

## HPA OnePort Flashing Instructions for MED17 ECU

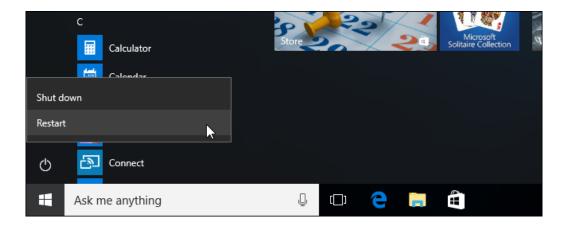
Congratulations on your purchase of the HPA OnePort flashing device. This compact OBD II dongle gives you the power to flash HPA software tunes to your ECU quickly and easily.

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

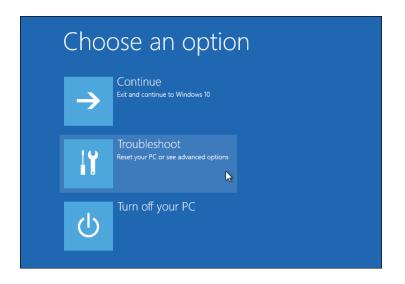
http://www.hpamotorsports.com/downloads/OnePort-VAG/

# 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.



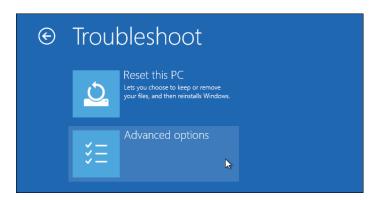
2) Select the "Troubleshoot" tile on the Choose an option screen that appears.



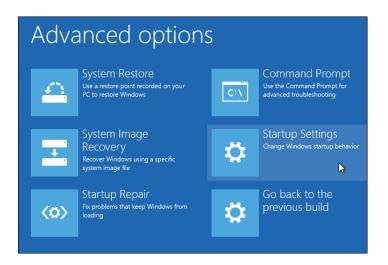


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3) Select "Advanced options".



4) Click the "Startup Settings" tile.



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





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

Sta	rtup Settings
Press	a number to choose from the options below:
Use nun	nber keys or functions keys F1-F9.
1) Ena	ble debugging
2) Ena	ble boot logging
3) Ena	ble low-resolution video
4) Ena	ble Safe Mode
5) Ena	ble Safe Mode with Networking
6) Ena	ble Safe Mode with Command Prompt
7) Disa	able driver signature enforcement
8) Dis	able early launch anti-malware protection
9) Dis	able automatic restart after failure
Press	F10 for more options
Press	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) Plug the OnePort Dongle into a USB port on your laptop.
- 2) Download and Run the OnePort-VAG installation file on your laptop.
- 3) Follow the instructions throughout the Setup Wizard



4) For Windows 7-10, you will receive a security message, you must select the option "Install this driver software anyway" enable for the program to work. If you do not see this message, you will need to repeat steps 1-7 above.



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

## Step 2) Find your ECU Box code

- 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



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5) Launch the OnePort user interface software by double clicking on the desktop icon and click "Next>".



6) Click "Next>" again.





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



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





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.

ConePort-VAG for VAG Ver	sion 1.0.0, Build 0238 .	EXP - 31/12/2017
	Vehicle information : - Detected ECU Type : Vehicle Ident. No. :	Invalid identification
	USB Device information	n :
6	USB Device SN :	9431 - End User
	Coded ECU Type :	No ECU type coded
	Coded Ident. No. :	No identification coded
		le to collect enough information to communicate contact the program vendor for assistance !
	riddo oliok next to pro	
	< Back	Next > Close Help ++

- 10) Select the corresponding ECU type from the pull-down bar at the top of the screen beside "Detected ECU Type". ECU type selection will be as follows:
  - a. Vehicle model year 2009-2010: "Bosch MED17 TC1766"
  - b. Vehicle model year 2011-2014 "Bosch MED17 TC1767"
  - c. Audi A4/A5/Q5 2.0T: "Bosch MED17.1.1 UDS TC1796"
  - d. Audi 4.0T: "Bosch MED17 TC1797"

OnePort-VAG for VAG Ver	rsion 1.0.0, Build 0238	EXP - 31/12/2017	x
	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		
	Please click 'Next' to proc	eed	
	< Back	Next > Close Help	**



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

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

12) Click "<u>N</u>ext>" at the following screen where it asks you to code the device.

