Pandora would like to thank you for choosing our security system Pandora Camper

Pandora Camper – is a telemetric service-security system built for motorhomes with on-board voltage of 12V. It is a complex engineering solution, which includes unique and modern technological software and hardware solutions.

When developing the system, 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.

Pandora Camper has a cryptographically strong authorization code with unique dialog algorithm and individual 128 bit encryption key on every device. We guarantee 100% protection form electronic hacking for the whole operation period.

The system is built for your convenience: it's ergonomic, reliable and it 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.

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 the IP40 category of protection against water.

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

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Table of contents

1 General information

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 NOTIFICATION.

Read the following section before using the system

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

! THE 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 AN "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.

! The system has a GSM interface. Ask an installer who has installed the system to check the GSM functions operation using your phone:
• Dial 500* command to request coordinates (see the "Control the system from a phone" section).
• Trigger alarm when the system is armed. The system must call your phone number ("Main owner's phone number"). To quickly change the "Main owner's phone number", turn on the ignition when the system is disarmed and call the system phone number. Wait for the answer, 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".
• Check the "Guest PIN-code" (factory default value is 1-2-3-4). Call the system from an "Additional phone number" or from any other phone number unknown for the system.

! The system can work with a mobile application. It is required to create an account, add the system to your account, pair your mobile phone with the system. Ask an installer to help you to configure the mobile application.

! When system installation is finished:
• Check that the "Installation certificate" and "Warranty card" are filled out. These documents may be required for contacting the customer support.
• 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.
• 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 "Service PIN-code" (1-1-1-1). Ask an installer to change the "Service PIN-code".

WRITE DOWN AND REMEMBER A NEW VALUE OF THE "SERVICE PIN-CODE"

☐-☐-☐-☐

• We recommend that you change the default value of the "Guest PIN-code" (1-2-3-4). (See the "Changing settings from a phone" section -> 5* Additional settings -> 1* Changing the Guest PIN code.
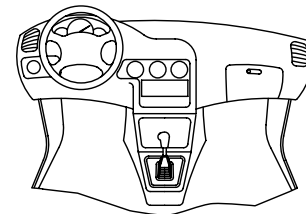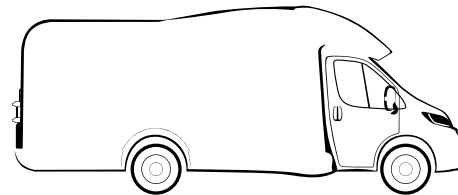
WRITE DOWN AND REMEMBER A NEW VALUE OF THE "GUEST PIN-CODE"

☐-☐-☐-☐

• If the "Code immobilizer (pin-to-drive)" function is implanted:

WRITE DOWN AND REMEMBER THE "IMMOBILIZER PIN-CODE"

☐-☐-☐-☐

Mark a button (button/lever/pedal) that is used to enter the "Immobilizer PIN-code" in the layout diagram.

System modules layout
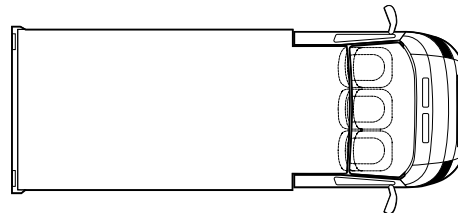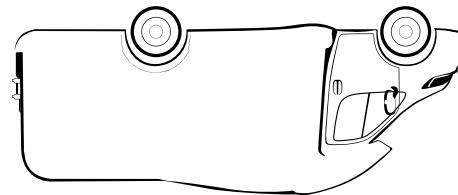
1	Base unit
2	Blocking relay (circuit being blocked)
3	External VALET button
4	Sensor DMS-100 BT
5	
6	
7	
8	
9	
10	

Base unit of the system

Built-in GSM modem (GPRS/SMS/LBS-services)

A built in modem allows the system to work in a mobile network using an installed SIM card: voice and SMS notifications, control from a phone using DTMF-commands, determination of coordinates based on cellular base station location (only for 500* command), connection with our online-service and mobile applications.

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.

Built-in GPS/GLONASS-receiver

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

! To automatically determine data and time, it is required to set correct UTC time zone using the mobile app or the online-service.

