

SIMON TOUCH

www.keyprogtools.com



NEC MOTOROLA IR KEY PROGRAMMER



Overview

This software and accompanied drivers are intended for educational Purposes only and its use is sole liability of user. All further consequences of Any other possible device use is subject of user's choice and responsibility.

The drivers, provided are original Cypress® info-file and original Cypress® library files, which compatibility to Your current operating system is subject of Cypress® technical notes and bulletins. Any further questions of misbehaved Cy USB-library to be forwarded to Cypress® Support Desk.

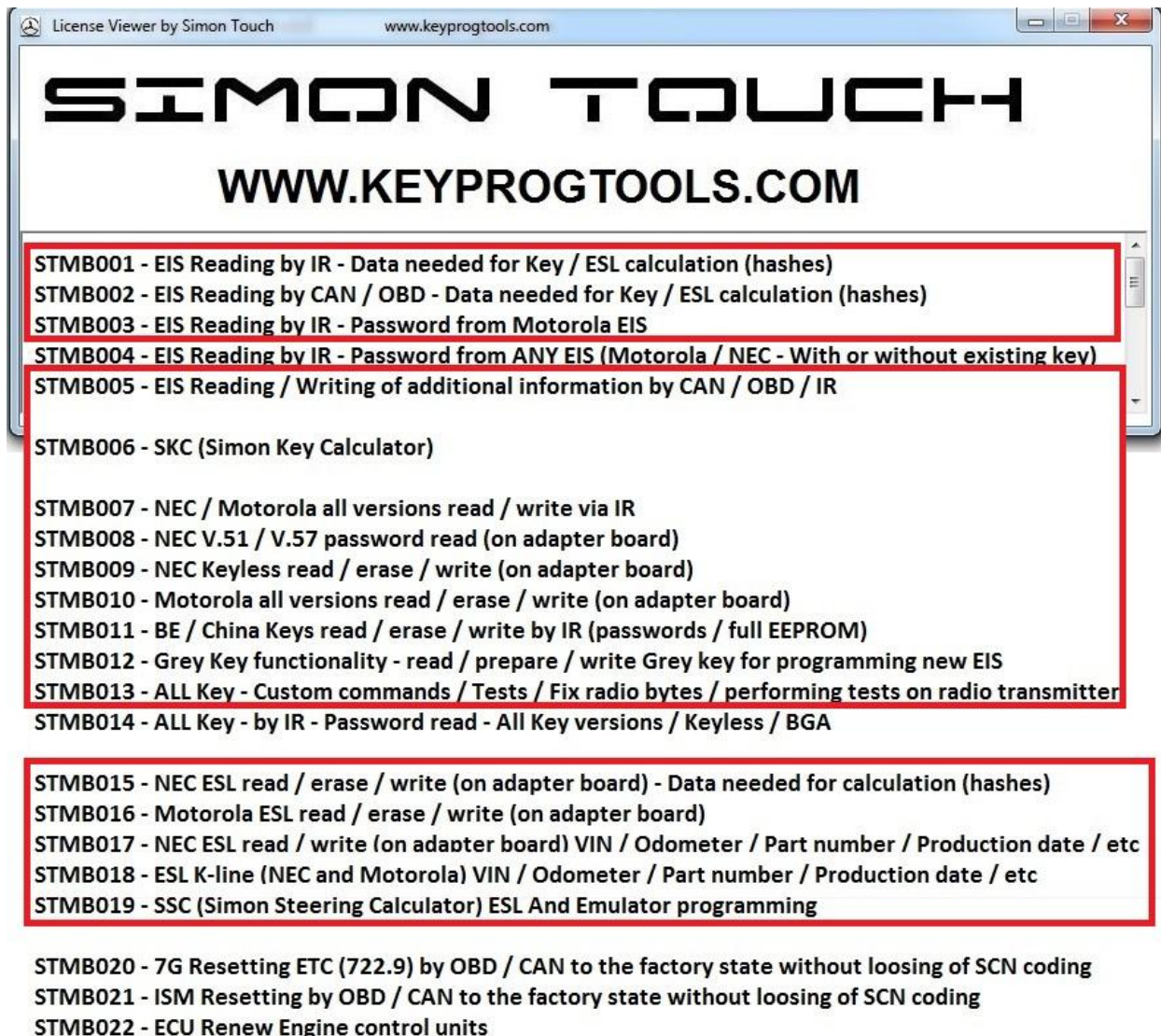
Hardware serial number is visible in Windows in "My Computer" / "Properties" / "Hardware" / "Device Manager" - selecting the device - "Properties" / "Details" / "Device Instance id" and Serial Number (8 digits and/or characters) is shown after VID and PID of the interface hardware. The method, described above may vary, depending on exact operation system you are using, but in general is the same. This unique serial number eases identification of your hardware in manufacturer database, providing you corresponding initial software and further updates.

