## **XPROG-M PROGRAMMER**



Support COM port and USB1.1/2.0



Support EEPROM---24CXX、93CXX、25XXX、95XXX、35080、TC8910X、X24CXX、M6M800XX etc reading and writing;

Support MOTOROLA-HC05, HC 11, HC 08, HC (S) 12-secured (XDP512) MCU reading and writing;

Support MOTOROLA-MPC555/556, MPC561/562, MPC563/564, MPC565/566 MPU reading and writing;

Support NATIONAL-CR16-80PIN MCU reading and writing;

Support ST7, ST10 MPU reading and writing ;

Support TMS370, 374 MCU reading and writing;

Support BMW-E38、E39、E46、E53、E65、X3 series instrument cluster M35080 reading and writing (35080V6 reading ONLY and increase kilometer, can't decrease kilometer. )

Support BMW-E60、E63、E64-TV lock and unlock / activation.



Note: Verify the exact type of the chip before reading and writing.

BMW CAS-3 CPU: 0L15Y (9S12XDP512)

Run XPROG-M.exe



Select Lo choose the specific chip type:

International State Sta	evice: MC3512XDP512+EEPHOM-secured rand: Motorola HC[S]12-secured	Port: COM1
Info   The second of HC(9) 12 EM statement     2000-0017 HC(9) 12 EM statement   The second of HC(9) 12 EM statement     2000-0017 HC(9) 12 EM statement   The second of HC(9) 12 EM statement     DLSV, 115Y, 0MR4E, 1MR4E, 0MR   The second of HC(9) 12 EM statement     EEPROM   448   RDWR     Each state   The second of HC(9) 12 EM statement   The second of HC(9) 12 EM statement     Interview   The second of HC(9) 12 EM statement   The second of HC(9) 12 EM statement     Interview   The second of HC(9) 12 EM statement   The second of HC(9) 12 EM statement     Interview   The second of HC(9) 12 EM statement   The second of HC(9) 12 EM statement     Interview   Statement   The second of HC(9) 12 EM statement   The second of HC(9) 12 EM statement     Object   Statement   The second of HC(9) 12 EM statement of HC(9) HC(9) 12 EM statement of HC(9) HC(9) HC(9) HC(9)	elect Device	
Show Connection Diagram	Info Requirements: 1-002-0017 HC(5)12 BDM adapter 2-002-0018 HC(5)12 Dypass security authorization Supported Masks: 0L15Y, 1L15Y, 0M84E, 1M84E, 0M42E, 1M42E, 2M42E EEPROM 4kB RD/WR Programming Interface In-Circuit (BDM) Package 144 LQFP, 112 LQFP, 80 QFP Model File	Type     Serial EE PROM     Dashbaads     Dashbaads     Dashbaads     ZGS 001     TV     Atmel     Microchip     Motorola HC05     Motorola HC05     Motorola HC05     Motorola HC05     Motorola HC05     Motorola HC11     Motorola HC112     MOtorola HC120000     MOtorola HC112     MOtorola HC120000     MOtorola HC112     MOtorola HC120000     MOtorola HC1
equirements:     -002-0017 HC(S)12 BDM adapter     -002-0018 HC(S)12 bypass security authorization     upported Masks:     _15Y, 1L15Y, 0M84E, 1M84E,     M42E, 1M42E, 2M42E     EPROM   4kB     RDWR     rogramming Interface     -Circuit (BDM)     ackage     14 LQFP, 112 LQFP, 80 QFP     ode/     le	Show Connection Diagram	MCSS12x0250FUEEFR0M-secured MCSS12x02512xEFR0M-secured MCSS12x02512xEFR0M-secured
equirements: -002-0017 HC(S)12 BDM adapter -002-0018 HC(S)12 bypass security authorization upported Masks: _15Y, 1L15Y, 0M84E, 1M84E, M42E, 1M42E, 2M42E EPROM 4kB RDWR togramming Interface -Circuit (BDM) ackage 14 LQFP, 112 LQFP, 80 QFP odel le		<u>Ok</u> <u>Cancel</u>
	equirements: -002-0017 HC(S)12 BDM adapter	
	-002-0018 <i>HC</i> (S)12 bypass security authorizatio upported Masks: L15Y, 1L15Y, 0M84E, 1M84E, M42E, 1M42E, 2M42E EPROM 4kB RDWR r <u>ogramming Interface</u> -Circuit (BDM) <u>lackage</u> 44 LQFP, 112 LQFP, 80 QFP <u>lodel</u> ile	







Connect the chip with programmer



The XPROG-M support most of the chips' reading and writing without moving the chips, but for most of the chips we recommend you to move the chips from PCB for the better data communication if you're capable of that.

When you use USB port connection, you no need to power on the programmer with extra power supply, if you need to power on the programmer, please use 12V - 15V power supply with testing it ready beforehand.

The programmer will verify data while reading and writing(reading – verify, writing –verify), when the verify error as below occur, please click "NO" and save the data, and read it again and make the data's validation, if the 2times' data reading is the same that means "reading successfully".

Device:	00000000H · 00H	
Buffer:	00000000H - FAH	
erify err	or. Continue?	