

VVDI MB Tool Update History:

Latest version V4.8.0 (2019-01-27)

*** 2019-01-27

*** Require firmware V4.5.0

===== BENZ V4.8.0 =====

1. This update no need update the firmware

2. Support W215, W220, W230 calculate password while all key lost:

- a. No more need MCU's de/soldering, very safe and quickly
- b. Support W215, W220 get key password with slow method (All KEY LOST, 2-3hours)
- c. Support W230 get key password with slow method (All KEY LOST, 2-3hours)

VVDI MB support all the FBS3 EIS while all key lost:

W166, W197, W212, W218, W246

W172, W204, W207

W216

W164, W251 (-2009)

W164, W251 (2009-)

W169, W209, W211

W202, W208, W210

W215, W220

W230

W203, W463, W639

W639(2009-)

W906

W221

Software version V4.7.0 (2019-01-18)

*** 2019-01-18

*** Require firmware V4.5.0

===== BENZ V4.7.0 =====

1. This update no need update the firmware

2. Password calculation for ALL KEY LOST: Support W164/W251(-2009), W221 calculate password when all key lost:

- a. Support W164/W251(-2009) get key password with slow method (All KEY LOST, 25minutes-1.5hour)
- b. Support W221 get key password with VVDI MB Power Adapter (All KEY LOST, no need re-insert IR, 15minutes)
- c. Support W221 get key password with slow method (All KEY LOST, 25minutes-1.5hour)

Until now VVDI MB support all key lost EIS type(FBS3):

W166, W197, W212, W218, W246

W172, W204, W207

W216

W164, W251 (-2009)

W164, W251 (2009-)

W169, W209, W211

W202, W208, W210

W203, W463, W639

W639(2009-)

W906

W221

3. Bugfix

The logo for Xhorse Shop.us is displayed diagonally across the page. It features a stylized 'X' icon on the left, composed of two overlapping orange and grey shapes. To the right of the icon, the text 'Xhorse' is written in a bold, grey, sans-serif font, followed by a registered trademark symbol (®). To the right of 'Xhorse', the text 'Shop.us' is written in a larger, bold, grey, sans-serif font.

VVDI MB

ADVANCED TECHNOLOGY
POWERFUL UPDATE

W164/W251/W221

Without soldering



**FULL SOLUTION
FOR ALL KEY LOST**

Support below models(for all key lost without soldering)

W166, W197, W212, W218, W246	W169, W209, W211
W172, W204, W207	W202, W208, W210
W216	W203, W463, W639
W164, W251(-2009)	W639(2009-)
W164, W251(2009-)	W906
W221	

Software version V4.6.0 (2018-12-04)

*** 2018-12-04

*** Require firmware V4.5.0

1. Password calculation: Bugfix for W169/W209/W211(Kline) while all key lost
2. Bugfix for read W164 2009- in EIS
3. MB power adapter: When client use pirated MB power adapter to upload calculation data will get detail error
4. Bugfix

Software version V4.5.0 (2018-09-14)

2018-09-14 ***

*** New VVDI MB software update v4.5.0 ***

*** Attention – Require update firmware V4.5.0 ***

1. Support write old Kline EIS via IR. You can exchange old motorola EIS without desolder mcu
2. Support activate old Kline EIS via Kline: Menu->Other function->Customer request
3. Bugfix for read old EIS Kline data
4. Password online calculation: Support get password from old Kline and CAN EIS without desolder.
 - a. Support W202/W208/W210(Kline) get key password with [VVDI MB Power Adapter](#) (ADD KEY and All KEY LOST, 15-30minutes)
 - b. Support W203/W469/W639(Kline) get key password with VVDIMB Power Adapter (ADD KEY and All KEY LOST, 15-30minutes)
 - c. Support W169/W209/W211(Kline) get key password with VVDIMB Power Adapter (All KEY LOST, 15minutes)
 - d. Support W639 2009-/W906 get key password with VVDIMB Power Adapter (All KEY LOST, 15minutes)
 - e. Support W202/W208/W210(Kline) get key password with slow method (All KEY LOST)
 - f. Support W203/W469/W639(Kline) get key password with slow method (All KEY LOST)
 - g. Support W169/W209/W211(Kline) get key password with slow method (All KEY LOST)
 - h. Support W639 2009-/W906 get key password with slow method (All KEY LOST)
5. Bugfix

Software version V4.1.0 (2018-07-13)

