Pandora would like to thank you for choosing our service-security system

Pandora Elite v3 (hereinafter referred to as the System) is a car service-security system built for cars with on-board voltage of 12V. It is a complex engineering solution, which includes unique and modern technological software and hardware solutions.

While developing the Pandora Elite v3 we were using the most up-to-date electronics from world's best manufacturers. The Pandora Elite v3 is built using high-precision mounting and control machinery, thus we guarantee highest possible quality, reliability and stable technical characteristics for the whole operation period.

The system has a cryptographically strong authorization code with unique dialog algorithm and individual encryption key on every device. It guarantees protection form electronic hacking for the whole operation period.

The system is built for your convenience: it's ergonomic, reliable, has the highest security and service characteristics, 3 years unconditional warranty and free service and support. We are happy to provide any support we can – feel free to use our online support.

! WARNING! It's strongly recommended to install a security system by the skilled automotive technician! The installation must be performed according to the provided technical documentation, installation guides and schemes. The functionality and features of the system depend on its correct installation/configuration and/or the specifics of the vehicle.

This device has limited external factors resistance. It should not be subjected to water beyond occasional splatter, or operated in temperatures outside -40° to +85° C range. All system components must be installed only in a car interior.
The base unit, remote control and radio tags fulfil with the IP40 category of protection against water.

Our web-site: pandorainfo.com
Customer support: support@pandorainfo.com

Product is in conformity with Electromagnetic Compatibility Directive EMC 2004/108/EC and R&TTE Directive 1999/5/EC

Table of contents

GENERAL INFORMATION

System set

1. Remote control D-061 1
2. Immobiliser tag BT-775 1
3. Immobiliser tag BT-785 1
4. Owner's personal card 1
5. Base unit 1
6. Antenna module RFM-470 1
7. Blocking relay 1
8. Piezo siren PS-332 1
9. External VALET button V3 1
10. Beeper 1
11. Engine temperature sensors 1
12. External GSM Antenna 1
13. System wires 1
14. User manual 1
15. Wiring diagram 1
16. Packaging 1

! THE MANUFACTURER RESERVES THE RIGHT TO CHANGE THE SYSTEM SET AND CONSTRUCTION OF THE PRODUCT TO IMPROVE ITS TECHNOLOGICAL AND OPERATIONAL PARAMETERS WITHOUT A NOTIFICATION.

Read before using

Carefully read this manual before starting installation and using the security-service system. Pay attention to text marked with !

! The security and telemetric system is a complex technical product. System installation and configuration must be carried out only by a skilled professional.

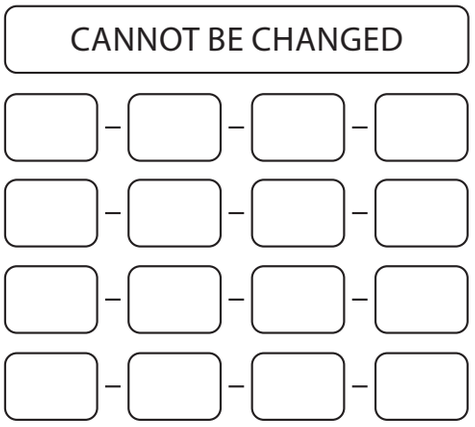
! Features and system modes, control of the vehicles zones depend on the type of connection and system settings, original vehicle operation logic and trim.

! The system set includes the "Owner's personal card", which contains unique information intended exclusively for the owner of the system.
To safeguard the confidentiality of this information, the owner's card is either placed within a protective envelope or its contents are concealed under a protective coating.
We strongly advise that you uphold the integrity of the protective envelope or coating following the completion of the system installation. Should there be any breach of confidentiality, the reinstallation of the system shall be conducted at the expense of the individual responsible for the installation.

! When system installation is finished:
- Check the system operation and functions with a specialist.
- We recommend that you mark each working function with a sign ☑ in the "Control the system" section
- Check that the "Installation certificate" and "Warranty card" are filled out. These documents may be required for contacting the customer support.
- Ask an installer to mark the layout of the system components on the diagram. This information may be required for diagnostic/configuring or emergency deactivation of the system.
- We recommend that you change the default value of the PIN-codes of the system. You can write down the changed PIN-codes in the "PIN-codes of the system" section.

PIN-codes of the system

The “Secret PIN-code”
(is written on the “Owner’s personal card”)
The “Service PIN-code”
(default value is 1-1-1-1)
The “Guest PIN-code”
(default value is 1-2-3-4)
The “Immobiliser PIN-code”
(is used for the Validator (pin-to-drive) function)
The “Beach mode PIN-code”
(is used for Beach mode function)



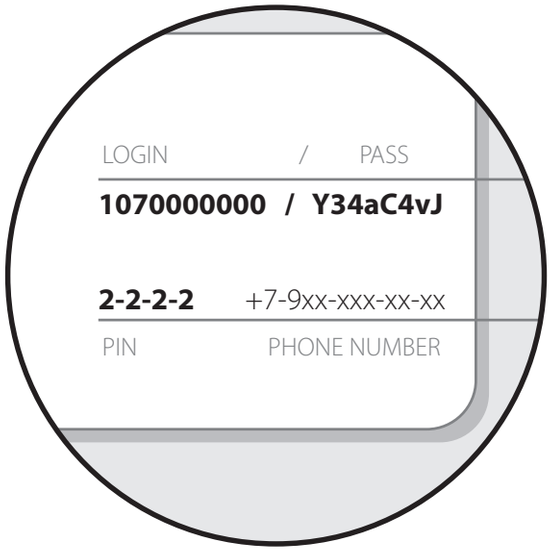
! It is recommended that you will write down the changed or created values of all PIN-codes. Eliminate third-party access to this information.

Owner’s personal card

! When opening the envelope or removing the protective coating, do not use any sharp objects, as this may damage the unique information on the individual card. Unique information cannot be restored or changed, so we strongly recommend that you avoid allowing third parties access to the card, as well as preventing loss or damage to the card.

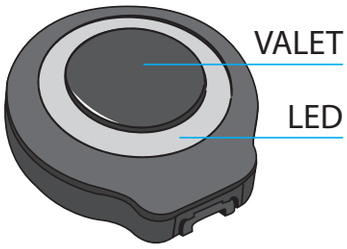
The Owner’s personal card Individual is a plastic card containing private unique system information.

- **PIN** – (the “Secret PIN-code”) is a 4-digit number. This code can be used to disarm the system and to deactivate immobiliser functions and to activate Service mode. It can be also used to enter programming mode.
- **LOGIN** – is a 10-digit number. This information is used to add the system to the online service and mobile applications.
- **PASS –** contains 8 characters and can consist of digits, lower and upper case letters). This information is used to add the system to the online service and mobile applications.
- **Phone number** – not applicable to this system.



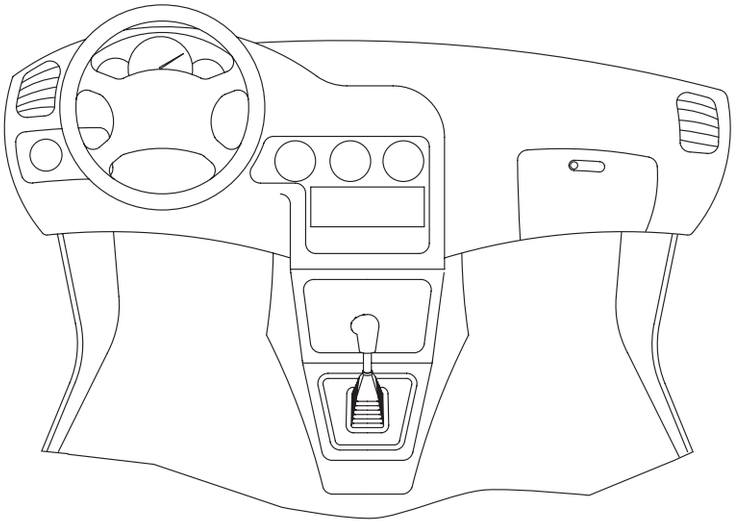
External VALET button

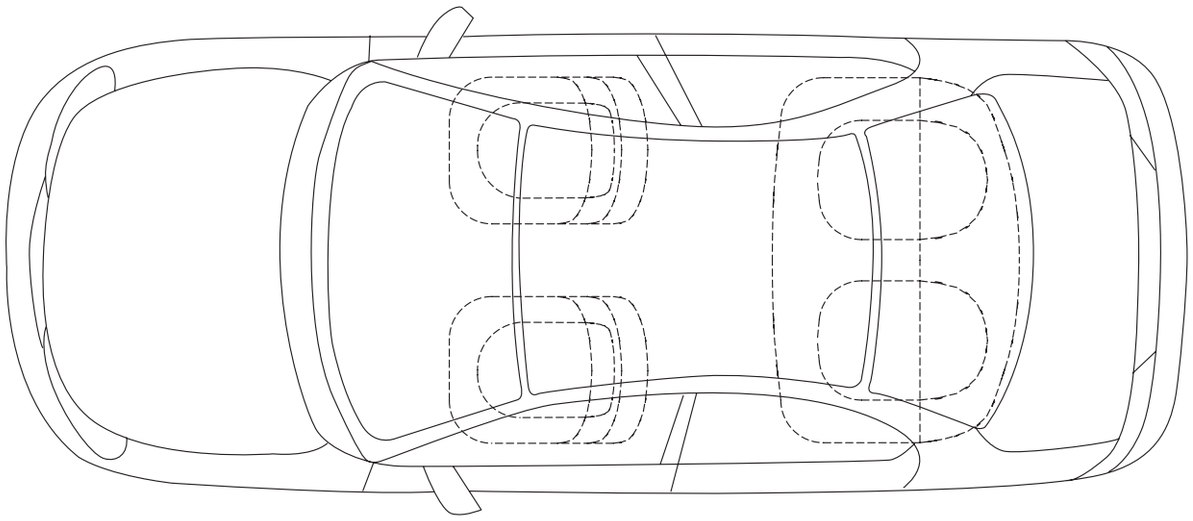
An external VALET button with a two-color status LED indicator is placed inside a vehicle (see the "System modules layout" section).
The button is used for programing the system, arming/disarming, activating/deactivating immobiliser modes.



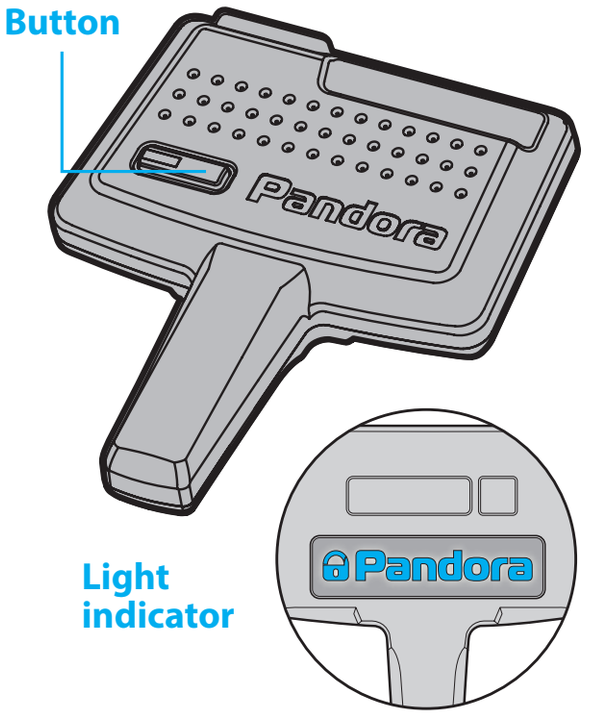
System modules layout

1. External VALET button (VALET button via CAN)
2. Button for the Immobiliser PIN-code
3. Button for Beach mode PIN-code
4. Circuit being blocked
5. Base unit
6. Beeper
7.
8.





Antenna module



868MHz Antenna, LoRa modulation supports up to 4 remotes.

2.4GHz Antenna, Bluetooth 4.2 protocol provides connection between the base unit and the RF-module

Pandora Light indicator – status indication of security status in the crrent mode: light flashes when the security system is armed, light flashes for the first three minutes when the security mode is disarmed, light flashes are turned off.

! The default mode is off - setup is to be performed by qualified personnel.

Function button for disabling security and anti-theft functions (see section «Control over the system in case of emergency»), calling the driver, emergency notification.

