

# Pandora

CAR TELEMETRY SYSTEM



## MODEL DXL 5000

User manual





Alarmtrade thanks you for choosing Pandora  
service and security system



Our web-address    [www.alarmtrade.ru](http://www.alarmtrade.ru)

Customer support    [support@alarmtrade.ru](mailto:support@alarmtrade.ru)

Made in Russia  
20a Kirov street, Kaluga

Pandora 5000 - is a premium-class telemetric service and security system that was developed and produced in Europe, in a cozy industrial city of Kaluga in the west of Russia, on a privately owned 'Experimental Engineering Factory'.

## Your car controls and monitoring options at your fingertips

With Pandora 5000 your car will have an unmatched level of security and service. Elegant and advanced technical design and unique ergonomic interaction algorithms that are used in Pandora 5000, allows enhancing your car with fantastic set of intuitive and useful functions.



## EXCLUSIVE FEATURES OF PANDORA 5000

- Online service p-on.ru allows monitoring, controlling, and adjusting parameters of your car using any computer or smartphone with internet connection.
- SOS emergency button on the remote, and automatic notification system will be of help in any situation that threatens your personal security. It is not just the car we aim to protect.
- Active security mode will constantly monitor your car's GPS coordinates and GSM connection.
- GPS/GLONASS tracking allows access to information about your car's traveled path, speed and various other data.
- Interior microphone that can be accessed from your phone.
- Infinite event history with coordinates, precise times and full information about car's condition.
- Mobile app Pandora info to control your security system via smartphone and access online service p-on.ru is available for iOS (iTunes store) and Android (Google play).
- Wide range of automatic engine start options: by weekdays, by engine or interior temperature, by battery voltage to keep it charged, etc.

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# General information

## 1

### SYSTEM FEATURES

- Main LCD remote**
- Arming and disarming security system using separate buttons.
  - Controls status of 12 independent security zones.
  - Vibrating alert.
  - 16 sound notifications.
  - Automatic LED lighting of the LCD.
  - Vibration confirmation of the button press.
  - AAA battery (1,5 B), up to 6 month of continuous operation.
  - Battery level indicator.
  - Current time indication, alarm clock.
  - Time synchronizes with the base unit for exact time stamp in the event history.
  - Engine and interior temperature, voltage indication.
  - Prompt remote access to the settings of shock, motion, tilt and supplementary sensors.
  - View last 48 hours of the event history with time stamps.
  - Automatic control of covering zone and notifications.
  - Dialog encryption of commands.

- Base unit**
- Individual 128-bit encryption key that can be changed by the user.
  - Online information service that stores infinite event history, car path monitoring and control over main functions.
  - Voice interface for controlling the system using a phone.
  - Individual disarming PIN code.
  - Event history stored in the base unit with date, time and coordinates.
  - RC blockage relay (2,4 GHz, frequency, up to 3 units can be connected).
  - Built-in integral accelerometer for determining motion and shocks with adaptive processing algorithm and sensitivity controls via the remote.
  - External dualband GSM 900/1800 MHz aerial.
  - Built-in 2.4 GHz aerial.
  - Monitoring of on-board voltage.
  - Advanced process of sensor data reading, eliminating false alarm possibilities.
  - Precision measurement of interior and engine temperature, displayed on the remote.
  - Sequential unlocking of the doors.
  - Arming when the engine is running.
  - Automatic arming.
  - Registers delay for interior lighting when arming.
  - Hands-free mode for arming/disarming without using a remote.
  - Software updates via built-in mini-USB socket.
  - Built-in buzzer.

- RF module**
- "CALL" button for calling the driver.
  - LED status indicator.

**Car security zones** Pandora DXL 5000 service-security system guards following independent zones with corresponding zone notifications on the remote, and recording alarms into the event history:

- car doors perimeter (separately for every door)
- front hood limit switches
- trunk limit switches
- ignition trigger
- break pedal button
- triggering of the shock sensor (warning level)
- triggering of the shock sensor (alarm level)
- triggering of the motion sensor
- triggering of the two-level supplementary sensor (warning level)\*
- triggering of the two-level supplementary sensor (alarm level)\*
- critically low on-board voltage
- marker lights left on notification when arming\*\*.

\* Volume sensor is not a part of Pandora DXL 5000 service-security system set configuration

\*\* Availability of the function depends on car model

All alarm events are recorded into system's nonvolatile memory with coordinates, date and exact time the event happened. Event history is accessible on a user's individual page in online service [www.p-on.ru](http://www.p-on.ru), and can also be read using a remote or a computer connected to the base unit via mini-USB cable.











# SYSTEM SET










	1. Base unit	1
	2. RF module and cable	1
	3. Main control remote with LCD	1
	4. Additional remote (three-button)	1
	5. Immobilizer tags	2
	6. Leather case for immobilizer tags	1
	7. GPS receiver	1
	10. Blockage radio relay	1
	11. External dualband GSM 900/1800 MHz aerial	1
	12. Temperature sensor and cable	1
	13. Relay automatic launch module	1
	14. Main cable	1
	15. Supplementary cable	1
	17. Cable with VALET button and three-colored light indicator	1
	18. Mini-USB cable	1
	19. Microphone	1
	20. Supplementary sensor socket with a wire	1
	21. Limit switch	2
	22. Limit switch wire	2
Manufacturer reserves the right to change configuration and construction of the product to improve its technological and operational parameters without notification.	23. Tapping screw Ø 4,2x13	5
	24. Plastic tie 120 – 150 mm	2
	25. Grounding contact	3
	26. User manual	1
	27. Installation manual (connection scheme)	1
	28. Plastic card with individual secret code	1
	29. Packaging	1

## MAIN CONTROL REMOTE WITH LCD



## QUICK ACCESS FUNCTIONS OF THE MAIN CONTROL REMOTE

	System disarmed		System armed
	Engine is running	Engine is stopped	
 (short press)	Lock doors without arming	Arming with sound confirmation	Search mode - car will flash wipers and sound horn for 5 seconds
 (1 sec.)		Arming without sound confirmation	Search mode - car will flash wipers without any sounds for 5 seconds
 (2 sec.)	Switch on ignition support		
 (>3 sec.)	Switch on programmed neutral		Remote engine start
 (short press)	Unlock doors	Unlock doors and disable immobilizer	Disarming with sound confirmation
 (1 sec.)		Unlock doors and disable immobilizer	Disarming without sound confirmation
 (> 2 sec.)	Switch off ignition support		Disable remote, turbo timer and automatic engine start
 (short press)	Switch on LCD lighting*		

 <b>F (1 sec.)</b>	Switch on/off timer channel (CH1) Unlock trunk (CH1)		
 <b>F (2 sec.)</b>	Switch on/off timer channel (CH2)		
 <b>F (3 sec.)</b>	Switch the remote on/off*		
 <b>(short press)</b>	Request current car status (CHECK command)*		
 <b>(1 sec.)</b>	Enter event history*		
 <b>(short press)</b>	Emergency call*		
 <b>(short press)</b>	PANIC mode		
 <b>(short press)</b>	Arming when the engine is running with sound confirmation	Arming in 30 seconds (hands-free mode) with sound notification	
 <b>(1 sec.)</b>	Arming when the engine is running without sound confirmation	Arming in 30 seconds (hands-free mode) without sound notification	

\* Available only on the remote with LCD




**CAUTION!** All control commands are transmitted via radio channel, for maximum effectiveness and range it is recommended not to shield aerial area (see picture) with fingers when using a remote.

Two-way remote is the main mean of control over the system.

For easily distinguishable notifications the remote uses 16 ringtones. Each ringtone matches particular event.

Remote has flashing LED indicators for additional information. Occasional green flashes mean that there is a connection and there were no alarm events, red flashes mean that either an alarm even happened, there is no connection to the base unit, or the system is not armed.

The remote is fully operational when shipped. To switch the remote on press and hold  button for 3 seconds. "Remote on" ringtone will play. Pressing and holding this button again for 3 seconds will cause the remote to switch off.

## SUPPLEMENTARY CONTROL REMOTE (THREE-BUTTON)



## LIGHT INDICATOR FUNCTIONS

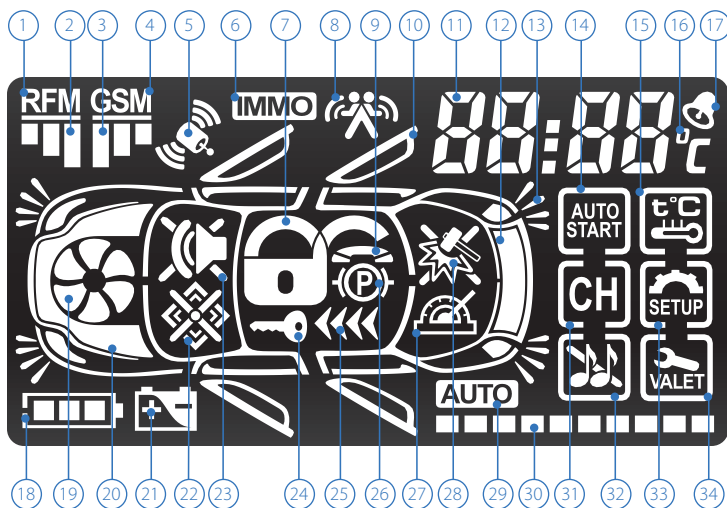
### Green Send indicator.
















