

LONG.

The device is designed to work with cars equipped with the KEYLESS GO keyless entry system and has 2 transmission modes: SHORT_KEY - broadcasts a signal only from the car to the key (the distance between the blocks is 15-150 meters and depends on the condition of the battery in the key) and LONG_KEY broadcasts the signal from the car to the key and from the key to the car (the distance between the blocks is up to 1000 m - in the line-of-sight zone with unfolded antennas.). The kit consists of 2 blocks - large (B) and small (M), 2 chargers, a vibrator and an external antenna.

ANTENNAS IN BLOCKS ARE NOT REMOVABLE. THEY CAN ONLY BE FOLDED AND DISCORDED IN THE PLANE AS THEY ARE INSTALLED. DO NOT ATTEMPT TO TURN THEM SIDE OR UNSCREW - THIS WILL CAUSE BREAKDOWN.

THE MAXIMUM RANGE BETWEEN THE UNITS IS REACHED WHEN THE ANTENNAS ARE FULLY EXTRACTED ON BOTH UNITS.

IN THE SMALL UNIT, WHEN WORKING WITH THE FULLY FOLDED ANTENNA, THE OVERLOAD PROTECTION MAY ACTIVATE AND IT WILL AUTOMATICALLY SHUT OFF. TRY TO EXPAND THE ANTENNAS AT LEAST 45 DEGREES.





Description of blocks.

Block B:



1. Green LED. (led_green)
2. Red LED (led_red)
3. Blue LED (led_blue)
4. Connector for vibrator or headphones
5. Charger connector
6. Power switch

7. Connector for external antenna
8. Antenna switch (0 - internal, 1 - external)
9. Screen
10. Antenna (NOT REMOVABLE - DO NOT TRY TO TWIST IT OR BEND IT)

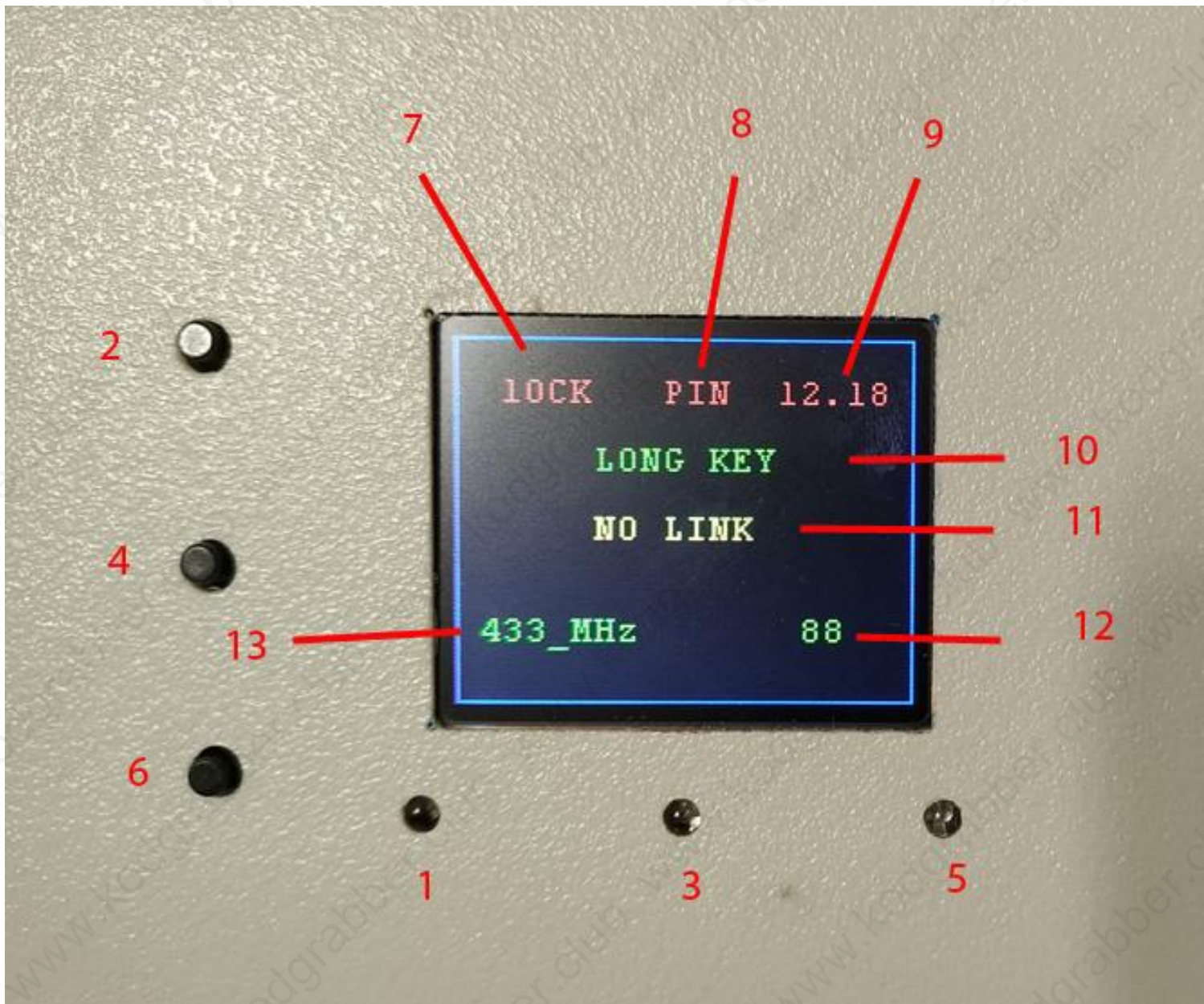
Block M:



1. Antenna (NOT REMOVABLE - DO NOT TRY TO TWIST OR BEND IT)
2. Charger socket
3. Power switch

The power switch is located on the bottom side.

Front panel:



1. Green LED (led_green)
2. KH1 button
3. Red LED (led_red)
4. KN2 button
5. Blue LED (led_blue)
6. KN3 button
7. Button lock indicator (LOCK-buttons are locked)
8. PIN code indicator
9. Battery voltage
10. Main operation mode (SHORT_KEY or LONG_KEY)
11. Indicator of lack of communication between blocks.
12. Frequency
13. Mode

Each button has an LED that lights up when the corresponding button is pressed.

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

The blocks are charged ONLY WITH THE CHARGERS SUPPLIED. Charging is indicated by a red indicator on the charger, when charging is completed, the indicator color changes to green.

THE UNITS MUST BE POWERED OFF DURING CHARGING.

2. All control is made from the M block. After switching off, the selected mode is saved.

3. Set the antenna switch 8 located on unit B to position 0 to work with the internal antenna, or connect an external antenna to the antenna connector and set the switch to 1. CONNECT THE EXTERNAL ANTENNA AND SELECT THE TYPE OF THE ANTENNA ONLY WHEN THE POWER IS OFF.

4. Turn on unit B. The green LED should be constantly on. If the LONG_KEY mode is enabled, in addition to the green one, the red LED will flash at an interval of approximately 1 time per half second.

5. If the green LED does not light up and the red LED flashes quickly, then the battery is discharged, WORKING IN THIS MODE IS NOT POSSIBLE - SWITCH OFF THE UNIT AND CHARGE THE BATTERY.

6. Turn on the M unit. If red flashes quickly and on the LOW_BATTERY screen, it means that the battery is discharged, WORKING IN THIS MODE IS NOT POSSIBLE - SWITCH OFF THE UNIT AND CHARGE THE BATTERY

7. If the PIN code request is enabled, the PIN code entry screen will appear:



Short presses of KH1 move the cursor, short presses of KH2 and KH3 type the number at the cursor location. After dialing all the digits, long pressing KH1 confirms the input of the dialed pin code.

8. M unit control:

1. Short press KH1 - select the main mode SHORT_KEY or LONG_KEY

2. Long press KH2 - lock / unlock from accidental short button presses (LOCK on the screen)

3. Long press KH3 - enable / disable the 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.

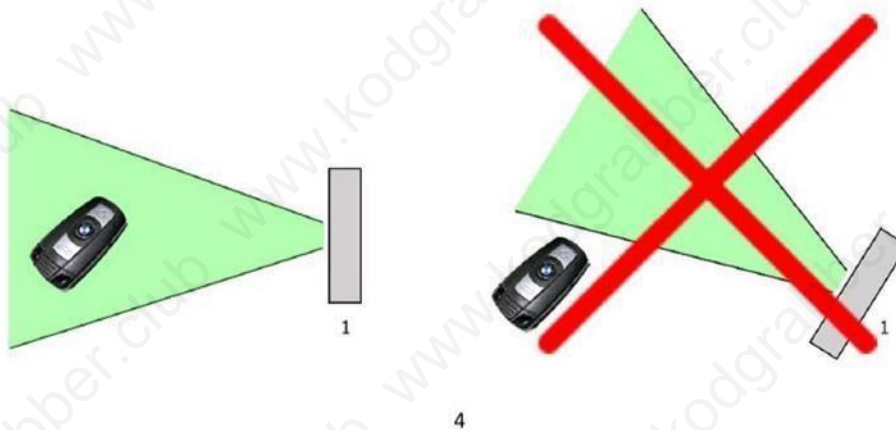
6. Steady green light - the code is being broadcast.

The main method of operation: place the units at a distance of several meters so that they do not interfere with each other, turn on both units, the green should flash with double flashes and there should be no NO_LINK on the screen, select the mode in which you are going to work on the M unit, the units are synchronized, and on both will be the same mode. Now they can be turned off and the next time they are turned on, they will both be in the desired mode. Try to keep the M unit turned off and turn it on near the car, this will save it from battery drain and overheating.

SHORT_KEY MODE

This is a one-way transmission mode from car to key. Pros: Works regardless of model. The disadvantage is the small distance between the blocks, which greatly depends on the condition of the battery in the key (15-70 meters). This device in Audi and Mercedes DOES NOT WORK.

1. Short press KH1 to select the main mode: SHORT_KEY
2. Short press KH2 or KH3 to select the desired sub-mode: 134_KHz for Toyota, Lexus, Subaru or 125_KHz for most other cars.
3. 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.



4. Double flashes of the green indicator and the absence of the NO_LINK inscription indicate the presence of a connection between the blocks.
5. 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.
6. 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.
7. 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.

LONG_KEY MODE

The distance between the key and the machine must be more than 30 meters, otherwise the signal from the key will be superimposed on the broadcast signal and interfere with normal operation. For short distances, use the SHORT_KEY mode. Modes can be quickly changed on block M, if there is a connection on block B, the required one will be installed automatically.

1. Short press KH1 to select the main mode: LONG_KEY
2. Short press KH2 to select 433 MHz or 315 MHz
3. Short press KH3 to select the desired sub-mode:

OOK keys with OOK modulation (old RAV4 etc) FSK

keys with FSK modulation (old Prado etc) 88 keys

with Page1:88

A8- keys with Page1:A8 (the distance from the large block to the key must be AT LEAST 2.5-3 meters for correct operation).

A9-keys with Page1:A9

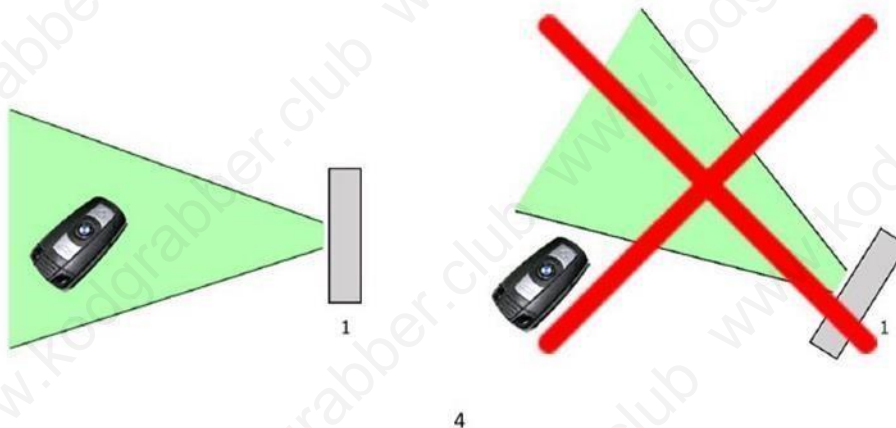
AUTO-automatic mode.

In automatic mode, a large block looks for a suitable key. Immediately after the discovery of the key, block B. switches to the mode corresponding to the key. If there is a connection, the M. unit switches to the same mode as the B. (if the M. mode is set to : AVTO). In this mode, the M. unit DOES NOT RESPONSE to the car, but waits for the B. unit to find the key. To work, wait until block B. finds the key and the blocks are synchronized or switch block M to the desired mode.

In AVTO mode, the B. block searches for the key, whether the M. block is turned on or not.

In the AUTO mode, the B. unit detects the keys from Page1:88 as A8, and then the small unit will switch to the desired mode by a signal from the machine.

4. If block B is enabled, the blocks are synchronized and block B will search for the key. Flashes of the red LED on block B indicate the search for the key.
5. 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.



6. When a suitable key is found in the field of view on block B, the blue and red LEDs will periodically flash simultaneously. If there is no connection between the blocks, the frequency of flashes is 2 times per second, if there is a connection, 1 time per second. In parallel, the presence of a key in the visibility zone can be controlled using a vibrator or headphones - with each response from the key, a squeak or vibration will be heard. Headphones can be used with any 3.5 mm plug. STEREO only. Inserted into slot 4 on block B. HEADPHONES NOT INCLUDED.

Those. if the blocks are synchronized, then block B will look for the key, even if block M is turned off. You can use block B to find the key, and block M is already turned on directly at the car.

7. Double flashes of the green indicator and the absence of the NO_LINK inscription indicate the presence of a connection between the blocks.
8. 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 and red flash periodically. If only blue flashes (but not red), then the operating mode or frequency is incorrectly selected.

9. 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 and red should flash periodically. No need to bring block M close to the START button, this place is used to start the key with a dead battery (for Toyota) and interference from the button will interfere with the normal operation of the block.

DO NOT LEAVE APPLIANCES ON AT THE SAME TIME FOR LONG TIMES THIS WILL DOWN THE BATTERY RAPIDLY AND MAY CAUSE THE UNIT OVERHEATING. To prevent this from happening, it is enough to turn off the blocks (at least block M) in the intervals between 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.