**CGDI BMW 2.5.0 update (01-10 -2019)**

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**Version: 2.5.0**

**Data: 0**1-10 -2019

Newly Add:

增加内容:

1. 新增BMW E系列编程，支持E60/E61/E63/E64、E65/E66/E67/E68、E70/E71/E72、E89/E81/E82/E84/E87/E88/E90/E91/E92/E93、

R55/R56/R57/R58/R59/R60/R61等底盘车型单模块编程(多媒体模块需要光纤通信，暂时不支持)。

1. Support BMW E series programming

including: E60/E61/E63/E64, E65/E66/E67/E68, E70/E71/E72,

E89/E81/E82/E84/E87/E88/E90/E91/E92/E93, R55/R56/R57/R58/R59/R60/R61 etc

Support the modules communicating with K-line and Can bus line , including gateway, airbag, engine, transmission, CAS, dashboard, air conditioning, light module, Footwell Module (FRM) etc.

The unsupported modules: the modules that need Fiber Optic CAN bus and the other bus lines, such as: multimedia display, radio, car information computer etc.

2. 新增BMW E系列设码，支持E60/E61/E63/E64、E65/E66/E67/E68、E70/E71/E72、E89/E81/E82/E84/E87/E88/E90/E91/E92/E93、

R55/R56/R57/R58/R59/R60/R61等底盘车型单模块设码、备份设码以及恢复设码。

（可以直接替代ISTA-P软件，设码软件NCS-Expert tool 编程软件-WinKFP）

2. BMW E series coding

Supported E series models:

E60/E61/E63/E64, E65/E66/E67/E68, E70/E71/E72, E89/E81/E82/E84/E87/E88/E90/E91/E92/E93, R55/R56/R57/R58/R59/R60/R61 etc.

Support the module communicating with K-line and Can bus line , including gateway, airbag, engine, transmission, CAS, dashboard, air conditioning, light module, Footwell Module (FRM) etc.

Functions: Coding, backup & coding, restore coding etc.

Can work as the same as ISTA-P, NCS-Expert tool and WinKFP.

3.新增BMW F系列设码，F系列编程支持以下车型

F001(F001,F002,F003,F004,F007,RR04,RR05,RR06)

F010(F005,F006,F010,F011,F012,F013,F018)

F020(F020,F021,F022,F023,F030,F031,F032,F033,F034,F035,F036,F080,F082,F083,F087,F088)

F025(F015,F016,F025,F026,F085,F086)

F056(F039,F045,F046,F047,F048,F049,F052,F054,F055,F056,F057,F060)

以上等底盘车型单模块编程，单模块设码、备份设码以及恢复设码。（可以直接替代Esys软件、ISTA-P软件）

**3.BMW F series coding and programming works.**

Supported models:

F001(F001,F002,F003,F004,F007,RR04,RR05,RR06)

F010(F005,F006,F010,F011,F012,F013,F018)

F020(F020,F021,F022,F023,F030,F031,F032,F033,F034,F035,F036,F080,F082,F083,F087,F088)

F025(F015,F016,F025,F026,F085,F086)

F056(F039,F045,F046,F047,F048,F049,F052,F054,F055,F056,F057,F060)

Support the module communicating with K-line and Can bus line , including gateway, airbag, engine, transmission, CAS, dashboard, air conditioning, light module, Footwell Module (FRM) etc.

Functions: Single -module programming, single-module coding, backup & coding, restore coding.

Can work as the same as Esys, ISTA-P etc.

3.新增BMW G系列设码，G系列编程支持以下车型

G070(G070,G071)

I001(I001,I012,I015)

K001K010,K018,K019,K021,K022,K023,K032,K033,K034,

K035,K045,K046,K047,K048,K049,K050,K051,K052,K053,K054,K061,K067,K069,K080,K081,K082,K083,K084)

KE01(K017)

M013(M013)

KS01(K002,K003,K008,K009,K060)

S15A(F090,F097,F098,G001,G002,G011,G012,G013,G030,G031,G032,RR11,RR12,RR31)

S15C(G008,G038)

以上等底盘车型单模块编程，单模块设码、备份设码以及恢复设码。（可以直接替代Esys软件、ISTA-P软件）

4. BMW G series coding and programming works.

Supported models:

G070(G070,G071)

I001(I001,I012,I015)

K001K010,K018,K019,K021,K022,K023,K032,K033,K034, K035,K045,K046,K047,K048,K049,K050,K051,K052,K053,K054,K061,K067,K069,K080,K081,K082,K083,K084)

KE01(K017)

M013(M013)

KS01(K002,K003,K008,K009,K060)

S15A(F090,F097,F098,G001,G002,G011,G012,G013,G030,G031,G032,RR11,RR12,RR31)

S15C(G008,G038)

Functions: Single -module programming, single-module coding, backup coding, restore coding.

Can work as the same as Esys, ISTA-P etc.

3. FEM/BDC钥匙匹配：新增0000155E.018\_120\_010、00002419.081\_010\_020两个版本FEM/BDC配钥匙。

5. For FEM /BDC key programming, add the two versions: 0000155E.018\_120\_010 and 00002419.081\_010\_020

4. F/G系编程:增加swfk、flup、blup编程文件支持，修复某些模块编程失败的问题。

4. F / G series programming: add the programming file swfk, flup, blup etc. Fix the problem that some module programming failure.

5. CAS1-CAS3+钥匙匹配：增加劳斯莱斯CAS1、CAS2钥匙匹配。

5. For CAS1 -CAS3+ key programming, add Rolls-Royce CAS1 and CAS2 key programming.

6. BMW数据修改：增加CAS3+、CAS4+ ISN加解密功能。

6. For BMW data modification, add CAS3+ and CAS4+ ISN encryption and decryption.

7. 玛莎拉蒂里程调校：增加保存EEPROM数据功能。

8. For Maserati Mileage Adjustment, add the "Save EEPROM data" function.

8. 修复BMW F系设码模块列表显示不完整的问题。

9. For BMW F series coding, fix the problem that the supported modules display incomplete.