- Flashes occasionally if there is a connection.
- Goes dark when there is no connection.


















### Red Alarm indicator.

- Flashes frequently if there is any notification.
- Flashes occasionally and sounds short signal once a minute until any button is pressed, after the end of any alarm notification.
- Flashes occasionally when there is no connection.














## LCD



1.		Flashes if there is no connection to the base unit.
2.		Flashes when transmits or receives commands.
3.		GPS signal level.
4.		GSM modem. The icon will be lit if the GSM modem is switched on and the car is in the coverage area of the cellular network. The icon flashes if there is no GSM connection.
5.		GPS receiver. The icon will be lit if the GPS receiver is switched on and receiving coordinates of the car. The icon flashes if it is not possible to receive the coordinates of the car.
6.		Immobilizer.
7.		Security mode status (Armed/disarmed).
8.		Hands-free mode: -  arming when distancing from the car; -  disarming when approaching the car.
9.		Call driver function.
10.		Door security zone. Separate for each door.
11.		Numeric indicator. Displays time, voltage, temperatures.
12.		Trunk security zone.
13.		Light signalization (using marker lights, winkers).

14.  Automatic engine start icon. Will be lit if automatic starts are enabled in the settings. Also used for automatic engine start settings..
15.  Engine preheater.
16.  Celsius degrees, used to show temperature and to set up prelaunch heater or automatic engine start and stop by temperature.
17.  Alarm clock.
18.  Remote battery level.
19.  Engine operation icon.
20.  Front hood security zone..
21.  Car battery voltage, voltage security zone.
22.  Supplementary sensor security zone.  
 -  Warning level of the sensor.  
 -  Alarm level of the sensor.  
 -  Warning level zone monitoring disabled.  
 -  Supplementary sensor monitoring disabled.
23.  Silent mode of the system.  
 -  Warning signals of the system disabled.  
 -  All sound signals disabled.
24.  Ignition, ignition security zone.



25.		Motion sensor security zone.
26.		Handbrake/neutral indicator, brake pedal security zone.
27.		Tilt sensor security zone.
28.		Shock sensor security zone. <ul style="list-style-type: none"> <li>-  Warning level of the sensor.</li> <li>-  Alarm level of the sensor.</li> <li>-  Warning level zone monitoring disabled.</li> <li>-  Shock sensor monitoring disabled.</li> </ul>
29.	<b>AUTO</b>	Automatic arming/re-arming.
30.		Mnemonic progress-bar, that shows expiring time intervals, and is used as addition to the numeric indicator. Is used with automatic arming, engine preheating and sensor sensitivity settings.
31.		Timer channels.
32.		Silent mode of the remote (MUTE).
33.		System settings.
34.		Car maintenance mode.



with sound  
confirmation



short  
press



1 \*

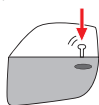
without sound  
confirmation



hold  
1 sec.

1 0 \*

doors locking • system arming



1x  
1 flash






1 flash




## ARMING PROCEDURE

Arming the system allows monitoring of all security zones, locks the doors and blocks the engine.

To arm the system when the engine is stopped shortly press  button on the remote. The buzzer will sound and the winkers will flash once. The remote will play "Arming" ringtone and security mode status icon (the lock) will change to: .

For arming without sound confirmation press  for more than 1 second. If when arming doors, hood or trunk were open, the buzzer will sound four short signals instead of one, winkers will flash four times, remote will play "Warning!" ringtone and will show troubled zone. This zone sensor will be disabled at that moment. Sensor will be armed again in 15 seconds after the zone was set right.

 1 \* - Arming using a phone.

To disarm the system shortly press  button on the remote. You will hear two short buzzer





with sound  
confirmation



short  
press



0 \*

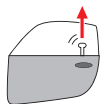
without sound  
confirmation



hold  
1 sec

0 0 \*

doors unlocking • system disarming



1x  
2 flashes



2 flashes



## DISARMING PROCEDURE

sounds and will see two flashes of the winkers. The remote will play "Disarming" ringtone and security mode status icon will change to:

For disarming without sound confirmation press button for more than 1 second.

If there were new alarming events during the time system was armed, buzzer will sound four times, and winkers will flash four times, the remote will sound "Warning!" ringtone and will indicate zones triggered. Detailed event history can be accessed by using CHECK button.

When disarming, two-step mode of unlocking the doors can be programmed. First press will disarm the system and unlock driver's door while second press will unlock all the other doors.

0 \* - Disarming using a phone.

To independently unlock the trunk, no matter if the system is armed or not, press button



## ◀ UNLOCKING THE TRUNK

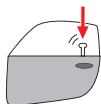
and hold it for 1 second.

If the system is armed when this action is performed, the trunk will be disarmed, shock and supplementary sensors of the trunk will be disabled. All the other security zones will remain armed.

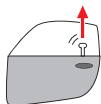
If in 15 seconds after using "unlock trunk" command, the trunk was not opened, the system will lock it back, enable sensors and arm trunk security zone. This will be indicated with one flash of the winkers.



short  
press



locking  
doors





unlocking  
doors



## ◀ LOCKING/UNLOCKING DOORS WHEN THE ENGINE IS RUNNING


The system controls door locks, locking them when arming and unlocking when disarming.

A mode of locking doors at the start of the movement and unlocking when the ignition is switching off is available. In 5 seconds after ignition was switched on, the doors will be locked, and unlock when the ignition will be switched off (programmable). If after the ignition had been switched on any door was opened, automatic locking will be disabled to prevent locking the keys inside the car.

Locking and unlocking doors when the engine is running can be forced using a remote. To do this shortly press  when the engine is running. Pressing  button will unlock the doors in the same way.



## ◀ CAR SEARCH FUNCTION

To easily find your car on a massive parking, shortly press  when the car is armed. The system will sound the buzzer and flash wipers five times in a row.

To search for car without sound confirmation, hold  button for more than 1 second.

with sound  
confirmation



short  
press

without sound  
confirmation



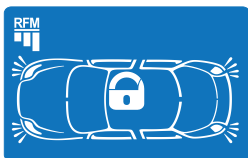
hold  
1 sec.



5x  
5 flashes



5 flashes



with sound  
confirmation



short  
press



without sound  
confirmation

press  
1 sec.

1x  
1 flash



1 flash

30 sec.

doors locking • system arming



1x  
1 flash







1 flash



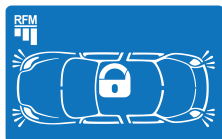
## ◀ DELAYED ARMING (HANDS-FREE MODE)

If when leaving the car you cannot arm it using a remote (you have your hands full), you can use **delayed arming**.





To activate this mode, shortly press  and  simultaneously. Buzzer will sound and wipers will flash once, indicating that the mode is triggered. Remote LCD will display **AUTO** icon, and red indicator will lit red. In 30 seconds the door will lock and the system will arm. This will be indicated with one buzzer sound and one flash of the wipers.

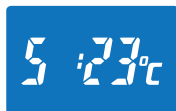
To activate this mode without sound confirmation press and hold both  and  for more than one second.

To cancel delayed arming when it is triggered, simply press .



## ◀ PANIC MODE

If you or your car are in danger and you want to draw attention to your car, you could use **PANIC** mode. In this mode the buzzer will sound and wipers will flash repeatedly. To trigger PANIC mode, press  and  simultaneously. To switch it off press either  or .



interior temperature







engine temperature




battery voltage

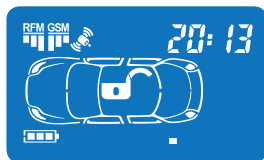
## ◀ CHECK MODE, MONITORING CAR PARAMETERS

To receive information about engine and interior temperature and on-board voltage, press .

For ten seconds, numeric indicator will be showing in rotation interior temperature () , engine temperature () and battery voltage () .

To exit this mode shortly press  otherwise it will be exited automatically in 10 seconds.



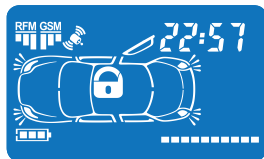


event No1



forward

back



event No48

## EVENT HISTORY

To access event history in the system's memory, press and hold for 1 second. Navigate last 48 events using (forward) and (back). Events are displayed by showing time of the event and flashing corresponding indicators. Mnemonic progress bar displays event's ordered number in history. To exit this mode, press and hold for 1 second, otherwise the mode will be exited in 60 seconds.

0 9 \* - Listen to the extended event history using a phone.

## REMOTE AND AUTOMATIC ENGINE START ►

The system allows for remote engine start using **remote engine start** command or automatic engine start using preconfigured **automatic engine start** function. Remote launch can be used to heat engine and interior, charge battery or to cool the interior with air conditioning.

Remote and automatic start can only be used when the system is armed.

If the car has manual transmission, automatic launch will only occur if **programmed neutral** function was enabled when the car was arming.

Remote and automatic engine start on automatic transmission cars will only occur, if transmission selector lever was left in a "P" position.

When using remote and automatic engine start functions, make sure that the car is secured with handbrake or some other means of fixating the car on a parking position.

