

WAVE-S

The device is designed to work with cars equipped with the keyless access system KEYLESS GO broadcasts a signal only from the car to the key (the distance between the blocks is 15-70 meters and depends on the condition of the battery in the key and cannot in principle be greater than the key operation distance). The kit consists of 2 blocks - large (B) and small (M) and 2 external antennas.

Description of blocks.

Block B:



1. Indication LEDs.
2. Charger connector
3. Power switch
4. Connector for external antenna

Block M:

- | | |
|-------|----------------------------|
| 1-3 | Indication LEDs |
| 4-7 | Control buttons |
| 8 | Power switch |
| 9 | Charger connector Charging |
| 10-11 | indicator LEDs |



Later in the instructions:

Short press - press and release (corresponding LED flashes). Long press - press and hold the button until the corresponding LED flashes quickly.

OPERATING PROCEDURE

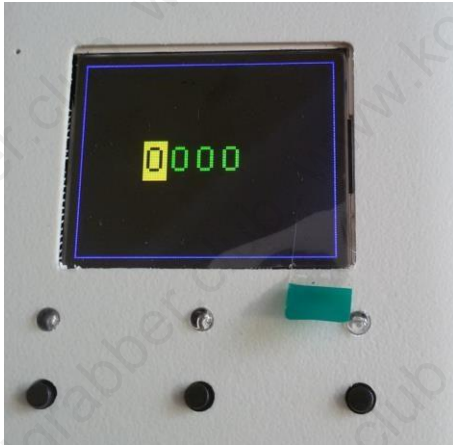
1. Charge the batteries in the blocks

Block B can be charged ONLY WITH THE SUPPLIED CHARGER. The charger is connected to connector 2 of block B. Charging is indicated by a red indicator on the charger, when charging is completed, the color of the indicator changes to green, after that it is advisable not to turn off the charger for some time to balance the batteries.

Block M can be charged with any charger with a voltage of 5 V and a micro-USB connector. Charging is indicated by a red LED near the charging connector on the M unit. When charging is completed, the red LED goes out and the blue one lights up.

UNIT MUST BE POWERED OFF DURING CHARGING.

2. If the green LED is off and the red LED is flashing quickly, the battery is low, **OPERATION IN THIS MODE IS NOT POSSIBLE - SWITCH OFF THE UNIT AND CHARGE THE BATTERY.**
3. Turn on the M unit. If red and flashes quickly on the LOW_BATTERY screen, the battery is low, **OPERATION IN THIS MODE IS NOT POSSIBLE - SWITCH OFF THE UNIT AND CHARGE THE BATTERY**
4. All control is made from the M block. After switching off, the selected mode is saved.
5. If PIN code request is enabled, the PIN code entry screen will appear:



Short presses KH4 and KH5 move the cursor, short presses KH6 and KH7 type the number at the cursor location. After dialing all the digits, a long press of any button confirms the input of the dialed pin code.

6. M unit control:

1. Short press KH1 - sequential mode selection: A) TOYOTA, LEXUS, SUBARU - for cars with a key frequency of 134.2 kHz
B) AUDI, MERCEDES - for cars equipped with a system similar to FBS4 MERCEDES
C) OTHERS - most other cars with a key frequency of 125 kHz.

2. Long press KH5 - lock / unlock from accidental short button presses (LOCK on the screen)
3. Long press KH7 enable/disable PIN code request (PIN on the screen)
4. Short single flashes of the green LED - search for communication with block B.
5. Short double flashes of the green LED - communication with unit B is established.
6. Steady green light - the code is being broadcast.
7. Blue LED flashes - pre-block signal from the machine.

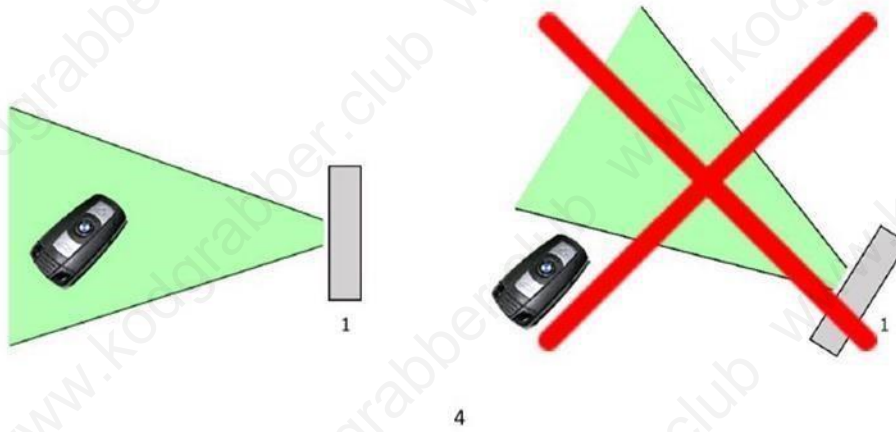
1. Turn on unit B. If necessary, connect an external antenna: an antenna with a BLUE connector for AUDI, MERCEDES mode, with a RED connector for other modes.



2. **CONNECT OUTDOOR ANTENNA ONLY TO UNIT POWERED OFF.**

3. **DO NOT POWER ON BOTH UNIT AT THE SAME TIME NEXT TO EACH OTHER**

4. Place block B next to the key. The distance between block B and the key should be no more than 4-6 meters (10-12 for an external antenna). Make sure that the plane of the block is perpendicular to the key in this position, the maximum range.



5. Double flashes of the green indicator and indicate the presence of a connection between the blocks.
6. To open the door, bring block M to the handle and touch it or press the button on the handle (depending on the model) - green should light up constantly, and blue should flash periodically.
7. To start, place block M in the passenger compartment, approximately in the area of the console between the seats (for Toyota, for other models it is determined experimentally) and press the START button. Green should be constantly on, and blue should flash periodically. No need to bring the block M is close to the START button, this place is used to start with a key with a dead battery (for Toyota) and interference from the button will interfere with the normal operation of the unit.
8. **DO NOT LEAVE APPLIANCES ON AT THE SAME TIME FOR A LONG TIME THIS WILL DOWN THE BATTERY RAPIDLY AND MAY CAUSE THE UNIT OVERHEATING.** To prevent this from happening, it is enough to turn off the M block in the intervals between work. Try to turn on the M block only near the machine and turn it off immediately after work.

External antenna.



FOLDING

1. Bring shoulder 1 to shoulder 4.



2. Bring shoulder 1 to shoulder 2.



The antenna is unfolded in the reverse order.

At
look



To work, unfold the antenna and place the plane perpendicular to the key. Make sure that the antenna has the shape of a square - in this case, the range is maximum.