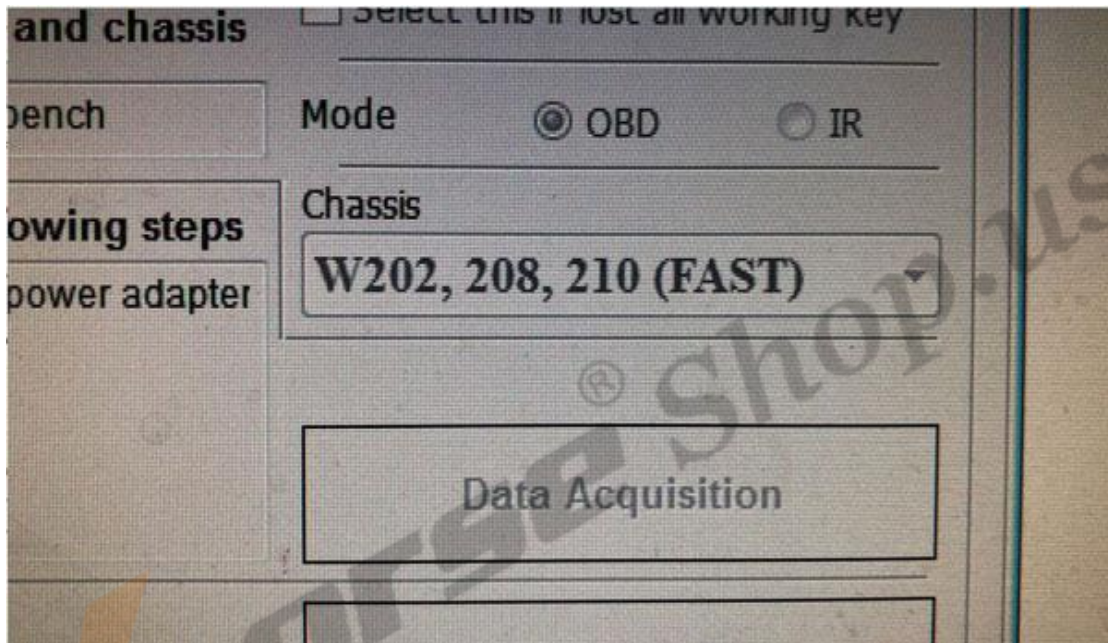
2018-07-13

*** Require firmware V4.0.0

===== BENZ V4.1.0 =====

1. This update no need update the firmware2. Password calculation: Support calculate password for W202/W208/W210(KLine) EIS
 - a. No more need MCU's de/soldering, very safe and quickly
 - b. Support add key and lost all key for password calculation
 - c. The procedure require about 25-30 minutes

- d. The procedure need MB Power Adapter support
- e. The procedure should work on the bench, not on car
- 3. Bugfix for load motorola EEPROM dump file in EIS window
- 4. Bugfix for activate [BE key](#)
- 5. Bugfix for read EIS W209
- 6. Bugfix



Latest version V4.0.0 (2018-06-14)

*** 2018-03-14

*** Require firmware V4.0.0

===== BENZ V4.0.0 =====

- 1. Bugfix for prepare BE key
- 2. Bugfix for autodetect som w211 EIS
- 3. Support personalize/activate W906/W639 ESL: EIS Tools->W906->Personalize/Activate W906/639 E SL
- 4. Support activate ECU, ISM
- 5. Bugfix for personalize ECU, Gearbox, ISM
- 6. Bugfix

Software version V3.8.5 (2018-03-01)

*** 2018-03-01

*** Require firmware V3.6.0

===== BENZ V3.8.5 =====

1. We recommend all customer update software to v3.8.5.
2. Bugfix for prepare BE key
3. Add Points System: Menu->Points System

You can get bonus points by use VVDI BE key. With bonus points you can not only exchange [BGA tokens](#), but also exchange other functions and components!

4. Bugfix

Software version V3.8.0 (2018-02-26)

*** 2018-02-26

*** Require firmware V3.6.0

===== BENZ V3.8.0 =====

1. Support Spanish language
2. Support load Motorola EEPROM dump in EIS window and display key information
3. Bugfix for read KM in some W207 EIS
4. Bugfix for old motorola keys show incorrect key password
5. Support read VIN and EIS part number for Kline EIS(OBD communication require short connect PIN7 and PIN1)
6. Bugfix

This version No need to update firmware

Software version V3.7.0 (2018-01-10)

*** 2018-01-10

*** Require firmware V3.6.0

===== BENZ V3.7.0 =====

1. Bugfix for some countries can't synchronize with server
2. Bugfix for old motorola keys show incorrect key password
3. Bugfix

Software version V3.6.0 (2017-12-23)

