Pandora Elite US 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.

When building the Pandora Elite v2 we were using the most up-to-date electronics from world's best manufacturers. The device 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 Pandora Elite v2 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 is strongly advised to have professional car mechanic installing the system. Any car electronics installer should be able to install the system using installation scheme in this manual and the Alarm Studio software. Most features are highly dependent on competent installation. Our systems are thoroughly tested for quality, so if a feature fails to produce expected result, most likely the problem is in improper installation.

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: PandoraCarAlarms.com
Customer support:
support@PandoraCarAlarms.com

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

CE EAC

Table of contents

System set

! 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 DEPENDS ON THE TYPE OF CONNECTION AND SYSTEM SETTINGS, ORIGINAL VEHICLE OPERATION LOGIC AND TRIM.

! THE SYSTEM SET INCLUDES THE "OWNER'S PERSONAL CARD". THIS CARD CONTAINS INFORMATION UNDER A PROTECTIVE LAYER THAT IS INTENDED ONLY FOR THE OWNER OF THE SYSTEM. MAKE SURE THAT THE PROTECTIVE LAYER ON THE OWNER'S PLASTIC CARD IS INTACT AFTER THE INSTALLATION OF THE SYSTEM. READ THE "OWNER'S PERSONAL CARD" SECTION OF THIS MANUAL BEFORE ERASING THE PROTECTIVE LAYER.

! 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 "Immobilizer PIN-code"
(is used for the Validator (pin-to-drive) function)

| CANNOT BE CHANGED |
| --- |

☐ – ☐ – ☐ – ☐

☐ – ☐ – ☐ – ☐

☐ – ☐ – ☐ – ☐

! 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

! ERASE THE PROTECTIVE LAYER CAREFULLY. DO NOT USE ANY SHARP OBJECTS TO AVOID DAMAGING OF HIDDEN INFORMATION UNDER THE PROTECTIVE LAYER.

The owner's personal card contains private information under a protective layer:
- **PIN** (the "Secret PIN-code") is a 4-digit number. This code can be used to disarm the system and to deactivate immobilizer 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** is a phone number of the built-in SIM-chip.

LOGIN / PASS
1070000000 / Y34aC4vJ

2-2-2-2 +7-9xx-xxx-xx-xx
PIN PHONE NUMBER
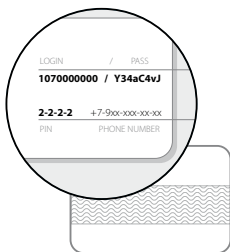
External VALET button

An external VALET button with a three-color status LED indicator is placed inside a vehicle (see the system modules layout).
The button is used for programing the system, arming/disarming, activating/deactivating immobilizer mode.

LED
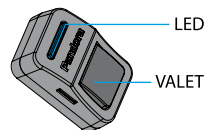
VALET

System modules layout

(1) External VALET button
(VALET button via CAN)

(2) Button for the immobilizer
PIN

(3) Circuit being blocked

(4) Base unit

(5) Beeper

(6)

(7)
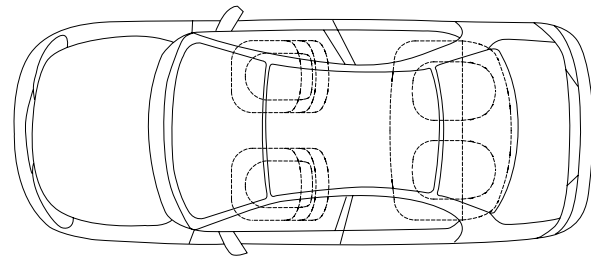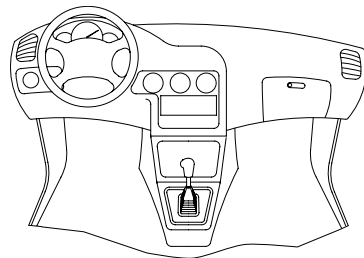
Base unit

Built-in GSM modem (2G/3G/4G LTE) provides a connection with our online-service pandora-on.com and mobile applications (Pandora Online/Pandora Pro), allows to control the system by a phone using DTMF-commands, voice and SMS notifications, automatic date and time detection. The modem operates in a mobile network using the built-in SIM-chip or/and a nano-SIM.