While system is in remote and automatic start mode, it keeps performing all security functions save for shock sensor, which will be disabled. To compensate, motion sensor sensitivity, responsiveness and range will be increased. If any security zone will be triggered, the engine will be immediately stopped and alarm mode will be entered. Herewith all engine blockages will be activated.




  select  
with presses







  short  
press

**1 DAILY TIMER**  
  on  
  off

  short  
press

**2 SET AUTO-START**  
    
hours minutes

  short  
press

**3 AUTO-START BY TEMPERATURE**  
  on  
  off

  short  
press

**4 SET TEMPERATURE**  
    
increase decrease

  short  
press

**5 SET HEATING TIME**  
    
increase decrease

  short  
press

**6 PERIODIC HEATING**  
  on  
  off

  short  
press

**7 ENGINE STOP BY TEMPERATURE**  
  on  
  off

  short  
press

**8 SET STOP TEMPERATURE**  
    
increase decrease






  short  
press


 skipping this step will result  
in no changes saved



## ◀ AUTOMATIC ENGINE START

The system allows setting up modes of automatic engine start and stop. Synchronized real-time clock on the remote and base unit and other autonomous system settings allows many engine start options without needing to have the remote in command radio range.

**NOTE:** If you have not saved new settings, remote and automatic engine start settings will remain the same as before.

Automatic launch and engine work conditions programming is done using LCD remote. Select  icon by pressing  button and press  button to enter automatic start functions menu. This menu has 8 sub-levels that can be rotated by pressing . Sub-level values are changed using  and .

When done changing settings, the values should be saved by shortly pressing  button before exiting the menu.

- To move to the settings of the next parameter, press .
- To exit engine mode settings, at any moment press and hold  for 1 second (or the menu will be exited in 10 seconds). All unsaved settings will thus be lost.







leave the car, close the door



## ◀ PROGRAMMABLE NEUTRAL PROCEDURE

If you are planning to use remote and automatic engine start on a car with manual transmission, than before arming you will need to perform following actions:

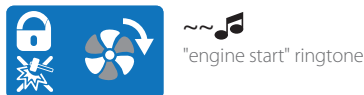
1. When the engine is running, fixate the car with the handbrake.
2. Press and hold  button for 3 seconds.
3. Turn the key in the ignition lock to the OFF position (while you are doing it the engine should be running) and take it out of the lock.
4. Leave the car, close the door.
5. Press  button to arm the car and lock the doors. On LCD remote the engine operation icon  will be spinning and security mode status icon  will lit.
6. The engine will be stopped. Now the system is ready to perform remote and automatic engine start.







+ 4 flashes



engine start



## ◀ REMOTE ENGINE START

If the system is prepared to remote system start, to execute it press and hold  for 3 seconds. Sound signal will confirm the command, LCD will show crossed out shock sensor icon  and flashing engine operation icon  signifying preparation to the engine start. In a few seconds the engine will be started, the remote will play "engine start" ringtone and show spinning engine operation icon .

Engine operation duration depends on heating time or temperature for engine stop.

 ①②③\* - remote engine start using a phone.

If the engine was started using remote or automatic start (via timer of clock) 123\* phone menu command will extend its operation period by 10 minutes.



~ ~ ~  
"engine start"  
ringtone



hold  
2 sec.






~ ~ ~  
"engine stop"  
ringtone



engine stopped

## ◀ REMOTE ENGINE STOP

To remotely stop the engine while it performs heating, press and hold  for 2 or more seconds. The engine will be immediately stopped and it will be confirmed by remote playing "engine stop" ringtone and engine operation icon  fading.

The remote will give notification 1 minute before designated engine stop:  icon will flash and "engine stop in 1 minute" ringtone will play every 10 seconds.

If the engine was started using remote or automatic start, remote engine start command will extend its operation period by 10 minutes. This procedure can be repeated multiple times.









- remote engine stop using a phone.



## ◀ CAR MAINTENANCE MODE (VALET MODE)

It is recommended to put system into maintenance mode (valet mode) before handing it to the car service or valet parking. When this mode is switched on, security system stops interfering with built-in electronics and disables all functions to ease maintenance or parking. Moreover, you will not have to leave the remote to the valet or the mechanic. Disabling valet mode is not possible without using the remote. This feature is implemented to prevent recording additional remotes during maintenance without the owner knowing.

To activate valet mode while the engine is running (immobilizer tag should be in range) select  icon by pressing button  and confirm by shortly pressing  button. Green LED indicator will lit indicating that valet mode is active (while the engine is running). To exit valet mode, select  icon by pressing button  and confirm by shortly pressing  button.



select  
with presses

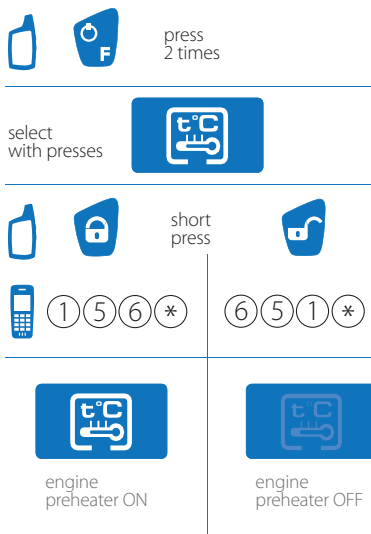


short  
press



valet mode active





## ◀ SWITCHING ON ENGINE PREHEATER

To switch on engine preheater press button twice, then select icon using button presses and confirm by shortly pressing button.

To switch off engine preheater, press , button twice, than select icon and confirm your choice by pressing button.

156\* - switch on engine preheater using a phone.

651\* - switch off engine preheater using a phone.

## SYSTEM PARAMETER SETTINGS ▶

Main system parameters and settings can be changed using LCD remote. To enter the settings menu, select icon with short presses of button, and enter the menu by pressing . Selecting menu sub-levels is done with button, selecting sub-level is done with button.

  select with presses



  short press

### 1 SHOCK SENSOR SETTINGS



  short press

### 2 SUPPLEMENTARY SENSOR SETTINGS



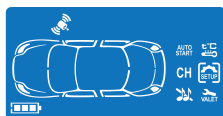
  short press

### 3 MOTION SENSOR SETTINGS



  short press

### 4 GPS RECEIVER ON/OFF



  short press

### 5 GSM MODEM ON/OFF



  short press

### 6 LEAVING CONNECTION ZONE NOTIFICATION SETTINGS



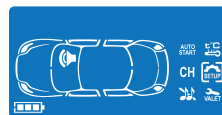
  short press

### 7 "HANDS FREE" SETTINGS



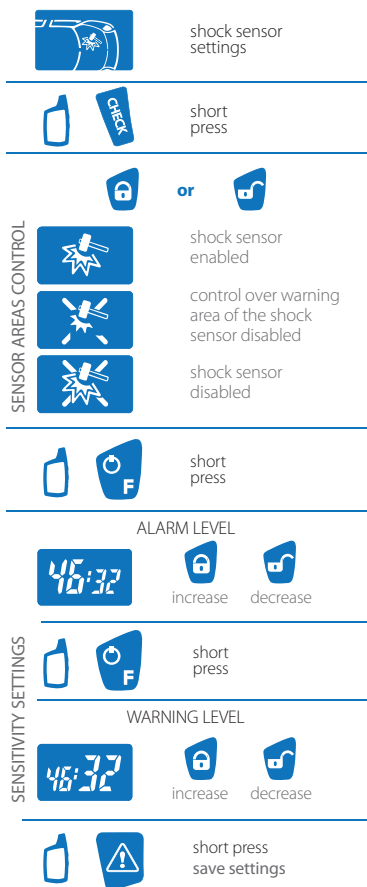
  short press

### 8 BUZZER SIGNAL SETTINGS











  short press

SAVE SETTINGS





## ◀ CONTROL AND SENSITIVITY SETTINGS OF SHOCK AND SUPPLEMENTARY SENSORS

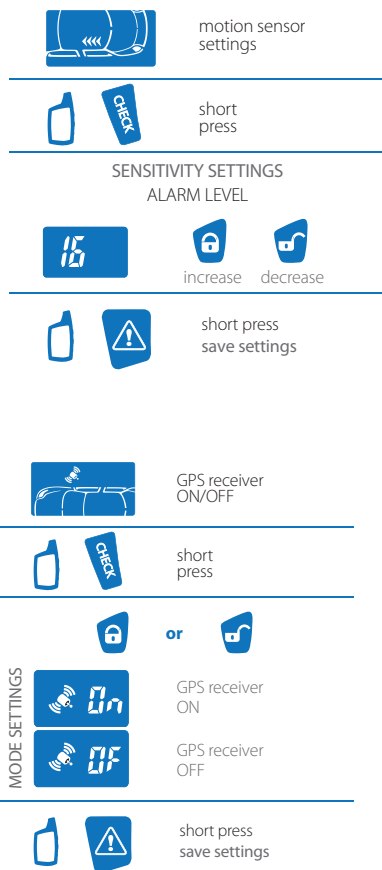
For prompt remote adjustment of alarm and warning levels of the shock sensor enter the settings menu (look at page 25), select  icon by pressing  button, and confirm by pressing . Use  presses to switch between control, sensitivity of warning and alarm level settings.  icon and left part of the numeric indicator will flash indicating that alarm level of shock sensor is being adjusted. Short presses of  button will increase the sensitivity of the alarm level (i.e. sensor will trigger from smaller impacts), short presses of  button will decrease the sensitivity of the alarm level of the shock sensor.

