IGLA

OPERATING MANUAL

AUTHOR ALARM

Dear car owner!

Please note that the AUTHOR Alarm's anti-theft devices are not intended for self-installation.

We strongly recommend to install and configure the purchased equipment only in certified installation centers.

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GENERAL INFORMATION

IGLA is unique device to protect your car from theft. The device has an innovative mechanism of engine locking that uses standard wiring of the car so there is no additional wiring that can be easily found. The security system can be deactivated using the key fob, smartphone or by entering the PIN-code from the standard vehicle buttons.

The device cannot be found by any known means. IGLA does not show itself until the engine is started. Moreover, due to its small size the device can be installed almost anywhere in the car.

IGLA is a new smart way to protect your car!

Benefits of the system

- Digital locking of the engine without intervention into the car control units and circuits.
- Smart locking of the engine based on the readings data from car sensors and car status analysis.
- The device does not show itself until the engine lock is activated.
- The key fob, smartphone or the PIN-code that you enter with the standard vehicle buttons can be used for security system deactivation.
- Use your smartphone as a key fob
- Service mode (with automatic log out option) or Transport mode
- Anti-Hi-Jack mode – locking of the engine in case of theft by violent means
- Comfort and Ventilation options

IGLA SYSTEM OPERATION

Security deactivation

In order to start driving you should log into the system via one of the following ways:

- you should have the key fob or smartphone (paired to the system);
- enter the PIN-code using the standard vehicle buttons.

If the key fob was detected (PIN-code was entered correctly), the system will signal with indication, the engine will not be locked and you can start driving. If the key fob was not detected (PIN-code was incorrect or was not entered at all), IGLA will lock the engine.

In some car models the system switches to the engine start inhibit mode after the engine is shut off. In order to unlock the engine you should switch ON the ignition without starting the engine (without pressing the brake pedal), enter the PIN-code and start the engine.

The locking method (engine start inhibit and/or locking of the running engine) depends of the IGLA system settings and the car brand/model.

The security system is activated in 10 seconds after the ignition is OFF.

Authorization with the key fob or with smartphone

Do not leave the key fob (smartphone) inside the car when the ride is over. Otherwise the anti-theft functions of the system will be deactivated.

In order to log into the system it is enough to have the key fob or smartphone paired to the system. You can register 2 key fobs and 2 smartphones in the IGLA system memory. For authorization in the system you need to have with you at least one registered device.

Get into the car and switch ON the ignition. When the key fob/smartphone is detected, the system will give out two verification signals (see the annex), after that you can start driving.

If the key fob/smartphone is not detected, there will be no verification signals and if one attempts to start the engine or drive, the engine will be locked.

Authorization with the PIN-code

The authorization method depends on the chosen way of engine locking:

- If the system inhibits the engine start, the PIN-code should be entered before the start of the engine.
- If the system does not inhibit the engine start, the PIN-code can be entered both before the start of the engine or after.

The initial PIN-code is set by the specialists of the service centre. Before running the system for the first time change the PIN-code and memorize a new one (see page 18).

Get into your car, switch ON the ignition, start the engine if needed and enter the PIN-code using the standard vehicle buttons*.

* Some buttons start functioning in 2-5 seconds after switching on the ignition or starting the engine (see the annex). Moreover, some buttons can be pressed not more than one time per second.

It is recommended to enter the PIN-code right before the ride. The interval between the pressing of the buttons shall not exceed 2 seconds. There is no difference between long and short press of the button.

After you enter the correct PIN-code there will be 2 indication signals* and you can start driving.

If the PIN-code is not correct, there will be no confirmation signals and if one attempts to start driving or start the engine, the engine will be locked (see page 16). The second attempt to enter the PIN-code is available in 5 seconds after the failed attempt to log in or after switching OFF the ignition for 10 seconds and starting the ignition again.

Step-by-step authorization and two-factor authorization

In **step-by-step authorization mode** to start driving the car you need to go through two authorization stages:

1. You must have with you the key fob or smartphone used as a key fob when you switch ON the ignition. Starting the engine will be allowed (even if the system is switched to engine start inhibit), however IGLA will shut off the engine when you try to drive while no PIN-code was entered.
2. To complete the authorization, you must enter PIN-code via standard buttons in the car.

* The indication signals depend on a car brand/model.

To provide the maximum level of security you can use **two-factor authorization mode** in IGLA system. In this mode, the engine can be started only if two conditions are observed:

- The car owner has key fob or smartphone with him;
- PIN-code is entered via standard buttons in the car.

By default, Step-by-step and Two-factor authorization modes are disabled in the system. To enable one of these modes, activate the corresponding menu item:

1. Switch ON the ignition without starting the engine and enter the PIN-code to authorize.
2. Press the accelerator pedal* as far as it can go and keep it pressed.
3. Press the service button:
   - 23-times to switch ON Step-by-step authorization.
   - 24-times to switch ON Two-factor authorization.

   The indication signals (23 or 24 signals) will confirm that the corresponding mode is activated.
4. Release the accelerator pedal*.

The system will disable step-by-step or two-factor authorization if:

- If you choose another authorization mode;
- If you erase key fobs/smartphones from the system memory;
- If you reset the PIN-code.

Anti-Hi-Jack mode

This mode allows to prevent the violent theft of the car. In case of hijack it enables the engine locking when the car is at the safe distance from the car owner.

If you need Anti-Hi-Jack mode to be activated you should switch it ON. ***By default, the Anti-Hi-Jack mode is switched OFF.***

In order to switch ON Anti-Hi-Jack mode do the following:

1. Switch ON the ignition without starting the engine and enter the PIN-code to authorize.
2. Press the accelerator pedal* as far as it can go and keep it pressed.
3. Press the service button 16-times (16 indication signals will confirm that this mode is switched ON).
4. Release the accelerator pedal.