Hardware contains Lithium battery for backing up the critical data for Supporting its functionality. Do not use / store the device in extreme Temperatures or inappropriate humidity or another operational conditions, as this could lead to big leakage currents, shortening battery life. Consult Lithium-battery specifications for proper storage and usage. In any case it is good idea to have device connected and powered by USB port or another external compatible +5V DC source for prolonging battery lifespan.

Device can repair and learn an Extra key for all MB EIS Types.

Function STMB004 Can read the password direct from Motorola EIS types with and WITHOUT WORKING KEY.

Function STMB014 Can read the password direct from NEC/Motorola EIS All versions/ all types /all NEC Versions/BGA and Keyless.



Device can read 70/90% from Motorola EIS with HC08 Micro, 20% from Motorola EIS with HC12 Micro.

Program keys for HAVANA/ AMAZONAS PALERMO... EIS with black or chrome key Version 51/57.

- * Device read the EIS/EZS via IR/OBD/CAN AND K-Line.
- * Renew and program all NEC key versions like V11/21/V28/35/41/51/40/57.
- * Car (WITH NEC EIS) That has no keys at all or has new BGA key, device create Grey key to program NEW EIS.
- * Activate/Deactivate/Personalize/Enable and disable keys via IR/K-Line.

To program a key in the car.



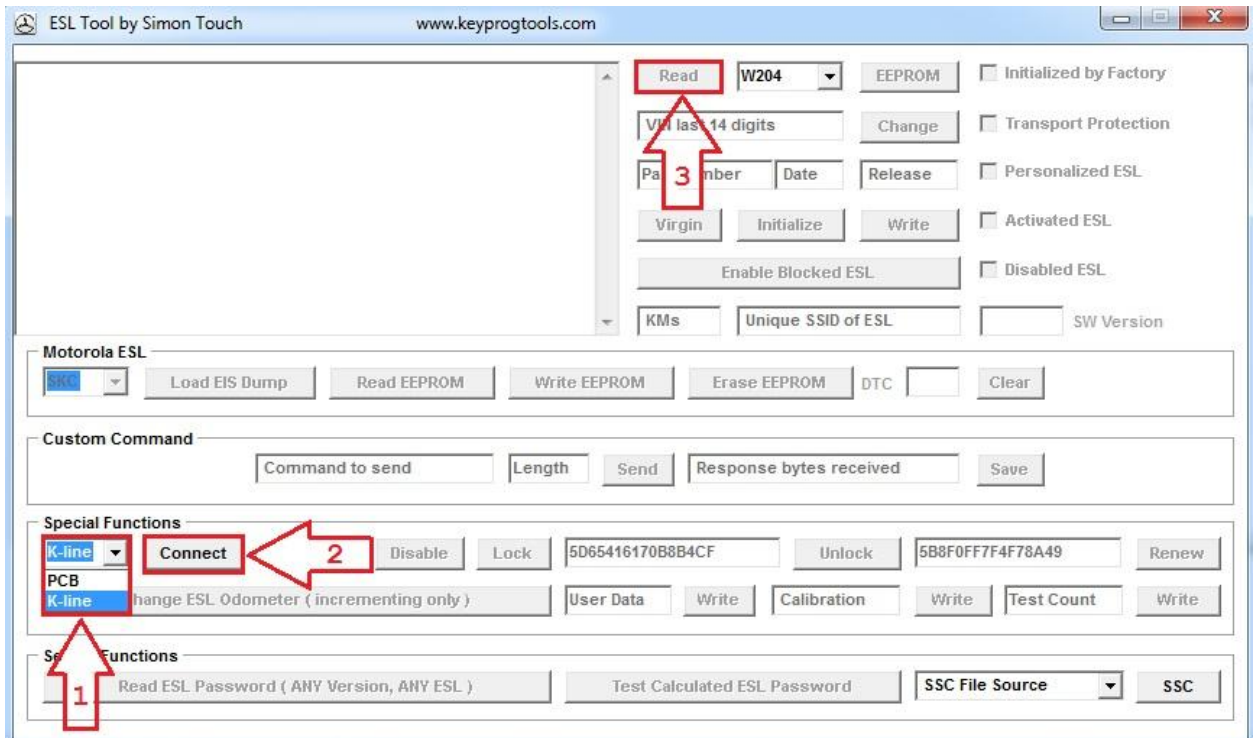
Or on table, Via IR/ OBD or Can.



