BMW KEY PROG 2 (BKP2)

v.1.1

BKP2 v.1.1 - stand-alone key programmer for BMW F-series cars equipped with CAS4 ECU with EWS4 (CAS4) and EWS5 (CAS4+) systems.

CAS4 EWS4 - all version 100% supported.
CAS4 EWS5 only with software up to ISTA-P v.52 (01-2014 m.y.)

To gain access key programming, the BKP2 v.1.1 flashes electronic units via the high-speed ENET bus. Programming time is about 2 minutes.

List of vehicles equipped with CAS4 EWS4 immobilizer system:

- 5 'F07 GT (09/2008 - 06/2013)
- 5 'F10 (01/2009 - 10/2016)
- 5 'F11 (01/2009 - 06/2013) Hatchback
- 5 'F18 (08/2009 - 08/2013) "Long for the Chinese market"
- 6 'F06 Gran Coupe (05/2011 - 03/2015)
- 6 'F12 (10/2009 - 02/2015) convertible
- 6 'F13 (03/2010 - 02/2015)
- 7 'F01 (06/2007 - 06/2012)
- 7 'F02 (07/2007 - 06/2012)
- 7 'F03 (04/2008 - 05/2012)
- 7 'F04 Hybrid (10/2008 - 06/2012)
- X3 F25 (06/2009 - 08/2017)
- X4 F26 (05/2013 - 03/2018)
- RollsRoyce Ghost RR4 (08/2008 - 11/2019)
- RollsRoyce Wraith RR5 (11/2012 - 12/2019)

List of facelift vehicles equipped with CAS4 EWS5 immobilizer system:

- 5 'F07 GT LCI (08/2012 - 02/2017)
- 5 'F10 LCI (08/2012 - 10/2016)
- 5 'F11 LCI (08/2012 - 02/2017)
- 5 'F18 LCI (10/2012 - 04/2017) "Long for the Chinese market"
- 6 'F06 Gran Coupe LCI (05/2014 - 09/2018)
- 6 'F12 LCI (05/2014 - 05/2018)
- 6 'F13 LCI (05/2014 - 10/2017)
- 7 'F01 LCI (05/2011 - 05/2015)
- 7 'F02 LCI (05/2011 - 05/2015)
- 7 'F03 LCI (01/2012 - 03/2015)
- X3 F25 (06/2009 - 08/2017)
- X4 F26 (05/2013 - 03/2018)
- RollsRoyce Ghost RR4 (08/2008 - 11/2019)
- RollsRoyce Wraith RR5 (11/2012 - 12/2019)
- RollsRoyce Dawn RR6 (04/2015 - 11/2019)

Description:

1. Open the car door with a mechanical key or HU100R Lock pick (Turbodecoder as example).
2. Plug the BKP2 programmer into the ODB diagnostic socket. The red LED on the programmer will light up, indicating that there is a 12V voltage at the OBD connector.
3. BKP2 will emit a beep signal - indicating that the high-speed ENET bus is working (you may need to press the START button or the brake pedal to wake up the vehicle's network). BKP2 will turn on the ignition and the car will be "awakened".
4. If the standard alarm is triggered (a red LED is flashing under the rear-view mirror), press the central locking button to turn it off.
5. If CAS4 EWS5 system installed in the car and the software version is higher than ISTA 52, you will hear the voice message "Unit version is not supported" - it means that this software version does not currently support the key programming function and will be added to BKP2 in the next update.
6. If the vehicle software version is supported, you will hear the message "The electronic unit is being programmed. Please wait about two minutes", and BKP2 will start programming the electronic units via the high speed ENET bus.
7. When the programming of the units is completed, you will hear a double beep-beep and a voice message "Keep the key by the steering column. Key frequency xxx MHz. "
8. There are five different key versions - 315 MHz, 315 MHz "Low Power", 434 MHz, 434 MHz for the Korean market, 868 MHz. Only the correct key type can be programmed into the car. As example, it's impossible to program 434MHz key into a car equipped with 868MHz keys. Listen carefully to the voice prompts of the BKP2.
9. Keep the correct key by the steering column where the key reader is installed. (Picture with key logo on the steering column).
10. If the key does not fit this car, you will hear a message for what reason the key did not fit. For successful key programming - attach the correct key.
11. If the key fits, you will hear a triple beep-beep-beep sound. Continue to hold the key to the steering column, the key programming time is five seconds. If the key has been successfully programmed, you will hear the voice message "The key has been successfully programmed" and a long beep - beeeeeep.

Important information:

1. At the moment, (In version 1.1) all software versions for CAS4 EWS4 and up to ISTA 52 for CAS4 EWS5 are supported.
2. Taken time for electronic units flashing before key programming is approximately two minutes.
3. If the units have already been programmed and unlocked - no reprogramming is required, BKP2 immediately goes to the key write function.
4. A total of 8 keys can be programmed into CAS4.
5. Only unlocked keys are suitable for programming.
6. ***After programming, the keys are not locked and can be reused.***
7. ***BKP2 does not delete keys previously stored in the vehicle.***
8. If all free key tracks are blocked by the dealer as "lost" - BKP2 unlocks the first free track and writes the key to it.

9. If BKP2 says "The key is not written", the key for such a car will not be programmed. A possible reason is a dead battery in the car, which caused damage to the unit memory during programming. Always connect an additional battery or external power source for vehicles that have not been used for a long time. If BKP2 was removed from OBD before the end of the ECU programming, when you reconnect the BKP2, an attempt will be made to restore the damaged electronic components of this vehicle from the backup. If BKP2 is connected to another car, the backup data of the previous car will be deleted. Never remove BKP2 during programming session - high risk of damage to vehicle ECUs.
10. We recommend using only original keys. Chinese key programming is not guaranteed.
11. The device is not intended to be illegal and may be prohibited in some countries. The use of the device for criminal purposes is prohibited.