The «Anti-Hi-Jack» mode is activated automatically if the following conditions are met:

- you are logged into the system (via key fob, smartphone or the PIN-code)
- the engine is running
- the driver's door was open for more than 3 seconds
- the brake pedal is not pressed

After the «Anti-Hi-Jack» mode was trigged by the theft and the car has travelled 300 meters the external light-signals** will start flashing (brake lights/parking lights

* For some car models other controls are used instead of an accelerator pedal model.

** The signals depend on a car brand/model.

and alarm lights) warning the other drivers about the possible stop. At the same time inside the car there will the quickening light and sound signals.

In 20 seconds after the warning signals started the alarm switches on (the horn signal and the alarm lights) and the engine will be locked. The engine will be locked only then the car stops or it has low speed (up to 30 km/h).

The Anti-Hi-Jack engine locking can be deactivated any time after its triggering by entering the valid PIN-code when ignition or engine is on. The Anti-theft mode is not deactivated if the key fob or smartphone is inside the car – only PIN-code entering can deactivate this mode.

Service mode

The service mode is used for a temporary deactivation of the anti-theft device when you give your car for the maintenance (without giving away the PIN-code and saying about the device).

For quick activation and deactivation of service mode use the mobile application Author Config, page 22.

It is better to activate the service mode before the ignition or the engine is off at the end of the trip.

After the authorization (after the PIN-code is entered) press the service button 5 times.* The interval between presses shall not be more than 2 seconds. The activation of the service mode will be confirmed by 5 indication signals**.

* See the annex. ** The signals depend on a car brand/model.

The service mode can be deactivated in two different ways:

1. Automatically – when you finished driving and the speed during your ride had reached 50 km/h at least once and the car had been in motion at least 3 minutes without stops (or with stops that were not longer than 3 minutes).
2. Manually – via entering valid PIN-code.

The double indication signal will show that the service mode is deactivated.

After the deactivation of the service mode next time the ignition is switched ON or the engine is started you will have to use the key fob, smartphone or enter the PIN-code before the ride.

Transport mode

The Transport mode is used for temporary switch OFF of the anti-theft system IGLA and in comparison to the Service mode it can be deactivated only via entering PIN-code.

This mode is used if you want to drive your car for a long time without anti-theft functions (and you do not want these functions to start automatically when you increase the speed). This mode **can not be deactivated automatically** when the speed is reaching 50 km/h.

In order to activate the Transport mode you need the plastic card with individual Emergency code, hidden under the protective layer. The card is a part of the anti-theft system set.

1. Switch ON the ignition without starting the engine.
2. Press the brake pedal and while keeping it pressed press the accelerator* pedal a certain number of times as far as it can go where the number is equal to the first figure in the Emergency code. Release the brake pedal. The first figure of the code will be entered.
3. Input all the rest figures of the Emergency code in the same way (see item 2).

If the PIN-code is correct, the device will pass into the PIN-code change mode and will give out indication signal every 3 seconds. Press the service button 5 times.** The interval shall not be more than 2 seconds. The activation of the service mode will be confirmed by 5 indication signals.***

In order to deactivate the transport mode enter the valid PIN-code. The 2 indication signals will show that the service mode is deactivated.

Protection from car key programming

Protection from car key programming (key cloning) is available for some car models (find more info at our web-side author-alarm.com, in section System compatibility). This option protects the car from programming a new chip for car key that could be used by criminals to start the engine.

If you need to program a new car key in the service centre the Service mode shall be switched ON. You can do it by pressing Service button 5 times after the authorization in the system was successful.

* For some car models other controls are used instead of an accelerator pedal.
** See the annex. *** The signals depend on a car model.

ADDITIONAL FEATURES

Additional options are activated/deactivated according to the item «Options of the anti-theft IGLA system», page 41.

*The additional options availability depends on the car model and its configuration.**

Comfort option

Some car models* support Comfort option that closes all windows and the sunroof when the security system is activated using a standard car key. This option is **deactivated** by default.

Ventilation option

Some car models* support Ventilation option that opens the windows after a triple click on the standard car key for car security system deactivation (unlock the car). This option is **deactivated** by default.

Opening and closing of central lock in a particular case

In some car models* for the driver's security the central lock closing option is available when the speed exceeds 10 km/h. This option is activated once after the ignition is started. The option of the central lock closing is **activated** by default.

For the cars with the ignition key the central lock opens when the key is pulled away from the ignition. If the car has START-STOP button the central lock opens when the ignition is OFF. The option functions only after

* See the section System compatibility on the web-site author-alarm.com

the authorization. By default the central lock opening option is **deactivated**.

Additional options

There are additional options for some car models*, e.g. automatic switch off START-STOP function, change of indication signal in IGLA system etc.

* See the section System compatibility on the web-site author-alarm.com

Engine locking

The anti-theft system IGLA prevents the car theft by stall of the running engine the engine start inhibit.

The method of locking is set **automatically** when the device is connected to the car:

- for some car models only the engine start inhibit is available
- for some car models it is only possible to stall the running engine
- for others both methods are available. In order to deactivate the engine start inhibit see the item «Options of the anti-theft system IGLA», page 41.

An additional locking circuit is activated at the attempt of driving without authorization (or in Anti-Hi-Jack mode) when there is no data in the CAN-bus that needed for the IGLA system or the digital locking has failed. In other cases the activation of the additional circuit is impossible.

To deactivate the engine locking enter the current PIN-code or switch OFF the ignition for more than 10 seconds.