Built-in SIM-chip is and integrated SIM-card chip that it used to work with the built-in GSM modem. The built-in SIM-chip has a tariff plan for Russia (phone number is written on the "Owner's personal card").

Built-in slot for a nano-SIM is used for owner's SIM-card (nano-SIM). If both the SIM-chip and SIM-card are used in the system, there is a function that allows to automatically switch between the SIM-chip and the SIM-card if there is no internet connection.

! It is required to install an additional SIM-card in the nano-SIM slot for the automatic mode.

Built-in GPS/GLONASS-receiver is designed to determine current location and to automatically determine UTS date and time.

 Bluetooth 5.0 protocol (BT5.0) - supports up to 14 additional Bluetooth devices (see the "Additional devices" section), 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.

Temperature sensors allow the system to measure temperature of different zones to send this information to the remote control or mobile apps. The following zones are available: interior temperature – built in sensor of the main unit, engine temperature – external temperature sensor (see the "System set"), outside temperature – digital car protocol*

The system setting allow you to reassign sensor to different zones and use information from external additional devices (PS-331BT, RHM-03 BT, DMS-100 BT); to implement automatic engine or engine pre-heater starts and stops by temperature.

Emergency power – the system has an input for an external back-up battery in order to notify an owner in case of power disconnection in armed mode. The battery will be charged automatically when engine is running.

Built-in digital 3xCAN/2xLIN* interface allows the system to read status end exucute commands via digital buses, and work with Webasto Thermo Top Evo и Eberspacher Hydronic/2.

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

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

! *More information is available on loader.pandorainfo.com

Piezo siren PS-332 BT is a wireless device for sound indication:
 Control connection with the base unit
Sound pressure 118 dB | 2.4GHz (BLE 4.2) Radio interface

Information signals of the system

LED INDICATOR SIGNALS	
SIGNALS	DESCRIPTION
THE SYSTEM IS ARMED	
Short red flashes	System is armed
Short green flashes	System is armed (an authorization device is in the coverage zone)
Fast red flashes	Alarm
THE SYSTEM IS DISARMED	
Faded	System is disarmed
Red	System is preparing for automatic or delayed arming
Green (when ignition is on)	System is in service mode
Green flashes (when switching on the ignition)	Confirms the number of paired radio tags
Red flash (when switching on the ignition)	Confirms a paired mobile device
WHEN ENTERING THE "SECRET PIN-CODE" OR THE "SERVICE PIN-CODE"	
Orange flash	Confirms a VALET button press
Short red 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 ◁)/1x ⚠	Warning level of a sensor is triggerd
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 "Immobilizer PIN-code"
3 sound signals/3 times	A battery in a radio tag is discharged
4 sound signals/4 times	Absence of a 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. he alarm signals can be
* canceled 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 immobilizer 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.

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 via CAN, 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)

!*Outside temperature is available by an additional device (see the "Additional devices" section) or by CAN-bus data (see loader.pandorainfo.com).

Remote and automatic engine starts

The system allows for 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 (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 NETURAL 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 a remote control or 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 a temperature sensor is connected. Remote and automatic engine starts are not available if the trunk is open.

Slave mode

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

Slave mode can be implemented using analog connections or a digital protocol of a vehicle.

! This mode is disabled by default for a digital protocol. More information on loader.pandorainfo.com. 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 a tag is in the coverage zone or using the "Secret PIN-code".

Owner authorization devices and functions

Authorization devices

Authorization devices are Bluetooth devices paired with the system (radio tags, remote control D030, 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 immobilizer or Anti-Hi-Jack functions.

! 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. It is required to make additional settings using the mobile application or Pandora Alarm Studio to use this mode. Quick access commands to manage Hands Free mode: 223* - Activate Hands Free arming, 224* - Activate Hands Free disarming, 222* - Deactivate all Hands Free modes.

Immobilizer 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 radiocoverage 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. It is required to make additional connections for this mode.

ANTI-HI-JACK-1/2 modes

The Anti-Hi-Jack modes help to prevent aggressive seizure of a vehicle when authorization 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. This mode can be set only by a professional specialist

• Multi-button code immobilizer (pin-to-drive) is a function that allows disarming, disabling blocking and controlling service mode and time channels using original vehicle controls (button, lever or pedal) and a pre-programmed PIN-code (the "Immobilizer PIN-code").