2.4GHz radio channel, Bluetooth 5.0 protocol (BT5.0)

An integrated radio channel is used to connect the system with a mobile phone and additional Bluetooth devices. The system supports up to 14 additional Bluetooth devices: 1 remote control D-030, up to 3 radio tags, 1 mobile phone, up to 10 DMS-100BT sensors, up to 2 radio relays BTR-101, 1 RHM-03BT module, 1 BT-01 relay or DI-04 module.

Digital protection AES (128 Bit)

Dialog coding of commands with a 128-bit encryption key guarantee secure communication via the radio channel. The encryption key can be changed when you re-pair a remote control or additional Bluetooth devices.

3D-accelerometer

A built-in accelerometer is used to detect shock/motion/tilt:
- 2 zones of the shock sensor (alarm/warning);
- Separate sensitivity adjustment by zones;
- Engine blocking on motion start;
- Central lock closing when start driving.

Multisystem digital 2xCAN | LIN interface

Integrated digital CAN and LIN interfaces allow connection to digital buses of a vehicle for reading information (statuses) and controlling vehicles (commands). The LIN-interface can be used to control Webasto ThermoTopEvo and Eberspacher Hydronic/Hydronic2 heaters.

! See detailed information on loader.pandorainfo.com

Micro-USB port

The system has a buil-in micro-USB port that is used for system configuration and update via the Pandora Alarm Studio. The system can be power from the USB, so you can configure it before installation.

Temperature

The system can determine interior, engine and outside temperature. The following sources are used: built-in temperature sensor, connector of an external temperature sensor, digital CAN-bus, values from additional devices.

! Default values: interior temperate – built-in sensor; engine temperature – external sensor; outside temperature – CAN.

Synchronized clock of the baze unit

Built in clock is automatically synchronized with the built-in GPS/GLONASS receiver

! It is required to set correct UTC time zone using the mobile app or the online-service.

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 information is intended only for the owner. The card and the hidden information cannot be restored.

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. It can be also used to enter programming mode. This information cannot be changed or restored
- LOGIN – is a 10-digit number. This information is used to add the system to the online service and mobile applications. This information cannot be changed or restored
- PASS – contains 8 characters and can consist of digits, lower and upper case letters. This information

is used to add the module to the online service and mobile applications. This information cannot be changed or restored.
• Phone number is a phone number of the SIM-card supplied with the system. This number is not used if you change the SIM-card.

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 dimmobilizer mode.

! Original vehicle controls (buttons/levers/pedals) can be used as the VALET button. See the detailed information on loader. pandorainfo.com.

PIN
2-2-2-2

LED INDICATOR

VALET BUTTON
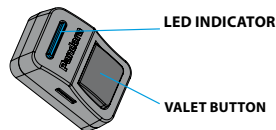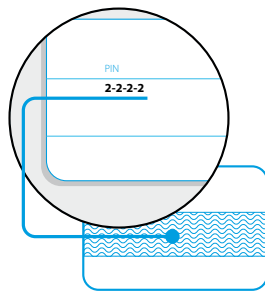
LED indicator signals

| INDICATOR STATUS	DESCRIPTION
THE SYSTEM IS ARMED	
Short red flashes	System is armed
Short green flashes	System is armed (a radio tag 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
Orange flashes (when turning on the ignition)	Confirms the number of paired remote controls
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
Confirms a paired mobile device	Confirms a digit input
Red and green flashes	Confirms correct PIN code
Long red flash	PIN-code is incorrect

2 System functions and modes

Security mode (the system is armed)

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 accompanied with **30 sec.** △ **light** and **30 sec.** 🔊 **sound** signals. The 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 sensor (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)

Sound and light signalization

DESCRIPTION	STATE (sound/light)
Arming	1x 🔊/1x 🔆
Disarming	2x 🔊/2x 🔆
Car search	5x 🔊/5x 🔆
Alarm, PANIC mode	30sec. 🔊/30sec. 🔆
Warning level of a sensor is triggerd	3x 🔊/1x 🔆
'Sensors were triggered' signal when disarming / Parking light is not turned off notification / 'Sensors are triggered" signal when arming	4x 🔊/4x 🔆
Engine blocking warning in Anti-Hi-Jack mode	30sec. 🔊/30sec. 🔆