Emergency notification "SOS" is a function of ensuring the personal safety of the owner. When using the function, the system will make a sequential notification to the programmed phone numbers: press and hold the button for 3 seconds or up to three beeps from the antenna module signaler.

! The function is not available for 10 seconds after the ignition is turned on (time allowed for properly disabled anti-theft functions).

In order for this function to work, it is necessary to set up the notifications from the pandora-on.com. Internet service.

SETTING UP VOICE AND SMS NOTIFICATIONS

Go to the menu «SETTINGS» -> «NOTIFICATIONS».

to any programmed phone number, assign the necessary notifications under the type «Accident»:

SMS notification – "SOS + link to Internet mapping";

voice notification - «Owner in danger»;

voice and SMS notification - «The owner is in danger, the current coordinates are being sent SMS messages» and «SOS + link to Internet mapping».

SETTING UP INTERNET NOTIFICATIONS «PUSH»

Go to the menu «ADMINISTRATION» -> «RULES».

In the system rule «System Events» assign the type «Accident!» :
PUSH notification - «Emergency call by command from the remote control."
Calling the driver "CALL" is a notification function for the owner.
When using the function, the system will make a voice notification "Welcome Melody" to the owner's programmed phone number and display the call with the remote control indication « ».

! The function is not available for 10 seconds after the ignition is turned on (time allowed for properly disabled anti-theft functions).

Base unit

Built-in LTE module (4G/3G/2G | GNSS) – provides a connection with our online service pandora-on.com and mobile application, allows to control the system by a phone using DTMF commands, voice and SMS notifications, LBS-coordinates (only by DTMF -command), automatic date and time detection, precise GPS location (with Tracking function).

Built-in nano-SIM (SIM2) and SIM-chip (SIM1) – is used to work with the built-in GSM modem.

! The SIM-card should be replaced and the following settings should be performed only by a qualified specialist.

2.4GHz radio channel, Bluetooth 5.0 protocol (BT5.0) – supports up to 14 additional Bluetooth devices, including a mobile phone.

Built-in 3D accelerometer – is used to detect shock/motion/tilt including 2 separate zones of shock sensor (alarm and warning), the system allows to adjust sensitivity of each zone, to use data from the accelerometer to block the engine and close the central lock on movement.

External microphone - for monitoring and assessing surroundings by calling from a mobile phone.

Backup power supply - alerts the owner in case of unauthorized shutdown of the vehicle's on-board power supply in security mode, the backup battery is charged automatically when the engine is running.

Temperature sensors - determination of temperature readings by zones: interior, internal sensor of the base unit, engine - external temperature sensor, environment, digital transport protocol*. System settings allow you to reassign sensors to the required zones and use temperature readings from external peripheral devices; implement the functions of automatic starting and shutting down the engine, preheater and/or preheater based on temperature readings.

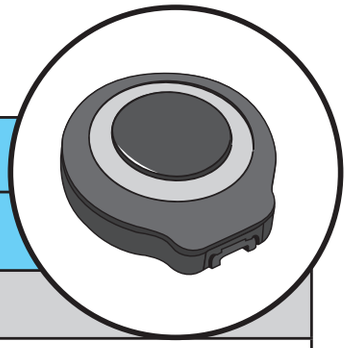
Built-in digital 2xFD-CAN/2xCAN/BEAN BUS/2xLIN* – allows the system to read statuses and exucute commands via digital buses, and work with Webasto Thermo Top Evo and Eberspacher Hydronic 1/2/3.

Built-in digital IMMO-KEY port and immobiliser bypass* – hardware and software algortihms with the special Pandora CLONE server allow the system to bypass original immobilisers for automatic and remote engine starts.

Built-in USB port – update and configuration of the system using a PC and Pandora Specialist.

! *The operation of the system depends on the functions declared by the manufacturer for a particular vehicle. It is recommended to consult with a qualified specialist beforehand about the availability of these functions.

Information signals of the system



LED INDICATOR SIGNALS	
SIGNALS	DESCRIPTION
THE SYSTEM IS ARMED	
Short red flashes	System is armed (an authorization device is out of its coverage zone)
Short green flashes	System is armed (an authorization device is in the coverage zone)
Fast red flashes	Alarm
THE SYSTEM IS DISARMED	
Lights red	System in delayed arming mode/re-arming/auto-arming
Lights green (when ignition is on)	System is in Service mode
Synchronized red and green flashes (when the ignition is turned on)	Confirms the number of paired control devices (remotes, Bluetooth remotes)
Green short flash (when switching on the ignition)	Confirms the number of paired radio tags
Red long flash (when switching on the ignition)	Confirms a paired mobile device
WHEN ENTERING THE “SECRET PIN-CODE” OR THE “SERVICE PIN-CODE”	
Synchronized red and green flashes	Confirms a button press
Red short flash	Confirms a digit input PIN-code is incorrect
Red and green flashes	Confirms correct PIN code

SOUND AND LIGHT SIGNALIZATION	
SIGNALS (sound / light)	DESCRIPTION
1x /1x	Arming
2x /2x	Disarming
5x /5x	Car search
30 sec. /30 sec.	Alarm, PANIC mode
3x	Remote/automatic engine start procedure indication
3x /1x	Warning level of a sensor is triggered
4x /4x	'Sensors were triggered' signal when disarming / Parking light is not turned off notification / 'Sensors are triggered" signal when arming
25 sec. /25 sec.	Engine blocking warning in Anti-Hi-Jack mode

BEEPER SOUND SIGNALS	
SINGNAL	DESCRIPTION
1 sound signal	Activating Service mode
2 sound signals	Deactivating Service mode
1 sound signal	Correct input of the "Immobiliser PIN-code"
3 sound signals/3 times	A battery in a radio tag is discharged (when turning on the ignition)
4 sound signals/4 times	Absence of an authorization device when you switch on ignition
Fast sound signals	Engine blocking warning

SYSTEM FUNCTIONS AND MODES

Security mode

The system confirms arming with **1x**  **sound** and **1x**  **light** signals. When the system is armed, the system monitors security zones with separated warning and alarm level of triggering:

- Warning mode - this mode activates when there is a slight impact on the shock sensor or additional senor. It is accompanied with **1x**  **light** and **3x**  **sound** signals;
- Alarm mode - this mode activates when a sensor or one of the security zones is triggered. It is **30 sec.**  **light** and **30 sec.**  **sound** signals. The alarm signals can be cancelled by an arming or disarming command.

If one of the security zones is triggered the system:

- records this event in its non-volatile memory;
- activates the alarm or warning mode;
- informs an owner by all available means;
- blocks the engine (in accordance with the settings and connections).

If one of the security zones is opened at the moment of arming, the system will produce **4x**  **sound** and **4x**  **light** warning signals.

If one of the security zones fails, the system will forcibly turn off this zone. If a switch triggers more than 9 times in a row, it will be disabled until the next arming. The shock/tilt/motion sensor is temporarily deactivated (15 sec.) if it has been triggered more than 3 times in a row.

The system confirms disarming with **2x**  **sound** and **2x**  **light** signals. The system deactivate engine blocking (if the immobiliser function and additional blocking are not used). If there were alarm events during the armed period, the system will produce **4x**  **sound** and **4x**  **light** warning signals. The system continues to display all zones when it is disarmed, but the information is not saved in the memory.

! For emergency disarming see «CONTROL OVER THE SYSTEM IN CASE OF EMERGENCY».

Security zones

- Interior temperature (status)
- Engine temperature (status)
- Outside temperature (status)*/**
- Voltage of the on-board circuits (status)
- Engine operation control - RPM (status)

- Heater operating control (status)
- Fuel level (status)
- Parking (automatic gearbox) /Handbrake (manual gearbox) status
- ”Parking light is not turned off” notification (status)
- Shock sensor (security zone – alarm and warning level)
- Motion sensor (security zone – alarm level)
- Tilt sensor (security zone – alarm level)
- OE alarm system status*, additional sensor** (status, security zone – alarm and warning level)
- Turning ignition on (status, security zone – alarm level)
- Opening doors (status, security zone – alarm level)
- Opening a trunk (status, security zone – alarm level)
- Opening a hood (status, security zone – alarm level)
- Pressing brake (status, security zone – alarm level)

! * Option available by digital buses of the vehicle.
** Option

Remote and automatic engine starts (OPTION)

The system allows the remote engine start using the “remote engine start” command from a remote control, mobile application or preconfigured automatic engine start function. Remote start can be used to heat engine and interior, charge battery or to cool the interior with air conditioning.

Remote and automatic starts can only be used when the system is armed. While the system is in remote or automatic start mode, it keeps performing all security functions of all of the security zones excluding a shock sensor and an additional sensor (the system can be configured to not disable the shock sensor during a remote engine start). To compensate it, the motion sensor sensitivity and responsiveness will be increased. If any security zone will be triggered, the engine will be immediately stopped and alarm mode will be triggered.

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

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

If a car has manual transmission, remote or automatic start will only occur if the program neutral procedure was followed when the car was arming.

AN EXAMPLE OF THE PROGRAM NEUTRAL PROCEDURE

1. When the engine is running, fixate the car with the handbrake and put gear lever to the neutral position. Program neutral procedure will be switched on automatically (by default system settings).
2. Turn the key in the ignition lock to the OFF position (the engine should still be running) and take it out of the lock (skip this step for cars with a Start/Stop button).
3. Leave the car, close the doors.
4. Arm the system - the engine will be stopped. Now the system is ready to perform remote and automatic engine start.

Automatic starts

The system allows configuring automatic engine start and stop conditions. Automatic starts can be configured using mobile application. The following conditions can be specified for automatic engine starts: schedule, time period, engine temperature, voltage. The engine will be stopped automatically after specified time or when the engine temperature reaches a specified value. The engine can be also stopped by a user command.

! Automatic engine starts and stops by temperature are available only if engine temperature data is available in digital buses of the car, or if an external engine temperature sensor is connected.
Remote and automatic engine starts are not available if the hood is open.
After a series of three unsuccessful attempts of automatic start, all following automatic starts will be cancelled until disarming/arming (this does not affect on remote engine start).

Slave mode

This mode allows arming and disarming using original vehicle control – an original key, button/sensor of a keyless access entry system.

! This mode is disabled by default - configuration of the system should be made by a qualified technician. It is recommended to activate the "Prohibit disarming when a tag is absent" to increase security features of the SLAVE mode. If this mode is activated, it will be possible to disarm the system only when an authorization device is in the coverage zone or using the "Immobiliser PIN-code" (see "Code Immobiliser" (pin-to-drive) function).

Owner authorization devices and functions

Authorization devices

Authorization devices are Bluetooth devices paired with the system (radio tags, Bluetooth remotes, mobile phone with the app). The devices are used to recognize an owner in the radio coverage zone of the base unit to arm/disarm the system (Hands Free mode) and to implement Immobiliser or Anti-Hi-Jack functions.

! To use a smartphone, remote control, watch, bracelet as an authorization device, you need to make additional system settings - configuration of the system should be made by a qualified technician. Install the beeper if you use authorization devices.

Hands Free mode

This mode is used for automatic arming/disarming when an owner with an authorization device is distancing or approaching a vehicle.

! This mode is disabled by default. The configuration should be made by a qualified technician.

Immobiliser mode

This mode is used to recognize an owner using authorization devices when the system is disarmed. When turning on the ignition, the base unit performs a search for authorization devices in the radio coverage zone. If there is no any authorization device in the radio coverage zone, the system will block the engine. Engine blocking will occur immediately or at the time a motion sensor detects movement, it depends on the system settings. When an authorization device appears in the coverage zone, the system will exit blocking mode and will continue to work in normal mode.

! This mode is enabled by default. Its operation depends on the method of connection and system configuration. For emergency disarming see «CONTROL OVER THE SYSTEM IN CASE OF EMERGENCY».

ANTI-HI-JACK-1/2 modes

The Anti-Hi-Jack modes help to prevent aggressive seizure of a vehicle in case of disappearance of authorization devices from the radio coverage zone when system is disarmed.

ANTI-HI-JACK-1 mode – The base unit checks if an authorization device is in the radio coverage zone each time when ignition is on and a door is opened/closed.

ANTI-HI-JACK-2 mode – The base unit constantly checks if an authorization device is in the radio coverage zone when ignition is on.