AN EXAMPLE OF USING THE FUNCTION
• Turn on the ignition to disable engine blocking or enable service mode, turning on the ignition is not required if you want to disarm the system or control time channels.
• Enter the "Immobilizer PIN-code". Press a 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 immobilizer code can consist max of 4 digits from 1 to 9.
• The system will confirm the correct input by a sound signal of the beeper and a programmed
• function will be performed.

❗ This mode is disabled by default. This mode can be set only by a professional specialist.

Checking the number of paired devices
The number of paired radio tags/mobile device can be checked by the number of flashes of the LED indicator. The number of tags/mobile device can be checked when switching on the ignition (the system must be disarmed). The number of green flashes will indicate the number of paired radio tags, a following red flash will indicate a paired mobile device.
You can also check the number of paired radio tags/mobile device by taking off and putting back on battery terminal. The system will emit short sound signals from a siren :
• First series of the siren signals – indicates the number of paired radio tags;
• The second long signal after a pause of 2 seconds indicates a paired mobile devices.

IMMOBILIZER RADIO TAG

A radio tag is a device used to control a vehicle/system. The tag is also used as an authorization device for "Immobilizer/Anti-Hi-Jack/Hands Free" modes. It works in the Bluetooth coverage zone. The radio tag has:
- a control button 👆 for arming/disarming and activating/deactivating service mode;
- a built-in accelerometer allows the tag to go into energy saving mode when there is no movement;
- an LED indicator SEND.

- Control button 👆 for arming/disarming and activating/deactivating service mode
- LED indicator **SEND**
- Bluetooth protocol 🔵
- Built-in accelerometer
- CR 2032 Battery

Light indication of the SEND indicator when there is a short press of the button
- No flashes – a battery is discharged
- 1 flash – radio tag operation is correct

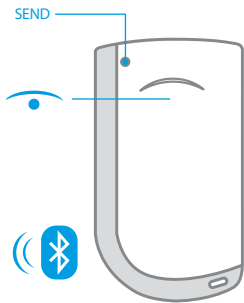**Light indication of the SEND indicator when installing a battery**
- No flashes – a battery is discharged
- 1 flash – low battery level
- flashes – high battery level

❗ AVOID MOISTURE ON THE RADIO TAG. DO NOT PLACE THE RADIO TAG NEAR MAGNETS OR PRODUCTS WITH SELF-MAGNETIC FIELDS

SEND

Functions of the button

ACTION	FUNCTION
Short press when ignition is off	Arm/disarm
Press and hold for 2 sec when the system is disarmed	Change the "Main owner's phone number"
Press and hold for 3 sec when ignition is on	Activate/deactivate Service mode
Press and hold for 6 sec.	Pair a tag with the base unit
Press and hold for 10 sec.	Firmware update

Replacing an immobilizer tag battery

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 non-volatile 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.

Updating firmware of the tag

- Download the Pandora BT application (for Android or iOS devices equipped with a Bluetooth 4.0 Low Energy or higher module).
- Open the mobile app Pandora BT.
- Press and hold the button 👆 of the radio tag until the 10th flash of the «SEND» indicator, then release the button.
- Select the found device and select one of the update option: FILE MANAGER – firmware will be uploaded from the phone storage (only for Android). INTERNET – firmware will be uploaded by an internet connection.

CONTROL THE SYSTEM BY A 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

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

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

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 "Immobilizer PIN-code" (if the "Code immobilizer" 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 3 WAYS TO CHANGE MAIN OWNER'S PHONE NUMBER:
1. VIA A PHONE, USING DTMF COMMANDS SETTINGS MODE.
2. USING RADIO TAGS: TURN ON THE IGNITION WHEN THE SYSTEM IS DISARMED AND 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, THEN PRESS AND HOLD THE BUTTON ON THE RADIO TAG FOR 2 SECONDS (UNTIL THE SECOND FLASH OF THE SEND INDICATOR). RELEASE THE BUTTON, THE SYSTEM WILL RECOGNIZE THE INCOMING PHONE NUMBER AS THE "MAIN OWNER'S PHONE NUMBER.
3. USING THE PANDORA ALARM STUDIO OR PANDORA BT APPLICATIONS.