OnePort-VAG for VAG Ve	ersion 1.0.0, Build 0238	EXP - 31/12/2017
ONE PORT	Vehicle information : Detected ECU Type : Vehicle Ident. No. :	Bosch MED17 (TC1767)
	USB Device information	on :
6	USB Device SN :	9431 - End User
	Coded ECU Type :	No ECU type coded
	Coded Ident. No. :	No identification coded
	Clicking the 'Next' button following information : ECU Type : Bosch MED Identification number : V	
HPANN	Please verify these det	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".

following info	Vehicle information : Detected ECU Type : Vehicle Ident. No. : USB Device information you would like to code	Bosch MED17 (TC1767) WAUDFBFR2DA080013	
	Please click 'Next' to prov	Yes No	
	< Back	Next > Close He	elp ++

14) At the "Function" screen, take a screenshot of the information and email it to <u>sales@hpamotorsport.com</u> along with your full name and mod list. The screen should look like this:

26262626262	Identification details :	
2202202020202	ECU Type : Bosch MED17 (TC	1797)
ONE	Vehicle Manufacturer Ecu Hard	ware Number : 4G0906014E
PURIT	Vehicle Manufacturer Ecu Softv	vare Version Number : 0006
	System Name Or Engine Type :	4 0I V8TFSI
	Vehicle Identification Number :	WAUF2AFC2DN092018
	Contraction of the second seco	
No.		
	Calbration options :	Diagnostic options :
	Read ECU Memory	Diagnostics
	Program ECU Memory	Data Logging
HEAN		Extra options :
	Recover ECU Memory	Software options



## Step 3) Writing Your ECU

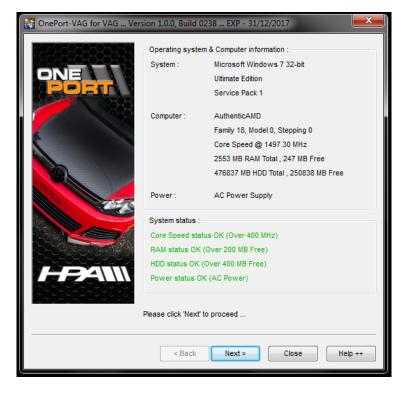
- 1) After receiving via email your tune file from HPA save it to a location you can remember.
- 2) Connect the USB cable directly to an available port on your and connect the other end to the OnePort dongle.
- 3) Plug the OnePort dongle into the OBDII port on your car.
- 4) Make sure both your laptop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





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



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



Z:\HPA MOTORSPORTS INC\PRODUCTS\ECU Flashing\OnePORT-Med17 Instructions.pdf



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



10) 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	Vehicle information : Detected ECU Type : Vehicle Ident. No. :	Invalid identification
	USB Device information	on :
	USB Device SN :	9431 - End User
	Coded ECU Type :	No ECU type coded
	Coded Ident. No. :	No identification coded
	with this vehicle. Please	ile to collect enough information to communicate a contact the program vendor for assistance !
	Please click 'Next' to pro	oceed
	< Back	Next > Close Help ++



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- 11) Select the corresponding ECU type from the pull-down bar at the top of the screen beside "Detected ECU Type". ECU type selection will be as follows:
  - e. Vehicle model year 2009-2010: "Bosch MED17 TC1766" (1.5 Mb file)
  - f. Vehicle model year 2011-2014 "Bosch MED17 TC1767" (2.0 Mb file)
  - g. Audi A4/A5/Q5 2.0T: "Bosch MED17.1.1 UDS TC1796"
  - h. Audi 4.0T: "Bosch MED17 TC1797"

OnePort-VAG for VAG Ve	rsion 1.0.0, Build 0238	EXP - 31/12/2017
	Vehicle information : Detected ECU Type : Vehicle ident. No. : USB Device information USB Device SN : Coded ECU Type : Coded ECU Type : Coded Ident. No. : The system was not able with this vehicle. Please of	Siemens Simos 8.4 P Siemens Simos 10.x Siemens Simos 18.x
	Piease click Next to proc	
	< Back	Next > Close Help ++

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

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



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13) At the "Function" screen, click on "Software Options" 14)

23232323232323	Identification details :	
99097070707020	ECU Type : Bosch MED17 (TC	1797)
DNE	Vehicle Manufacturer Ecu Hard	ware Number : 4G0906014E
PORT	Vehicle Manufacturer Ecu Software Version Number : 0006	
	System Name Or Engine Type :	4 0I V8TFSI
	Vehicle Identification Number :	WAUF2AFC2DN092018
	1.000	
100		
	Calibration options :	Diagnostic options :
	Read ECU Memory	Diagnostics
	Program ECU Memory	Data Logging
HEAN		Extra options :
	Recover ECU Memory	Software options

- 15) In the software options screen click the "Force Program ECU Memory" checkbox and click "OK"
- 16) Back at the "Function" screen click on "Program ECU Memory"
- 17) Select the tuned file provided by HPA and click "Open". In the case, you selected "Bosch MED17 TC1767", if you receive an error "Unable to Import File", please go back to step 11 but select "Bosch MED17 TC1796" instead.
- 18) The "Programming ECU memory..." status screen will appear and the process can take up to 15 minutes
- 19) 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.
- 20) When the process is complete you will prompted to turn off the ignition, and then click the "Ignition is OFF" button.
- 21) The software will scan your ECU to confirm that the programming was successful.
- 22) Remove key from ignition and disconnect the cables from the OBDII port.
- 23) Start your car and enjoy your new flash!