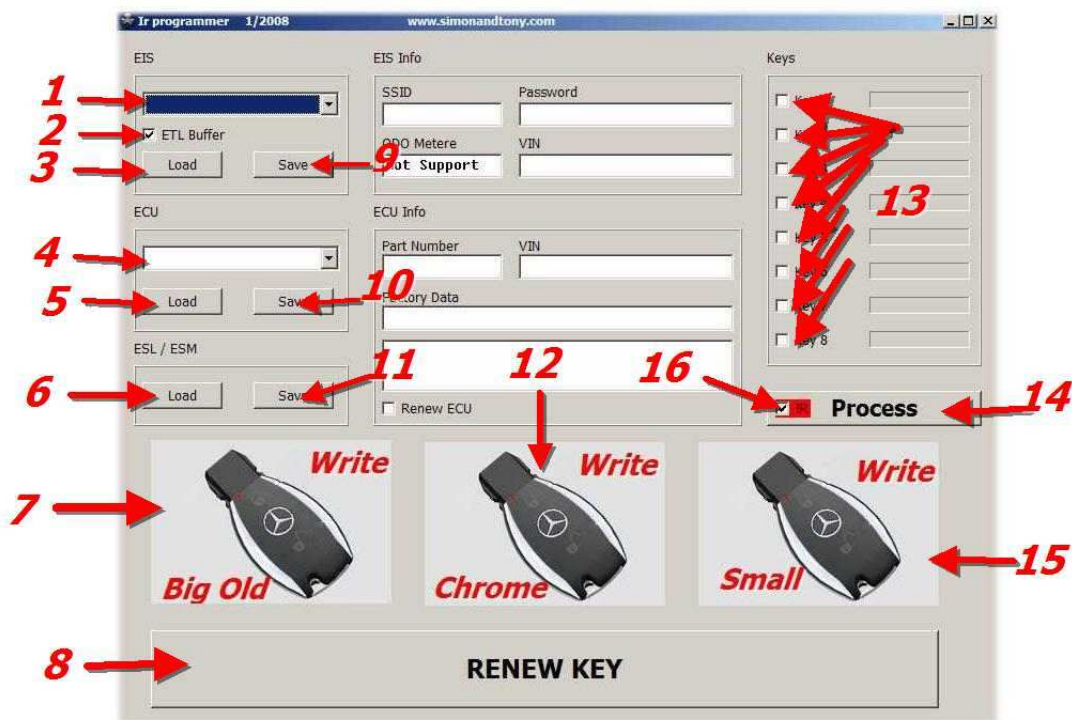


Ir programmer Manual



- 1- EIS type
- 2- use offset buffer (☒ Use Offset ETL) - (☐ Use Offset Xprog)
- 3- Load EIS dump
- 4- ECU type
- 5- Load ECU dump
- 6- Load ESL or ESM dump
- 7- access Ir Programmer for big plastic key .
- 8- access Ir Programmer for RENEW key function .
- 9- save EIS dump (option)
- 10- save ECU dump (option)
- 11- save ESL or ESM dump (option)
- 12- access Ir Programmer for Chrom key
- 13- (☒ Key 1 select to generate)- (☐ Key 1 don't generate)
- 14- Process (generate select keys/modify all loading dumps)
- 15- access Ir Programmer for small plastic key .
- 16- (☒ IR generate keys dumps for **Ir Programmer use**)- (☐ IR generate keys dumps for **Xprog or ETL or other MC68HC05E6 programmer use**).