PIN-code setting

1. Make sure the ignition is switched ON, the RED and the GREY wires are connected to permanent power supply «+12V», the device is in PIN-code setting mode (the indication signal flashes every 3 seconds).

2. Enter a PIN-code using the buttons available for programming (see the annex). Every click must be followed by the indication signal. The number of clicks shall be in the range from 3 to 20 clicks. The interval between clicks shall not be more than 2 seconds. There is no difference between long and short press of the button.
   Different combinations of buttons and their order can be used, e.g. if you press CRUISE ON/OFF two times and press CRUISE SET- once, the system will save all the clicks in this order. When the PIN-code is entered there will be 3 indication signals.
3. Enter the current PIN-code once again. If PIN-codes match there will be 2 indication signals and the **PIN-code will be successfully saved**.
   If there are 4 indication signals, it means the PIN-code do not match and the **PIN-code has not been saved**. Switch OFF the ignition for 3 sec. and repeat the items 1-3.
4. Switch OFF the ignition.
5. Disconnect the RED and the GREY wires from the permanent power supply «+12V» in order to reload the device.
6. Connect only the RED wire to the supply circuit (do not connect the GREY wire!).

If the initial PIN-code is set by the specialists of the service centre during the installation, it is strongly recommended to change it and memorize a new one (see below).

Device number check

This check is necessary to confirm the connection between the plastic card with codes and the installed device. If the open Serial number on the card does not match with the device, the only way to change the forgotten PIN-code for the new one will only be possible in a specialized service centre.

It is recommended to do this check right after one gets the car with the installed anti-theft system IGLA from the service centre.

1. Switch ON the ignition without starting the engine.
2. Press the brake pedal and while keeping it pressed press the accelerator* pedal a certain number of times as far as it can go where the number is equal to the first figure in the Serial number (indicated on the plastic card). Release the brake pedal. The first figure of the Serial number will be entered.
3. Input all the rest figures of the Serial number in the same way (see item 2).

If the Serial number matches with IGLA, the system will signal with 2 flashes. If nothing happens, that means the number was entered incorrectly or it does not match with the installed device number.

Change of PIN-code

The PIN-code set in the service centre shall be changed when the car-owner get his/her car back from the service centre with the anti-theft system IGLA installed.

* For some car model other controls are used instead of an accelerator pedal (see the annex).

Also it is recommended to change the PIN-code if you suspect someone has watched you entering the PIN-code.

1. Switch ON the ignition without starting the engine.
2. Enter the current PIN-code to authorize. There will be 2 indication signals.
3. Press the accelerator pedal* as far as it can go and keep it pressed.
4. Enter the current PIN-code once again. The device will pass to the PIN-code change mode and the indication signals will start flashing every 3 seconds. Release the accelerator pedal*.

> *If the current PIN-code includes «Slight touch on accelerator pedal», after the authorization (item 2) it is necessary to enter the PIN-code once again and then press the accelerator pedal as far as it can go and keep it pressed until indication appear. Then perform item 5.*

5. Enter the new PIN-code using the buttons available for programming (see the annex). **Every click will be followed by the indication signal**. The number of clicks shall be in the range from 3 to 20 clicks. The interval between clicks shall not be more than 2 seconds. There is no difference between long and short press of the button.
   Different combinations of buttons and their order can be used, e.g. if you press CRUISE ON/OFF two times and press CRUISE SET- once, the system will save all the clicks in this order. When the PIN-code is entered there will be 3 indication signals.

* For some car model other controls are used instead of an accelerator pedal (see the annex).

6. Enter the current PIN-code once again. If PIN-codes match there will be 2 indication signals and the **PIN-code will be successfully saved**.
   If there are 4 indication signals, it means the PIN-code do not match and the **PIN-code has not been saved**. Switch OFF the ignition for 3 sec. and repeat the items 1-6.
7. Switch OFF the ignition.

Memorize the new PIN-code or write it down after it has been changed. ***Do not leave information about new PIN-code and the plastic card with the Emergency code inside the car!***

PIN-code emergency resetting

In case the current PIN-code is lost the car-owner can reset it and set the new one. In order to reset the PIN-code one needs the plastic card with Emergency code, hidden under the protective layer. The card is a part if the anti-theft system IGLA. Prepare the card before the PIN-code resetting procedure.

1. Switch ON the ignition without starting the engine.
2. Press the brake pedal and while keeping it pressed press the accelerator* pedal a certain number of times as far as it can go where the number is equal to the first figure in the Emergency code. Release the brake pedal. The first figure of the code will be entered.

* For some car model other controls are used instead of an accelerator pedal (see the annex).

3. Input all the rest figures of the Emergency code in the same way (see item 2).

If the PIN-code is correct, the device will pass into the PIN-code change mode and will give out indication signal every 3 seconds. If there is no indication, the code is incorrect. In this case switch OFF the ignition and repeat the steps for resetting.

If the resetting was successful and the device is switched to the PIN-code change mode please enter the new PIN-code (3-20 clicks). Different combinations of buttons and their order can be used, e.g. if you press CRUISE ON/OFF two times and press CRUISE SET- once, the system will save all the clicks in this order. When the PIN-code is entered there will be 3 indication signals. Enter the same PIN-code again.

If PIN-codes match there will be 2 indication signal and new PIN-code will be saved. If there are 4 indication signals, it means the PIN-codes do not match. In this case repeat all of the steps for PIN-code resetting, beginning with step 1.