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 * **Immobilizer settings**	
1 *	Immobilizer (on/off)
2 *	Antihijack

5 * **Additional settings**	
1 *	Changing guest PIN-code
2 *	Entering as guest
3 *	Remote blocking
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 function of the system allows you to control your vehicle using the online service pandora-on.com or mobile apps – Pandora Pro (for iOS), Pandora Online (for Android).

The Pandora Pro and Pandora Online applications can work via a Bluetooth channel when there is no connection to the server. To get these functions, 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 required 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").

Registration

Visit the website or open the mobile app to create an account.
Web-service:
https://pandora-on.com.
Mobile apps:
Pandora Pro for iOS is available in the AppStore;
Pandora Online for Android is available on the Play Market (Google Play).

! MINIMUM REQUIREMENTS: ANDRIOD V4.4; IOS V10

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.

pandora-on.com

e-mail — LOGIN

******** — PASS

e-mail
LOGIN

****
PASS

Download on the **App Store**

GET IT ON **Google Play**

Login

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

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 car and click "Add".

! Erase the protective layer carefully. Do not use any sharp objects to avoid damaging of hidden information under the protective layer.

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

! Number of events in the history is limited. Events are stored for at least one month.

Control via Bluetooth

The Pandora Pro and Pandora Online applications can work via a Bluetooth channel when there is no connection to the server. This type of connection allows you to control the system, receive status information and use your mobile phone as an authorization device.

To get access to these functions, pair a mobile device in the system:

I. ENTER THE PROGRAMMING MODE

Use the VALET button to enter the "Service PIN-code" (default value is 1-1-1-1). See the detailed instruction of code entering in the "Control the system in case of emergency" section.

II. ENTER THE "PAIRING A MOBILE PHONE" PROGRAMMING LEVEL

After entering programming mode, press and hold the VALET button for 5 seconds (until the fifth signal of the Siren/Beeper"). The system will enter the "Pairing a mobile phone" programming level. The LED indicator will light green, the system is ready for pairing.

! The previously paired device will be erased from the system memory after entering the level.

III. PAIR A MOBILE PHONE

Turn on Bluetooth on your mobile phone and open the mobile application. Go to : Settings -> Bluetooth

control -> Bluetooth device/ Not specified (Android)» -> + (iOS)/ Add (Android». Select the found system in the search window, the system and the mobile device will be automatically paired. The system will confirm pairing with the series of green and red flashes of the LED and a sound signal of the siren.

! If there is no automatic pairing, enable the "PIN request for phone pairing" item in the "Radio tag and mobile device functions" sett ings and make the pairing procedure again. A mobile device will request a PIN-code (Factory pre-set is 0-0-1-1-1-1 where 4 last digits are the "Service PIN-code".

IV. EXIT PROGRAMMING MODE

Turn on the ignition and then turn off to exit programming mode.

! The system supports only one mobile device.

CONTROL 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 1 short sound signal 1x 🔊 and 1 flash of light signalization 1x △.

doors locking   1x 🔊 /1x △

SLAVE
HANDS FREE
MOBILE APP
①＊

system arming

🔇/1x △
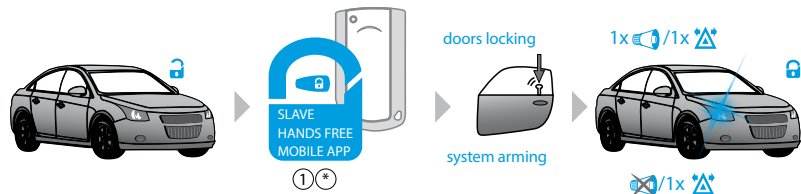
▢ Remote control
Shortly press the [🔒] , button on the remote control when you are in the radio coverage zone. The remote control will play "ARMING" ringtone and security mode status icon (the lock) will be changed to 🔒 .
   To arm the system without a sound notification press and hold the [🔒] button for more than 1 seconds.

▢ 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 or use a sensor/button on a 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 PRO.P-ON.RU
Login to the PANDORA-ON.COM, when the system is online (there is an Internet connection) press the 🔒 button on the control panel.