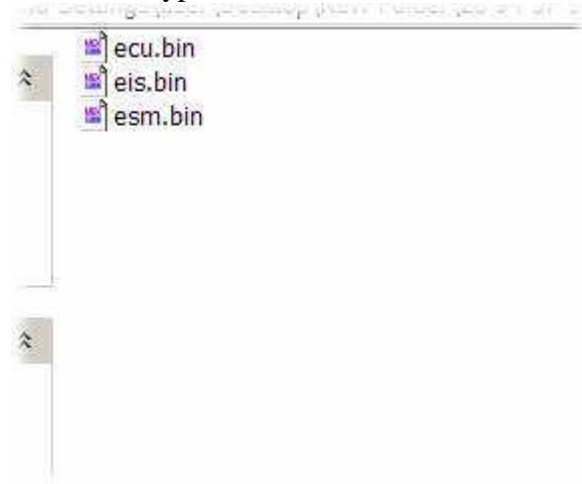
www.obd2express.co.uk

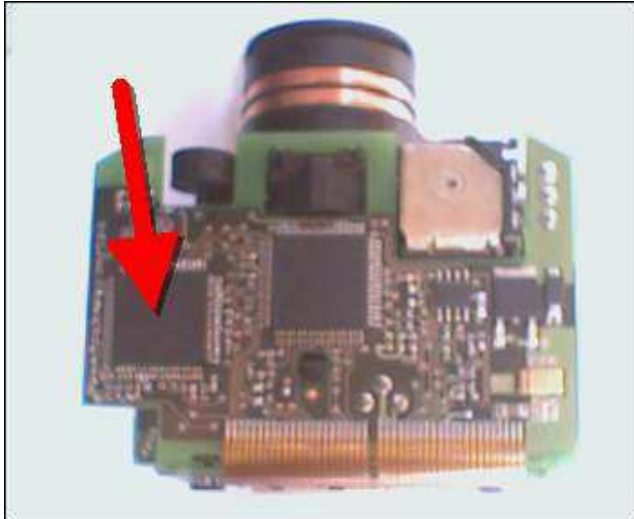
How to use it

Example for W215 /W203/W230

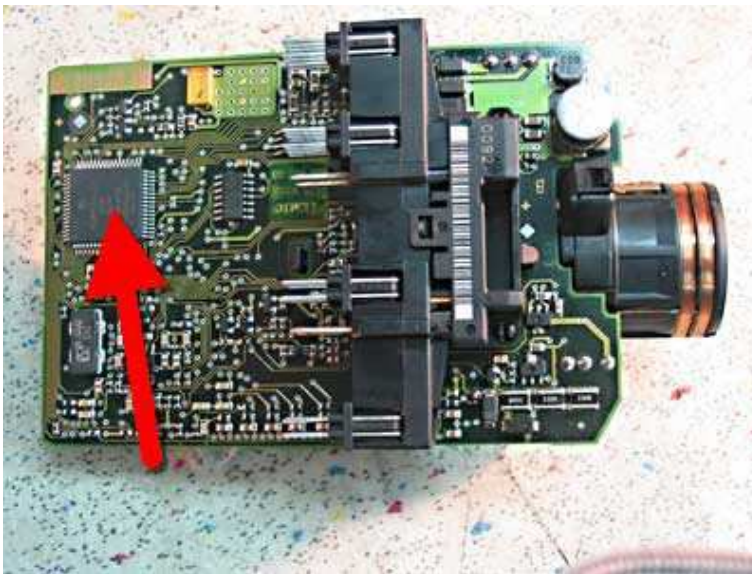
All type year 2000 und up need to modify (EIS /ESM/ECU)

First we have to read mcu from EIS and EEPROM 93c56 from ESM and 95080 form ECU type ME2.8 save all as BIN file .





W215



W203

choose EIS type

EIS		EIS Info	
<div>W215(old)</div>		<div>SSID</div>	
<div><input checked="" type="checkbox"/> Use Offset</div>		<div>ODO Metere</div>	
<div>Load</div>	<div>Save</div>		
ECU		ECU Info	
<div></div>		<div>Part Number</div>	
<div>Load</div>	<div>Save</div>	<div>Factory Data</div>	

1- load EIS mcu and ECUchip 95080 and
load ESM chip93c56

The screenshot shows the obd2express.co.uk software interface. It is divided into several sections:

- EIS Section:** Contains a dropdown menu with 'W215(new)' selected, a 'Use Off' checkbox, and 'Load' and 'Save' buttons. A red arrow points to the 'Load' button.
- ECU Section:** Contains a dropdown menu with 'ME 2.8 (st9508)' selected, and 'Load' and 'Save' buttons. A red arrow points to the 'Load' button.
- ESM Section:** Contains a 'Load' button (highlighted with a red arrow) and a 'Save' button.
- EIS Info:** Contains fields for 'SSID' (28945F94), 'Password' (2873E3CE7F61010E), 'ODO Meter', and 'VIN'.
- ECU Info:** Contains fields for 'Part Number' (1121533879), 'VIN' (WDB2200671A343340), and 'Factory Data' (B381B38104036FAB104E2B4ADF6B542031313231353333).
- Keys:** A list of keys with checkboxes and labels: 'Key 1 Used', 'Key 2 Used', 'Key 3 Used', 'Key 4 Used', 'Key 5', 'Key 6', 'Key 7', and 'Key 8'.
- Buttons:** 'Write DB File', 'Process' (with a red 'X' icon), and a large 'Renew Key' button at the bottom.
- Key Images:** Three images of keys labeled 'Big Old', 'Chrome', and 'Small', each with a 'Write' button above it.

