. Click "Yes" to open the read folder.
- 18) Email the file to HPA for modification.
- 19) Turn the ignition key to the OFF position before disconnecting the cables.



## Step 3) Writing the ECU tune

- 20) Connect the USB cable directly to an available port on your and connect the other end to the OnePort dongle.
- 21) Plug the OnePort dongle into the OBDII port on your car.
- 22) Make sure both your laptop battery and car battery are fully charged. We recommend you hook the car up to a battery charger/maintainer if available.
- 23) Turn ignition to the ON position but DO NOT START THE CAR
- 24) Launch the OnePort user interface software by double clicking on the desktop icon and click "Next>".



25) Click "Next>" again.



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🞇 OnePort-VAG for VAG Version 1.0.0, Build 0238 EXP - 31/12/2017 🛛 🗾 🛁			
Operating system & Computer information :			
	System :	Microsoft Windows 7 32-bit	
ONE		Ultimate Edition	
		Service Pack 1	
	Computer :	AuthenticAMD	
	compater .	Family 18. Model 0. Stepping 0	
		Core Speed @ 1497.30 MHz	
		2553 MB RAM Total , 247 MB Free	
		476837 MB HDD Total , 250838 MB Free	
22	Dower :	AC Power Supply	
19 257	FOWGE .	Ac rower supply	
	-System status : -		
	Core Speed statu	us OK (Over 400 MHz)	
	RAM status OK (	Over 200 MB Free)	
	HDD status OK (	Over 400 MB Free)	
	Power status OK	(AC Power)	
	Please click 'Next' to	o proceed	
	< Back	Next > Close Help ++	
	- Duck		

26) Click "<u>N</u>ext>" one more time.





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27) The OnePort software will attempt to detect your ECU Type.

👫 OnePort-VAG for VAG Ver	rsion 1.0.0, Build 0238 EXP - 31/12/2017	×
ONE	Please make sure your hardware device is connected to the PC side and to the vehicle's diagnostics plug (OBD) on the other side Please make sure ignition switch is set to the 'ON' position and the engine is NOT running !	on one le. he
Identifying ECU	NAME OF TAXABLE PARTY AND ADDRESS OF TAXABLE PARTY.	
	www.hpamotorsport.co	
HPANN	<ul> <li>Testing hardware connection passed</li> <li>Identifying vehicle</li> <li>Verifying license</li> </ul>	
	< Back Next > Close Hel	p ++

28) Please note the red warning at the bottom the page is normal and can be ignored if the ECU type has not been detected.

🚰 OnePort-VAG for VAG Ver	sion 1.0.0, Build 0238 .	EXP - 31/12/2017
ONE PORT	Vehicle information : Detected ECU Type : Vehicle Ident. No. :	Invalid identification
	USB Device information	in :
	USB Device SN :	9431 - End User
	Coded ECU Type :	No ECU type coded
	Coded Ident. No. :	No identification coded
	The system was not ab with this vehicle. Please	le to collect enough information to communicate contact the program vendor for assistance !
	Please click 'Next' to pro	iceed
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29) Select the corresponding ECU type from the pull-down bar at the top of the screen beside "Detected ECU Type". Please choose Bosch MED9.1 (Silver Oak).

Vehicle information : Detected ECU Type : Vehicle Ident. No. : USB Device information USB Device SN : Coded ECU Type : Coded Ident. No. : The system was not able with this vehicle. Please of	Bosch MED9.1 (Silver Oak) Bosch MED9.1.1 (Green Oak) Bosch MED9.1.1 (Green Oak) 2.5L Bosch MED9.1.1 (Green Oak) 2.5L Bosch MED9.1.2 (Green Oak) 2 Bosch MED9.1.2 (Green Oak) 2 Bosch MED1.2 (Green Oak) 2 Bosch MED1.7 (TC1766) Bosch MED17 (TC1767) Bosch MED17 (TC1797) 2 Siemens Simos 8.3 Siemens Simos 8.4 Siemens Simos 8.4 P Siemens Simos 10 x Siemens Simos 18.x
Please click 'Next' to proc	eed Next > Close Help ++

30) You will be prompted to confirm your selection. Click "Yes".

CnePort-VAG for VAG Version 1.0.0, Build 0238 EXP - 31/12/2017
Vehicle information : Detected ECU Type : Bosch MED17 (TC1767)  Vehicle Ident. No. : WAUDFBFR2DA080013 USB Device information :
OnePort-VAG  Are you sure you know better ?  Click 'Yes' to keep your new selection. Click 'No' to restore previous selection. on to communicate for assistance !
Please click 'Next' to proceed
< Back Next > Close Help ++



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The provided and the second se		
	Vehicle information :	
ONE	Detected ECU Type :	Bosch MED17 (TC1767)
PORT	Vehicle Ident. No. :	WAUDF
	USB Device information	in :
é.	USB Device SN :	9431 - End User
	Coded ECU Type :	No ECU type coded
	Coded Ident. No. :	No identification coded
	Clicking the 'Next' button will code your hardware device with the following information : ECU Type : Bosch MED17 (TC1767) Identification number : WAUDFBFR2DA080013 Please verify these details are correct	
Please click fivext to proceed		
	< Back	Next > Close Help ++

- 31) You will then be prompted with a dialog box asking for further confirmation. Click "Yes".
- 32) At the "Function" screen click on "Program ECU Memory".
- 33) Select the tuned file provided by HPA and click "Open".
- 34) The "Programming ECU memory..." status screen will appear and the process can take up to 15 minutes
- 35) Some ECU versions will tell you to turn the ignition off and then back on. At this point follow the prompts and perform the toggle of the ignition. After you turn the key back on, the cooling fan will begin to run. Do not be alarmed, this is part of the process. This is the reason the car's battery should be at full charge or on a maintainer before attempting the flashing process.
- 36) When the process is complete you will prompted to turn off the ignition, and then click the "Ignition is OFF" button.
- 37) The software will scan your ECU to confirm that the programming was successful.
- 38) Remove key from ignition and disconnect the cables from the OBDII port.
- 39) Start your car and enjoy your new flash!