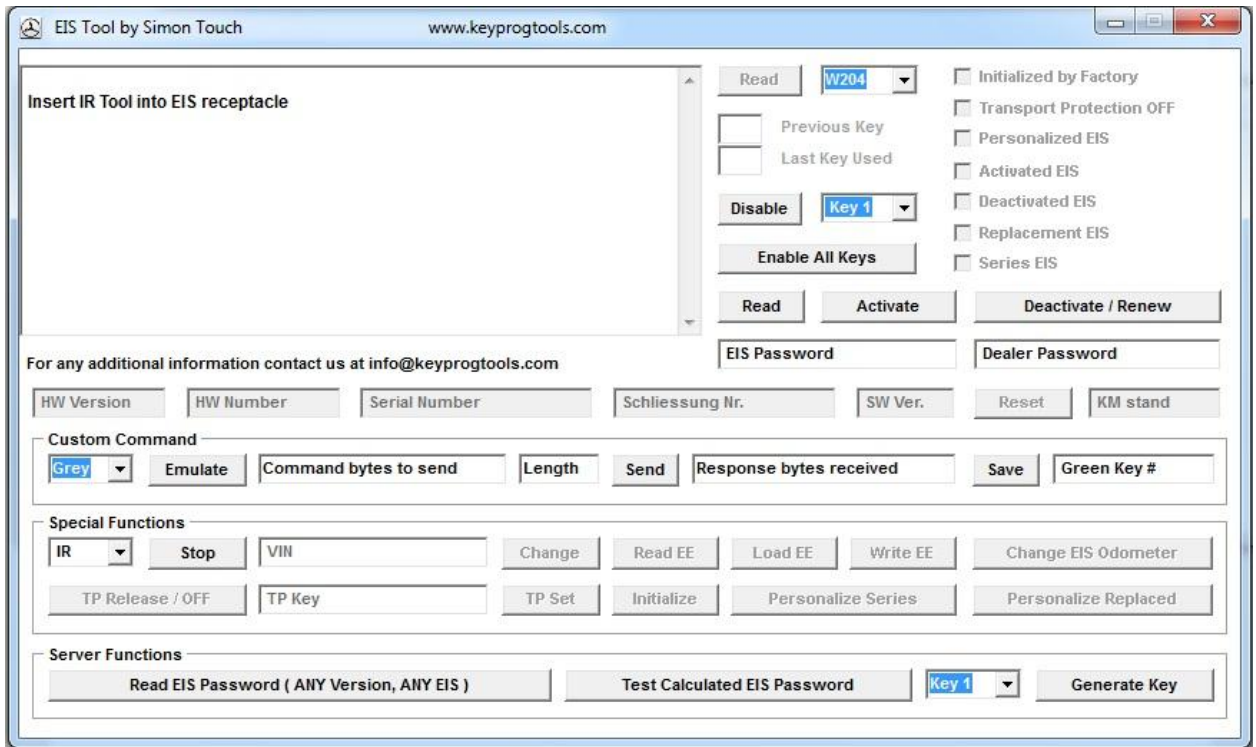
1- Open the ALL IN ON MB Software and select EIS.



2- Select IR, Connect, you can select the car type or keep it on 204 as AutoDetect.

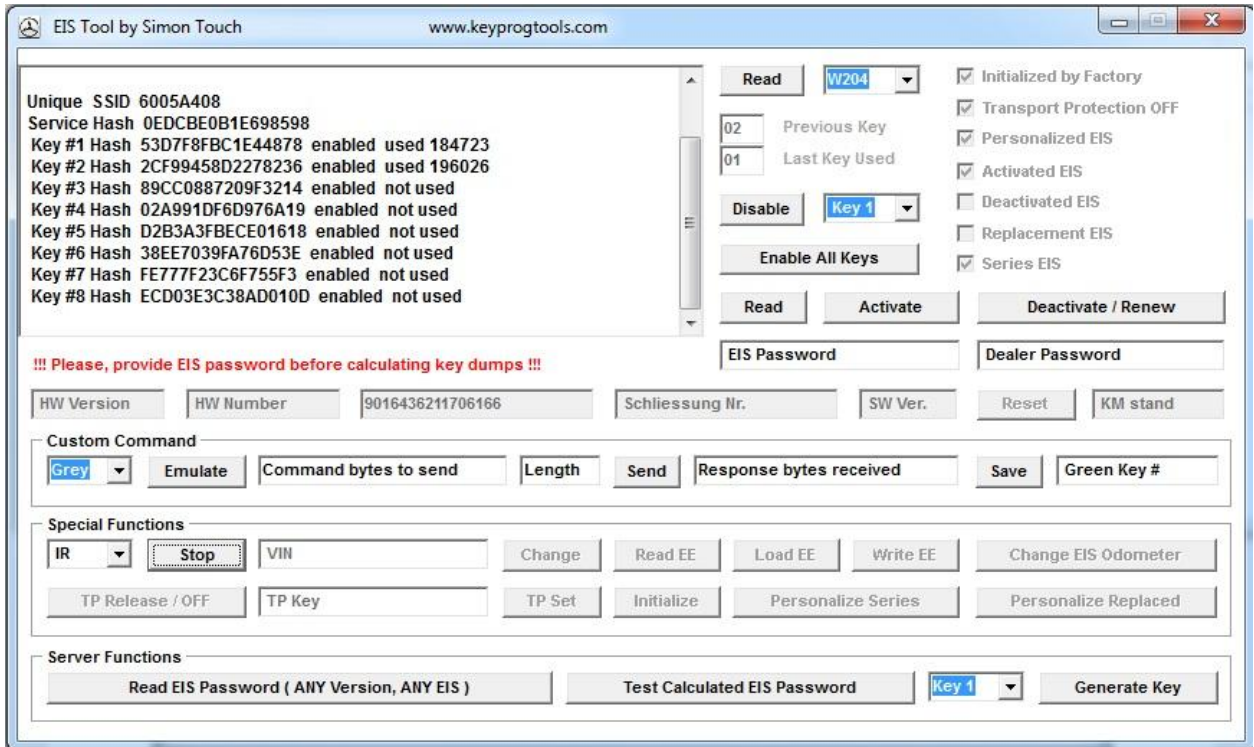


3- Click on read.