▢ Mobile applications Pandora Online and Pandora Pro
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 SETTING "SWITCH OFF SENSORS WHEN ARMING USING VALET BUTT ON" IS AVAILABLE IN THE ALARM STUDIO ("MAIN SETTINGS" -> "SENSORS SETTINGS").

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 △.

doors unlocking   2x 🔊 /2x △

SLAVE
HANDS FREE
MOBILE APP
⓪＊

system disarming

🔇/2x △
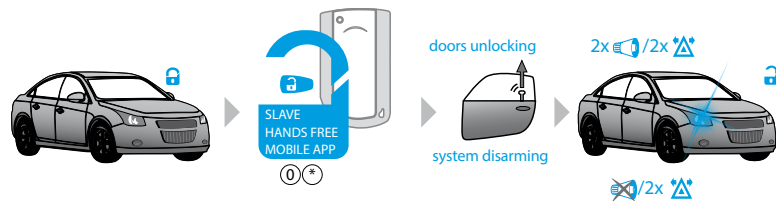
Remote control

Press and hold the 🔓, button on the remote control when you are in the radio coverage zone. The remote control will play "DISARMING" ringtone and security mode status icon (the lock) will be changed to 🔓.

To disarm the system without sound confirmation press and hold the 🔒 button for 1 second or more.

Radio tag

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 or use a sensor/button on a 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✳ command.

Online service

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

Mobile applications Pandora Online and Pandora Pro

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 toward the vehicle with an authorization device 🏃.

VALET button

Enter the "Secret PIN-code" (see the "Emergency disarming using the VALET button" section).

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

Press the 🔒 button to lock doors or the 🔓 button to unlock doors when you are in the radio coverage zone.

Mobile applications Pandora Online and Pandora Pro

Open the mobile application. When the system is online (you are in the radio coverage area), 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 at the car movement or on switching on the ignition. When using doors locking mode on car movement start, the system will detect car moving and perform doors locking (it depends on speed status in a digital CAN-bus or motion sensor sensitivity settings). When using doors locking mode on switching on the ignition, the doors will be locked automatically 5 seconds after the ignition was switched on. If any door was opened after the ignition had been switched on, automatic locking will be disabled to prevent locking the keys inside the car. Doors can be automatically unlocked when the ignition is switched off.

! THESE MODES ARE DISABLED BY DEFAULT, USE THE PANDORA ALARM STUDIO TO ENABLE THESE SETTINGS.

Car search function

To easily find your vehicle on a massive parking, shortly press the 🔒, button when the car is armed. The system will sound the siren **5x** 📢 and flash turn signals **5x** △. To use this function without sound signals press and hold the button for 1 second 🔒 .

PANIC mode

If your car or you are in danger and you want to draw attention to your car, you can use PANIC mode. In this mode the siren will sound 🔊 and turn signals ⚠ will flash repeatedly for 30 seconds. To activate this mode, use one of the methods described below.
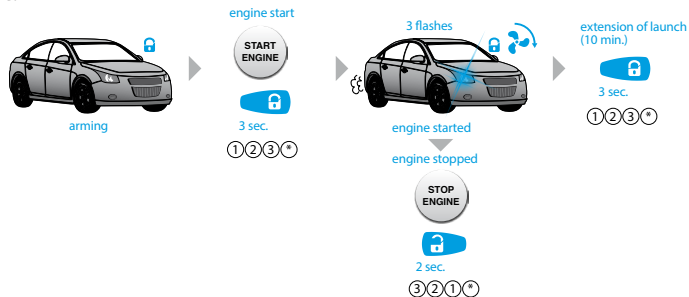
▢ Remote control
To activate the PANIC mode, press the 🔒 and 🔓 buttons simultaneously. To switch it off, press either 🔒 or 🔓 button.

▢ Mobile applications Pandora Online and Pandora Pro
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.

Remote engine start

If the system is prepared for remote start, use one of the methods described below to start the engine.

▢ Remote Control
• To start the engine, press and hold the 🔒 button for 3 seconds (the remote control must be in the radio coverage zone). Sound signal will confirm the command, LCD will show flashing the "engine is

running" icon 💨 signifying preparation to the engine start. In a few seconds the engine will be started, the remote will play the "ENGINE START" ringtone and show spinning engine operation icon 💨.