If the system cannot detect an authorization device, the base unit will perform a delayed engine blocking. The siren will play the 'Engine blocking warning' ringtone before blocking. The engine will be blocked immediately or at the time the car starts moving, it depends on the system settings. When an authorization device appears in the coverage zone, the system will exit blocking mode and will continue to work in normal mode.

! This mode is disabled by default - configuration of the system should be made by a qualified technician. For emergency disarming see «CONTROL OVER THE SYSTEM IN CASE OF EMERGENCY».

Code Immobiliser (pin to drive) function

This function allows to use the pre-programmed «Immobiliser PIN-code» to disable the engine blocking, Service mode, disarming the security system. The code must be entered using factory vehicle controls (buttons/lever/pedal) and/or additionally installed elements.

In case of emergency, it is possible to disable Code immobiliser by methods, described in «Control over the system in case of emergency».

AN EXAMPLE OF USING THE FUNCTION

- Turn on the ignition to disable engine blocking or Service mode, turning on the ignition is not required if you want to disarm the system or control time channels.
- Enter the «Immobiliser PIN-code», code can consist max of 4 digits from 1 to 9:
  - Press the pre-programmed button/lever/pedal the number of times equals to the first digit.
  - Pauses between presses should not exceed 1 second. More than 1 second pause will be interpreted as the start of the next digit input.
- The system will confirm the correct input by a sound signal of the beeper and will activate a programmed action.

! This mode is disabled by default - configuration of the system should be made by a qualified technician. For emergency disarming see «CONTROL OVER THE SYSTEM IN CASE OF EMERGENCY»

Beach mode

This mode allows to use the pre-programmed «Beach mode PIN-code» for system arming/disarming. The code must be entered using factory vehicle controls (buttons/sensors) or additionally installed element.

AN EXAMPLE OF USING BEACH MODE

- Press the factory or additionally installed element until the single light flash, thereafter start to enter «Beach mode PIN-code».
- Enter the «Beach mode PIN-code», code can consist max of 4 digits from 1 to 9:
  - Press the control element the number of times equals to the first digit.
  - Pauses between presses should not exceed 1 second.
  - More than 1 second pause will be interpreted as the start of the next digit input.
- After the correct input the system will confirm arming/disarming by the sound and light signals.

! This mode is disabled by default - configuration of the system should be made by a qualified technician.
For emergency disarming see «CONTROL OVER THE SYSTEM IN CASE OF EMERGENCY»

Checking the number of paired devices

The number of recorded remote controls can be checked by the number of flashes of the LED indicator on the VALET button or on the base unit. Synchronized red and green flashes confirm the number of paired control devices (remotes, Bluetooth remotes).
The green short flash will indicate the number of control devices (remotes, tags, watches, bands).
The red long flash will indicate a paired mobile device.

You can also check the number of recorded devices by taking off and putting back on battery terminal (if possible). The system will emit short sound signals from a siren , with less than 1 sec. interval.

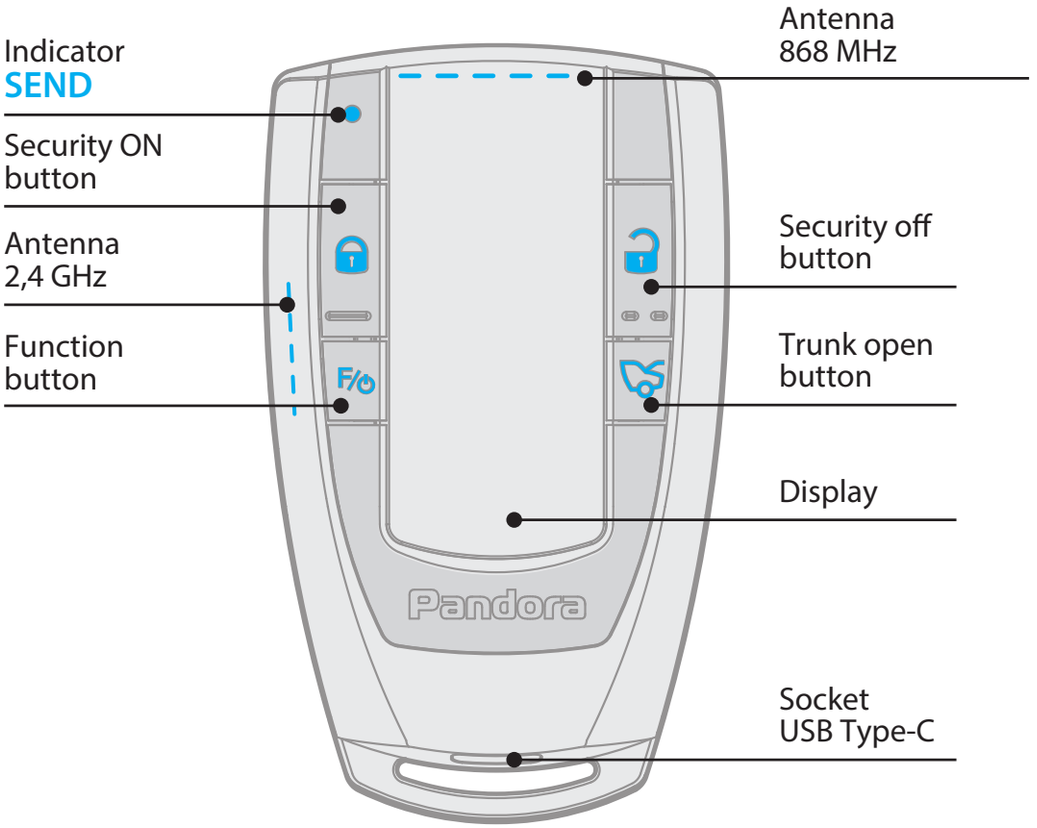
REMOTE CONTROL D-061

A remote control is a device used for operational control and to display the status of the system and vehicles. The remote control is designed to operate in one of two transmission ranges when within the security system's coverage area.

Control using the remote control is carried out:

- remotely - using control buttons (see table "Remote control D-061 button assignments");
- automatically when approaching or moving away from the system in the immobiliser, anti-robbery, hands-free modes (see the description "Owner authorization devices and modes").

! The remote control is delivered switched off, switch it on according to the instructions. Additional system settings are required to control the remote control in automatic mode. Settings should be made by a qualified specialist.



! When operating with the remote control, it is recommended not to cover the built-in antenna area with your fingers (see figure). For the remote control to function correctly as an authorisation device, do not place it near metal, magnetic or electronic objects (magnetic and credit cards, telephones, keys, key rings, etc.). It is permitted to keep the remote control concealed on your belt or in your front pocket. Do not expose the remote control to high temperatures, moisture or strong impacts.

Switching on/off remote control

To turn on the remote control, press and hold F button until three beeps (3 sec.), at the moment of turning on, the "REMOTE CONTROL TURN ON" melody will sound. If the remote control does not turn on, charge it (see the description "Charging D-061 remote control"). Pressing and holding the button again will turn off the remote control.

Charging D-061 remote control

The remote control display has an indication of the charge level; charge the remote control if the indicator displays the last segment or the remote control does not turn on. Charging can be carried out using a wireless charger or a standard USB Type-C cable.

! THE CHARGING PROCEDURE RESULTS IN THE AUTOMATIC TURNING ON OF THE REMOTE CONTROL.

Remote control D-061 button assignments

	SYSTEM IS DISARMED		SYSTEM IS ARMED
	Ignition is on	Ignition is off	
(short press)	Lock doors	Arming	Search mode
(1 sec.)		Silent arming	Search mode silent activation
(2 sec.)	Hold-On ignition mode ON		
(3 sec.)	Program neutral ON		Remote engine start. Increase engine running time with Remote and Automatic engine starts
(short press)	Unlock doors	Unlock doors	Disarming
(1 sec.)			Silent disarming
(2 sec. and more)	Hold-On ignition mode OFF		Remote engine stop. Cutoff: Remote engine start Automatic engine start Ignition support Turbo timer
(3 sec. and more)	Activate/deactivate Service mode	Deactivate Service mode	
(1 sec.)	Unlock trunk		
F/⏻ (1 sec.)	ON/OFF Preheater		
F/⏻ (2 sec.)	Switch ON time channel		
F/⏻ (3 sec.)	ON/OFF D-061 remote control		
+ (short press)	PANIC mode ON/OFF		
+ F/⏻ (short press)	Arming with running engine	Arming in 30 sec	
+ F/⏻ (1 sec.)	Silently arming with running engine	Silently arming in 30 sec	
+ F/⏻ (2 sec.)	Deactivation/activation sound confirmation of button pressing on the remote control D-061 (does not apply to alarm signal)		

REMOTE CONTROL PICTOGRAMS

REMOTE CONTROL INFORMATION

CURRENT TIME

POWER CHARGE LEVEL

POWER CHARGE

LONG RANGE CONNECTION 868MHZ

CLOSE RANGE CONNECTION 2.4 GHZ

COMMAND TRANSFER

NO CONNECTION

SYSTEM FUNCTIONS AND MODES

ARMED

DISARMED

DELAYED ARMING

MAINTENANCE MODE
ON

ENGINE PREHEATING
ON

GSM CALL (call by pressing the SOS button, incoming call by phone)

VEHICLE STATUS INFORMATION

IGNITION

TACHOMETER

FUEL

NEUTRAL
(no handbrake/parking)

ENGINE TEMPERATURE
ENGINE RUN TIME

INTERIOR TEMPERATURE

HOOD

DOORS

TRUNK

ALARM AND WARNING ZONES


IGNITION


BRAKE PEDAL


HOOD


TRUNK


DRIVER'S DOOR


PASSENGER DOOR


REAR LEFT DOOR


REAR RIGHT DOOR


SHOCK SENSOR
(Alarm zone)


SHOCK SENSOR
(Warning zone)


TILT SENSOR SECURITY ZONE


MOTION SENSOR SECURITY ZONE


ADDITIONAL SENSOR ALARM LEVEL /
ORIGINAL ALARM STAUS
(alarm zone)


ADDITIONAL SENSOR
(warning zone)


LOW CHARGE
(low battery voltage)

Meaning of the SEND indicator light

GREEN LIGHT INDICATOR	RED LIGHT INDICATOR
• flashes shortly if there is a connection • no light if there is no connection	• flashes frequently during any warnings • flashes shortly when there is no connection

Firmware update remote control D-061

- Connect the USB cable to the power source -> while holding down the F/ button, connect the USB cable to the remote control -> after connecting the cable, release the button (the remote control indicator will light red).
- Open the mobile application «Pandora Specialist» (Android / IOS) -> log in -> go to the section «Advanced mounting» or «Quick installation» -> connect to the remote control via Bluetooth connection -> select one of the download options («Download firmware» - download the latest software from the server, «File manager» - download previously downloaded software) -> after selecting the required option, start the download.

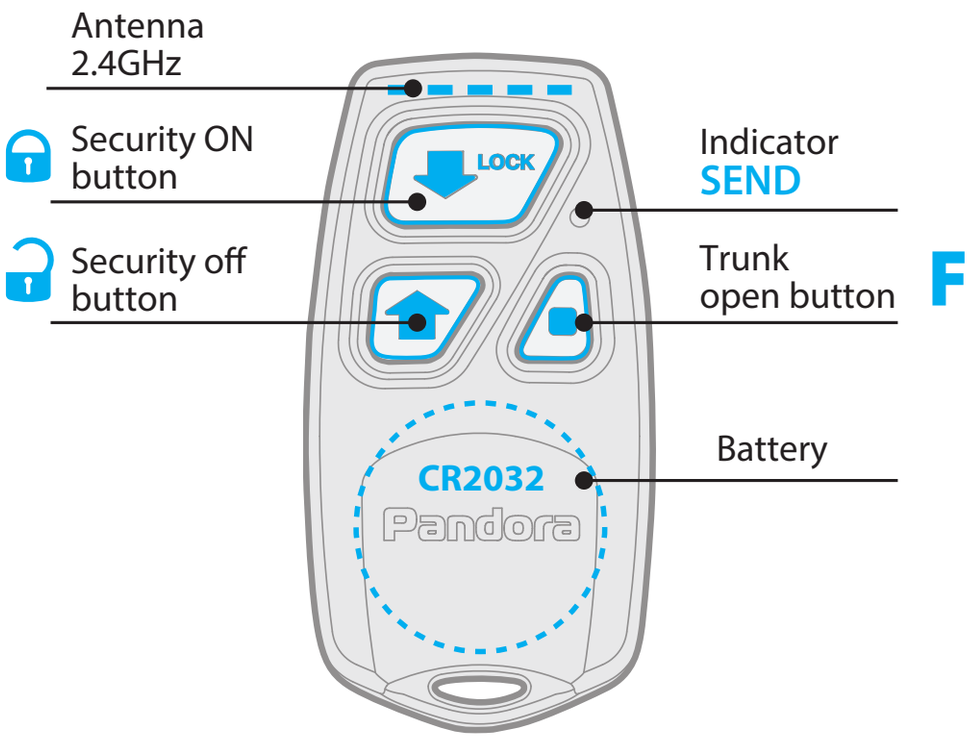
! The current version of the software is available on the website https://pandorainfo.com (section "support").