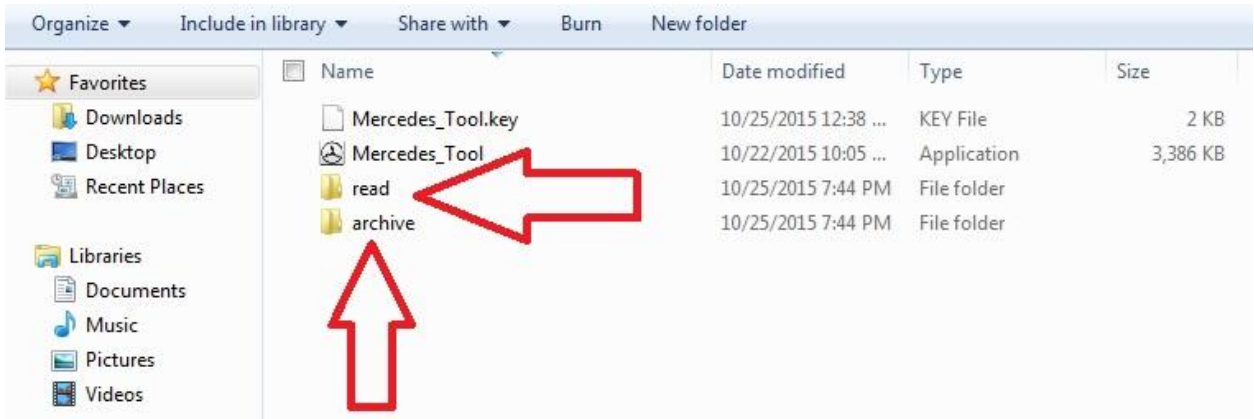


- 4- Insert the IR Key into the EIS, device will read the EIS SSID and Hashes in Seconds.





5- Device will automatically create a folder name READ and save the EIS dump in it.



6- In READ folder you will see two dumps, one for universal key calculation device and one for SKC, the two dumps missing the key password, if you don't read the key password, device will create default password BC 3F 04 4D B1 3B 50 43

So you can use this dump to program a new EIS.

Name	Date modified	Type	Size
781EC31A	10/25/2015 7:46 PM	BIN File	1 KB
781EC31A_SKC	10/25/2015 7:46 PM	BIN File	1 KB

You will see two dumps in READ FOLDER
 Dump marked in Blue is for universal key generator
 Dump marked in Red is for SKC Key generator
MISSING THE KEY PASSWORD!!!

7- If you have function STMB004 You can read the password direct from the EIS, by clicking the second read button, wait till the device extract the EIS password and automatically save in Read folder so the EIS Dump will be ready to calculate key and program it VIA IR or in Ziff socket (section 8 -9)

EIS Tool by Simon Touch www.keyprogtools.com

Key #1 Hash 883534A6896EDDCB disabled used 0
 Key #2 Hash 99F09EC5AC81284B enabled used 0
 Key #3 Hash 2491B51225212418 enabled used 0
 Key #4 Hash 97CD4785E33C8ADD enabled not used
 Key #5 Hash F8389D5E11BC6EEE enabled not used
 Key #6 Hash 42C92C76C44FD56C enabled not used
 Key #7 Hash 8AC57C3628AF0EF3 enabled used 985030
 Key #8 Hash 1E5589BD11EBAF50 enabled used 804781

Preparing Reading

Read W204
 Previous Key 08
 Last Key Used 07
 Disable Key 1
 Enable All Keys
 Read Activate Deactivate / Renew

For any additional information contact us at **EIS PASSWORD** FC648EAC6383814E Dealer Password

HW Version HW Number 5006149250206145 Schliessung Nr. SW Ver. Reset KM stand

Custom Command Grey Emulate Command bytes to send Length Send Response bytes received Save Green Key #

Special Functions
 IR Stop VIN Change Read EE Load EE Write EE Change EIS Odometer
 TP Release / OFF TP Key TP Set Initialize Personalize Series Personalize Replaced

Server Functions
 Read EIS Password (ANY Version, ANY EIS) Test Calculated EIS Password Key 1 Generate Key