Short presses of  button will switch between sensitivity settings of warning and alarm levels of the shock sensor.




To save the new sensitivity values of the shock sensor press . To exit without saving press and hold  button for 1 second otherwise the menu will be exited automatically in 10 seconds. To return to the settings menu shortly press  button.




When using two-level volume sensor VS-21D/VS-22D control and sensitivity of levels can be adjusted similarly to the shock sensor by selecting  icon using  button.

Max sensitivity value of warning and alarm level of sensors is 50.



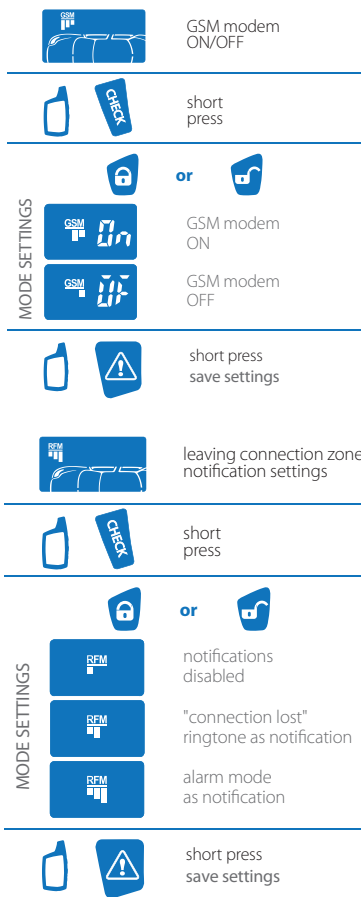
## ◀ SENSITIVITY SETTINGS OF THE MOTION SENSOR

For prompt remote adjustment of alarm level of the motion sensor enter the settings menu (look at page 25), select  icon by pressing  button, and confirm by pressing .

To save the new sensitivity values of the shock sensor press . To exit without saving press and hold  button for 1 second, otherwise the menu will be exited automatically in 10 seconds. To return to the settings menu shortly press .

Max sensitivity value of the motion sensor is 50.

## ◀ SWITCHING ON AND OFF GPS RECEIVER






## ◀ SWITCHING ON AND OFF GSM MODEM

## ◀ LEAVING CONNECTION ZONE NOTIFICATION SETTINGS

When the owner with the remote leaves the range of system's radio connection there are three possible notification options. To set up one of the options, enter settings menu (look at page 25), select by pressing , and confirm by pressing . With short presses of or select one of three notification options:






1. disable notifications;
2. enable notification with "signal lost" ringtone;
3. enable notification with alarm mode.




To save the new sensitivity values of the shock sensor press . To exit without saving press and hold  button for 1 second, otherwise the menu will be exited automatically in 10 seconds. To return to the settings menu shortly press  button.




Factory setting for leaving connection zone notifications - disabled.



## ◀ HANDS FREE FUNCTION SETTINGS

The system allows for hands free arming and disarming. If the owner with 2.4GHz tag enters particular range, the system will disarm, and will arm again when the owner will leave this range. To set up one of the options, enter settings menu (look at page 25), select  icon be pressing  button, and confirm be pressing . With short presses of  or  select one of three options:

1.  arming and disarming in Hands Free mode;
2.  arming in Hands Free mode;
3.  disarming in Hands Free mode.

To save the new sensitivity values of the shock sensor press . To exit without saving press and hold  button for 1 second, otherwise the menu will be exited automatically in 10 seconds. To return to the settings menu shortly press  button.



buzzer sound  
notification settings

## ◀ BUZZER SIGNAL SETTINGS



select  
with presses ~ ~ ~



1  
all signals  
enabled



2  
warning signals  
disabled



3  
all signals  
disabled








## TIME AND ALARM CLOCK SETTINGS






### TIME SETTINGS



In Pandora DXL 5000 system, time is set automatically, using GPS receiver data. You only need to set up time zone shift relative to UTC. It can be set on your personal information page in online service [www.p-on.ru](http://www.p-on.ru), or using Pandora DXL Loader computer software. Pandora DXL Loader can be downloaded from [www.manuals.alarmtrade.ru](http://www.manuals.alarmtrade.ru) or [www.alarmtrade.com](http://www.alarmtrade.com)

### ALARM CLOCK SETTINGS

To set up the alarm clock, select  icon with  button presses.

 or  will be displayed on the numeric indicator. With short presses of  and  set alarm clock mode:  (enabled) or  (disabled). To proceed to setting alarm clock time shortly press , button, numeric indicator and the bell icon will start flashing. With

short presses of  set hours, and minutes with  button. Longer presses of buttons  and  will cause numbers to rotate promptly. To save settings press  shortly.

Enable alarm clock will be indicated with lit  icon. When the alarm clock goes off the remote will emit double beep sound every 2 seconds and the  icon will flash.



buzzer sound  
notification settings

## ◀ SILENT MODE OF THE REMOTE



select  
with presses



short  
press



sound notifications  
disabled



sound notifications  
enabled



## CHECKING THE NUMBER OF RECORDED REMOTES

Number of recorded remotes and radio tags can be checked every time the ignition is switched on when disarmed. Number of orange and green LED flashes will indicate number of remotes and tags recorded correspondingly.

Number of recorded remotes and radio tags can also be checked by taking off and putting back on battery terminal. The system will sound tow sets of signals, corresponding to the number of recorded remotes (first set) and tags (second set).



arm the system using a remote



system armed



press one more time



receive notification that active security mode was activated



active security mode enabled

## ◀ ACTIVE SECURITY MODE CONTROLS

Active security is an effective mean of GSM jamming countering.

After activating active security, online service will monitor GSM connection and will notify the owner in case if it disappears.

Active security notifies the owner if car's GPS coordinates have changed.

Even if a malefactor will block notification channels (RFM - 868 MHz and GSM) and will attempt to tow away a car, the owner will receive mobile notification from our online service that GPS coordinates of the car have changed.

In active security mode, our online service starts monitoring your security, awaiting encrypted package from Pandora-5000 base



ATTENTION! When activating active security mode using a remote, second press of button 1 should be performed no more than 10 seconds from the first one.

unit, which is installed inside a car. Package contains security system status, car's GPS position and exact time via GPS/GLONASS service. Receiving the package, the server compares received coordinates with car coordinates received when it was armed, and if they match, awaits next session, which will commence after a period of time, calculated using special algorithm.


If the base unit inside a car did not send a package at a designated time for any reason, or if coordinates of the car have changed more significantly than GPS error allows, our server will immediately send text message or push-notification to the owner, describing what problem have happened. Moreover, online service [www.p-on.ru](http://www.p-on.ru) will create an alarm event, which will be stored in the infinite event history.

## REPLACING A BATTERY IN THE REMOTE



**ATTENTION!** Low battery charge of the remote battery is indicated with constant vibration. If the remote is vibrating constantly than there is no charge left and the battery should be immediately replaced.


If high quality batteries are used, service-security system remote can function up to 6 month without needing a replacement.

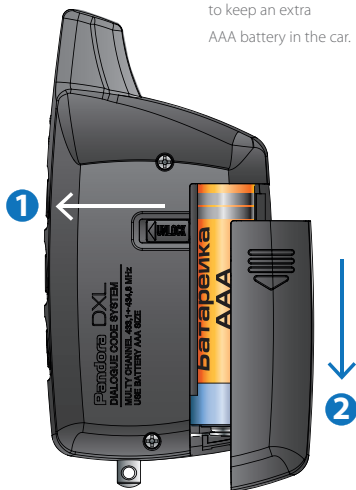
Battery needs to be replaced, if the remote is not turning on or the  icon has only one bar left and starts flashing.

Moreover, low battery charge can be identified by remote going into power saving mode: instead of ringtones, notifications will be indicated with single tone sounds. In this case alarm events will still play corresponding ringtones, but the remote will not vibrate.

It is recommended to keep an extra AAA battery in the car.

To replace the battery:

- move battery cover lock in the direction shown with arrow 1;
- move battery cover in the direction shown with arrow 2;
- take the battery out and place a new one on its place;
- the remote is ready for use (switch it on by pressing and holding  for 3 seconds).



# Immobilizer and owner's personal safety

## 3

The system has functions that can contribute towards owner's personal safety. The remote has SOS button to call for help in an emergency. In case of car accident, the system will automatically send notifications to owner's close ones. All personal security notifications are supplemented with car current coordinates and web links to online map services. The system uses flexible AntiHiJack algorithms.

### IMMOBILIZER MODE

When ignition is being switched on, Pandora's base unit performs a search for immobilizer tags in radio zone. If no tags were detected, LCD remote will play 'no tag found' ringtone. If when the ignition is switched on no radio tags were detected, the system will lock the engine with all radio relays that were programmed into the system. Engine lock will only occur when radio relay motion sensor detects movement of the car. If additional blockages were installed, they will lock doors immediately, before the car starts moving.

## ANTI-HI-JACK MODE

AntiHiJack mode helps to prevent aggressive seizure of the car using delayed engine blockage on door opening. Every time when the engine is running on opening/closing a door, immobilizer requests response from a remote using unique algorithm. After a door was opened while the engine is running and the car is moving, and if the system cannot detect a radio tag, the engine will be stopped after 60 seconds (general safety requirement). 30 seconds after detecting movement, 'engine blockage warning' ringtone will play for the remaining 30 seconds.