The remote will give notification 1 minute before designated engine stop the 💨 icon will flash and the "ENGINE STOP IN 1 MINUTE" ringtone will play every 10 seconds. Sending the "REMOTE ENGINE START" command (press and hold the 🔒 button for 3 seconds) while the "ENGINE STOP IN 1 MINUTE" ringtone is playing will extend its operation period by 10 minutes. This procedure can be repeated multiple times.

• To stop the engine, press and hold the 🔓 button for 2 seconds or more (the remote control must be in the radio coverage zone. The engine will be immediately stopped and it will be confirmed by remote playing the "ENGINE STOP" ringtone and the "Engine is running" icon 💨 .

▢ Original key
The system reads digital information from a car, this allows you to start and stop the engine by an original key:
• To start the engine, press the "LOCK" button 3 times within 5 seconds (the key must be in the radio coverage zone)
• To stop the engine, press the "LOCK" button 3 times within 5 seconds (the key must be in the radio coverage zone).

! Remote engine start by an original key doesn't required 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 ①②③⁕ command. If you repeat the ①②③⁕ command 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 ③②①⁕ command.

▢ Online service
• 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 ✿ icon.
• To stop the engine, press the STOP ENGINE button on the control panel. In a few seconds the engine will be stopped and the spinning ✿ icon will be faded.

Mobile applications Pandora Online and Pandora Pro

• 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 ✿ icon.

• To stop the engine, press and hold the STOP ENGINE button on the control panel until the scale is fully loaded. In a few seconds the engine will be stopped and the spinning ✿ icon will be faded.

Service mode

It is recommended to put the system into the service mode before handing it to a 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.

To switch on this mode, disarm the system, turn on the ignition, an authorization device (a radio tag, a remote control, a mobile phone) must be in the coverage zone, enter the "Immobilizer PIN-code" (if the "Code immobilizer" function is used) and use one of the method described below:

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 LED), release the button.

Phone

Call the system number wait for the answer.

• To activate service mode, dial the ⑤⑤①✱ DTMF command and then dial the "Secret PIN-code" from the Owner's personal card.

• To deactivate service mode dial the ⑤⑤②✱ DTMF command.

Mobile applications Pandora Online and Pandora Pro

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".

Immobilizer buttons

• To activate service mode, enter the "Immobilizer PIN-code" and press the immobilizer button 10 times within 20 seconds.

• To deactivate service mode, turn on the ignition and enter the "Immobilizer PIN-code".

Service mode indication

• Activated Service mode is indicated by: an icon 🛠 in the mobile application, constant green LED when the ignition is on, long sound signal of a Beeper at the moment you activate the mode.

• Deactivated Service mode is indicated by: no "Service mode" icon 🛠 in the mobile application in the mobile application, no constant green LED when the ignition is on, two long sound signal of a Beeper at the moment you deactivate the mode.

CONTROL OF THE SYSTEM IN CASE OF EMERGENCY

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).

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 can be controlled from a phone using DTMF commands
0* – Disarming.
998*xxxx – Deactivate authorization devices (Immobilizer and Anti-Hijack functions), where xxxx is the "Secret PIN-code" written on the Owner's personal card under the protective layer.
1*– Arming.
888* – Activate authorization devices (Immobilizer and Anti-Hijack functions).

! Read the procedure for entering the PIN-code before using emergency functions.

ENTERING THE PIN-CODE

The code must be entered only when the base unit is powered and the ignition is off. The PIN-code can be entered using the external or located on the base unit VALET button. The digits input and correct input is indicated by the external or located on the base unit LED indicator.