SSID and Pass appear

Choose key to generate we choose as example key 5/6/7/8

EIS Info

SSID: 28945F94 Password: 2873E3CE7F61010E

ODO Meter: VIN:

ECU Info

Part Number: 1121533879 VIN: WDB2200671A343340

Factory Data: B381B38104036FAB104E2B4ADF6B542031313231353333

Keys

Key 1 Used
Key 2 Used
Key 3 Used
Key 4 Used
Key 5
Key 6
Key 7
Key 8

Write DB File

Process

Big Old Write

Chrome Write

Small Write

press Process

SSID: 28945F94 Password: 2873E3CE7F61010E

ODO Meter: VIN:

ECU Info

Part Number: 1121533879 VIN: WDB2200671A343340

Factory Data: B381B38104036FAB104E2B4ADF6B542031313231353333

Keys

Key 1 Used
Key 2 Used
Key 3 Used
Key 4 Used
Key 5
Key 6
Key 7
Key 8

Write DB File

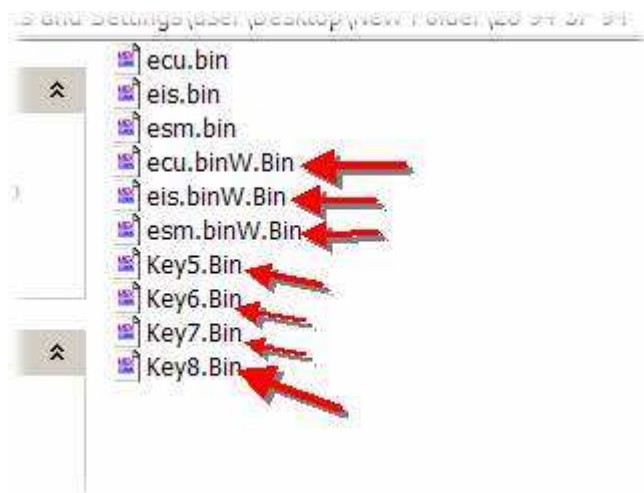
Process

Dump

Files Have Been Save!

OK

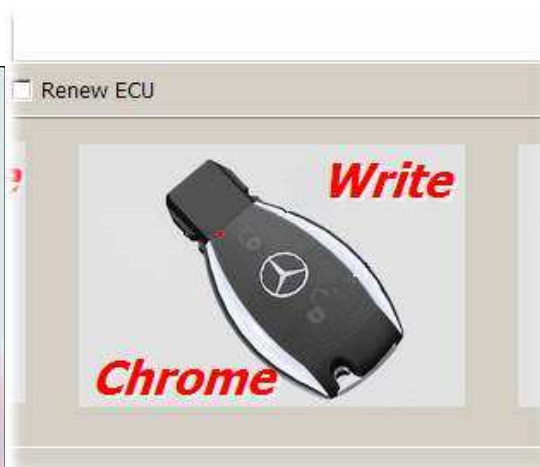
Files Have Been Save message appear to inform you thats EIS / ECU /ESM had modify and save in same folder and keys 5/6/7/8 had generate and save in same folder



Write all modify dumps to chip and mcu
Now we have end from modifying dumps and generating the keys .

Programming the key

We have chrom key .



Insert key into programmer then press (Write Chrom)