If engine blockage is done via radio relay, when warning signals will end, or new attempts to start the engine will commence, immobilizer will only allow it to start when the car is not moving, and will block it again if will start movement. Immobilizer will be activated in 2 seconds after the ignition is switched on. If the car starts moving, the immobilizer will block the engine for 15 seconds.

## REPLACING IMMOBILIZER TAG BATTERY

When buying a new battery, make sure that its expiration date have not passed and that the battery is not subjected to the corruption.

It is recommended to buy batteries of reliable brands.

Triple tone signal will sound every minute when the engine is running if battery charge of the immobilizer tag is low. In this case battery should be replaced soon. Battery type is CR2032.

Carefully open the cover of the tag's battery compartment. Extract discharged battery and insert a new one keeping in mind the correct polarity. Replacing a battery will not cause a loss of tag code information, as authorization data is stored in the nonvolatile memory of the MCU.

Carefully close the cover of the tag's battery compartment. All elements of construction should be rigidly locked in places. If it is so, the tag can be operated as usually.


## IMMOBILIZER CODE USING ORIGINAL CAR CONTROLS

Immobilizer code can consist max of 4 digits from 1 to 9.

Code immobilizer – a function that allows disarming and controlling timer channels using original car controls (button, lever or pedal). To enter immobilizer code, programmed button (lever, pedal) should be pressed a number of times equal the digit of the code. Pauses between presses should not exceed 1 second. Pauses more than 1 second will be interpreted as the start of next digit input.

After entering a correct immobilizer code, depending on the settings, either will lift the engine blockage, or activate a programmed timer channel.

## PANIC (SOS) BUTTON

In case your life or health are threatened, press  button and Pandora DXL 5000 will automatically make voice call and send text notification with car's coordinates to all programmed emergency numbers.

During emergency voice call, person called can access car's interior microphone.

## EMERGENCY NUMBERS SETTINGS

Emergency phone numbers which will be notified in extreme cases can be programmed in a settings menu of online service [www.p-on.ru](http://www.p-on.ru) in "notification settings" section, or using Pandora DXL Loader computer software. If you will not program any emergency numbers, voice call and text messages will be received by owner's additional numbers.

## AUTOMATIC EMERGENCY NOTIFICATIONS

If a car with Pandora DXL 5000 telemetric system gets into car accident, automatic notifications will be sent in form of text messages and voice calls.

All emergency events are recorded on a personal page in [www.p-on.ru](http://www.p-on.ru) online service, displaying date, time and coordinates.



# Pandora and a cell phone

## 4

### CELL PHONE NOTIFICATIONS

If any of security zones was triggered the system will immediately notify the owner by all available means: it will send alarm notification to the remote, will call and text owner's mobile phone, and will save information about the event in online service [www.p-on.ru](http://www.p-on.ru).

### SECURITY ZONES TRIGGERED NOTIFICATIONS

- Left/right, front/rear door security zone triggered;
- Trunk security zone triggered;
- Front hood security zone triggered;
- Brake pedal security zone triggered;
- Ignition security zone triggered;
- Warning level of the shock sensor security zone triggered;
- Shock sensor security zone triggered;
- Warning level of the supplementary sensor security zone triggered;
- Supplementary sensor security zone triggered;
- Motion sensor security zone triggered;
- Tilt sensor security zone triggered;
- Voltage outage security zone triggered.



## RECEIVING VOICE INFORMATION VIA PHONE

Call the system and listen to the status report.

1. System security status: armed/disarmed
2. If the alarm was triggered, the system will communicate the cause, number of events, time and date (in case events occurred more than 24 hours away).
3. Temperature sensors readings.
4. On-board voltage (to the nearest tenth of a volt).
5. GSM connection signal level.
6. Notification if the remote engine start is programmed, and on what conditions (temperature, time, periodic start).
7. Current time and date.
8. Allows control command input.
9. Voice help in navigating control commands.

## CONTROL OVER SYSTEM VIA PHONE

Call the system's phone number. When it answers, enter command code.



ATTENTION! if the call is not made from the owner's number, guest PIN code should be entered. Factory set guest PIN code is 1-2-3-4.  
After the system is installed, please change factory set PIN.

# • Return to previous menu/state

\* • Repeat the last message

1 \* • Arming

0 \* • Disarming

1 0 \* • Silent arming

0 0 \* • Silent disarming

1 1 \* • Active security mode

9 \* • Help

0 9 \* • Event history

0 0 7 \* • Switch on interior microphone

1 0 0 \* • Request GSM account balance

1 2 3 \* • Start the engine/prolong heating

3 2 1 \* • Stop the engine

5 0 0 \* • Request current coordinates

- ①⑤⑥\* • Switch on engine preheater
- ⑥⑤①\* • Switch off engine preheater
- ④⑤⑥\* • Switch on additional channel
- ⑥⑤④\* • Switch off additional channel
- ⑦⑧⑨\* • Enable automatic engine start
- ⑨⑧⑦\* • Disable automatic engine start
- ⑥⑥⑥\* • Enable engine blockage
- ⑨⑨⑨\* • Disable engine blockage
- ②⑤⑧\* • System information
- ⑨⑨⑧\* • Disable immobilizer and AntiHiJack
- ⑧⑧⑧\* • Enable immobilizer and AntiHiJack
- ②②②\* • Disable Hands Free mode\*
- ②②③\* • Enable HandsFree arming\*
- ②②④\* • Enable Hands Free disarming\*
- ②②⑤\* • Enable Hands Free disarming only with automatic start\*
- ⑦⑤③\* • Force connection to the online service

\* for systems  
3910/3930/3950/3970/  
3990/5000New with  
software version v. 1.75 or  
higher

## VOICE HELP

The system has voice help menu. During voice call to the system, press **#** (hash) and listen to the information about system control commands. To end session hang up the phone.

## REPEATING THE LAST MESSAGE

To repeat any message press **\*** (star) during a voice call to the system.

## ARMING/DISARMING

1. Call the system's number and wait for answer.
2. Dial **1\*** to arm the system or **0\*** to disarm it.
3. The system will confirm:  
"Arming/disarming".

## ENABLING ACTIVE SECURITY

1. Arm the system using any method.
2. Call the system's number and wait for answer.
3. Dial **11\***
4. The system will confirm:  
"Active security mode enabled".

To end session hang up the phone.  
You will receive text confirmation that active security mode was enabled.

## EVENT HISTORY

1. Call the system's number and wait for answer.
2. Dial 09\*
3. Listen to the information about the latest event registered by the system.  
To navigate event history press 4 (listen to the previous/earlier event), or 6 (listen to the next/later event).

## SWITCHING ON INTERIOR MICROPHONE

1. Call the system's number and wait for answer.
2. Dial 007\*
3. The system will confirm execution and will switch interior microphone on.

## REQUEST GSM ACCOUNT BALANCE

1. Call the system's number and wait for answer.
2. Dial 1000\*
3. The system will confirm: "Balance information sent via text message" and will send text message with account balance information to your phone.

## REQUEST CURRENT COORDINATES

1. Call the system's number and wait for answer.
2. Dial 5000\*
3. The system will confirm: "Current coordinate sent via text message" and will send text message with coordinates and a web link to a map to your phone.

## SWITCHING ON/OFF ADDITIONAL CHANNEL

Pandora system can control additional timer channel:

1. Call the system's number and wait for answer.
2. Dial ④⑤⑥⑥\* to switch the channel on or ⑥⑤④\* to switch it off.
3. The system will confirm execution.

## SWITCHING ON/OFF ENGINE PREHEATER

Pandora system has additional control channel for engine preheater control:

1. Call the system's number and wait for answer.
2. Dial ①⑤⑥⑥\* to switch the channel on or ⑥⑤①\* to switch it off.
3. The system will confirm execution.

## ENABLING/DISABLING AUTOMATIC ENGINE START

Pandora system has function of promptly disabling automatic engine start:

1. Call the system's number and wait for answer.
2. Dial ⑨⑧⑦⑦\* to disable all automatic engine starts or ⑦⑧⑨⑨\* to enable all automatic engine starts.
3. The system will confirm execution.

If all automatic engine starts are disable,  icon will go out on the remote. All automatic engine starts will be blocked. Automatics starts can be enabled again either by dialing ⑦⑧⑨⑨\* (all previous settings will remain intact), or by programming new parameters using a remote.

## BLOCKING/UNLOCKING THE ENGINE

You can lock car's engine using any phone. The engine will remain blocked until phone command "unlock engine" will be sent. This blockage cannot be disabled using a remote.

1. Call the system's number and wait for answer.
2. Dial (6)(6)(6)(\*) to enable engine blockage or (9)(9)(9)(\*) to disable engine blockage (9)(9)(9)(\*) (after dialing you will need to enter individual PIN-code that is located on the owner's plastic card).

## SWITCHING OFF IMMOBILIZER

In case radio tag was lost or broken, the system has switch off function for immobilizer and AntiHiJack:

1. Call the system's number and wait for answer.
2. Dial (9)(9)(8)(\*) (after dialing (9)(9)(8)(\*) you will need to enter individual PIN-code that is located on the owner's plastic card).
3. The system will confirm execution.