- **Enter the first digit •** Press the button the number of times equal to the first digit. Pauses between presses should not exceed 1 second. Each pressing will be confirmed with an orange LED indicator flash. Pause for more than 1 second, a red LED indicator flash and a short sound single of the Beeper confirm the input of the first digit. Then you can enter the next digit.
- **Enter the second digit •** Press the button the number of times equal to the second digit. Pauses between presses should not exceed 1 second. Each pressing will be confirmed with an orange LED indicator flash. Pause for more than 1 second, a red LED indicator flash and a short sound single of the Beeper confirm the input of the second digit. Then you can enter the next digit.
- **Enter the third digit •** Press the button the number of times equal to the third digit. Pauses between presses should not exceed 1 second. Each pressing will be confirmed with an orange LED indicator flash. Pause for more than 1 second, a red LED indicator flash and a short sound single of the Beeper confirm the input of the third digit. Then you can enter the next digit.
- **Enter the fourth digit •** Press the button the number of times equal to the fourth digit. Pauses

between presses should not exceed 1 second. Each pressing will be confirmed with an orange LED indicator flash. The correct input will be confirmed with the series of green and red flashes of the LED indicator.

Emergency disarming

In case you cannot disarm the system as usual, use the VALET button and the 'Secret PIN-code' written on the Owner's personal card (see the "General information" section):
- If your car is locked, unlock it by an original key. Not paying attention to the siren signals, make sure that the ignition is off and enter the "Secret PIN-code" (see the procedure description above). 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.
- The system will be disarmed in case of correct PIN-code input. It will be confirmed with the series of green and red flashes of the LED indicator, the series of sound signals of the Beeper, 4 beeps of the Siren and 4 signals of the light signalization.
- The system will stay in previous state in case of incorrect input of the PIN-code. It will be indicated with a long red flash of the LED indicator. New input can be attempted after 5 seconds.
- Emergency disarming is equivalent to a normal method of disarming. No additional actions are required for further operation of the system.

Emergency control of the anti-theft functions

This section describes how to deactivate and activate anti-theft functions (Immobilizer and Anti-Hi-jack), which use a radio tag, a remote control or a mobile phone as an owner authorization device, and "Code immobilizer" function, which uses standard car controls (buttons, levers, pedals) to enter the Immobilizer PIN-code.

Emergency deactivation of anti-theft functions

To temporarily deactivate the Immobilizer or Code immobilizer function (pin-to-drive), turn on the ignition when the system is disarmed. Enter the "Secret code" from the owner's personal card using the VALE T butt on. The immobilizer functions will be being deactivated by the time the ignition is turned off.

Emergency activation/deactivation Immobilizer/Code Immobilizer functions

Emergency control of the anti-theft functions is possible only when the system is disarmed, the ignition is off, service mode is deactivated, a vehicle battery is charged.

Enter the "Secret PIN-code" or the "Service PIN-code" (default value is 1-1-1-1) to put the system in programming mode.

To manage Immobilizer and Anti-Hi-Jack functions - After entering programming mode, press the VALET button 13 times

To manage Immobilizer and Anti-Hi-Jack functions - After entering programming mode, press the VALET button 15 times.

Pauses between presses should not exceed 1 second. Each pressing will be confirmed with an orange LED indicator flash. The system will confirm entering the 13th level with the red flashes of the LED and short signals of the Siren/Beeper.

• **TO DEACTIVATE THE FUNCTION –** The LED indicator will be green after entering the programming level. The system will wait 10 seconds for entering the 'Secret PIN-code'. If the PIN-code is not entered within 10 seconds or the input is incorrect, the siren will sound one signal, the LED will produce the series of red and green flashes and the system will return to the programming menu. Enter the 'Secret PIN-code' that is written on the owner's plastic card. The system will confirm deactivating with two sound signals of the siren, a long red LED flash and two sound signals of the siren. Turn on the ignition and then turn off to exit programming mode. The function will be deactivated.

• **TO ACTIVATE THE FUNCTION** - The LED indicator will light red and the Beeper will sound a long beep after entering the programming level. The system will wait for action. Press the VALET button once activate the immobilizer function. The system will confirm enabling with one short sound signal of the Siren/Beeper and a green LED light. Turn on the ignition and then turn off to exit programming mode. The function will be activated.