REMOTE-CONTROL TAG

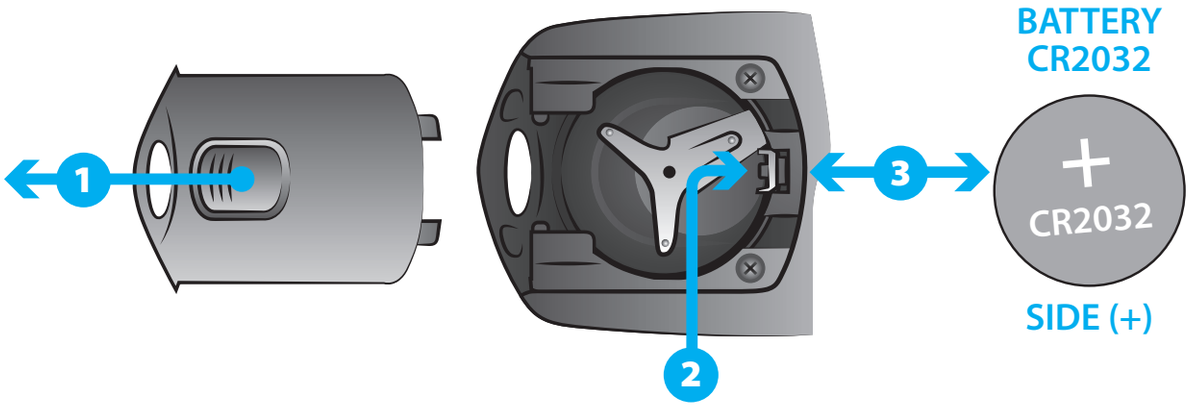
A remote-control (hereinafter referred to as a remote-control) is a device used for operational control and to display the status of the system and vehicles. The remote control is designed to work when within range of a security system within Bluetooth connection distance.
Control using the remote control is carried out:

- remotely using control buttons (see table "Remote control Tag button assignments");
- automatically when approaching or moving away from the system in the immobiliser, anti-robbery, hands-free modes (see the description "Owner authorization devices and modes").

! Additional system settings are required to control the remote control in automatic mode. Settings should be made by a qualified specialist.



! When operating with the remote control, it is recommended not to cover the built-in antenna area with your fingers (see figure). For the remote control to function correctly as an authorisation device, do not place it near metal, magnetic or electronic objects (magnetic and credit cards, telephones, keys, key rings, etc.). It is permitted to keep the remote control concealed on your belt or in your front pocket. Do not expose the key remote control to high temperatures, moisture or strong impacts.



Battery replacement instructions

The CR2032 battery with a nominal voltage of 3V is used in the remote control. The battery should be replaced if the sound and light indication is missing while pressing buttons.

An example of replacing the battery:

- remove the key ring;
- press the lock-button on the battery cover and slide cover down (pic.1);
- gently press the battery holder and release the battery (pic. 2);
- install the new battery observing the polarity (pic. 3);
- close the battery cover and install the key ring back.

Firmware update REMOTE-CONTROL TAG

- Press and hold the button **F** until the tenth flash of the **SEND** indicator (more 10 seconds);
- Open the mobile application «Pandora Specialist» (Android / IOS) -> log in -> go to the section «Advanced mounting» or «Quick installation» -> connect to the remote control via Bluetooth connection -> select one of the download options («Download firmware» - download the latest software from the server, «File manager» - download previously downloaded software) -> after selecting the required option, start the download.

! The current version of the software is available on the website https://pandorainfo.com (section "support").

Remote control Tag signals

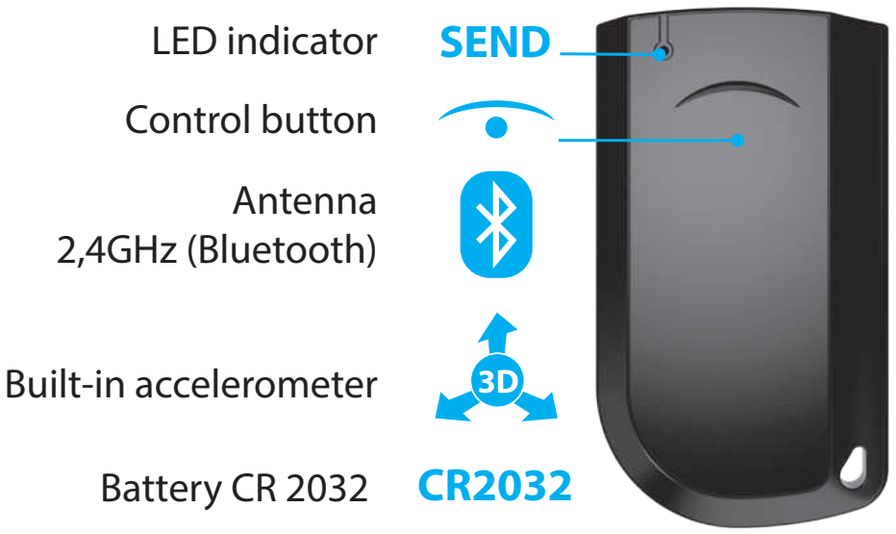
SIGNALS	DESCRIPTION
melody/sound. SEND indicator - red /green (light: «-» short, «-» long, «...»series)	
- 1x GREEN flash /	Confirmation of the remote engine start/stop commands
- 1x GREEN flash /	System arming confirmation
- 2x GREEN flash /	System disarming confirmation
- 1x GREEN flash /	Warning (one of security zones is triggered when arming)
- 1x RED flash /	Button pressing confirmation
- 1x RED flash /	Button holding confirmation
— 1x RED flash /	Connection with the system lost
••• RED flash /	Alarm mode One of the security zones triggered when arming

Remote control Tag button assignments

	System is disarmed		System is armed
	Ignition is on	Ignition is off	
(Short)	Lock doors	Arming	Search mode
(1sec.)		Silent arming	Search mode silent activation
(2 sec.)	Hold-On ignition mode ON		
(3 sec.)	Program neutral ON		Remote engine start. Increase engine running time with Remote and Automatic engine starts
(Short)	Unlock doors	Unlock doors	Disarming
(1 sec.)			Silent disarming
(2 sec. and more)	Hold-On ignition mode OFF		Remote engine start. Increase engine running time with Remote and Automatic engine starts
(3 sec. and more)	Activate/deactivate Service mode	Deactivate Service mode	
F (1 sec.)	Unlock trunk		
F (2 sec.)	Additional function		
F (10 sec.)	Update remote controls firmware		
+ (Short)	PANIC mode ON/OFF		
+ F (Short)	Arming with running engine	Arming in 30 sec	
+ F (1 sec.)	Silent arming with running engine	Silent Arming in 30 sec	
+ F (2 sec.)	Deactivation/activation sound confirmation of button pressing on the remote control (does not apply to alarm signal)		

IMMOBILISER RADIO TAG

A radio tag is a device used to control a vehicle/system on a distance of a Bluetooth connection. The tag is also used as an authorization device for «Immobiliser/Anti-Hi-Jack/Hands Free» modes. The radio tag has: a control button for arming/disarming and activating/deactivating Service mode, a built-in accelerometer, which allows the tag to go in the energy saving mode when there is no movement and LED indicator **SEND**.



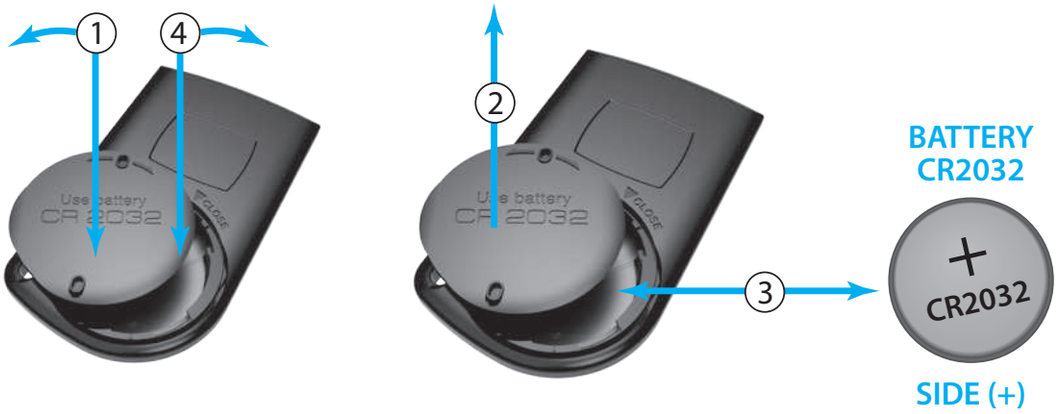
! For correct operation, it is not recommended to place the radio tag near the metal objects, magnetic and electronic devices (credit cards, phones, keys, remotes, etc.). Do not expose the radio tag with high temperatures, moisture, or strong impacts. It is recommended to place the radio tag on the belt in an individual case or in the front pocket of clothing.

Tag battery installation/replacement

The tag uses a CR2032 battery with a nominal voltage of 3V. The battery must be replaced if there is no light indication when the RFID tag button is pressed or if warning messages are received from the system.

1. Turn the battery cover towards «OPEN».
2. Remove the battery cover.

3. Remove the battery from the battery compartment and, observing the polarity, install a new one (when installing a high-quality battery, the **SEND** indicator light will make three red flashes).
4. Install and rotate the battery cover in the "CLOSE" direction.



Prompt entry/change of the main owner phone number

For a prompt entry/change of the main owner's phone number follow next steps:

- Disarm the system, being near the vehicle call the system phone number, wait for the answer (Enter the «Guest PIN-code if you are calling not from the owner's phone number. Default value is 1-2-3-4);
- Press and hold button on the radio tag until two flashes of the **SEND** indicator, then release button;
- System will save incoming phone number as the «Main owner's phone number» and will repeat it;
- End call.

! The phone number could be also change using mobile device (See «Changing settings via a phone» section).

Firmware update RADIO TAG

- Press and hold the button of the radio tag until the 10th flash of the **SEND** indicator, then release the button.
- Open the mobile application «Pandora Specialist» (Android / IOS) -> log in -> go to the section «Advanced mounting» or «Quick installation» -> connect to the remote control via Bluetooth connection -> select one of the download options («Download firmware» - download the latest software from the server, «File manager» - download previously downloaded software) -> after selecting the required option, start the download.

! The current version of the software is available on the website https://pandorainfo.com (section "support").

Functions of the button

PRESS	DESCRIPTION
- short press (when ignition is off)	System arming/disarming
- press and hold for 1 sec. (when engine is running)	Activation of «Ignition hold on» mode
- press and hold for 2 sec. (when system is disarmed)	Change the «Main owner phone number»
- press and hold for 3 sec. (when ignition is on)	Activating/deactivating Service mode
- press and hold for 6 sec. (in programming mode)	Pairing a tag with the base unit
- press and hold for 10 sec.	Firmware update

CONTROL OVER THE SYSTEM BY PHONE

! For the correct operation of the GSM functions, an owner should monitor the status/balance of the SIM card installed in the system. If the SIM card is blocked or defective, GSM functions of the system will be unavailable.

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

Default settings allow the system to receive calls only from the phone number programmed as an "Owner's main number". If you call from any other numbers, including Additional owner's numbers, it will be necessary to enter the "Guest PIN-code" (default value is 1-2-3-4).

*It is required to enter the "Secret PIN-code" after dialing a command.