## SWITCHING ON IMMOBILIZER

To restore the functions of immobilizer and AntiHiJack:

1. Call the system's number and wait for answer.
2. Dial (8)(8)(8)(\*)
3. The system will confirm execution.

## CHANGING SETTINGS VIA PHONE

System settings can be changed using a phone.

To enter programming mode, call the system's number, wait for answer, then press and hold  button on LCD remote. The system will switch into settings programming mode.

Using voice help, program main settings.



### PHONE NUMBER SETTINGS

① \* • Owner's number -> #

② \* • Additional owner's number -> #

③ \* • Second additional owner's number -> #

④ \* • Account balance inquiry number -> #



## 2 \*

### SETTINGS OF THE VOICE CALLS

- 1 \* • Voice calls on alarm
- 2 \* • Voice calls on triggering warning level of the sensors
- 3 \* • Voice calls on engine start
- 4 \* • Voice calls on engine stop
- 5 \* • Voice calls on restoring GSM connection
- 6 \* • Voice calls on disarming
- 7 \* • Voice calls on entering programming mode
- 8 \* • Voice calls when radio relay connection is lost
- 9 \* • Voice calls when on-board voltage is low
- 0 \* • Voice calls on accident

### 3 \*

#### SETTINGS OF THE TEXT MESSAGES

- ① \* • Text messages on alarm
- ② \* • Text messages on triggering warning level of the sensors
- ③ \* • Text messages on engine start
- ④ \* • Text messages on engine stop
- ⑤ \* • Text messages on restoring GSM connection
- ⑥ \* • Text messages on disarming
- ⑦ \* • Text messages on entering programming mode
- ⑧ \* • Text messages when radio relay connection is lost
- ⑨ \* • Text messages when on-board voltage is low
- ①⑦ \* • Text messages on accident



## IMMOBILIZER SETTINGS

① \* • Immobilizer (on/off)

② \* • Anti-Hi-Jack



## ADDITIONAL SETTINGS

① \* • Changing guest PIN code

② \* • Entering as guest

③ \* • Remote blockage

④ \* • Switch on interior microphone

⑤ \* • Set threshold voltage for sending text message



## AUTOMATIC ENGINE START SETTINGS

① \* • By time

② \* • Set up time for automatic launch

③ \* • By voltage

④ \* • Set up voltage for automatic launch

⑤ \* • By temperature

- ⑥ \* • Set up temperature for automatic launch
- ⑦ \* • By period
- ⑧ \* • Set up period for automatic launch

## ⑦ \*

### SENSOR SENSITIVITY SETTINGS

- ① \* • Settings of the warning level of the shock sensor sensitivity
- ② \* • Settings of the alarm level of the shock sensor sensitivity
- ③ \* • Settings of the motion sensor sensitivity
- ④ \* • Settings of the warning level of the supplementary sensor sensitivity
- ⑤ \* • Settings of the alarm level of the supplementary sensor sensitivity
- ⑥ \* • Settings of the tilt sensor sensitivity



## SETTINGS OF SAVING MODE



• GSM connection



• Money saving mode of the GSM connection



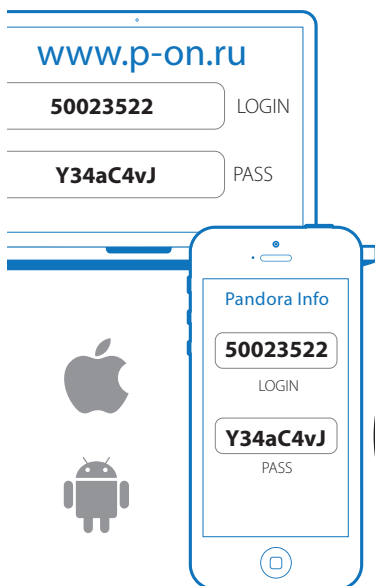
• Voice calls in roaming service



## CURRENT TIME AND DATE SETTINGS

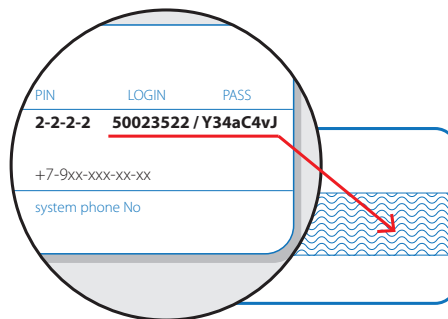
# Online information service [www.p-on.ru](http://www.p-on.ru)

5



## SYSTEM LOGIN












To access your individual page in information service [www.p-on.ru](http://www.p-on.ru) use login/password from under protective level of the owner's plastic card. Enter login and password into corresponding text fields on a website or in the mobile app. Login/password are case sensitive.



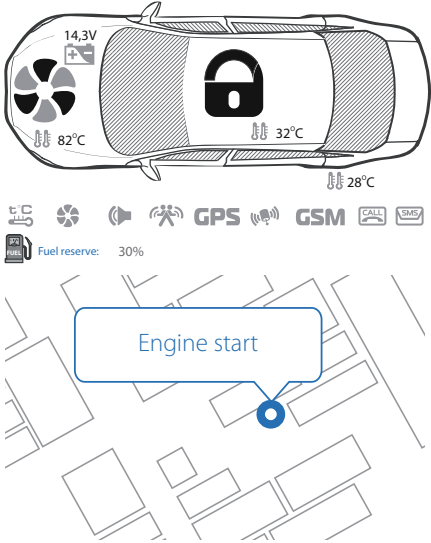
EVENT HISTORY

Event history holds more than 100 different types of events, that can happen to the system. Event history in online service starts with system's production and is available to the owner at any time from any device with the internet connection.

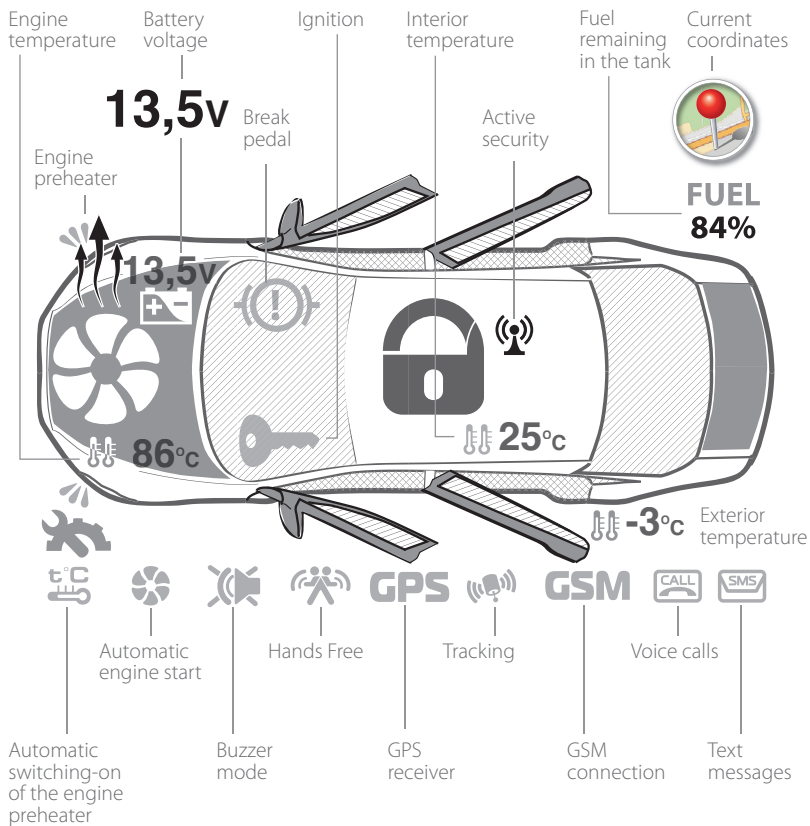
Every event is saved with date, time, coordinates and status of all control zones at the moment the event have occurred.