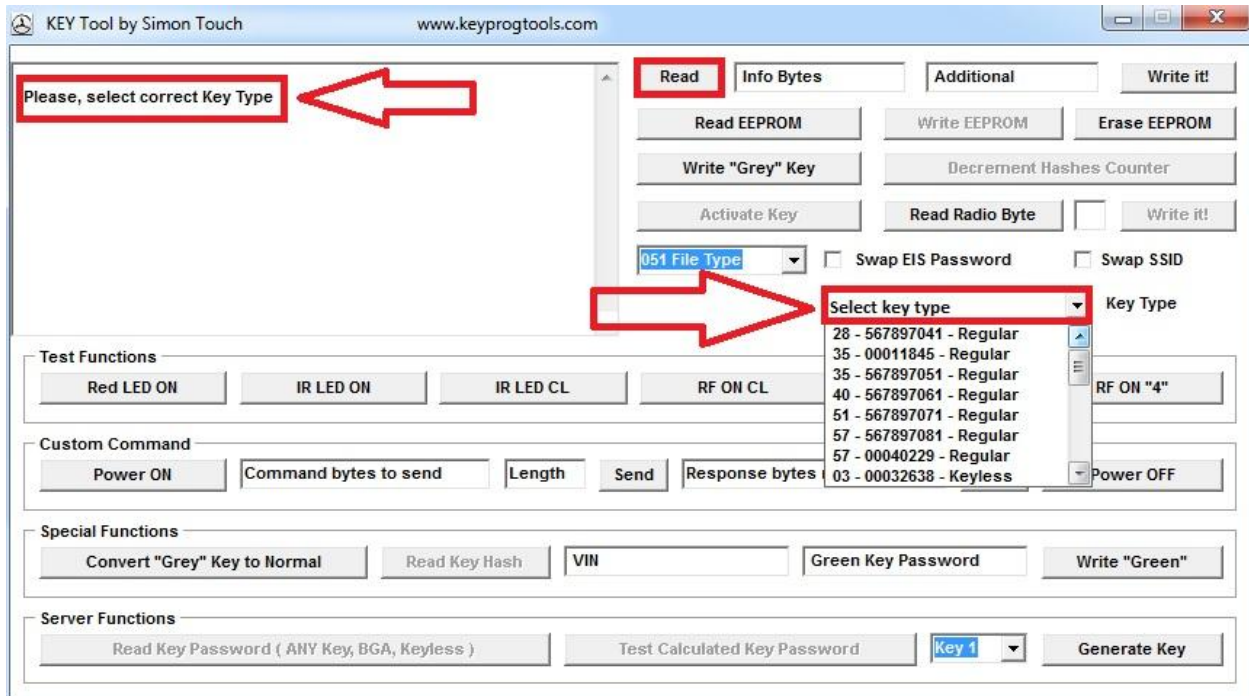
- 8- If you don't have function STMB004 , the job is done missing the key password, you can remove the IR key, Open the original working key, clean the NEC with solvent and DESOLDER it with hot air.
- 9- First plug the USB cable in your pc plug the MB NEC socket in the device then plug the MB NEC device in your PC, make sure that the NEC Is clean and on the right position.



10 – Open the ALL IN ONE MB Software and select KEY.