*	Repeat the last message
1 *	Arming
0 *	Disarming
1 0 *	Silent arming
0 0 *	Silent disarming
1 1 *	Turning on the "Active security" mode
1 5 9 *	Unlocking trunk
9 *	Help
1 5 *	Tow truck mode
1 0 0 *	Request GSM account balance
1 2 3 *	Start the engine/prolong heating
3 2 1 *	Stop the engine
3 3 3 *	Switch on add. function using F via CAN
5 0 0 *	Request current coordinates
7 5 3 *	Force connection to the server
4 5 6 *	Switch on additional channel
6 5 4 *	Switch off additional channel
2 5 8 *	System information
2 2 2 *	Disable Hands Free mode
2 2 3 *	Enable Hands Free arming
2 2 4 *	Enable Hands Free disarming
2 2 5 *	Enable Hands Free disarming only with autom. start
7 8 9 *	Enable automatic engine start
9 8 7 *	Disable automatic engine start
2 9 7 *	End call
5 5 1 *	Enable Service mode (see description below)*
5 5 2 *	Disable Service mode
1 5 6 *	Switch on engine preheater
6 5 1 *	Switch off engine preheater
6 6 6 *	Enable engine blocking
9 9 9 *	Disable engine blocking*
9 9 8 *	Disable authorization devices*
8 8 8 *	Enable authorization devices
4 2 4 *	Fuel level calibration

! If the main owner's phone number is not programmed, the system will receive a call from any number without the need to enter the «guest pin-code».

Additional system settings allow to: receive a call from the «first additional owner's number» without entering the «guest pin»; request the «guest pin-code», while calling from any phone numbers; deny incoming calls for all numbers except the «main owner's phone number». The configuration should be made by a qualified technician.

DTMF commands
For example: To have simple access to engine start function, create a new contact in the contact list of your phone, name it 'Engine start', for instance, and add the number in the following format: +XXXXXXXXXXX,123*,297* where "+XXXXXXXXXXX" – the system phone number, "," - pause is a feature of the phone (can be displayed as the 'P', see the instructions of the phone), "123*" - remote engine start DTMF command, "297*" - end call DTMF command. Contact can be added as a speed dial to any of the free button.To have simple access to engine start function a phone other than the main owner's phone, create contact in the following format: +XXXXXXXXXXX,1234,123*,297* where '1234' – guest PIN-code.

Activate/Deactivate Service mode
1. Call the system number. Wait for the answer.
2. Turn on the ignition, an authorization device (a radio tag, a remote control, a paired mobile phone with the app installed) must be in the coverage zone, enter the "Immobiliser PIN-code" (if the "Code Immobiliser" function is enabled).
3. To activate Service mode, dial the **551*** DTMF command — "Activate Service mode", then enter the "Secret PIN-code" from the owner's personal card.
4. To deactivate Service mode, dial the **552*** DTMF command — "Deactivate Service mode".

Voice help
The system has a voice help menu. During a voice call to the system, dial **9*** and listen to the information about system control commands.
To end the session, hang up the phone.

Repeat the last message
To repeat any message, press * during a voice call to the system.

Arming/Disarming
1. Call the system number. Wait for the answer.
2. Dial **1*** to arm, and **0*** to disarm. For silent arming dial **10*** or **00*** for silent disarming
3. The system will confirm arming/disarming. To end the session, hang up the phone.

Enabling/disabling automatic engine starts Pandora systems have a function of prompt disabling automatic engine start:
1. Call the system number and wait for the answer.
2. Dial **987*** to disable all automatic engine starts or **789*** to enable.

3. The system will confirm execution of the command. To end the session, hang up the phone. Automatic starts can be enabled again by dialing **789*** (all previous settings will remain intact).

Request current coordinates
1. Call the system number. Wait for the answer.
2. Dial **500***.
3. The system will confirm: 'Current coordinates are sent via text message' and will send text message with coordinates and a web link to a map to your phone.
To end the session, hang up the phone.

Request GSM balance
1. Call the system number. Wait for the answer.
2. Dial **100***.
3. The system will confirm: 'Balance information is sent via text message' and will send text message with account balance information to your phone.
To end the session, hang up the phone.

Tow truck mode
This mode is intended for car transportation with preservation of arming function. Tow truck mode can be activated only when the system is armed, it will be deactivated automatically when disarming.
1. Call the system number. If the system is in PANIC mode, receive an emergency call. Wait for the answer.
2. Dial **15***, to enable the "Tow truck" mode, the system will disable motion, shock and tilt sensors. To end the session, hung up the phone.
3. To disable this mode, disarm the system.

Activating/Deactivating engine blocking
You can block a car engine using any phone. The engine will remain blocked until phone command 'Unlock engine' will be sent and the "Secret PIN-code" will be entered. This blocking cannot be disabled using a remote control or VALET button.
1. Call the system number and wait for the answer.
2. Dial **666*** to block an engine or **999*** to unlock it (after dialing **999*** you should enter the "Secret PIN code" that is located on the owner's card).

! All other commands can be entered in the same manner.

Changing settings via a phone

Disarm the system, call the system number, wait for the answer, switch on the ignition for 1-3 seconds (but no more than 5 seconds), then switch it off. The system will enter the settings mode.

An example of changing the owner`s system number

1. Enter the setting menu via a phone according to the instruction above;
2. Dial DTMF command **1***(phone number settings) and 1*(owner's system number);
3. Enter new owner's number in the format *XXXXXXXXXXX # (the system recognizes '*' as '+');
4. To confirm, dial 1*.

! There are 2 ways to change main owner's phone number:
1. Via a phone, using DTMF commands settings mode.
2. Using radio tag s and the VALE T butt on:
- disarm the system, get in the vehicle, call the system phone number, wait for the answer (dial the "Guest PIN-code" (default value is 1-2-3-4) if you are calling not from the main owner's number);
- press and hold the control butt on on the radio tag until two flashes of the LED indicator (2 seconds) or shortly press the VALE T button;
- the system will recognize the incoming phone number as the "Main owner's phone number".

An example of entering a balance request number

1. Follow the instructions above to proceed with the system settings mode.
2. Press keys 1 and'star' to program telephone numbers, then press keys 4 and'star' to enter a balance request number.
3. Enter the balance request number of the cellular operator, and when finished, press the hash '#'.
4. To confirm entering the balance number, you must press the 1 and'star' keys.

Once the balance request number has been entered, a balance request can be made using the 100* command (see section "CONTROL OVER THE SYSTEM BY PHONE") and the system also begins periodically sending SMS messages about the balance status to the phone number of the system owner.

! On the 28th of every month, an automatic SMS message about the balance status is sent. Additional information provided by the cellular operator may be included in information about the balance status.

! Information about the balance status and the accuracy of its determination depend on the specifics of the mobil

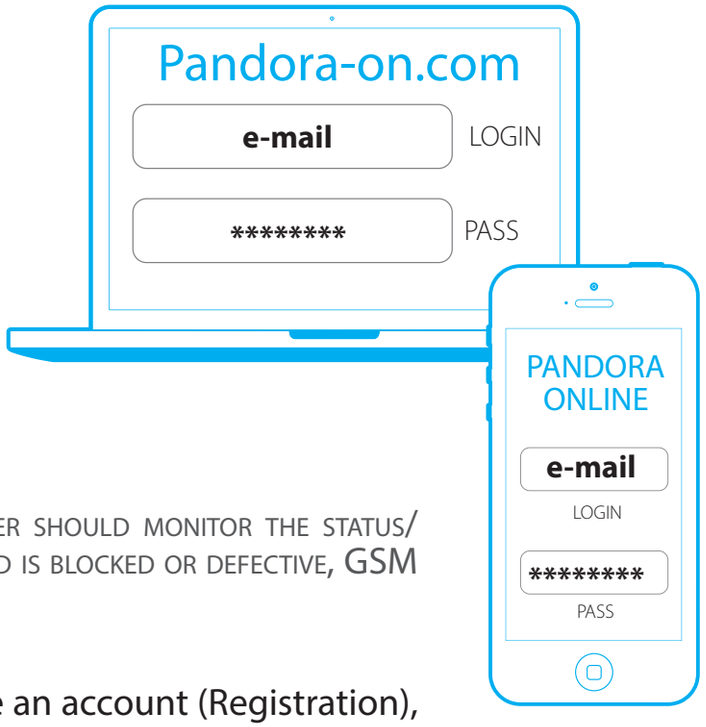
- **1 * Phone number settings**
  - 1 * Owner's number -> #
  - 2 * Additional owner's number -> #
  - 3 * Second additional owner's number -> #
  - 4 * Account balance inquiry number -> #
  - 5 * System's number -> «#»
- **2 * Settings of the voice calls**
  - 1 * Voice calls on alarm
  - 2 * Voice 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
  - 0 * Text messages on accident
- **4 * Immobiliser settings**
  - 1 * Immobiliser (on/off)
  - 2 * Anti-Hi-Jack
- **5 * Additional settings**
  - 1 * Changing Guest PIN-code
  - 2 * Entering as guest
  - 3 * Enable/disable command 666
  - 5 * Set threshold voltage for sending text message
- **6 * Automatic engine start settings**
  - 1 * By time
  - 2 * Set up time for automatic start
  - 3 * By voltage
  - 4 * Set up voltage for automatic start
  - 5 * By temperature
  - 6 * Set up temperature for automatic start
  - 7 * By period
  - 8 * Set up period for automatic start
- **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 tilt sensor sensitivity
  - 5 * Settings of the warning level of the supplementary sensor sensitivity
  - 6 * Settings of the alarm level of the supplementary sensor sensitivity
- **8 * Settings of saving mode**
  - 1 * GSM connection
  - 2 * Money saving mode of the GSM connection
  - 3 * Voice calls in roaming service
- **9 * Current time and date settings**
  - 1 * Set up date
  - 2 * Set up time

NOTE: Engine start via temperature is available only if temperature sensor is connected. The sensor availability depends on the system set

ONLINE SERVICE AND MOBILE APPLICATIONS

Telemetric functions of the system allow you to control your vehicle using the online service pandora-on.com or mobile app - Pandora Online. A SIM card with Internet access is installed in the system to provide this functionality.

When approaching the vehicle or when Internet connection is missing a mobile phone with the app installed can work with the system via a Bluetooth connection. The mobile phone must be paired with the system.



! FOR THE CORRECT OPERATION OF THE GSM FUNCTIONS, AN OWNER SHOULD MONITOR THE STATUS/BALANCE OF THE SIM CARD INSTALLED IN THE SYSTEM. IF THE SIM CARD IS BLOCKED OR DEFECTIVE, GSM FUNCTIONS OF THE SYSTEM WILL BE UNAVAILABLE.

Before using the online-service, it is necessary to create an account (Registration), login to your account (using your email and password created on the registration step) and add the system to your account (enter information from the Owner's personal card).

Web-service: **https://pandora-on.com**.
The **Pandora Online** mobile app is available for downloading from the corresponding app store:
App Store for iOS devices;
Google Play for Android devices.

Download on the App Store

GET IT ON Google Play

! THE MANUFACTURER RESERVES THE RIGHT TO MAKE CHANGES OF THE INTERFACE AND FUNCTIONALITY OF THE INTERNET SERVICE AND MOBILE APPLICATION WITHOUT NOTIFYING THE CONSUMER.

Registration

Visit the website or open the mobile app to create an account. You will create the data to sign in: LOGIN - your email, PASSWORD - a password entered during the registration. You will receive an email with a confirmation link. Click the link to complete the registration procedure.

Login

After completing of the registration process, you can login to the online service via a computer's web browser or via the mobile application Pandora Online. Use your previously created data:

Login - your e-mail;
Password - previously created password.

Adding a system to your account

The created account can support up to 3 telemetry systems. Use the information from the Owner's personal card to add the system to your account.

Go to the «Add a device/Add a system» window and enter the LOGIN and PASS from the Owner's personal card, create a name for your vehicle and click «Add». If you need to use several systems/devices on the same account: enter the application settings, click «Change», click «+», in the «Device Registration» window, enter the data of a new system/device located on the Owner's personal card.

After this, you will be able to control, change settings and get information about the vehicle state through the online-service.

Writing a mobile device to the system memory

When approaching the vehicle or when Internet connection is missing a mobile phone with the mobile application Pandora Online installed can work with the system via a Bluetooth connection. This type of connection allows you to control the system, receive status information and use your mobile phone as an authorization device. After installing the mobile application pair your mobile device with the system.