Event history		
18 of January		
	09:00	Arming 165 Fleet St, London EC4A 2DY, UK 
	08:35	Disarming 218 st Johns street, London EC1V 4AT, UK 
	08:24	Engine start 218 st Johns street, London EC1V 4AT, UK 
17 of January		
	18:34	Arming 218 st Johns street, London EC1V 4AT, UK <small>p-on</small>
	18:00	Disarming 165 Fleet St, London EC4A 2DY, UK <small>auto</small>
	17:50	Engine start 165 Fleet St, London EC4A 2DY, UK <small>time</small>
	09:00	Arming 165 Fleet St, London EC4A 2DY, UK 

08:24 Engine start  
18 of January by command via online service

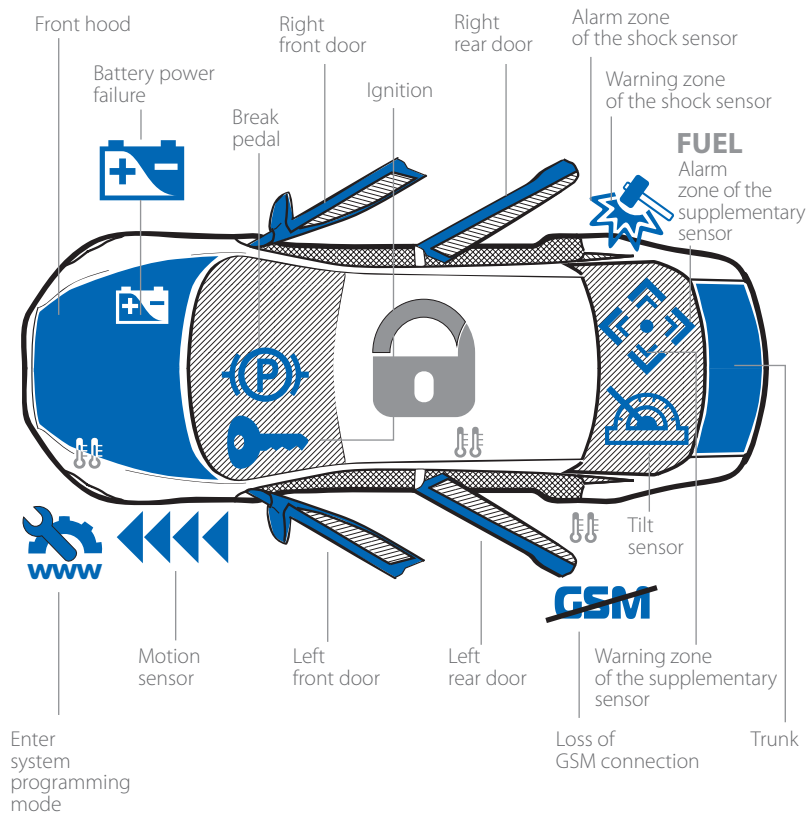


## SYSTEM STATUS INFORMATION



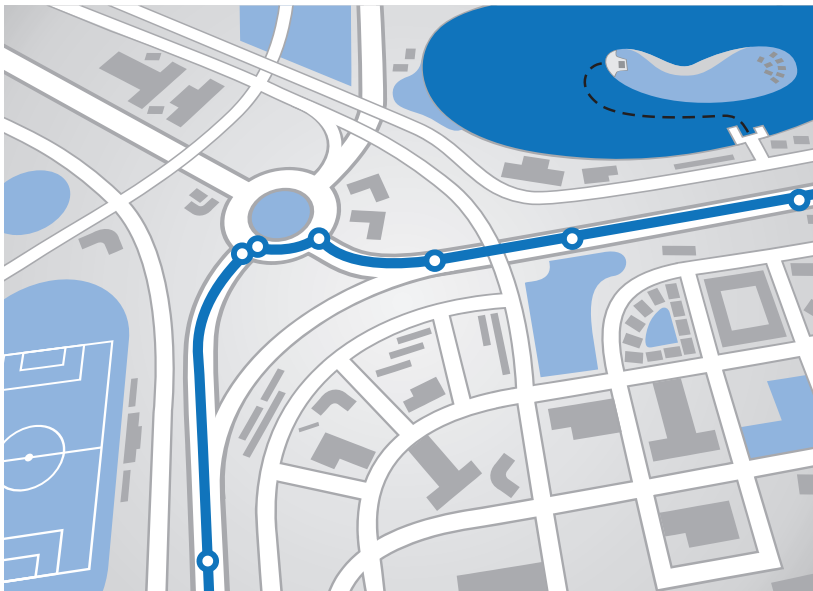


## SECURITY AND WARNING ZONES



## CAR MOVEMENT HISTORY (TRACKING)

Online service stores 30 day car movement history (tracking history). Using this function you can track car's movements, analyze the distance traveled, travel time, average speed. Track also shows direction of the movement, speed limits (color coded), speed and exact time in every point of the track, and a point with maximum speed per track.



SMARTPHONE APPS

To ease access to the online service a mobile app "Pandora info" have been developed. This app is free and available through your device's app store (iTunes/app store for Apple, Google store for Android).



# Control in case of emergency

# 6

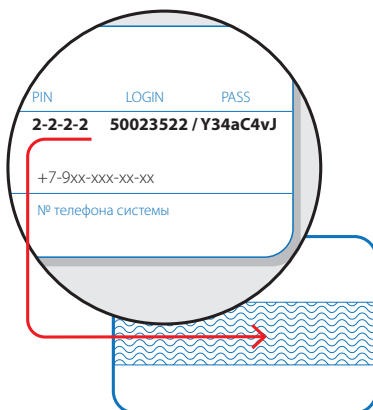
## CONTROL OVER SYSTEM IN CASE OF EMERGENCY, ENTERING INDIVIDUAL PIN CODE



**ATTENTION!** Make sure that protective layer on the owner's plastic card is intact after the installation of the system. Plastic card holds individual PIN code and online service access information.

In case you cannot disarm the system using a remote, phone or online service, owner's individual PIN code can be used.

Individual PIN code is written on the owner's plastic card under protective layer. Erase the protective layer and use VALET button to input the PIN code.



1. Using VALET button, input the first digit of the code (press the button a number of times, equal to the first digit; pauses between presses should not exceed 1 seconds). The system will confirm with red LED indicator flash.
2. Similarly input second, third and fourth digit. Every input will be confirmed with red LED flash.
3. The system will confirm correct PIN with red and green flashes of LED indicator.

If the input was incorrect, it will be indicated with long red flash. New input can be attempted after 5 seconds.

4. If the system was armed, after entering the correct PIN code it will be disarmed.

If the system is disarmed and the engine is stopped, after entering PIN the system will enter programming mode.

For emergency arming when the engine is stopped, press and hold VALET button for 3 seconds. The system will confirm with buzzer signal and will be armed in 30 seconds.

While there is a countdown, the LED will be lit red.

# Any problem can be solved

# 7

Problem	Solution
When pressing button 1 on the LCD remote all icons lit, when pressing button 2 the numeric indicator will lit.	The remote is switched off, it needs to be switched on. Press and hold button 3 (F) for 3 seconds.
LCD remote have stopped playing ringtones.	Low battery power. Please, replace the battery (page 33).
Cannot disarm the system using a remote.	Use additional remote or disarm using a phone command (0*). Contact the car service that was installing the system.
LCD remote is vibrating constantly.	Low battery power. Please, replace the battery (page 33).
One minute after the ignition was switched off, 'signal lost' ringtone plays and LED indicator starts flashing red.	The system reminds you that it is disarmed. Please, arm the system.

Problem	Solution
The alarm constantly goes off by the sensor data.	The sensitivity is too high. Lower sensor sensitivity (page 27).
System does not send text notifications	<ol style="list-style-type: none"> <li>1. Text message service center number is incorrect. The system determines it automatically. However, it should be changed if changing mobile operator of the system. Contact the car service that was installing the system.</li> <li>2. Text messaging is blocked by the mobile operator. Contact your system's mobile operator.</li> </ol>
The system cannot be reached when calling from supplementary owner's number	When calling the system from any number, safe from main owner's number, guest PIN should be entered. Factory preset PIN is '1234'. It can be changed in the settings.
The system cannot determine owner's number	Some mobile providers use different country code prefixes (e.g. +44 or 0 for UK). Please use the correct prefixes that your mobile operator uses when programming the system.
The system cannot reach owner's supplementary number when alarm is triggered.	Owner's main number has voice mail turned on. Disable it for the system not to get stuck.
Cannot login to the individual page in online service <a href="http://www.p-on.ru">www.p-on.ru</a> .	<p>Please note that login and password are case sensitive.</p> <p>If you have changed the password, you can reset it to the factory value (written on the plastic card) using a link on the login web page.</p>

# Important information

## BUZZER SOUNDS AND WINKERS LIGHT SIGNALS

Signal name	Signal description
Alarm mode	Incessant sound and light signals for 30 seconds
Panic mode	Incessant sound and light signals for 30 seconds
Arming	1 sound and 1 light signal
Disarming	2 sounds and 2 light signals
Sensors triggered signal when disarming	4 sounds and 4 light signals
Sensor malfunction signal when arming	4 sounds and 4 light signals
Sensor warning level triggered	3 sounds and 1 light signals
Disabling warning level of the shock sensor	1 sound and 1 light signal
Car search	5 sounds and 5 light signals



## MEANING OF THE 3-COLORED STATUS INDICATOR LIGHTS

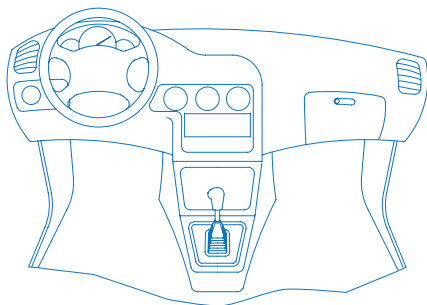
Indicator status	Meaning
Short red flashes	The system is armed
Lit red	The system is preparing for automatic arming
Lit red	Immobilizer mode on
Orange flash	Confirms VALET button presses
Orange flashes	Confirms a number of recorded remotes (when switching on ignition)
Green flashes	AntiHiJack mode enabled
Lit green	Maintenance (valet) mode ON (when ignition is switched on)
Red and green flashes	PIN code confirmed, immobilizer mode disabled
Faded	The system is disarmed