Stay Home mode

This mode is used to control the outer perimeter of a vehicle during parking when passengers are inside the vehicle. This mode allows the system to protect your vehicle against intrusion through the parts of the vehicle that can be open.
- The system will be armed silently when you activate the "Stay Home" mode, it will be confirmed with **1x 🔆 light** signal. The system controls vehicle security zones and an additional gas sensor (it is not included in the set) in this mode, built-in sensors (shock/tilt/motion) are disabled in this mode.
- The system will be disarmed when you deactivate the "Stay Home" mode, it will be confirmed with **2x 🔊 sound** and **1x 🔆 light** signals.

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 enabled 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 used to recognize an owner in the radio coverage zone of the base unit. These devices allow implementing security and anti-hijack functions. You can use a mobile phone, a radio tag BT-760 or a remote control D030 as an authorization device.

Alerts when using authorization devices
It is recommended to use an additional sound emitter Beeper when you use authorization devices.

BEEPER SOUND SIGNALS	
SIGNAL NAME	DESCRIPTION
Activating service mode	1 sound signal
Deactivating service mode	2 sound signal
Correct input of the "Immobilizer PIN-code"	1 sound signal
A battery in a radio tag is discharged	3 sound signals /3 times
Absence of a radio tag	4 sound signals /4 times
Blocking warning	Fast sound signals

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 HANDSFREE MODE: 223* - ACTIVATE HANDSFREE ARMING, 224* - ACTIVATE HANDSFREE DISARMING, 222* - DEACTIVATE ALL HANDSFREE 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 radio coverage zone. If there is no any authorization device in the radio coverage zone:
- If engine blocking is implemented – 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;
- If OBD connector blocking is implemented – the system will stay the connector blocked.
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-HiJack 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 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. IT IS REQUIRED TO MAKE ADDITIONAL SETTINGS AND CONNECTIONS FOR THIS MODE.

Multi-button code immobilizer (pin-to-drive)

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. IT IS REQUIRED TO MAKE ADDITIONAL SETTINGS AND CONNECTIONS FOR THIS MODE.

Checking the number of paired remote controls/radio tags/mobile device

The number of paired remote controls/radio tags/mobile device can be checked by the number of flashes of the LED indicator. The number of paired remote controls/tags/mobile device can be checked when switching on the ignition (the system must be disarmed). The number of orange flashes will indicate the number of paired remote controls, 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 remote controls/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.

3

Remote control
D030

A remote control is a device used to control and monitor vehicle/system state. The remote control is also used as an authorization device for "Immobilizer/Anti-Hijack/HandsFree" modes. It works in the Bluetooth coverage zone. Each event is displayed as an icon on the OLED-display and is accompanied with a sound and vibro indication.

! ALL CONTROL COMMANDS ARE TRANSMITTED VIA RADIO CHANNEL, FOR MAXIMUM EFFECTIVENESS AND RANGE IT IS RECOMMENDED NOT TO SHIELD AERIAL AREA (SEE PICTURE) WITH FINGERS WHEN USING A REMOTE CONTROL.

- OLED – display
- 3 control buttons
- Built-in sound indicator (16 ringtones)
- Built-in vibro indicator
- Built-in LED SEND/ALARM indicator
- 2,4 GHz radio interface (Bluetooth protocol)
- Dialog coding of commands (AES-128 encryption)
- Built-in battery
- Built-in micro-USB port

Switch on/off the remote control

Press and hold the **F** button for 3 seconds to switch on/off the remote control.

LED indicator of the remote control signals

RED indicator "ALARM"	Green indicator "SEND"
Flashes frequently if there is any notification	Flashes if there is a connection with the base unit
Flashes occasionally when there is no connection	Goes dark when there is no connection with the base unit

Charging the remote control

There is an indication of the battery charge level ▭. on the display. Charge the battery if the remote control does not turn on or the charge level indicator displays the last segment ▭. The battery is charged using a standard micro-USB cable.

