



KD-X4 MANUAL

1 Product Overview

KD-X4 is a locksmith professional device that integrates recognition, generation, copying, programming, and matching. It can be operated independently, or connected to tablets, mobile phones, and PC software in multiple free modes. Locksmith can choose the mode of operation that suits their own usage habits. Exclusive priority release of some industry-leading features. The device supports frequency detection (supporting 2.4G), remote control generation, remote control simulation, key-less remote simulation, remote control copying, chip recognition/copying, chip generation, chip acquisition, key unlocking, immo programming, programmer reading and writing data, online upgrading and other functions. It has become a professional device with simple operation, stable performance, and wide coverage of car models.



2 Product List

1) KD-X4 device	1 unit
2) OBD main cable	1 piece
3) USB cable	1 piece
4) Toyota adapter cable	1 piece
5) Programmer adapter board	1 piece
6) Programmer wiring cable	1 piece
7) Remote control burning cable	1 piece
8) Key unlocking cable	1 piece
9) External acquisition antenna	1 piece



Attention: Please check the list and contact the supplier promptly if any accessories are missing.

3 Main Performance Parameters



Battery capacity

3.7V 3500MAh



Input power

12V/24V/5V 1A



Size

200X120X40MM



Display

1.8-inch color screen



Working temperature

-30 - 50degrees



Connectivity

BLOOTH,
USB2.0(TYPE B)



Storage temperature

-40 - 60degrees

4 Schematic diagram of device appearance interface



5 Button and Interface Function Description

1.Power on/off button:

In the shutdown state, press and hold the power button for 2 seconds to turn on the device;
When the device is turned on, press and hold the power button for 2 seconds to turn it off.

2.Chip recognition button:

Press the chip recognition button to enter the chip detection function;
Long press the chip recognition button to enter the function switching menu, where you can select chip recognition, ignition coil detection, and system settings functions;(As shown in Figure 1 on the right)



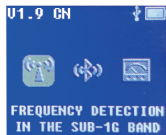
3. Remote copy button:

Press and hold the remote copy button to enter the remote normal copy function. Long press the remote copy button to enter the function switching menu, where you can select the normal copy, special copy, and remote data comparison functions;(As shown in Figure 2 on the right)



4.Frequency detection button:

Press and hold the frequency detection button to enter the frequency detection mode within 1GHz. Press and hold the frequency detection button to enter the function switching menu, where you can select frequency detection within 1GHz, 2.4GHz frequency detection, battery voltage detection/leakage detection; (As shown in Figure 3 on the right)



5.Key induction coil and immo chip placement hole:

Used for identifying and copying car key immo chips, and can also be used for wireless generation of KD remotes.

6.Frequency detection area:

Place the key in the frequency detection area and press the key remote control button to detect the remote control frequency.

7.Power indicator light:

Used for power on and charging status indication, power on status: indicator light flashes; Charging status: The indicator light is constantly on and turns yellow; Fully charged state: The indicator light is constantly on and turns green.

8.Display screen:

It can display device information and key information, etc.

9.USB interface:

Used for charging, wired connection to mobile phones or PC terminals.

10.Programmer interface:

Used for programmer to read data from Volkswagen MQB dashboard, Audi dashboard or BCM data, as well as various octagonal chip EEPROM data reading and writing.

11. Wired programming interface:

Used for KD wired remote generating, unlocking with original keys, remote battery voltage detection, and leakage detection.

12.Collecting antenna:

It is used for collecting data on car ignition, testing ignition coils, chip simulation and other functions.

13.External acquisition antenna interface:

It is used for collecting car ignition data, ignition coil detection, chip simulation and other functions.

14.Toyota adapter cable interface:

Toyota/Lexus smart key all key lost cable interface.

15.OBD main cable interface:

Connect the external OBD 15 cable to the car, connect the Mobile KD APP, and enter the programming function for use.

6 Main functions of the device

1. Remote generation (supports 5600+remote control program generation)
2. Remote copying (supports remote copying of 50+ car models)
3. Key simulation (supports remote control simulation, smart key simulation)

4. Frequency detection (supports 315M, 433M, 467M, 868M, 902M, 2.4G frequency detection)
5. Anti theft chip recognition copy (supports MLB、5C、46 47 48 MOB48 4D 4C 8A 6A 4A 8E 8C 13 11 12 7935X 49)
33/40-44 AUDI5 ID card IC card);
6. Specialized chip generation (supports the generation of Toyota G, NB multifunctional specialized, 33/40-44, 48, 4D/4C, Toyota 8A/H, 46 specialized chips, etc.)
7. Chip acquisition (supports device acquisition antenna acquisition, external acquisition antenna acquisition, built-in acquisition enhancer acquisition) supports 46, BYD all key lost, 48,OBD 48 and other chip data acquisition
8. Key unlocking (supports unlocking with 36 different brand keys)
9. Battery voltage detection (supports 3V remote key battery voltage detection)
10. Key leakage detection (supports 3V remote control key leakage detection)
11. Second-hand remote programming without unlocking (supports Toyota/Lexus 8A-AA, BA, 4A type used key unlock free programming)
12. Immo programming (supports 51 brands of immo programming, with more models continuously updated)
13. Programmer function (supports Volkswagen Audi MQB programmer to read immo data)

7 Precautions

- Please pay attention to waterproof, dust-proof, and anti fall measures;
- Don't store or use device in environments with high temperature, high humidity, flammability, explosiveness, and strong magnetic fields;
- Do not use chargers with mismatched specifications to charge this device;
- Please do not disassemble or modify the internal components of this device without authorization, otherwise any adverse consequences will be borne by yourself;

8 Product Warranty Instructions

The warranty period for KD-X4 devices is one year, based on the date the user activates the device. If a malfunction occurs during the warranty period and is confirmed by our professional personnel to be not caused by the user, our company will provide free repair,

replacement of components, and maintenance services. If the warranty period is exceeded, a repair fee will be charged for the repair.

During the warranty period, free warranty will not be provided for any of the following situations:

1. Damage to electronic components and circuit boards caused by improper use by users or accidental disasters;
2. Device damage caused by self disassembly, repair or modification;
3. Device damage caused by failure to follow the instructions and precautions for use;
4. Device damage caused by collision, falling, or improper voltage;
5. Device casings that have been worn or soiled due to long-term use.

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure