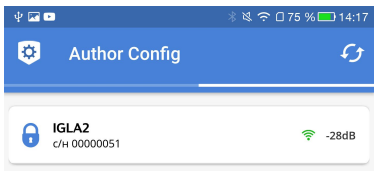
AUTHOR CONFIG MOBILE APPLICATION

For settings change in the IGLA system that works with key fobs and smartphones use the mobile app **Author Config** for Android (4.3 and higher). Click on the link to download the **Author Config** app:

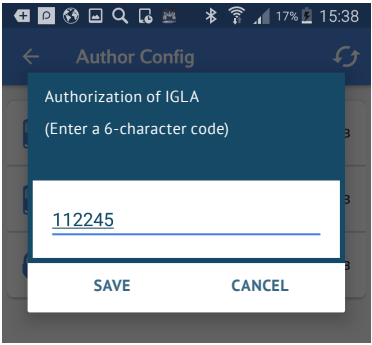
https://play.google.com/store/apps/details?id=com.dma.author.authorconfig

In order to get the access to the system settings follow the next steps:

1. Switch ON Bluetooth in your smartphone.
2. Run the Author Config app.
3. Wait till you see the device on the screen. At least one active key fob and the IGLA system shall be within the Bluetooth range.



4. Enter the device menu selecting it on the screen. The app will ask you to authorize in the system.



5. Enter 6-digit Bluetooth pairing code (under protective layer) from the plastic card that is included in the IGLA system set, and press Save.

Some smartphone models support work only with one Bluetooth device at a time.

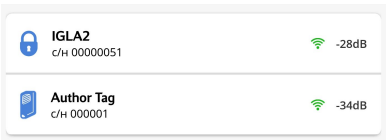
If there is Bluetooth connection with the car multimedia system in your smartphone by default, make sure Author Config app can be started and it can connect to IGLA system. Otherwise it is necessary to break the link between the smartphone and multimedia system (cancel the automatic connection to the system in the settings of the smartphone).

Display of key fobs and smartphones

The key fobs and smartphones registered in the system are displayed on your smartphone screen according to their status:

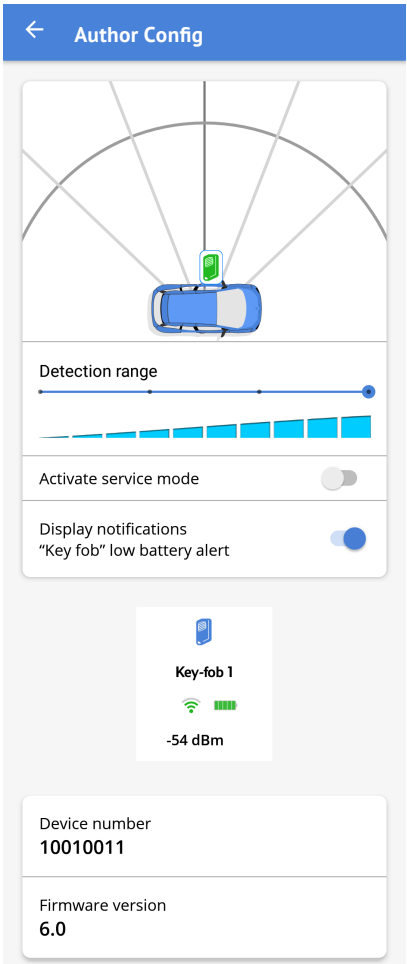
- green - within the detection zone
- red - outside the detection zone
- grey - not active

Only **one** key fob (smartphone) is displayed in green - the one that was used for the authorization. In order to display a particular key fob/smartphone all other key fobs/smartphones shall be switched OFF. If the authorization is not complete, all registered key fobs and smartphones will be displayed on the screen.



The signal level displayed on screen near each key fob (smartphone) can change from time to time depending on specifics of the radio channel work.

The successful authorization is memorized by the IGLA system when Author Config app is launched in your smartphone. It allows to change the system settings even when the key fobs or the smartphones (used as key fobs) are no longer within the detection zone.


Author Config
Detection range
Activate service mode
Display notifications
“Key fob” low battery alert
Key-fob 1
-54 dBm
Device number
10010011
Firmware version
6.0

Setting of detection range zone for key fobs and smartphones

IGLA system allows to set the distance on which the key fob or smartphone will be detected and authorize in the system.

While setting the detection range the smartphone used for it must be within the detection zone of the IGLA system.

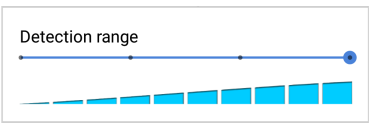
The distance is set for **ALL** key fobs and smartphones (with Author ID installed) no matter if they are within the detection zone of IGLA system or not.

System settings change in Author Config app is possible even of the key fobs/smartphones became inactive (grey) after the authorization or are outside the detection zone (red).

1. If you authorize via key fob

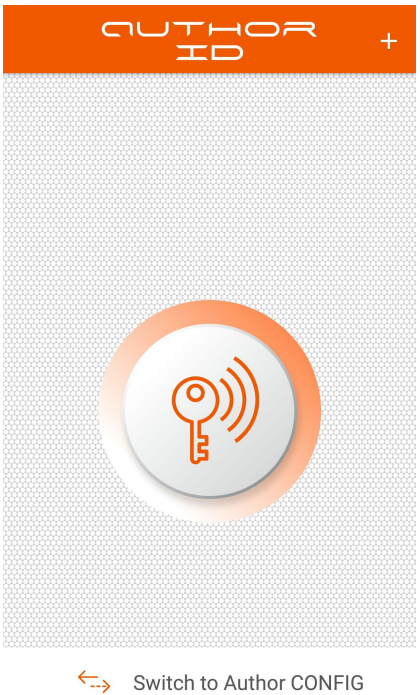
If the authorization was via key fob, use **Author Config** app to set the detection range for key fobs and smartphones.

Move the slider to set the distance on the scale «Detection range». The chosen value will be set for **all** registered key fobs and smartphones and is saved automatically.



2. If you authorize via smartphone

If the authorization was via smartphone, do the following to set the detection range for key fobs and smartphones*:



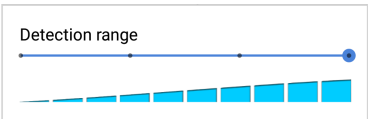
* While setting the detection range for smartphone used as a key fob Author ID and Author Config must be switched on.

1. Log into **Author ID** app for Android (5.0 and higher). Press «Key» button on the screen to do that. The lighting shall change from grey to orange. Than go to Author Config app by pressing the button in the lower part of the screen.

https://play.google.com/store/apps/details?id=com.dma.author.authorid

2. Set the distance in **Author Config** app.

Move the slider to set the distance on the scale «Detection range». The chosen value will be set for all registered key fobs and smartphones and is saved automatically.



Features of Author Config app

Note that the information about the change of distance and the current radius value is not displayed in Author Config immediately. If you have moved away from the car, wait till the information on the screen will be updated.

Be careful to set the distance for smartphones at minimum range! It can lead to the situation when in order to return to the previous settings it will be necessary to locate the key fob/ smartphone very close to the device (for authorization).

Below you will find issues that can arise while using Author Config app and the solutions.

1. **To have the device displayed in Author Config** it is necessary to:

- launch the Author ID app and press the «Key» button on the screen;
- wait for 5 seconds;
- return to Author Config app and select the device that is now in the list;
- wait till the connection is established and all details are displayed on the screen.

2. **If you logged out of Author Config app** you have 10 seconds when you can return without authorization. After the message «Device is switched off» is displayed, wait for some time and find the device in the list of the linked devices and select it again. Wait till the connection is established and all details are displayed on the screen.

3. **If it is necessary to start Author Config** again after the settings were changed do the following steps:

- press the button «ReConnect Author ID» in the low right corner of the Author Config app;
- go to Author ID app;
- press the «Key» button in the center of the screen, if the button was not active (grey). If the button was active (orange), press it, wait for 6 seconds and press it again to switch on;
- return to Author Config app within 40 seconds and select the device that is now in the list;
- wait till the connection is established and all details are displayed on the screen.

4. **If the reconnection failed** exit Author Config app (close it), start it again and repeat steps described in the item 3.

5. If you use for authorization and for settings of the detection range the same types of key fobs (only smartphones or key fobs), it is recommended to restart the Author Config app to view the key fobs of other types. Otherwise the key fobs will not be displayed.

Service mode

The service mode is used for a temporary deactivation of the anti-theft system when you give your car for the maintenance (without saying about the device).

In order to switch ON or switch OFF the service mode use the slide-switch «Activate service mode».

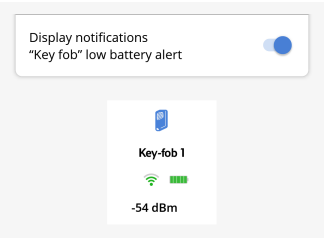
The service mode can be deactivated only when there is at least one key fob or smartphone within the IGLA system detection zone.

The procedure for activation and deactivation of the service mode using an accelerator pedal is described above in the section Service mode (page 11).

Information about key fobs battery charge level

If the key fob battery charge level is less than 7%, the standard indication signal will blink 3 times.

Notification of the battery charge level are active by default. In order to switch OFF the notification use the slide-switch «Display notification Key fob low battery alert».



Log out from application

After you finished working with Author Config app it is recommended to log out correctly from application:

- close the Author Config app;
- switch to Author ID app;
- press the «Key» button in the center of the screen (orange lighting of the button shall be changed to grey);
- close the Author ID app.

Otherwise when you switch ON Bluetooth next time the Author ID app will be activated automatically.

CONNECTION AND DELETING OF KEY FOBS AND SMARTPHONES

Deleting of key fobs

If you lost key fob erase it from the device memory to prevent the car theft.

To erase the key fob change the current PIN-code to the same PIN-code (see page 18), do not switch OFF the ignition and press the service button* 10 times. Press the button within 10 seconds after PIN-code confirmation.

If the PIN-code is successfully changed there will be two indication flashes. If the key fob was successfully erased there will be again two flashes.

During this procedure all saved in the memory key fobs and smartphones will be erased!

Connection of key fobs

Automatic connection

This method of connection is suitable only for new key fobs bought from the manufacturer and not connected before to any immobilizer. For the key fobs that was once connected and then disconnected use the Manual connection procedure (see page 34).

In order to connect a new key fob do the following:

* See the annex.

1. Make sure the key fob can be used for automatic connection with the device:
   - insert the battery in the key fob;
   - make sure the LED is flashing with green light.
2. Take out the batteries from all key fobs including those connected to the system and switch OFF Bluetooth on all smartphones.
3. Switch ON key fob connection mode:
   - Switch ON the ignition without starting the engine.
   - Authorize in the system via PIN-code
   - Press the accelerator pedal as far as it can go and keep it pressed*
   - Enter the PIN-code again
   - Release the accelerator pedal when indication signal will start flashing every 3 seconds
   - Press the Service button** 2 times

During connection procedure the key fob interaction radius is limited. For successful pairing it is recommended to put the key fob as close to IGLA system as possible (1 meter or closer).

4. Insert the battery into the new key fob. The LED on key fob will start flashing continuously with green light. After the successful connection the LED will blink once with red light.

If the connection did not happen, the green blinking stops in 30 seconds after inserting the battery.

Be sure to check the key fob operation after connection it to the device.

* For some car model other controls are used instead of an accelerator pedal.
** See the annex.

Manual connection

This method of connection is suitable for key fobs that was once connected and then disconnected from any immobilizer by AUTHOR-Alarm.

Use only key fobs with indication M52L on electronic board. Do not use older version key fobs with indication M24 on electronic board.

1. Take out the batteries from all key fobs including those connected to the system and switch OFF Bluetooth on all smartphones.
2. Switch ON key fob connection mode as indicated in item 3 on page 33.
3. Close the key fob contacts (with a piece of aluminum foil or a piece of metal) as shown on the drawing and insert the battery element. The LED on key fob will start flashing continuously with green light. After the successful connection the LED will blink once with red light.

If the connection did not happen, the green blinking stops in 30 seconds after inserting the battery.

Be sure to check the key fob operation after connection it to the device.

Use your smartphone for authorization

IGLA system supports connection of two smartphones that can be used as a key fob for automatic authorization.

This function is available for most smartphones with different operation systems:

- iOS 8.0 and higher
- Android 5.0 and higher (with Bluetooth 4.0+ LE)

Maximum two smartphones can be used as key fobs.

For authorization in IGLA system via smartphone download and install **Author ID** app:

https://itunes.apple.com/ru/app/author-id/id1144594689?mt=8
https://play.google.com/store/apps/details?id=com.dma.author.authorid

Download on the App Store

GET IT ON Google Play

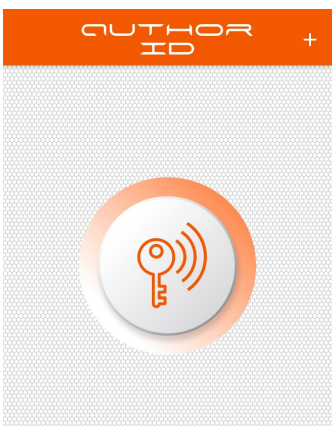
Before connection of smartphone to the IGLA system please check that your smartphone is not connected via Bluetooth to other devices (car multimedia system, hands-free system, etc.). Check that active key fobs are not near the IGLA system (take out the battery element from key fobs).

For each smartphone the connection procedure should be done separately:

1. Switch ON Bluetooth in your smartphone.
2. Start **Author ID** app.

«Bluetooth Peripheral mode not supported». If you have this message in Author ID app. in your smartphone, use the pairing Mode №2 in IGLA system.

3. Switch ON the ignition without starting the engine.
4. Authorize in the system via PIN-code.
5. Activate the PIN-code change mode (press the accelerator pedal* as far as it can go, enter the current PIN-code and release the accelerator pedal). The indication signal will start flashing once in 3 seconds.
6. Press the service button 1 time.
7. Press «+» button to add new device.



* For some car model other controls are used instead of an accelerator pedal.

8. In a pop-up window enter the Bluetooth pairing code indicated on the plastic card supplied as a part of the set. After this your smartphone will be connected to IGLA system.
9. Press the «Key» button in the center of the screen in order to activate the key fob mode (the button lightning will change from grey to orange color).
10. Switch OFF the ignition.

Switch ON the ignition. Two indication flashes will be provided on the dashboard if smartphone pairing was successful.

Now your smartphone will be functioning as a key fob. The connection to the IGLA system is done via the encrypted channel.

Smartphone will be functioning as a key fob only when Bluetooth is switched ON.

The Smartphone as key fob is activated at distance from 0,5 to 10 meters from the car depending on the installation place of IGLA system.

Use your smartphone for authorization (Pairing Mode №2)*

If your smartphone does not support Bluetooth Peripheral mode, use the pairing Mode №2 in IGLA system.

Pairing Mode №2 can be activated only in IGLA that has Radio version 7.0 or higher (see label on the packaging).

Activate pairing Mode №2 in IGLA system:

1. Switch ON the ignition without starting the engine.
2. Enter the current PIN-code to authorize. There will be 2 indication signals.
3. Press the accelerator pedal* as far as it can go and keep it pressed.
4. Press the service button 28 times. The indication signal will flash back 28 times to confirm the Mode №2 action.
5. Release the accelerator pedal.
6. Switch OFF the ignition.

Smartphone pairing in Mode №2:

1. Switch ON the ignition without starting the engine.
2. Authorize in the system via PIN-code.
3. Activate the PIN-code change mode (press the accelerator pedal* as far as it can go, enter the current PIN-code and release the accelerator pedal). The indication signal will start flashing once in 3 seconds.
4. Press the service button 1 time.
5. Open your smartphone's Bluetooth menu and search for new devices.

During connection procedure the smartphone interaction radius is limited. For successful pairing it is recommended to put your smartphone as close to IGLA system as possible (1 meter or closer).

6. Choose IGLA in the list of available devices. When pairing you may need the Bluetooth pairing code

* For some car model other controls are used instead of an accelerator pedal (see the annex).

indicated under protective layer on plastic card included in the set.

7. Switch OFF the ignition and wait for 10 sec.
8. Switch OFF and ON again the Bluetooth in your smartphone.
9. Check that Bluetooth connection with IGLA is established and saved in smartphone settings.

Switch ON the ignition. Two indication flashes will be provided on the dashboard if smartphone pairing was successful.

You can start the engine and drive. IGLA will not be locking the engine. Now your smartphone is paired in Mode №2 and will be functioning as a key fob.

Smartphone will be functioning as a key fob only when Bluetooth is switched ON.

The Smartphone as key fob is activated at distance from 0,5 to 10 meters from the car depending on the installation place of IGLA system.

Deactivation of Mode №2 in IGLA system:

1. Switch ON the ignition without starting the engine.
2. Enter the current PIN-code to authorize. There will be 2 indication signals.
3. Press the accelerator pedal* as far as it can go and keep it pressed.
4. Press the service button 29 times. The indication signal will flash back 29 times to confirm the Mode №2 action.
5. Release the accelerator pedal.
6. Switch OFF the ignition.

* For some car model other controls are used instead of an accelerator pedal.

How to delete smartphone pairing from IGLA memory?

If the connection of smartphone to IGLA system was not successful or you just need to delete smartphone pairing from IGLA memory do the following:

1. Delete all previously connected smartphones via changing the current PIN-code to the same PIN-code. When the PIN-code is successfully changed - there will be 2 indication signals. When the smartphone is successfully deleted from memory - there will be again 2 indication signals.
2. Delete the link between the devices in your smartphone: Settings – Bluetooth – Devices – IGLA – Delete connection (Delete pairing, Forget device).

If smartphone deleting procedure cannot be executed and smartphone is not deleted from the memory it is recommended to use procedure for key fobs deleting from IGLA memory (see page 32).

In case the smartphone is lost for security reasons delete it from the IGLA system memory. In order to do that change the current PIN-code to the same PIN-code (see page 18).

If IGLA system was paired with smartphone in Mode №2 it is recommended immediately deactivate this mode when you noticed that the smartphone is lost. See instructions on page 39.

Options of the anti-theft system IGLA

The options are supported depending on car brand and model (See the section «Supported cars» on the web-site author-alarm.com).

Option	Switch ON	Switch OFF
Service mode	5	Automatically or enter PIN-code
Opening of the central lock in a particular case*	6	7
Closing of the central lock at speed > 10 km/h	8	9
Ventilation	10	11
Comfort	12	13
Mirror fold	14	15
Anti Hi-Jack	16	17
Engine start inhibit**	18	19
Additional option	20	21
Step-by-step authorization	23	To change mode choose other authorization
Two-factor authorization	24	
Multi-authorization***	25	
Smartphone pairing (Mode 2)	28	29

* Cases for central lock opening:
- for the cars with the ignition key the central lock opens when the key is pulled away from the ignition.
- for the cars with START-STOP button the central lock opens when the ignition is OFF.

** Initial status of an option depends on the car model (see the section «Supported cars» on the web-site author-alarm.com). When this option is switched OFF the IGLA system stalls the running engine via the CAN-bus or additional circuit (depending on the IGLA system installation).
*** Authorization method set by default.

The state of option set in the system by default («Switch ON», «Switch OFF») is marked with grey color in the table. The figures in the table show how many times the service button shall be pressed to choose a particular option state.

For some car models (see the section System compatibility on our web-site author-alarm.com) some additional options are possible. For example: automatic switch off START-STOP function, indication signal change, et.

In order to change the option state do the following:

1. Switch ON the ignition without starting the engine and enter the PIN-code to authorize.
2. Press the accelerator pedal* as far as it can go and keep it pressed.
3. Press the service button the number of times needed to reach the particular state – «Switch ON» or «Switch OFF» (see the figures in the corresponding column in the table). For example, 16 times to switch the Anti Hi-Jack mode ON or 17 to switch it OFF. The indication signals will confirm the action. The option state will be changed.
4. Release the accelerator pedal*.

If the «Slight touch on accelerator pedal» is used as a service button, after the authorization in the system (item 1) perform the item 3, then press the accelerator pedal as far as it can go and keep it pressed until you see the indication.

* For some car model other controls are used instead of an accelerator pedal (see the annex).

Alternative Service button

In addition to the Service button set by default for your car you can add New alternative service button. It can be any button from the list of available buttons for your car (see the Appendix to the IGLA). To do this, follow these steps:

1. Switch ON the ignition without starting the engine.
2. Enter the current PIN-code to authorize. There will be 2 indication signals.
3. Press the accelerator pedal* as far as it can go and keep it pressed.
4. Enter the current PIN-code once again. The device will pass to the PIN-code change mode and the indication signals will start flashing every 3 seconds. Release the accelerator pedal*.

If the current PIN-code includes «Slight touch on accelerator pedal», after the authorization (item 2) it is necessary to enter the PIN-code once again and then press the accelerator pedal as far as it can go and keep it pressed until indication appear. Then perform item 5.

5. **Now you can assign New service button:** press the button you want to use as service button 21 times. Each press must be confirmed by indication signal. The interval between button presses should not exceed 2 seconds. There is no difference between long and short press of the button.
   When the input is complete, the system will give 21 confirmation signals - the New service button is successfully changed.

* For some car model other controls are used instead of an accelerator pedal (see the annex).

If there are 3 or 4 indication signals, it means that the number of clicks differs from 21 and the service button was not changed. Switch OFF the ignition and repeat steps 1-5.

6. Switch OFF the ignition.

New alternative service button does not substitute service button set by default. Both service buttons will be functioning in the same way and you can use any of them for options change.

To delete the alternative service button you should do the same procedure as described above and set the Default service button as the Alternative service button.

Key fob LED indication signals

After installing the battery element the key fob LED can provide the following signals:

Color	LED signal	Description
Green	1-flash	High battery charge level
Red	1-flash	Low battery charge level*
Orange (green+red)	1 flash lasting 5 sec.	Built-in accelerometer is out of order**
Green	Blinks during 30 sec.	«Key fob pairing» mode
Red	1 flash lasting 1-3 sec.	Key fob pairing was successful

* It is recommended to replace the battery element with a new one!

** If the accelerometer is out of order the key fob will not go into «Sleep mode» but you can still use it for authorization in the system.

If the key fob is motionless for more than 10 minutes, it goes into «Sleep mode» with low power consumption. The exit from the «Sleep mode» occurs automatically if you move or shake the key fob.