COM Port

COM2

Connect Port

Coil Power

Reset H/W

☒ Auto Power

On

Programming

Write Via IR To Key

Test Key

Exit

IR dialoge appear select free COM port and press connect port

COM Port

COM2

Close

IR H/W connect

Coil Power

Reset H/W

☒ Auto Power

On

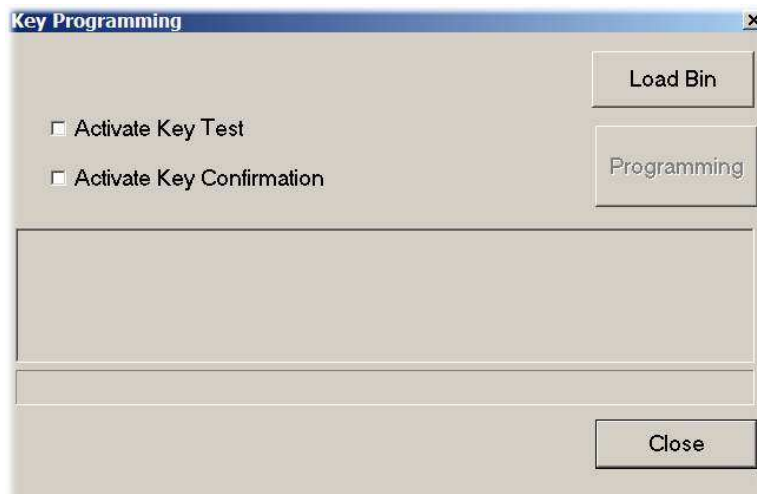
Programming

Write Via IR To Key

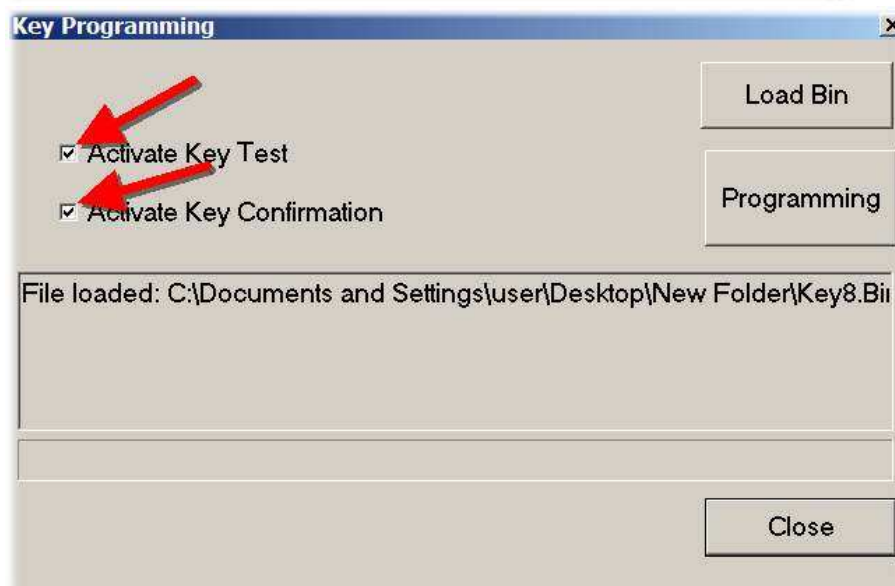
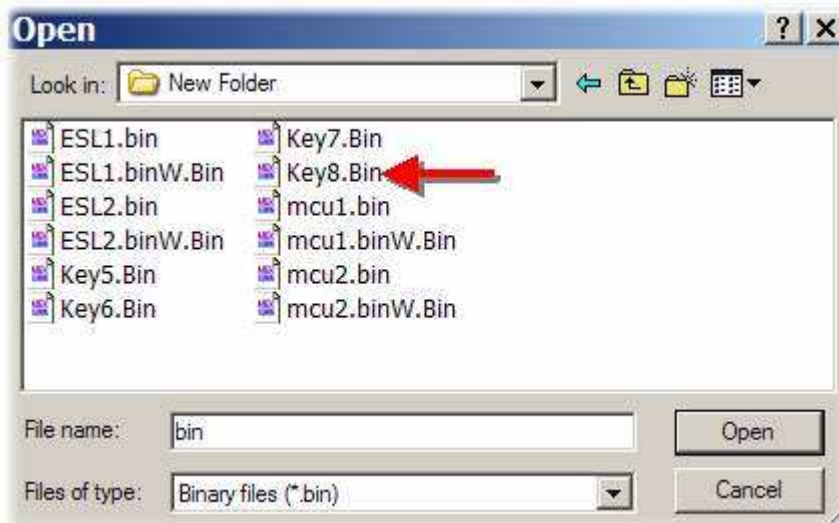
Test Key

Exit

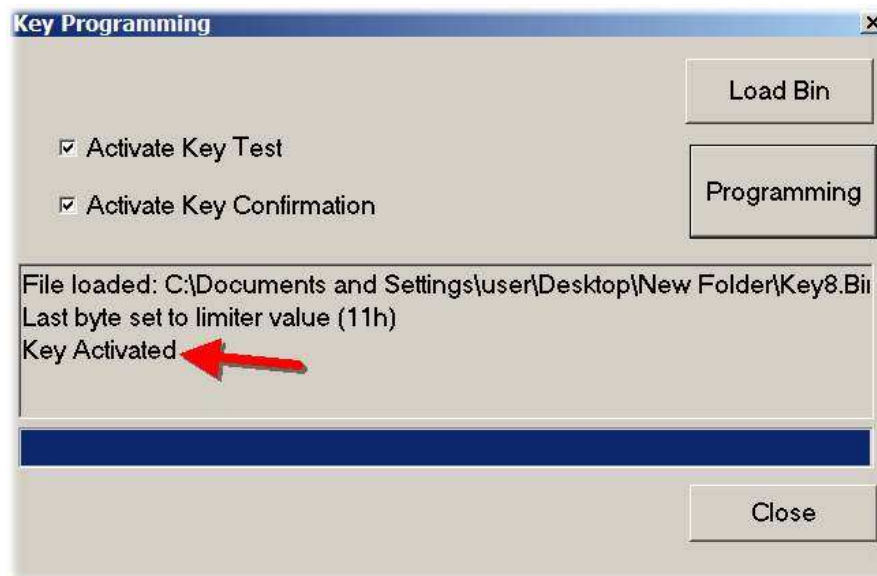
Message (IR H/W connect) must appear . if no't check cabel or select eerror port .
press (Write Via IR To Key)



Key Programming dialog appear ,press load BIN to load key bin file from folder .



Active tow check box and press (Programming),after few second (Key Activated)



Programming Key Activated

Insert key into EIS , key LED on then off that means key programming is end and you can run car .