## USEFUL WEBSITES

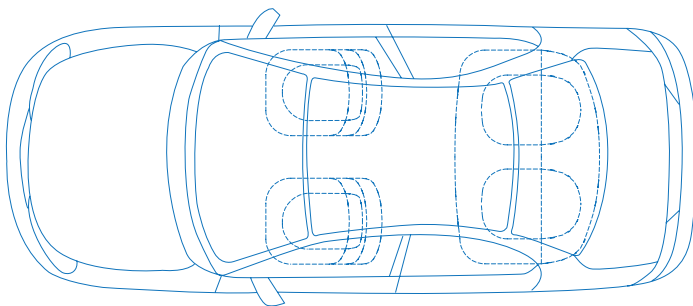
- **[www.alarmtrade.ru](http://www.alarmtrade.ru)**  
official Alarmtrade website on Russian. View car alarm news, new models, access updates. English mirror is [www.alarmtrade.com](http://www.alarmtrade.com), italian - [www.alarmtrade.it](http://www.alarmtrade.it)
- **[www.pandora5000.ru](http://www.pandora5000.ru)**  
Pandora 5000 promotional website. Learn more about you ssystem capabilities
- **[www.manuals.alarmtrade.ru](http://www.manuals.alarmtrade.ru)**  
Pandora and Pandect online manual database
- **[www.p-on.ru](http://www.p-on.ru)**  
Pandora online information service. Detailed event history of your car. Convenient way to change setting of the system
- **[www.alarmforum.ru](http://www.alarmforum.ru)**  
Online technical message board for Pandora installers and users. Receive fast expert support from the Pandora community
- **[support@alarmtrade.ru](mailto:support@alarmtrade.ru)**  
Official Alarmtrade support email
- **[www.alarmtrade.ru/contacts/authorizedcentres/](http://www.alarmtrade.ru/contacts/authorizedcentres/)**  
Alarmtrade official warranty service centers

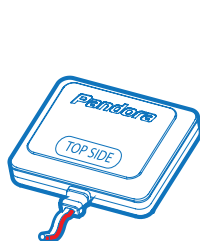
## SYSTEM'S MODULES LAYOUT

Ask the installer to mark system's modules on the picture provided.  
This information can be important for diagnostics in case system malfunctions.

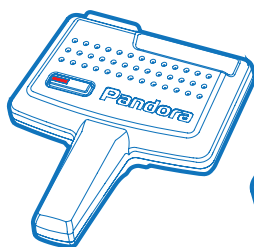


- ① Base unit
- ② RF module
- ③ VALET button
- ④ Blockage radio relay
- ⑤ GSM aerial
- ⑥ Automatic launch module
- ⑦ GPS receiver





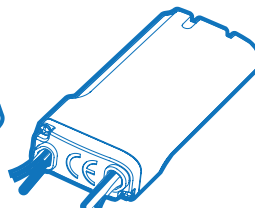
GPS/GLONASS  
receiver  
NAV-03



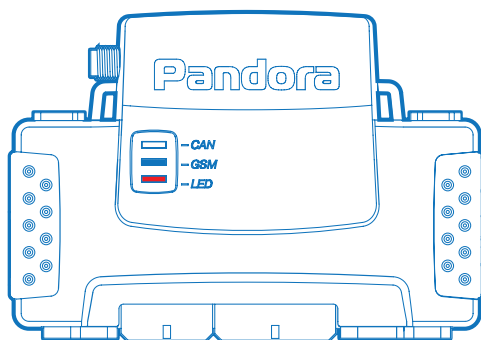
RF-module



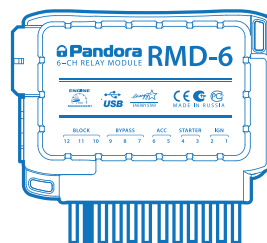
LED indicator and  
VALET button



Blockage  
radio relay



Base unit



Automatic launch module



GSM aerial



Temperature sensor



Microphone

## WARRANTY OBLIGATIONS



**ATTENTION!** It is recommended to demand the installer to fill out warranty documents as these documents can be required to access the support service.

Manufacturer guarantees correct operation of the service-security system if exploitation, installation, storage and transportation conditions described in this manual were met.

The system should only be used according to installation and user manuals.

The system should only be installed by the professional installers in service centers. The installer must fill in installation certificate that is included in this manual.

Parts malfunctioning during warranty period on the fault of the manufacturer should be repaired or replaced by the installation center of the manufacturer or by certified service center.

The user loses the right for warranty services in the following cases:

- when warranty period expires;
- if exploitation, installation, storage or transportation conditions were not met;
- if there is mechanical damage to the external parts of the system after it is sold. This includes: fire damage, consequential damage in case of car accident, aggressive liquids and water seeping damage, damage caused by improper use;
- if the damage was caused with incorrect settings and parameter adjustment;

- if system devices are replaced with any devices that are not recommended by the manufacturer;
- if manufacturer sealing is broken;
- if there is no properly filled warranty card and installation certificate.

Warranty period is 3 years since the moment of purchase, but no more than 3,5 (three and a half) years since the moment of production.

This warranty does not include batteries of the remotes, as they have their own service life time.

Maintenance and repairs of the system with expired warranty period is carried out at the expense of the user on a separate contracts between the user and the installer/service center.

## INSTALLATION CERTIFICATE

I, the undersigned \_\_\_\_\_  
Position, name

professional installer, certify, installation of the service-security system, described below was carried out by me according to manuals and schemes provided by the manufacturer.

### Car specifications:

Car model \_\_\_\_\_

Type \_\_\_\_\_

ID number (VIN) \_\_\_\_\_

Registration number \_\_\_\_\_

### Security system specifications:

Model **Pandora DXL 5000**

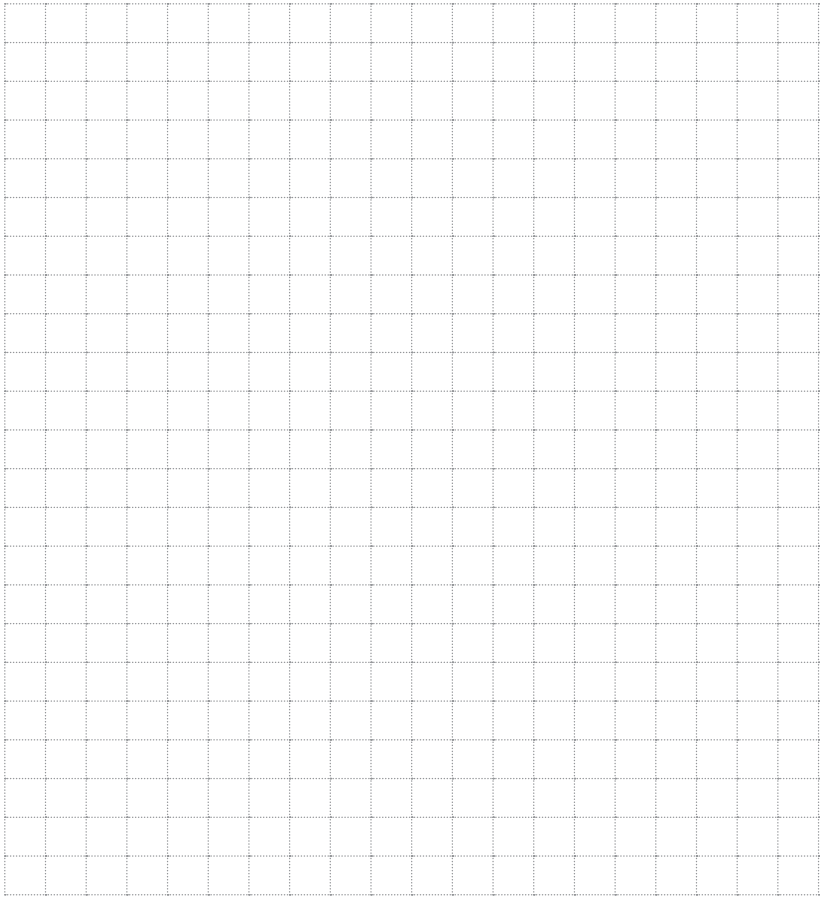
Serial number \_\_\_\_\_

Service center name, full address and installer's stamp \_\_\_\_\_

Signature \_\_\_\_\_ / \_\_\_\_\_ /  
Signator

Work accepted \_\_\_\_\_ / \_\_\_\_\_ /  
Signator

Date « \_\_\_\_ » \_\_\_\_\_ 20 \_\_\_\_ y





## ACCEPTANCE CERTIFICATE

Pandora DXL 5000 meets the requirements of technical condition act "TY 4372-006-55684712-2012" and is certified for use.

Serial number \_\_\_\_\_

Date of production \_\_\_\_\_

Responsible person's signature \_\_\_\_\_

(stamp)

Packager \_\_\_\_\_

Signature (personal stamp)

-----

## WARRANTY CARD

Model **Pandora DXL 5000**

Serial number \_\_\_\_\_

Date of purchase « \_\_\_\_ » \_\_\_\_\_ 20 \_\_\_\_ y

\_\_\_\_\_  
Seller's (installer's) stamp

\_\_\_\_\_  
Seller's signature

# Pandora

Always a step ahead



Official website: [www.alarmtrade.ru](http://www.alarmtrade.ru)  
Pandora 5xxx website: [www.pandora5000.ru](http://www.pandora5000.ru)  
Online support: [support@alarmtrade.ru](mailto:support@alarmtrade.ru)

Made in Russia

v.1.1