*** 2017-12-23

*** Require firmware V3.6.0

===== BENZ V3.6.0 =====

1. Attention: All user update device to firmware v3.6.0, software v3.6.0, the lower version don't support password calculation
2. Add Upgrade Kit, use upgrade kit to update the firmware. Menu->Update Online->Upgrade Kit
3. Improve the success rate of BAG key password, erase password and enable key password
 - 1) The server have 99% success rate for key password now (You can get key password for only 1 time calculation)
 - 2) Reduce the key password calculate time, we only need about 20 seconds for 1 time calculation
 - 3) The server have 99% success rate for erase password and enable key password now
 - 4) Add some old version NEC key for password calculation
 - 5) We will continue update our server to achieve good result for BAG key password, erase password and enable key password
4. Support activate EIS from OBDII. Menu->Other Function->Customer request->Activate EIS
5. Support activate W906(NEC) ELV from OBDII
6. Bugfix

version V3.5.0 (2017-11-21)

Require firmware V3.5.0

===== BENZ V3.5.0 =====

1. Attention: All user update device to firmware v3.5.0, software v3.5.0
2. Improve the success rate of erase password, the server will continue improve the database
3. New function: Menu->Other Function->Eeprom dump tool, support repair W210/W220 ISN eeprom dump
4. New function: Menu->Other Function->Read/Write EERPOM via OBDII, support read CPU eeprom from W202,W208,W210 EIS directly with KLine
5. New function: Menu->Other Function->Customer request, support communicate unit with CAN command(Professional user use)
6. Support detect EIS CPU chip from OBDII, after read EIS data via OBDII, you can get CPU chip is motorola or NEC
7. Support renew W639, W906(NEC) ESL via KLine
8. Bugfix for OBD communication with W639, W906 on the bench
9. Bugfix for erase problem in W204 ESL
10. Bugfix for IR read key hash on the motorola EIS
11. Support W209, W211 read password(from IR) under OBD mode
12. Add W251 EIS type
13. In Prepare Key File window, support save the key file in EIS folder automatically
14. Support Polish language
15. Bugfix

version V3.0.0 (2017-05-02)

*** Require firmware V3.0.0

===== BENZ V3.0.0 =====

1. Attention: All user update device to firmware v3.0.0, software v3.0.0
2. New component released: MB power adapter, contact dealer for payment
 - (1). Support fast mode for W204, W207 lost all key (Collect data only 18 minutes)
 - (2). Support W216, W164 2009- lost all key, no need insert IR adaptor for many times, save manpower
 - (3). Support read W164, W164 2009-, W209, W211 EIS via OBDII without gateway support
3. For the old motorola keys: Support read and write, require NEC ELV adaptor(Menu->Special Function->Old Motorola Key)
4. For some old W906, W639 EIS can not read data via OBDII, we support disable key
5. Bugfix for read v57 version password from key with NEC key adaptor
6. Bugfix

VVDI MB BGA Tool V2.1.7 Update Feature:

Require firmware V2.1.7

===== BENZ V2.1.7 =====

1. Attention: All user update device to firmware v2.1.7, software v2.1.7
2. User manual v1.7 released, overview v1.7 released
3. BGA password calculation: bugfix for lost all key W216, W164 2009-
4. Exchange W204 ESL withou renew EIS. In ESL Tools, write EIS with password(Select Auto clear TP and personalized)
5. Activate key: Change key status from unuse to used
6. Bugfix for read v57 version password from key with NEC key adaptor
7. Bugfix

Latest version V2.1.6 (2017-01-07)

Require firmware V2.1.6

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===== BENZ V2.1.6 =====

1. Attention: All user update device to firmware v2.1.6, software v2.1.6
2. User manual v1.7 released, overview v1.7 released
3. BGA password calculation: Add support for lost all key W216, W164 2009-
4. Exchange W204 ESL withou renew EIS. In ESL Tools, write EIS with password(Select Auto clear TP and personalized)
5. Activate key: Change key status from unuse to used
6. Bugfix for read v57 version password from key with NEC key adaptor
7. Bugfix

Latest version V2.1.5 (2016-12-19)

2016-12-19

*** Require firmware V2.1.5

===== BENZ V2.1.5 =====

1. Attention: All user update device to firmware v2.1.5, software v2.1.5
2. Support read old type w209, w211 password via IR directly
3. Support activate blank BGA key(0CF4)
4. Bugfix for data acquisition in some old key version
5. Language bugfix

V2.1.4 (2016-09-12)

Require firmware V2.1.4

1. Attention: All user update device to firmware v2.1.4, software v2.1.4
2. Support get password from **w204, w207 EIS while lost all key**

Latest version V2.1.3 (2016-09-07)

1. Attention: All user update device to firmware v2.1.2, software v2.1.3
2. Fix bug for time out when get erase password or key file

Latest version V2.1.2 (2016-09-02)