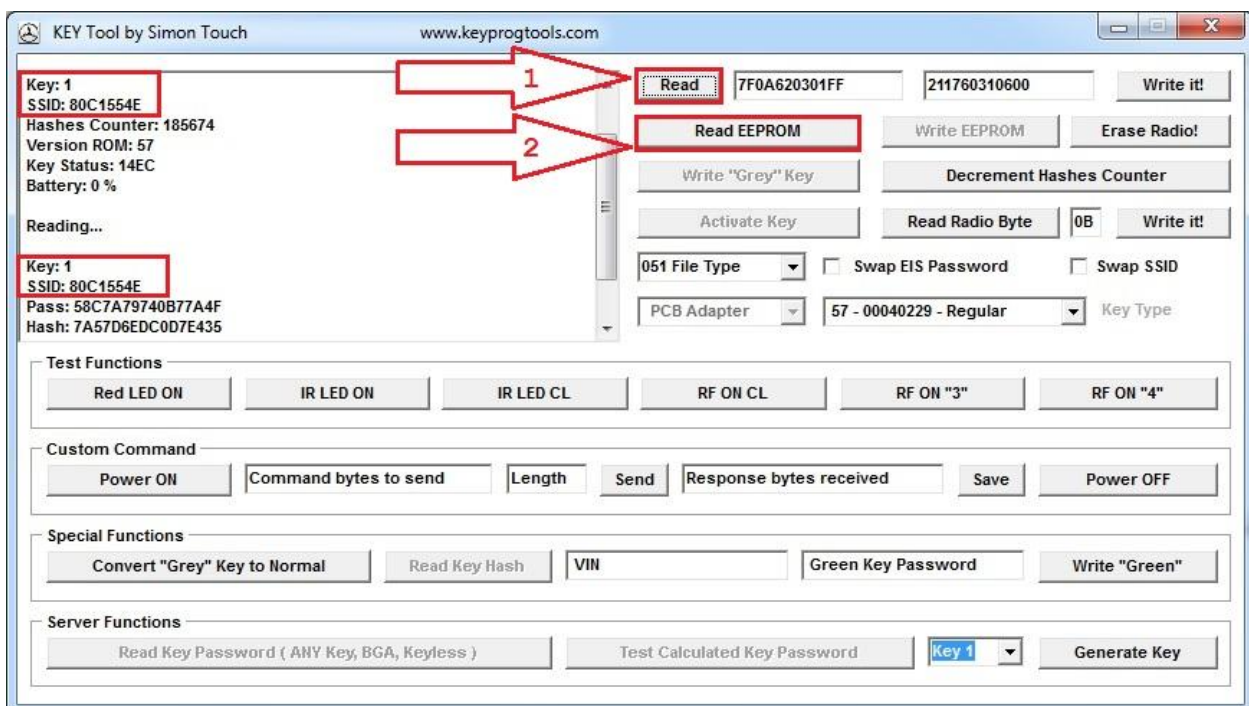


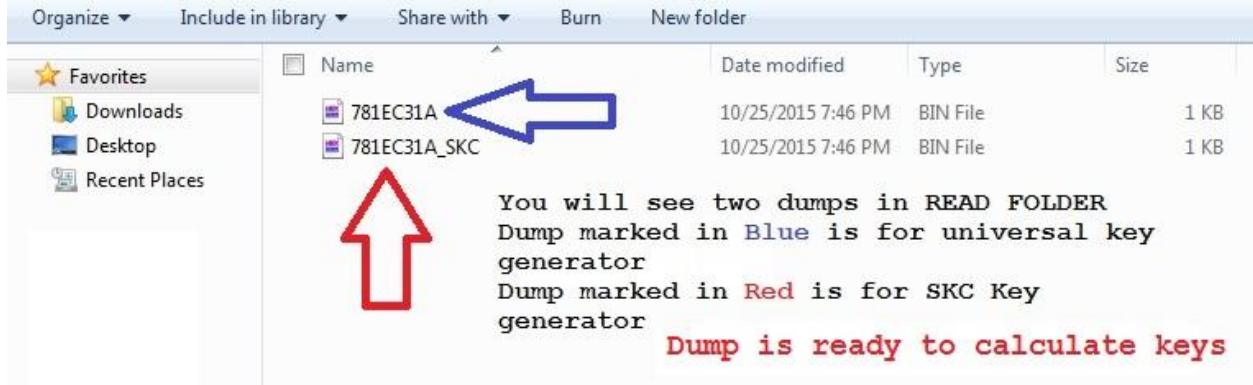
11 – Click on read, device will READ the key number, SSIS, Key Version and Key Status.



12 – Click on READ EEPROM, device will take 10 to 20 seconds to read the password and it will automatically save the password in Read folder.

Key number and SID must be identical, NEC must be cleaned with solvent.

