

Manual download software in VSE ECU





Manual download software In ETS ECU



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Revision history

No.	Status	Date	Author	Change
01.A		19.12.2013	JBS	initial release

Released by	Date

In the interest of continuous product development V.S.E. Vehicle Systems Engineering B.V. reserves the right to make changes to its systems and products at any time without prior notice.

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Preface

This document is a guide for downloading software in a VSE ECU (Electronic Control Unit) using a dedicated VSE download tool.



This documentation also contains references to other documents, such as specifications, manuals, diagrams, etc. These documents can be found on your personal login page on our website <u>www.v-s-e.com</u>. These documents are marked with this symbol.



- 1. Plug the USB-converter cable in your computer and install it. You also received a CD-ROM with the cable.
- Change the COM-port number of your USB-connector from your computer in COM1 or COM2 or COM3 or COM4 (always use the same USB port on your computer! You cannot use another port) You can use the following link to change the COM port number: <u>http://www.reslers.de/IBUS/port.html</u>
- 3. Install ST10 Flasher. 🔯
- 4. Connect the parts and wires as shown in picture 1. The 4-pin DIN connector in the middle of the picture must be connected to the connection "Diagnose" inside the ETS locker.



Picture 1: connecting parts

5. Make sure the trailer has ignition power



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6. Start the ST10 flasher program; the main dialog box opens (picture 2).

File Config Dump About Target Cpu: ST10F269 Frequency (MHz): 23,837 Misc : Kline Status Com Port : COM1 9600,N,8,1 Status Com Port : OK Initializing ST10Flasher.dll Initializing ST10Flasher.dll Initializing ST10Flasher.dll File to program *LOAD MONITOR>OK		UM
Target File to program Flash ope Cpu: ST10F269 Blank Frequency (MHz): 23,837 Nohexfile loaded, no info Misc : Kline Erase Status Com Com Com Port : COM1 9600,N,8,1 Set Port Monitor : OK Beload Monitor Initializing ST10Flasher.dll Init COM1 at 9600 bauds *LOAD MONITOR>OK Set Port		
Frequency (MHz): 23,837 Misc : Kline Status Con Com Port : COM1 9600,N,8,1 Monitor : OK Initializing ST10Flasher.dll Init COM1 at 9600 bauds *LOAD MONITOR>OK	erations kCheckProgram & Verify	
Status Com Port: COM1 9600,N,8,1 Monitor: OK Initializing ST10Flasher.dll Init COM1 at 9600 bauds *LOAD MONITOR>OK	e Flash 🔽 Erase before Prg 🔽 Auto Erase	
Com Port: COM1 9600,N,8,1 Monitor: OK Initializing ST10Flasher.dll Init COM1 at 9600 bauds *LOAD MONITOR>OK	mpare	
Monitor: OK Reload Monitor Get S Initializing ST10Flasher.dll Init COM1 at 9600 bauds *LOAD MONITOR>OK	ump 🔽 SetRomS1	
Initializing ST10Flasher.dll Init COM1 at 9600 bauds *LOAD MONITOR>OK	Status	

Picture 2: main dialog box

7. Click on "Set Port"; the serial port dialog box opens (picture 3).

😂 Serial port		
Com Port 9600	Initialize Port	Actions Save as default
 Com 1 Com 3 Com 2 Com 4 		Close Port Send Null char
Reload Monitor	Cancel	Apply

Picture 3: serial port



- 8. Select the COM-port where you connected the USB-Serial convertor. COM1 or 2 or 3 or 4 . Always the same port.
- 9. Change the COM-port speed in 57600 and click Apply.

🗟 Serial port		×
Com Port 57600 Com 1 Com 3 Com 2 Com 4	Initialize Port	Actions Save as default Close Port Send Null char
Reload Monitor	Cancel	Apply

Picture 4: change port speed

- 10. Click in the main screen on RELOAD MONITOR.
- 11. Both status control lights (COM PORT and MONITOR) should be green (picture 4).

Target Cpu: ST10F269 Frequency (MHz): 23,837 Misc: Kline	File to program A07712_V1_3_0_ Size = 253952 bytes. Programming time = 45 s. Block(s): 0, 1, 3, 4, 5, 6	CP Flash operations ElankCheck Erase Flash Compare	Program & Veri
Com Port : 🔵 COM1 57600,N,8,1	Set P <u>o</u> rt	Dump	SetRomS1
Monitor : 😑 OK	<u>R</u> eload Monito	or Get <u>S</u> tatus	
Init COM1 at 9600 bauds *LOAD MONITOR>OK *			
Init COM1 at 9600 bauds *LOAD MONITOR>OK * *LOAD HEXFILE:F:\Vrijgegev *FILE INFO FOR FILE:A07712_	en\Software\A07712_V _V1_3_0_cpl.hex	/1_3_0_cpl.hexSet o	com parameters:C4
Init COM1 at 9600 bauds *LOAD MONITOR>OK * *LOAD HEXFILE:F:\Vrijgegev *FILE INFO FOR FILE:A07712 Size = 253952 bytes. Programming time = 45 s. Block(s): 0, 1, 3, 4, 5, 6	en\Software\A07712_V _V1_3_0_cpl.hex	/1_3_0_cp1.hexSet (com parameters:C
Init COM1 at 9600 bauds *LOAD MONITOR>OK * *LOAD HEXFILE:F:\Vrijgegev *FILE INFO FOR FILE:A07712 Size = 253952 bytes. Programming time = 45 s. Block(s): 0, 1, 3, 4, 5, 6	en\Software\A07712_V _V1_3_0_cpl.hex	/1_3_0_cpl.hexSet o	com parameters:Cl



- 13. Select in the main screen "FILE TO PROGRAM" and choose the .hex file you want to load in the ECU.
- 14. Click on "PROGRAM & VERIFY" to download the software to the ECU.



5T10 Flasher tool				
Target Cpu: ST10F269 Frequency (MHz): 23.837 Misc: Kline Status Com Port: OCM1 57600,N,8 Monitor: OK	File to progra A07 Size = 25395 Programming Block(s): 0, 1	m 712_V1_3_0_cp 2 bytes. time = 45 s. 3, 4, 5, 6 Set Port <u>R</u> eload Monitor	Flash operations <u>B</u> lankCheck <u>E</u> rase Flash <u>C</u> ompare Dump <u>Get S</u> tatus	Erogram & Venity Erase before Prg ✓ Auto Erase ■ SetRomS1
Initializing ST10Flasher Init COM1 at 9600 bauds *LOAD MONITOR>OK * *LOAD MEXFILE:F:\Vrijgeg *FILE INFO FOR FILE:A077 Size = 253952 bytes. Programming time = 45 s. Block(s): 0, 1, 3, 4, 5, *PROGRAM FLASH MEMORY	.dll reven\Softwa 12_V1_3_0_c 6 >0K	we\ ā07712_V1_3_ ÿl.hex	0_cpl.hexSet com	a parameters:COM

Picture 5.

- 15. At the end you will see PROGRAM "FLASH MEMORY OK" (picture 5)
- 16. The software is now loaded in the ECU.
- 17. Check you installed the right software with the Diagnose Display (picture 6). Go to MAIN MENU > ECU INFO > GENERAL INFO, behind ECU SW: you should see the software you installed.



Picture 6: Diagnose display