! The system supports Bluetooth connection only with one mobile device. The previously recorded smartphone is deleted from the system memory each time you perform a recording operation.

! Additional system settings are required to use a smartphone as an authorization device. Settings should be made by a qualified specialist.

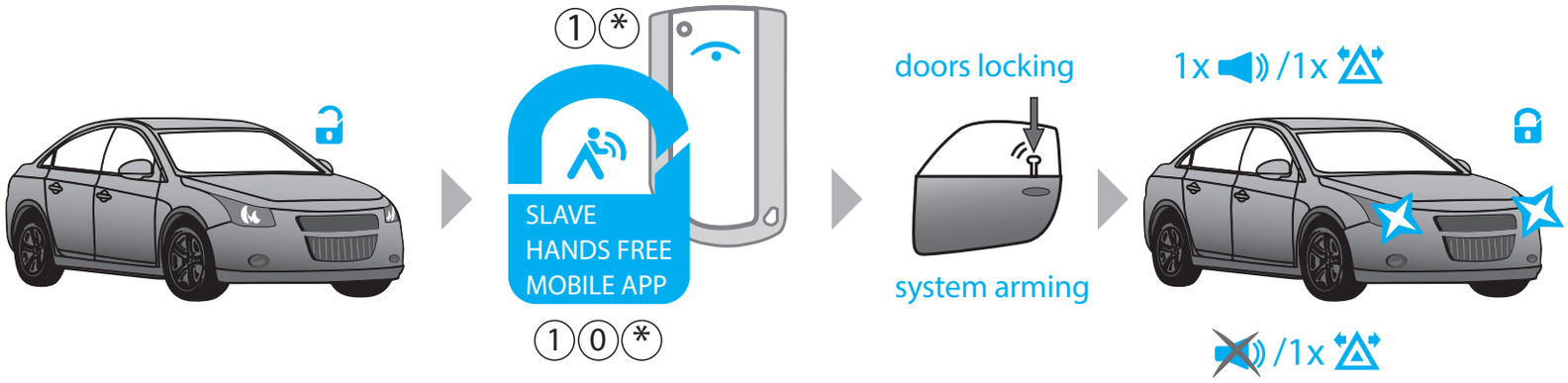
RECORDING PROCEDURE:

- ensure that the ignition, security and service modes are off and the system is disarmed.
- use the VALET button to enter the «Service PIN-code» (default value is 1-1-1-1). See the detailed description of the procedure in the «Control over the system in case of emergency» section.
- after entering programming mode, press and hold the VALET button for 5 seconds (until the fifth
- signal of the siren/beeper).
- enable the Bluetooth connection in the mobile device, open the mobile application;
- click on the name of your vehicle, then «Configure Bluetooth», then «Start search», select the system found, click «connect» and confirm the connection;
- turn the ignition on and off to return to normal operation mode.

CONTROL OVER THE SYSTEM

Arming

To arm the system when the ignition is off, use one of the methods described below. The system will confirm the command with 1x short sound signal and 1x flash of light signalization.



Remote control
To arm the system, press shortly the button.
To arm the system without a sound notification, press and hold the button for more than 1 second.

Radio tag
A radio tag must be in the Bluetooth coverage area. Shortly press the control button on the tag.

Slave mode
Shortly press the “Lock” button on an original remote control of a vehicle or use the sensor/button on the door handle (for cars with an intelligent access system).

Phone
Call the system number. Wait for the answer. Dial the 1* command. To arm the system without siren signals dial the 10*.

Online service PANDORA-ON.COM
Login to the PANDORA-ON.COM, when the system is online (there is an Internet connection) press the button on the control panel.

Mobile application Pandora Online

Open the mobile application. When the system is online (there is an Internet or Bluetooth connection), press and hold the button on the control panel until the scale is fully loaded.

HandsFree mode

Move with an authorization device away from your vehicle.

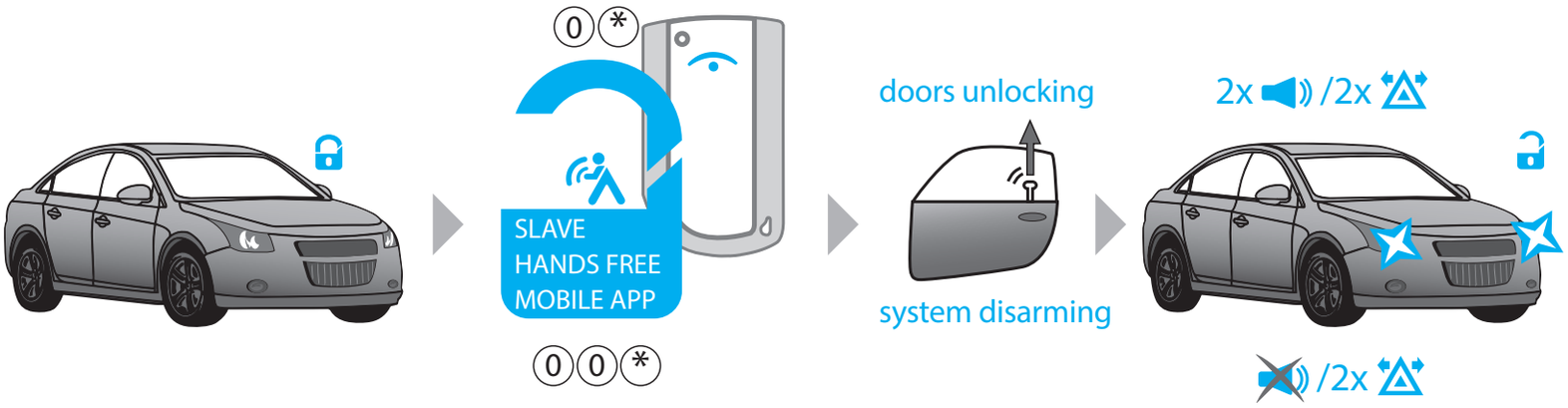
VALET button

Press and hold the VALET button for 3 seconds. The system will be armed in 30 seconds. The LED indicator is lighting red during the countdown.

! THERE IS AN OPTION IN THE SYSTEM SETTINGS THAT ALLOWS TO ARM THE SYSTEM WITH DISABLED SENSORS (SHOCK/TILT/MOTION AND ADDITIONAL SENSORS). THE CONFIGURATION SHOULD BE MADE BY A QUALIFIED TECHNICIAN.

Disarming

To disarm the system, use one of the methods described below. The system will confirm the command with 2 short sound signals 2x and 2 flashes of turn indicators 2x.



Remote control

To disarm the system, press shortly the button.

To disarm the system without a sound notification, press and hold the button for more than 1 second.

Radio tag

A radio tag must be in the Bluetooth coverage area. Shortly press the control button on the tag.

Slave mode
Shortly press the "Unlock" button on an original remote control of a vehicle or use the sensor/button on the door handle (for cars with an intelligent access system).

Phone
Call the system number. Wait for the answer. Dial the 0* command. To disarm the system without siren signals dial the 00*.

Online service PANDORA-ON.COM
Login to the PANDORA-ON.COM, when the system is online (there is an Internet connection) press the button on the control panel.

Mobile application Pandora Online
Open the mobile application. When the system is online (there is an Internet or Bluetooth connection), press and hold the button on the control panel until the scale is fully loaded.

HandsFree mode
Move towards the vehicle with an authorization device.

VALET button
Enter the "Secret PIN-code" (see the "Control over the system in case of emergency" section).

Unlocking the trunk

The system allows to unlock the trunk no matter if the system is armed or not. If the system is armed when this action is performed, the trunk will be disarmed, shock and supplementary sensors will be disabled. All the other security zones will remain armed. If the trunk was not opened in 15 seconds after using «unlock trunk» command, the system will lock it again, enable sensors and arm trunk security zone. This will be indicated with 1 flash of turn signals 1x.

Remote control
To unlock the trunk, press and hold the button on the Remote control D-061 or button **F** on the Remote control TAG.

Mobile application Pandora Online

Open the mobile application. When the system is online (there is an Internet or Bluetooth connection), press and hold the button on the control panel until the scale is fully loaded.

Slave mode

Shortly press the open trunk button on a factory remote control or use a sensor/button on a trunk door (for cars with an intelligent access system).

Locking/unlocking doors when ignition is on

The system allows you to lock and unlock doors when ignition is on. To do this, use one of the methods described below.

Remote control

To lock the doors, press shortly the button; to unlock the doors, press the .

Radio tag

A radio tag must be in the Bluetooth coverage area. Shortly press the control button on the tag.

Mobile application Pandora Online

Open the mobile application. When the system is online (there is an Internet connection), press and hold the button to lock doors or the button to unlock doors on the control panel until the scale is fully loaded.

Automatic modes

There are automatic lock modes that will lock the doors:

- on switching on the ignition - the doors will be locked automatically 5 seconds after the ignition was switched on;
- at the car movement - the system will detect car moving or change of parking brake position and perform doors locking (if speed status missing in a digital CAN-bus locking will be performed by motion sensor)
- on switching off the ignition - doors will be automatically unlocked when the ignition is switched off.

! This mode is disabled by default. The configuration should be made by a qualified technician.

Delayed arming

If you cannot arm vehicle using a remote control (you have your hands full) when leaving, you can use delayed arming. In this mode, the remote VALET button indicator lights red for 30 seconds, after which the system switches to security mode.

Remote control

To activate this mode, shortly press and F buttons simultaneously.

To activate this mode without sound confirmation, press and hold both and F for 1 second. To cancel delayed arming when it is triggered, simply press button.

PANIC mode

If your vehicle or you are in danger and you want to draw attention to your vehicle, you can use PANIC mode. In this mode the siren will sound and turn signals will flash repeatedly for 30 seconds.

Remote control

To activate panic mode, press shortly the buttons and press .

To deactivate panic mode, press and hold buttons and press for 1 second.

Mobile application Pandora Online

Open the mobile application. When the system is online (there is an Internet or Bluetooth connection), press and hold the button on the control panel until the scale is fully loaded.

To switch this function off press and hold the button on the control panel until the scale is fully loaded.

Vehicle search function

To find a vehicle in a car park, use the car search function when the alarm is charged. In this mode, there will be five tones of the siren 5x and five flashes of the light 5x.

Remote control

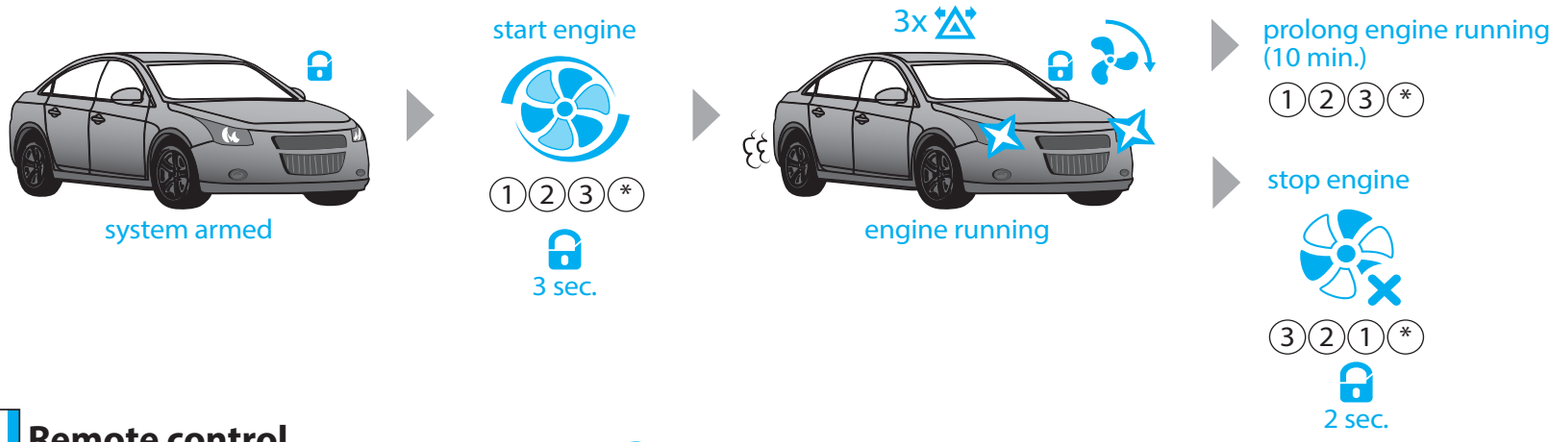
To activate the search mode, press shortly the button on the remote control.

To activate the search mode without a sound notification press for 1 second on the remote control.

! Search function is available after 10 seconds of arming.

Remote engine start

If the system is ready for remote engine start, use one of the methods described below to start the engine, the system will confirm the command with 3x light signalization.



Remote control

- To remote start the engine, press the button and hold it for 3 second. The engine operating time can be extended by 10 minutes by sending an engine start command from the remote control during remote or automatic engine start (press the button and hold it for 3 seconds) - this procedure can be repeated multiple times.
- To stop the engine, press button and hold it for 2 seconds or more (the remote control must be in the radio coverage zone).

! Remote engine start by an original key does not require any additional settings. Check if the function available for your car in loader.pandorainfo.com

The function becomes available only 30 seconds after arming.

Phone

- To start the engine, call the system number, wait for the answer. Dial the command ①②③*. If you repeat the command ①②③*,when the engine is running, it will prolong the operation period by 10 minutes (this procedure can be repeated multiple times).
- To stop the engine, call the system number, wait for the answer. Dial the command ③②①*.

Online service PANDORA-ON.COM

- To start the engine, login to the PANDORA-ON.COM, when the system is online (there is an Internet connection) press the START ENGINE button on the control panel. In a few seconds the engine will be started, it will be confirmed with the spinning pictogram .
- To stop the engine remotely, press the «STOP ENGINE» button.

Mobile application Pandora Online

- To start the engine, open the mobile application. When the system is online (there is an Internet or Bluetooth connection) press and hold the START ENGINE button on the control panel until the scale is fully loaded. In a few seconds the engine will be started, it will be confirmed with the spinning pictogram.
  If you send an engine start extension command (press and hold the + **10 min** pictogram) during remote or automatic engine start, the engine running time will be extended by 10 minutes. This procedure can be repeated multiple times.
- To stop the engine remotely, press and hold the button .

Engine preheater

Use one of the methods described below for remote start of the engine preheater.

Remote control

To turn the pre-heater on or off, press button and hold it for 1 second.

Phone

For remote control of the engine preheater, call the system number, wait for the answer and dial the command:

- ①⑤⑥⑧ - to start the engine preheater. The system will confirm command by a voice message "Switch on engine preheater";
- ⑥⑤①⑧ - to stop the engine preheater. The system will confirm command by a voice message "Switch off engine preheater".

  If the control of the preheater operation function is implemented, a voice message "Engine preheater switched on" will play in the main voice menu for the entire duration of the preheater operation.

Online service PANDORA-ON.COM

For remote control of the engine preheater, login to the PANDORA-ON.COM, when the system is online (there is an Internet connection) press the button on the control panel.

Mobile application Pandora Online

Open the mobile application. When the system is online (there is an Internet or Bluetooth connection), press and hold the button on the control panel until the scale is fully loaded. If the control of the

preheater operation function is implemented, the icon will be displayed for the entire duration of the preheater operation.

! To change buttons layout or add new buttons on the control panel, go to "Settings" -> "Control buttons" menu of the application.

Automatic operation of the preheater

The mobile app settings allow to turn on and off the preheater before remote and automatic engine start (except remote start by voltage).

! The preheater switching on and off by temperature is only possible when the engine temperature sensor is connected. Special settings of the system can use engine preheater as additional heater for the engine and interior when outside temperature is low (less +5C). The configuration should be made by a qualified technician, the engine temperature sensor must be connected.

Service mode

It is recommended to put the system into the Service mode before handing it to a service station or valet parking. When this mode is switched on, security system stops interfering with built-in electronics and disables all functions to ease maintenance.

- **To activate Service mode, disarm the system, turn on the ignition, an authorization device (radio tag, remotes, watches, band) must be in the Bluetooth coverage zone, enter the «Immobiliser PIN-code» (if the «Code immobiliser» function is used) and use one of the methods described below.**
- **To deactivate Service mode, use one of the methods below without any additional conditions (ignition, authorization devices, system modes).**

Remote control

- To activate/deactivate Service mode, press the button and hold it for 3 seconds.

Radio tag

To activate/deactivate Service mode, press and hold the button on a radio tag for 3 seconds (until the third flash of the **SEND** LED), release the button.

Phone

Call the system number, wait for the answer:

- to activate Service mode, dial the ⑤⑤①* command and the "Secret PIN-code" from the Owner's personal card;
- to deactivate Service mode, dial the ⑤⑤②*.

Mobile application Pandora Online

To activate/deactivate Service mode, open the mobile application. When the system is online (there is an Internet or Bluetooth connection), press and hold the button on the control panel until the scale is fully loaded.

! To change buttons layout or add new buttons on the control panel, go to "Settings" -> "Control buttons" menu of the application.

Code immobiliser

- To activate Service mode, enter the "Immobiliser PIN-code" and press the Code immobiliser button 10 times within 20 seconds.
- To deactivate Service mode, turn on the ignition and enter the "Immobiliser PIN-code".

Automatic mode

The system can automatically deactivate Service mode when vehicle starts driving (speed increases) and the owner authorization device (radio tag, Bluetooth remote control, watches or mobile device) is in the radio coverage zone.

! This function does not require additional configurations. See detailed information about "Speed" function on loader.pandorainfo.com.

Service mode indication

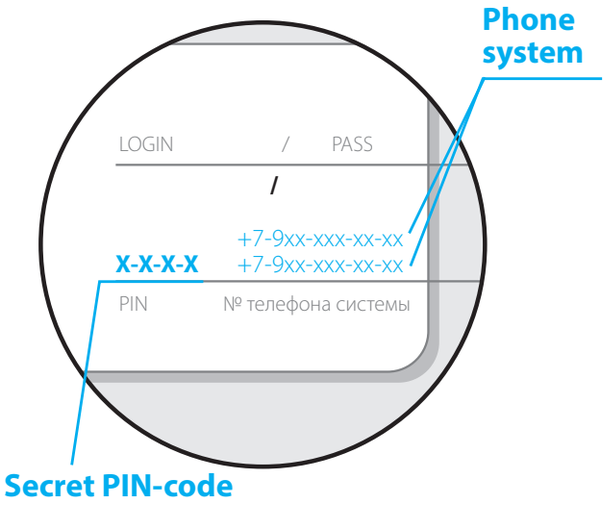
- Activated Service mode is indicated by: icon on the remote control display, an icon in the mobile application, constant green glow of the LED indicator when the ignition is on, long sound notification with indicator "Beeper" at the moment the mode is switched on.
- Deactivated Service mode is indicated by: disappearance of indication on the remote control display, disappearance of indication in the mobile application, the green LED indicator goes out when the ignition is on, two long sound notification with indicator "Beeper" at the moment the mode is switched off.

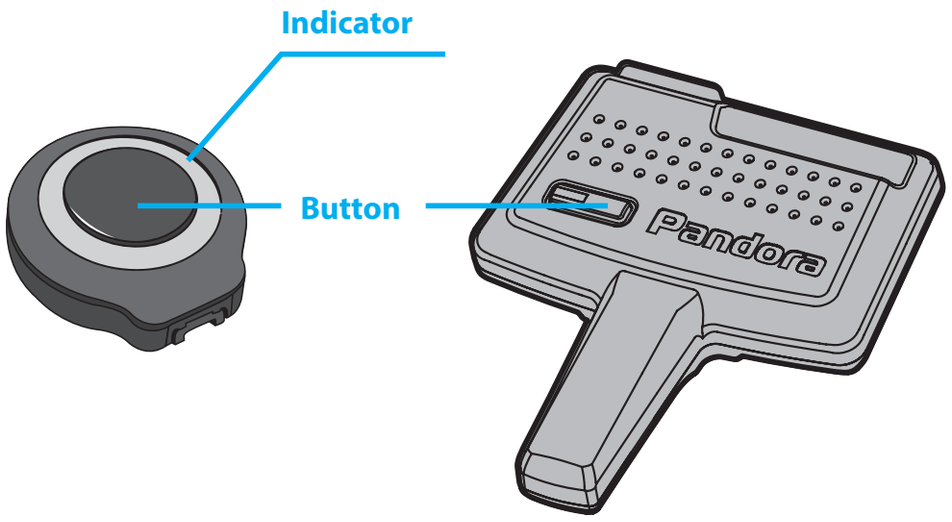
CONTROL OVER THE SYSTEM IN CASE OF EMERGENCY

! Before using emergency system control, check the system and vehicle control devices: check a battery, turn on a device in accordance with its manual (if required).
If all devices are working, try to make a primary vehicle diagnosis: check the vehicle original control device, vehicle battery charge level, gearbox selector position, check information on the dashboard.

The system has emergency ways to deactivate security and Anti-Hi-Jack functions (using the VALET button and the «Secret PIN-code») in case of loss or failure of control devices or in case of discharge of a battery (when you cannot replace it or charge). The system can be deactivated by telephone or by pressing a button. Emergency deactivation by telephone requires the 'secret PIN code' and the phone number of the system. Emergency deactivation by button requires the 'secret PIN code' and access to the external control button or antenna module.

- «Secret PIN-code» and phone number are located on the Owner's personal card
- The external Valet button and the external antenna are located inside the car, see section "System modules layout".





! If you do not have the necessary information, it is recommended that you contact the place where the system was installed or the nearest service centre; a list of service centres is available at https://pandorainfo.com website.

Emergency disarming by phone.

- Call the system number and wait for an answer. If the call is made from the «Additional number», or a number not saved in the memory of the base unit, then after the sound signal, you will need to enter the «Guest PIN code» (factory settings is 1-2-3-4).
- Enter the corresponding command number:
  0* – Disarming
  998*xxxx – Deactivate authorization devices, where XXXX is the «Secret PIN- code».
- End the call.

! To return the system to standard mode: call the system phone number, wait for an answer, enter the command 888 and «asterisk», end the call. For a complete list of commands, see the section «CONTROL OVER THE SYSTEM BY PHONE».

Emergency disarming with button

- Open the car with the standard key, ignoring the sound and light signals.

! If there are no siren sounds or LED flashes, check the battery. It is not possible to enter the "Secret PIN-code", if there is no power supply.

- Turn on the car's ignition and enter the «secret PIN code» within 10 seconds.
- Without pausing, press the external button or the antenna module button, the number of presses must correspond to the first digit of the code. Proceed to entering the second digit after a long sound signal from the Beeper or a 3-second pause.
- Enter the second, third and fourth digits of the passcode in the same way.

- If the code is entered correctly, 4 Beeper sound signals will sound, the system will turn off the security mode and temporarily disables the anti-theft modes (immobiliser, anti-robbery, code immobiliser) until the ignition is turned off.

After entering the code, without turning off the ignition, start the vehicle and start driving. The procedure must be repeated each time until the system authorization devices (radio tag, Bluetooth remote control, smartphone) are restored to working order.

- If the code is entered incorrectly, a long beep will sound from the Beeper. Turn off the ignition, pause for more than 5 seconds, turn on the ignition and immediately start entering the code.

WARRANTY OBLIGATIONS

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 scheme and user manuals.

The system is meant to be installed by the professional car electronics installers. The installer should 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. List of certified service centers can be found on pandorainfo.com

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 of the external parts of the system after it is sold.