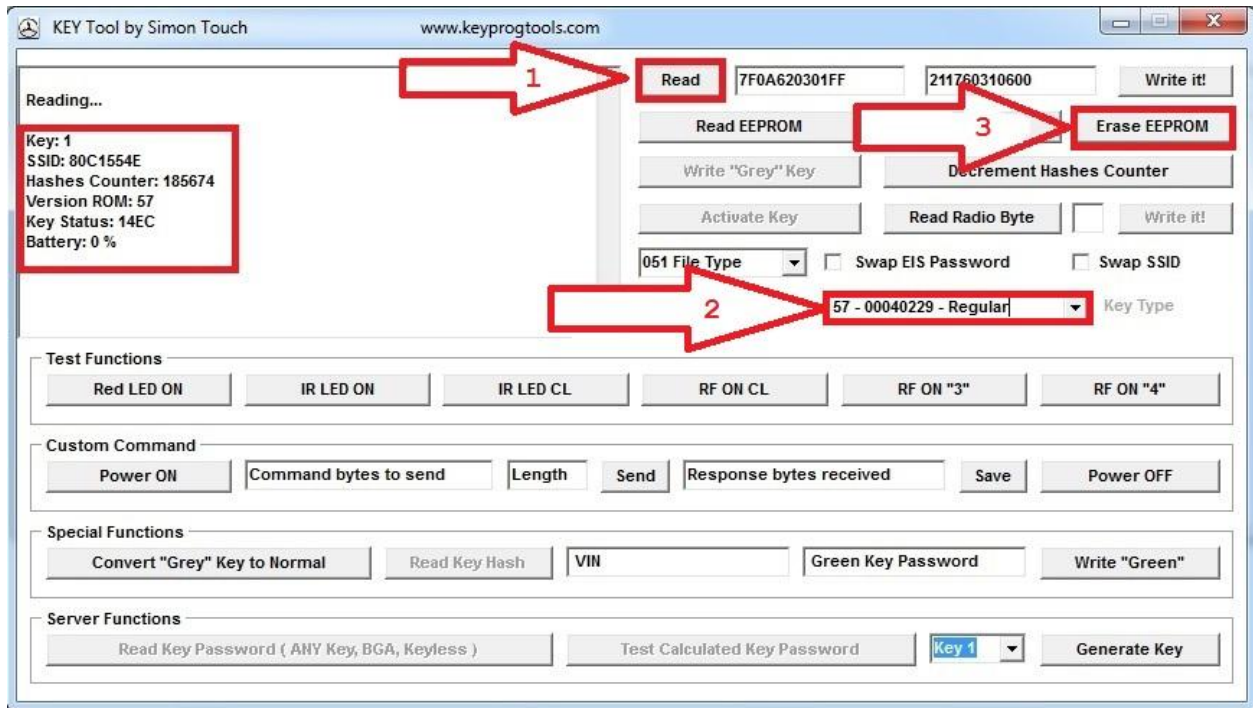


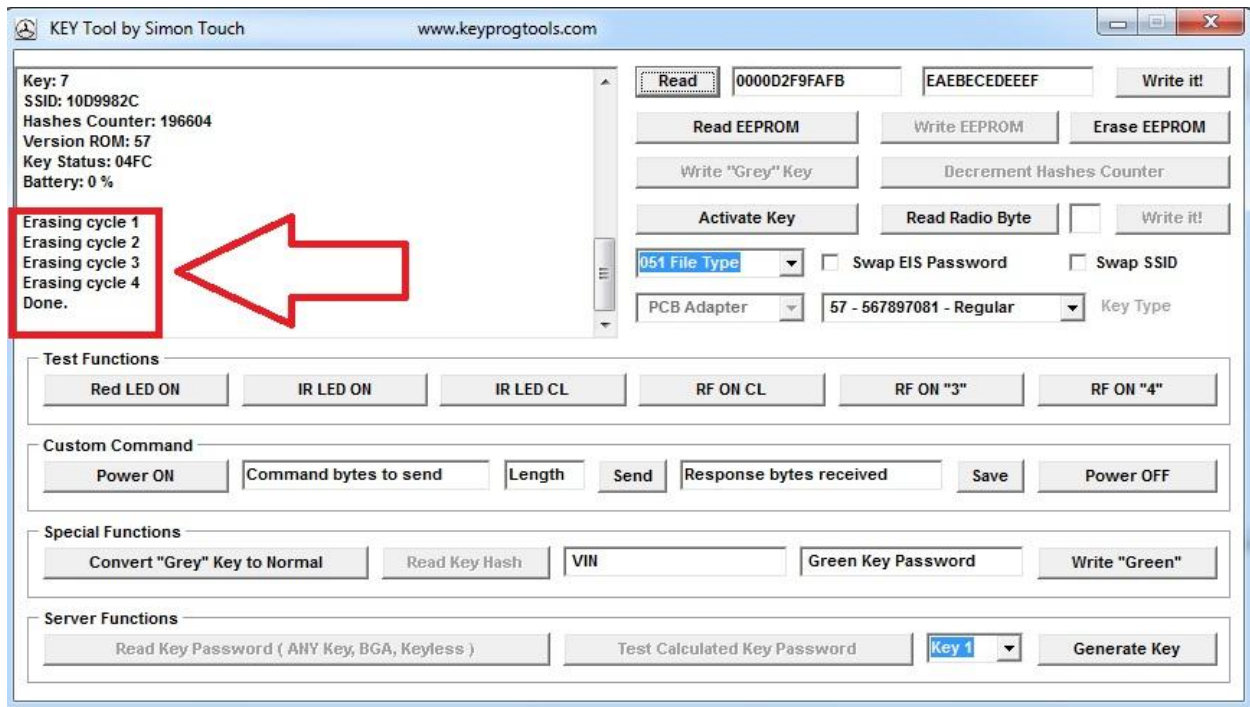


EIS Dump will be ready to calculate key and program it VIA IR or in Ziff socket or use the dump to program an Emulator or ESL/ELV.

13 – Calculate keys.