Additional modules and anti-theft system IGLA

Joint work with AUTOSTART module

To provide the possibility of automatic engine start from the AUTOSTART module (remotely by a signal at the external input or by the triple pressing the Lock button on car key), the IGLA has a mechanism for disabling the «engine start inhibit» function for the duration of the autostart session.

To do this, the AUTOSTART module must be coordinated with IGLA system (see installation instructions).

Joint work with ATLAS module and COMPASS GSM/GPS tracker

When you use IGLA system in combination with the GSM-module ATLAS or GSM/GPS tracker COMPASS, the device can notify the car owner about the alarm events by means of push-messages in the mobile application.

To do this, the ATLAS module or COMPASS tracker must be coordinated with IGLA system (see installation instructions), and the car owner's smartphone must have the Author Connect app for iOS (version 10.0 or higher) or Android (version 4.1 and higher).

https://itunes.apple.com/ru/app/author-connect/id1394124230

https://play.google.com/store/apps/details?id=com.dma.author.connect

ATLAS or COMPASS GSM/GPS informs the car owner of the following events in the IGLA system:

- Ignition switched ON / OFF
- Engine Running/Shutdown
- Central lock Open/Closed
- Doors, Trunk, Hood Open/Closed
- Security Activated/Deactivated
- Alarms (Engine lock activated. Anti-Hi-Jack activated. Standard alarm system activated. Attempt of Key cloning)
- Key fob/Smartphone connected
- Service mode ON/OFF

If events from IGLA system are transmitted continuously, push-notifications will be issued no more than once per minute indicating only the last alarm event.

If IGLA system sends several alarm events at the same time, push-notifications will be sent once in a minute in a package that includes all alarm events.

If it is necessary, push-notifications can be switched OFF in the application settings.

Joint work with TOR relay

TOR – digital CAN-bus relay aimed to provide complex protection of your car with the IGLA system installed.

TOR uses the additional locking circuit that is activated in case the connection with the engine control unit via CAN-bus is faulty or disrupted. Locking allows to activate the Running engine stall option for cars without digital locking of the running engine.

To do this, the TOR relay must be coordinated with IGLA system (see installation instructions).

Joint work with CONTOUR module

CONTOUR is a control module for the hood locks secures the under hood space when working together with the IGLA system. Apart from the hood locks control there is an option for the control of additional installed normally closed locking relay.

The hood locks are closed in the following cases:

- The car security is activated (the central lock is closed)
- In 10 seconds after the ignition is OFF
- The Anti Hi-jack mode is activated

The hood locks cannot be closed if the hood is open. The hood locks are unlocked after the authorization in the IGLA system.

For joint work CONTOUR must be coordinated with the IGLA system (see installation instructions).

Specifications

Current consumption in a standby mode (the ignition is OFF)	6-8 mA
Operating voltage	6-15 V
Radio-channel frequency	2,4 GHz
Battery life time	6 months
Key fob battery type	CR2032

List of standard equipment

Anti-theft system IGLA	1 pcs
Operating manual	1 pcs
Installation manual	1 pcs
Plastic card «Emergency code and Instruction»	1 pcs
Packing	1 pcs
Locking relay*	1 pcs
Key fob*	2 pcs

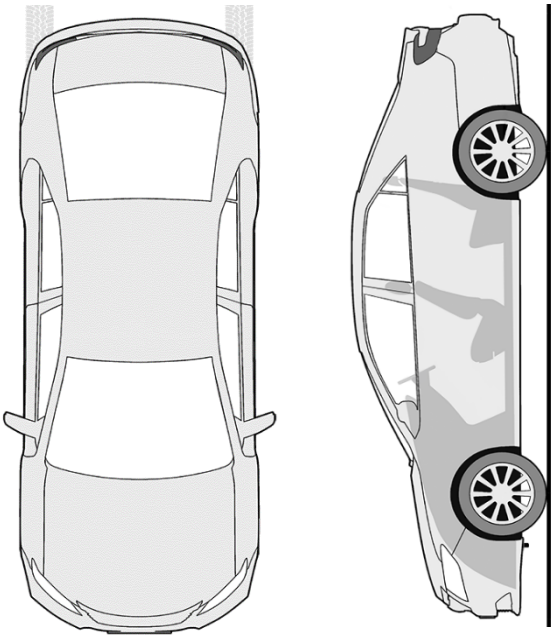
* optional (depends on the set configuration)

Made in Russia
Manufacturer: LLC «DMA Group»
C-RU.АЛ14.В.10097

The developer and the manufacturer retain the right to make technical updates not specified in this operating manual. For more information visit our web-site:

http://author-alarm.com

Place of device installation



Keep the PIN-code in mind or write it down after you have changed the PIN-code. ***Do not leave the plastic card with the codes as well as this manual inside the car!***

WARRANTY CERTIFICATE

Warranty time is 12 months from the date of the purchase. During this period technical support and maintenance are guaranteed free of charge. The warranty does not apply to the items with:

- mechanical damage, burnt and char pieces, components, conductive tracks etc.;
- traces of an independent and not professional repair;
- damage caused by natural hazards, fire, social factors;
- damage in the warranty seal, damage or absence of a factory/trade labels.

Only devices with full completeness of set and with the original packing are taken for warranty service.

Absence of packing is regarded as noncompliance with transportation rules. The warranty does not apply to the damage incurred to another equipment operating together with this device.

Item (model) _____

Date of sale _____/____/_____

The contents of the set ___, device operation___ and absence of mechanic damage ___ are checked.

I am acquainted and agree with the conditions of warranty service

Buyer _____

Seller _____ seal

Supported Cars List App.

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