ADDITIONAL DEVICES

Remote control D-030 is a two-way short-distance communication device designed to control a security system and receive information about its state. The remote control can be used as an owner authorization device.
CONTROL COMMANDS
Arming/Disarming | Trunk | Remote engine start | Engine pre-heater
STATUSES
Состояние системы и транспорта OWNER AUTHORIZATION Immobilizer | Anti-HiJack| Hands Free
OLED-DISPLAY | 2.4GHZ RADIO INTERFACE (BLE 4.2) | THREE CONTROL BUTTONS | SOUND INDICATOR | VIBRO INDICATOR | LED INDICATOR | BATTERY | MICRO-USB

Radio tag BT-760 – is a one-way short-distance communication device designed to control a security system. The tag can be used as an owner authorization device.
CONTROL COMMANDS
Arming/Disarming | Service mode
OWNER AUTHORIZATION
Immobilizer | Anti-Hi-Jack| Hands Free
2.4GHZ RADIO INTERFACE (BLE 4.2) | CONTROL BUTTON | LED INDICATOR | MOTION SENSOR | CR 2032 BATTERY

Blocking radio relay BTR-101 is a wireless device designed to perform blocking engine blocking based or not based on car movement.
2.4GHZ (BLE 4.2) RADIO INTERFACE | BUILT-IN BLOCKING RELAY (NC) | MOTION SENSOR

Door sensor DMS-1OO BT is a wireless device designed to monitor internal or external perimeter state: any security zone can be assigned to the Hall/shock/tilt sensor state; temperature monitoring. The sensor can be installed on a door, hatch, trunk, trail, garage door.

2.4GHz radio interface (BLE 4.2) | Hall sensor | Temperature sensor | Shock/tilt sensor | CR123A battery

Radio module RHM-03 BT – is a wireless device designed to control equipment of the engine compartment:
• Control of Hood lock, siren, engine blocking based or not based on car movement, digital control of engine pre-heaters Eberspacher and Webasto;
• Statuses of temperature, engine pre-heater, Trunk security zone.

2.4GHz radio interface (BLE 4.2) | Built-in relay (NC) | Motion sensors | Trunk switch input | External temperature sensor | Outputs: siren, hood lock | Engine pre-heaters (LIN)

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.
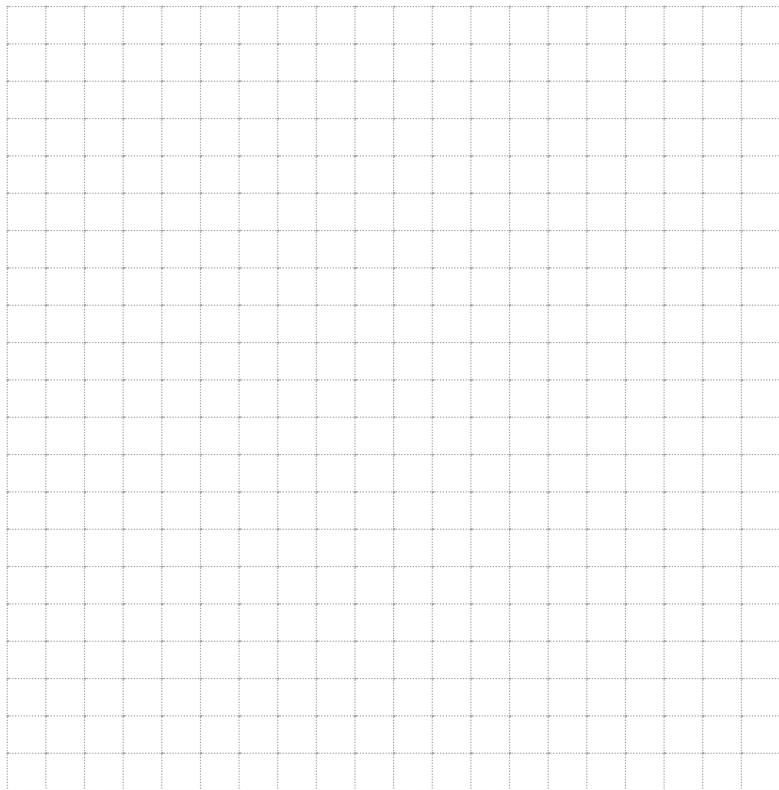
INSTALLATION CERTIFCATE

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:

Model Pandora Elite v2

Serial number_____

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

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

ACCEPTANCE CERTIFICATE

Model Pandora Pandora Elite v2 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

Model Pandora Pandora Elite v2

Serial number _____

Date of purchase «____» _____ 20____year

_____
Seller's (installer's) stamp

Seller's signature _____