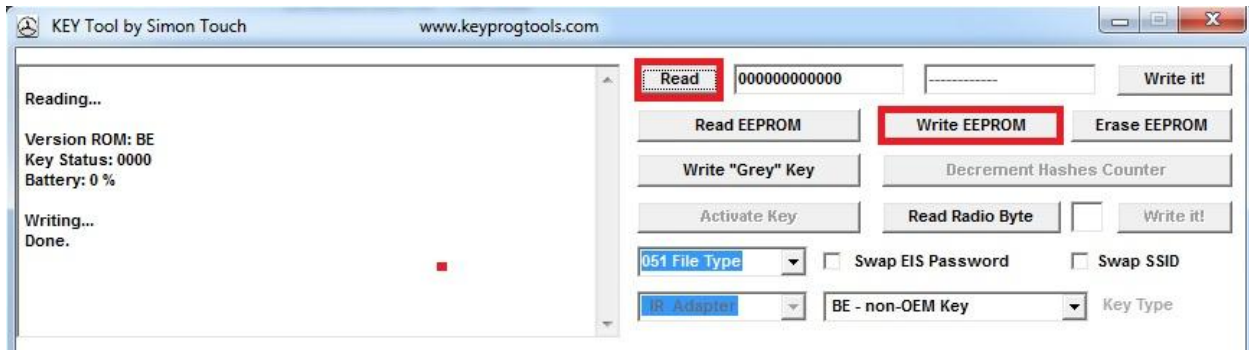
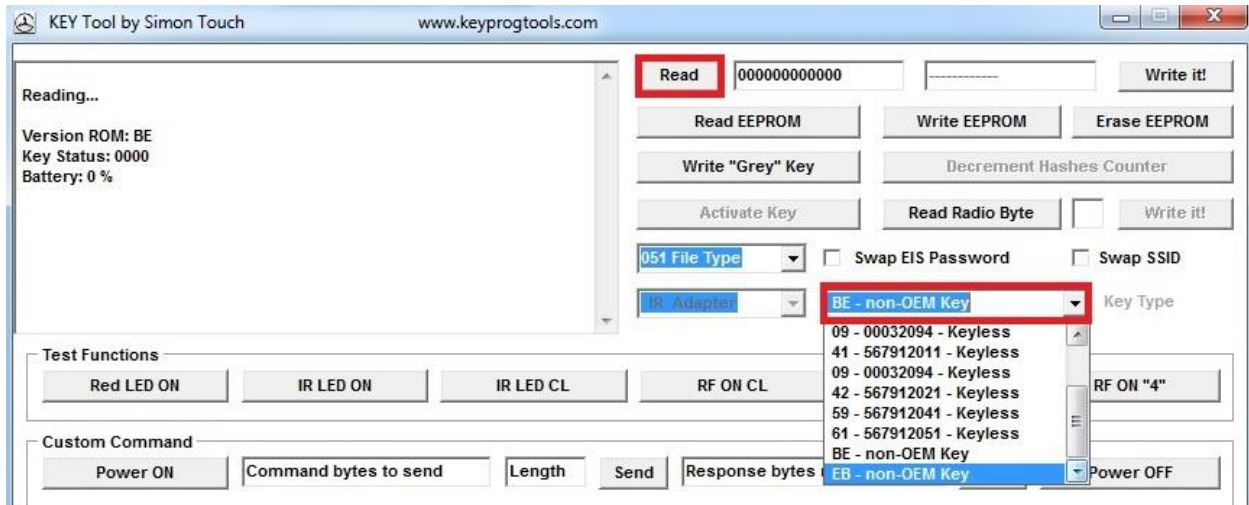
14 – Put any used NEC in the Ziff socket, click on read, select the NEC Version and erase the NEC.

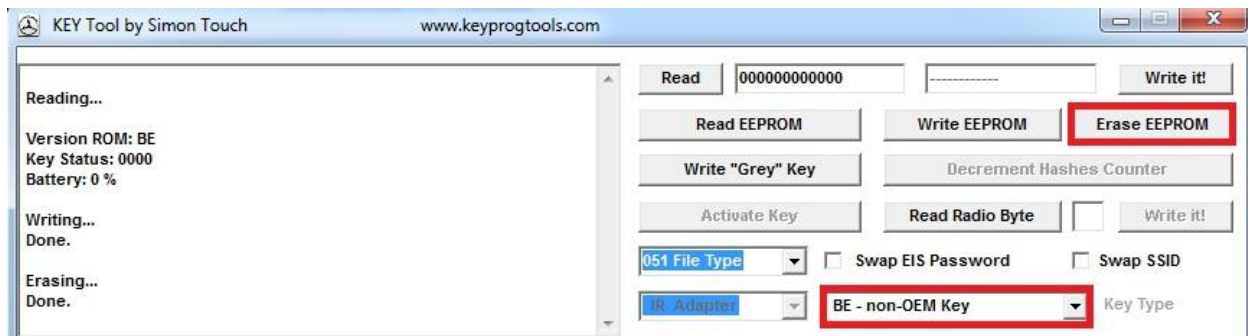




15 – Click one read, device will show you the erased NEC status, click on write Load the SKC calculated key dump, you can check and fix the NEC radio bytes. Remove and solder the NEC in the key, insert the key into the EIS, the key led will goes on and off for a second, start the car.

16 – Function STMB011 (IR PROGRAMMER) Can program new original key or renewed key, Erase and program all BE/EB/A1 and China key all versions Via IR.





17 – Device can renew and program any used NEC /Motorola using the Ziff Socket like V11/21/V28/35/40/41/51/57, Can check the Key Radio Bytes and fix it.

“Key Status” - hexadecimal representation of internal operational state.

**0000 – MB Key is blank (erased state of Key after production).
21DF – MB Key is prepared (Key accepts only encrypted data).
04FC – MB Key is programmed, but not activated.
05FB – MB Key is programmed, but not activated.
14EC – MB Key is activated and fully functional.
15EB – MB Key is activated and fully functional.
0CF4 – MB Key for service (so called “Green Key, Orange key.....”)**

You could also read internal EEPROM data by clicking “Read EEPROM Bytes”

Enjoy 😊