1. Attention: All user update device to firmware v2.1.2, software v2.1.2
2. User manual v1.6 released, overview v1.6 released
3. Support Repair KM: Menu->Special Function->KM Repair, support w204, w207, w212, w211, w166, w246, w231, w205
4. Support read/write gateway: Menu->Special Function->Read/Write CGW(ZGW)
5. Support Read/Activate blank BGA key(0CF4): Read Write Key->Read blank BGA(0CF4) EIS data
6. Support read current HASH in key(Repair key): Read Write Key->Key current HASH (Repair key)
7. Support unlock key track: EIS Tools->IR->Enable Key
8. Support another type (Continental)ISM read/write/erase
9. Bugfix

version V2.1.1 (2016-07-5)

1. Attention: All user update device to firmware v2.1.1, software v2.1.1
2. Add connection diagram for new NEC key adaptor
3. Support repair W204 ESL fatal error and repair old motorola ELV. you need buy an extra adaptor for ESL
4. Bugfix

version V2.1.0 (2016-05-31)

1. Fixbug for write original NEC key via IR
2. Fixbug for show finish error information in IR read password

V2.0.9 (2016-05-29)

1. Attention: All user update device to firmware v2.0.9, software v2.0.9
2. User manual v1.5 released, overview v1.5 released
3. Support new sprinter W906 motorola EEPROM dump prepare key file
4. Support read password via IR for old motorola EIS (HC05, HC08, K-Line)
5. Support W204 ESL Emulator: only support VVDI W204 emulator, you must renew it before use
6. Support OBD read W164, W211, W209, W169 EIS without gateway, you need buy an extra adaptor
7. Fixbug for make only 1 key file in motorola EEPROM dump
8. Fixbug for read v51 version password from key
9. After read password from v51, v57 key, will fix the key automatically
10. Bugfix

V2.0.8 (2016-04-07)

Require firmware V2.0.8

1. Attention: All user update device to firmware v2.0.8, software v2.0.8
2. User manual v1.3 released, overview v1.4 released
3. Add support renew/write NEC keys, keyless keys on board. Attention: New NEC adaptor is option component, Purchase from dealer
4. Fix bug in prepare key file for some B200 (W169) make key file
5. Fix bug in passwod calculation for some W216
6. Add support write renewed NEC keys, blank BGA keys etc
7. Bugfix

V2.0.7 (2016-02-29)

Require firmware V2.0.7

1. Attention: All user update device to firmware v2.0.7, software v2.0.7, the lower version don't support password calculation
2. User manual v1.2 released, overview v1.3 released
3. Add support for renew ECU/Gearbox/ISM etc
4. Fix diable key in K-Line protocol
5. Fix clear TP in K-Line protocol
6. Fix read key bug in password calculation
7. Bugfix

V2.0.6 (2016-01-18)

1. Attention: All user update device to firmware v2.0.6, software v2.0.6, the lower version dont support password calculation
2. User manual v1.1 released, overview v1.2 released
3. Add support for disable key

4. Fix bug for test W164, W221 EIS status
5. Fix bug for write EIS data
6. Bugfix

V2.0.5 (2016-01-07)

1. Attention: All user update device to firmware v2.0.5, software v2.0.5, the lower version dont support password calculation
2. **Add password calculation for lost all key.** Support W166, W246, W212, W212(old). After success find password, it will need pay 2 calculation times
3. Password calculation with working key support: add working key test before data acquisition
4. Add EIS status test, working key test function
5. Fix bug for OBD read W203, W639, W463(K) EIS
6. Autodetect W212 EIS with ELV
7. Fix bug for read v51 key password via NEC adaptor
8. Add IR repair key function
9. Bugfix

V2.0.3 (2015-12-14)

Require firmware V2.0.0

Password Calculation: Read EIS under OBD mode will check car power automatically. Avoid lost data in EIS

Support Key Types Display:



Latest Technical details :

Note: VVDI MB BGA tool update goes well, the following workable models are for reference only.

Model support IR/OBD:

W164, W164 2009+

A166, W197, W212, W218, A246

A169, W209, W211

W172, W204, A207

W203

W204, W207, W212 only by dump

NEW!—W204, W207 via infrared ALL KEYS LOST option

W209 only by dump

W210

W215, W220

W230

W216

W221

W906

Keys version supported:

v03, v06, v08

v05, v07, v09

v59, v61

What keys/remotes are supported?

705 Moto 1997-2000

NEC 2001-2005

NEC 2006-2010

BGA 2011+

The logo for Xhorse Shop.us is a large, light gray watermark that spans diagonally across the page. It features the word 'Xhorse' in a bold, sans-serif font, followed by 'Shop.us' in a similar font. A registered trademark symbol (®) is positioned above the 'e' in 'Xhorse'. To the left of the text, there is a stylized orange and white graphic element resembling a horse's head or a key.