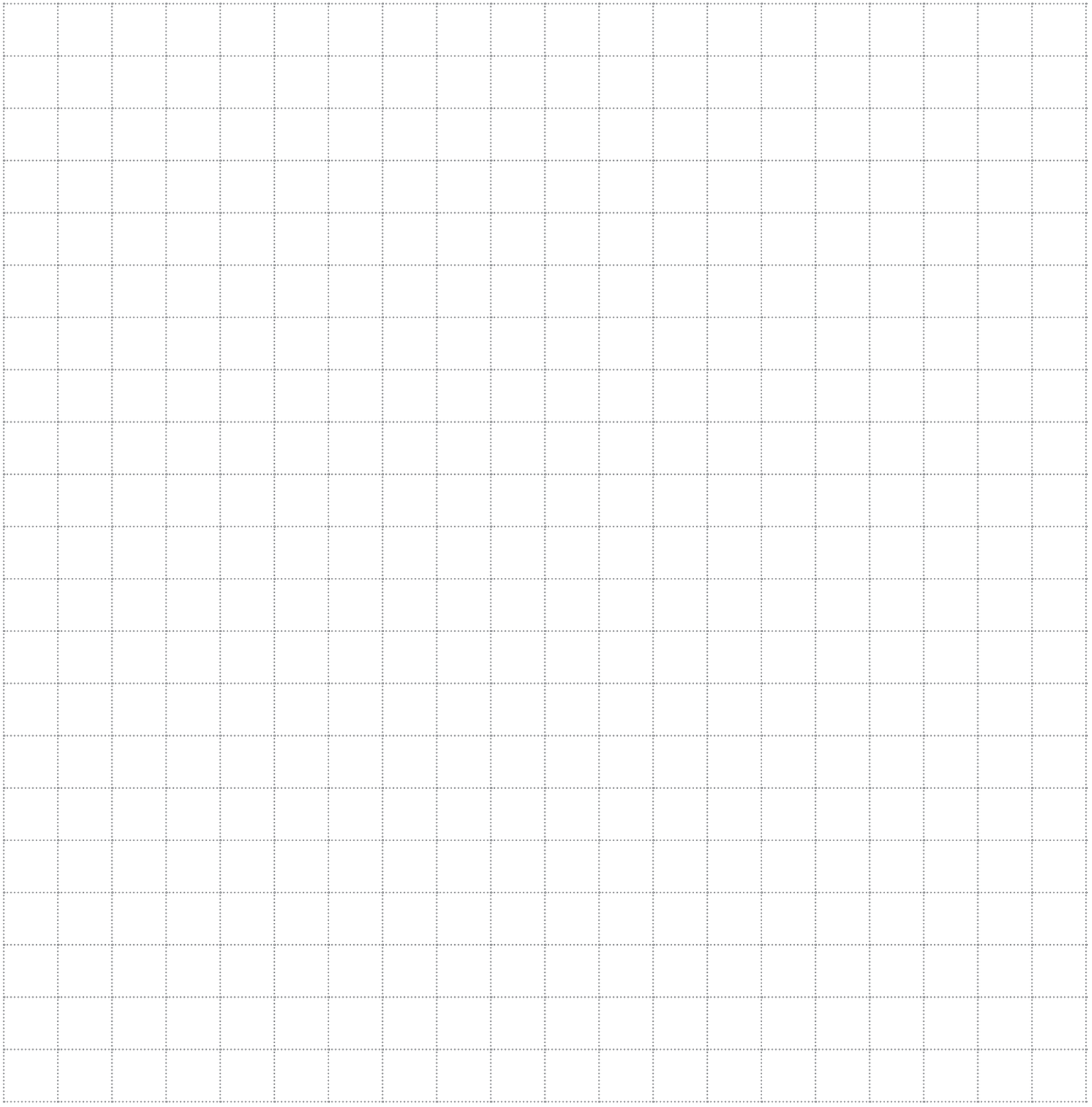
This includes: fire damage, consequential damage in case of car accident, aggressive liquids and water seeping damage, damage caused by improper use;

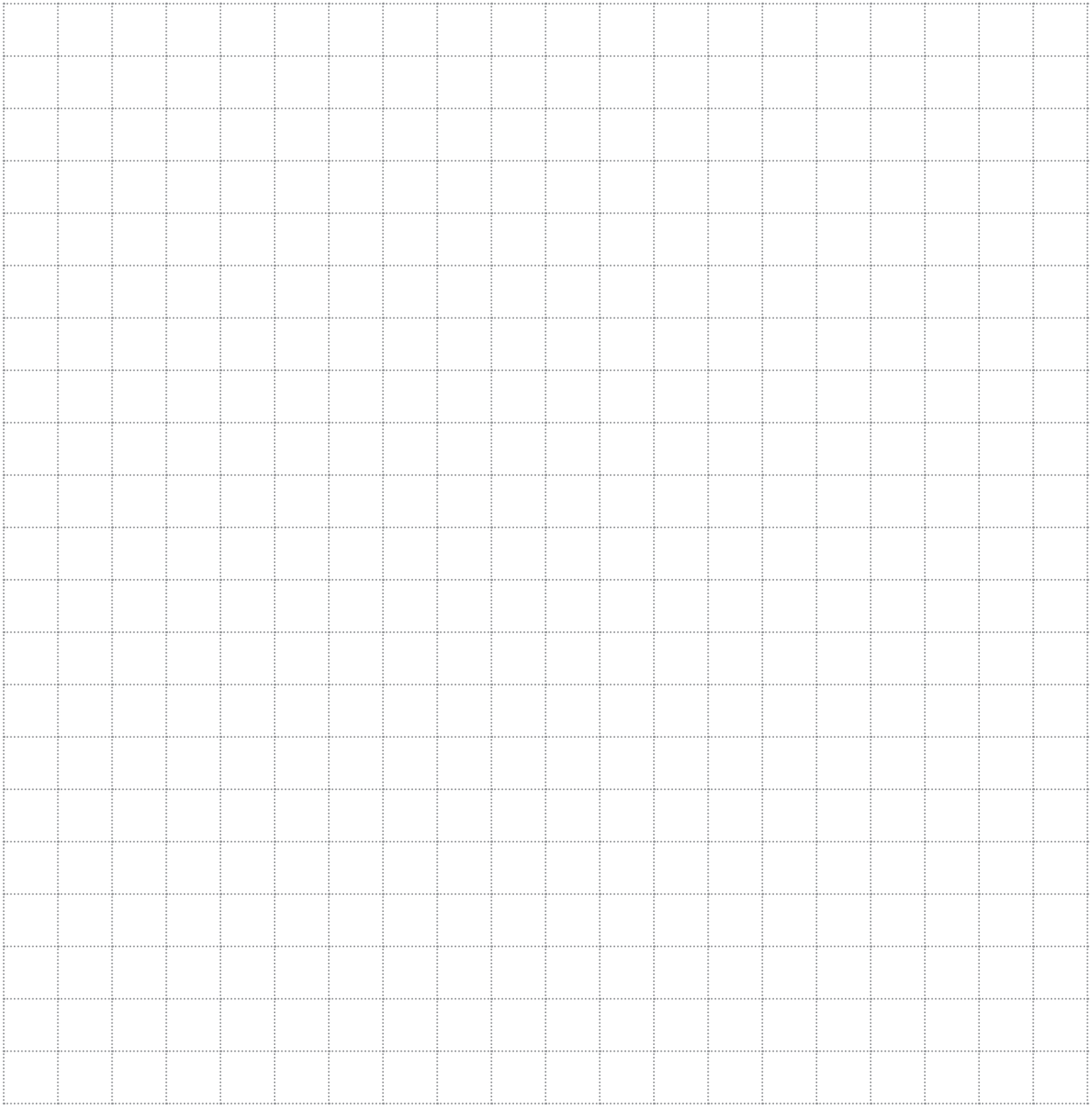
- if the damage was caused with incorrect settings and parameter adjustment;
- if system devices are replaced with any devices that are not recommended by the manufacturer;
- if manufacturer sealing is broken;
- if there is no properly filled warranty card and installation certificate.

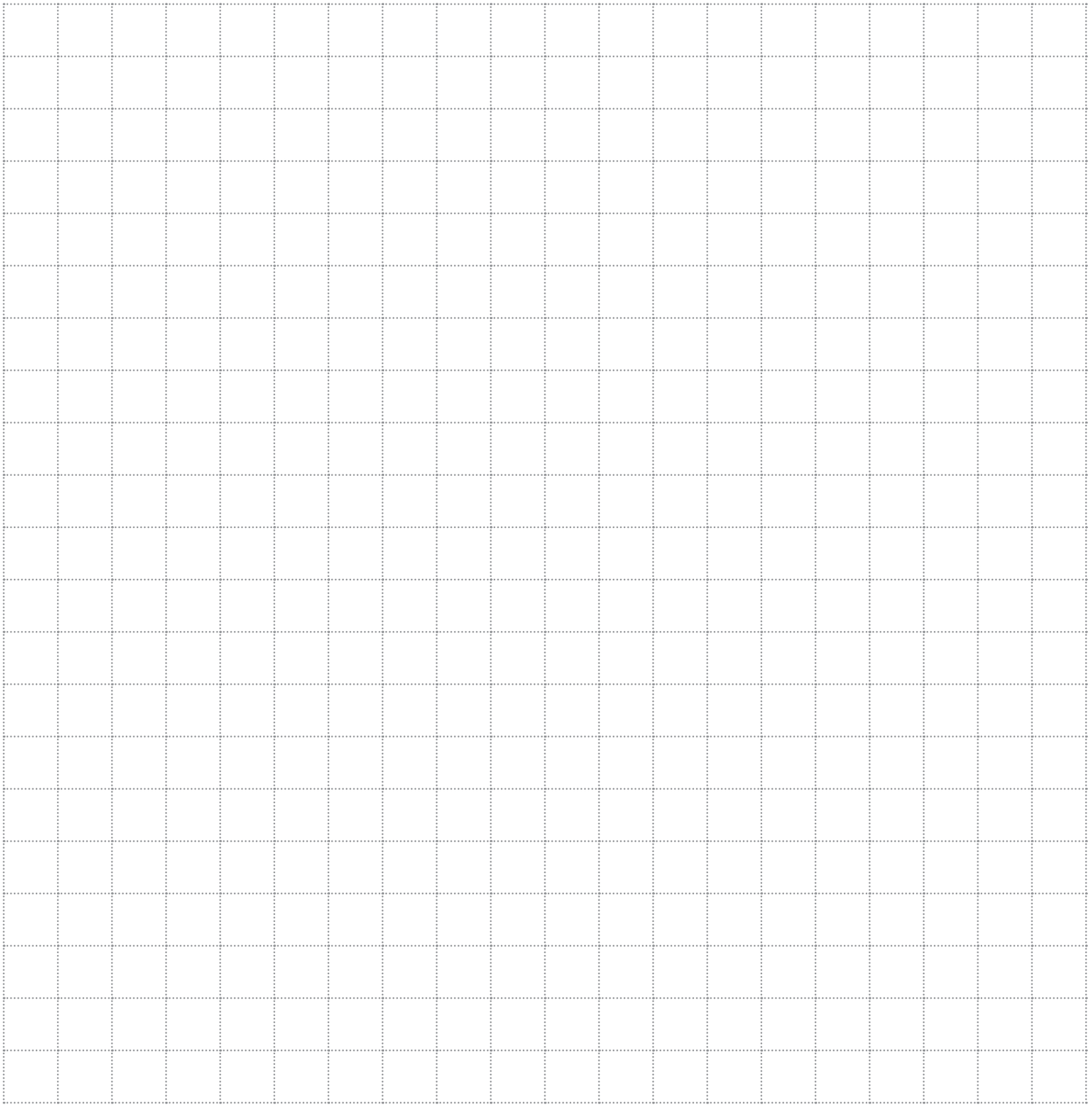
Warranty period is 3 years since the moment of purchase, but no more than 3.5 (three and a half) years since the moment of production. This warranty does not include batteries of the remotes, as they have their own service lifetime.

Maintenances and repairs of the system with expired warranty period are carried out at the expense of the user on a separate contract between the user and the installer/service center.

! We recommend that you ask an installer to fill out the installation certificate and the warranty card. These documents may be required for contacting the customer support.







INSTALLATION CERTIFICATE

I, the undersigned_____
Position, name.
_____
professional installer, certify that installation of the service-security system, specified below, was carried out by me in accordance with manuals and schemes provided by the manufacturer.

Car specifications:

Car model_____ Type _____

Id number (VIN)_____

Registration number_____

Security system specification:

Pandora Elite v3

Serial number_____

Service center name, full address and installer's stamp
_____
_____

Signature_____/_____/
Signator
Work accepted_____/_____/
Signator
Date «____»_____20___year.

ACCEPTANCE CERTIFICATE

Pandora Elite v3 is in conformity with Electromagnetic Compatibility Directive EMC 2004/108/EC and R&TTE Directive 1999/5/EC.

Serial number _____ Date of production_____

Responsible person's signature (stamp)

Packager_____

Signature (personal stamp)

WARRANTY CARD

Pandora Elite v3

Serial number _____

Date of purchase «____» _____ **20____year**

_____

Seller's (installer's) stamp

Seller's signature _____