Updating firmware of the remote control

- Download the Pandora BT application (for Android or iOS devices equipped with a Bluetooth 4.0 Low Energy or higher module).
- Press and hold the **F** button. Connect the micro-USB cable to the remote control whule holding the button. Release the button after the connection.
- Open the mobile app and find the remote control, select the 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.

Icons of the remote control

◄ Connected to the base unit

◄ Security mode status

◄ Current time

◄ Battery charge level

◄ Engine temperature

◄ Interior temperature

◄ Outside temperature

◄ Vehicle battery voltage

◄ Fuel level

◄ Shock sensor Security zone (Warning level)

◄ Shock sensor Security sensor (alarm level)

◄ Additional sensor/ OE alarm status Security zone (alarm level)

◄ Additional sensor/ OE alarm status Security zone (warning level)

◄ Tilt sensor Security zone

◄ Motion sensor Security zone

◄ Ignition Security zone

◄ Doors security zone

◄ Trunk security zone

◄ Low voltage security zone

◄ Brake pedal security zone

◄ Heater operation icon

Quick access functions of the remote control

	System is disarmed		System is armed (no alarm events)
	Ignition is on	Ignition is off	
🔒 (short press)	Lock doors without arming	Arming with sound confrmation	Search mode – flashes of turn signals with sound signals for 5 seconds
🔒 (1 sec.)		Activate "Stay Home" mode	Search mode – flashes of turn signals with sound signals for 5 seconds
🔓 (short press)	Unlock doors	Unlock doors	Disarming with sound confirmation
🔓 (1 sec.)			Disarming without sound confirmation
Ⓕ (short press)	Switch on the display		
Ⓕ (1 sec.)	Open side door		
Ⓕ (2 sec.)	Switch on/off time channel		
Ⓕ (3 sec.)	Switch on/off the remote control		
🔒 + 🔓 (short press)	PANIC mode		
🔒 + Ⓕ (short press)	Arming when the engine is running with sound confirmation	Arming in 30 seconds With sound notification	
🔒 + Ⓕ (1 sec.)	Arming when the engine is running with sound confirmation	Arming in 30 seconds without sound notification	

4 Radio tag BT760

A radio tag is a device used to control a vehicle/system. The remote control is also used as an authorization device for "Immobilizer/Anti-Hijack/HandsFree" modes. It works in the Bluetooth coverage zone.
A 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; a LED indicator SEND.

- Control button ⌒ for arming/disarming and activating/deactivating service mode
- LED indicator SEND
- Bluetooth protocol 🅱
- Built-in accelerometer
- CR 2032 Battery
- 2,4 GHz radio interface (dialog encryption AES-128)

   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 and ignition is off	Activate Stay Home

Press and hold for 2 sec when the system is disarmed and ignition is on	Change the "Main owner's phone number"
Press and hold for 2 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 for10 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.

Update firmware of a radio 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.

Open here

5 Control the system from a phone

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

Code	Function	Code	Function
*	Repeat the last message	2 2 2 *	Disable HandsFree
1 *	Arming	2 2 3 *	Enable HandsFree arming
0 *	Disarming	2 2 4 *	Enable HandsFree disarming
1 0 *	Silent arming	2 9 7 *	End a call
0 0 *	Silent disarming	5 5 1 *	Activate service mode (see description below)*
9 *	Help	5 5 2 *	Deactivate service mode
0 9 *	Events history	1 5 6 *	Switch on heater
1 5 *	Tow truck mode	6 5 1 *	Switch off heater
1 0 0 *	Request GSM account balance	6 6 6 *	Activate engine blocking
3 3 3 *	Switch on add. CAN function	9 9 9 *	Deactivate engine blocking*
5 0 0 *	Request current coordinates	9 9 8 *	Deactivate authorization devices*
4 5 6 *	Switch on additional channel	8 8 8 *	Activate authorization devices
6 5 4 *	Switch off additional channel		

* IT IS REQUIRED TO ENTER THE "SECRET PIN-CODE" AFTER DIALING A COMMAND

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.

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

Request GSM account balance
1. Call the system number. Wait for the answer.
2. Dial **100***.
3. The system will confirm: 'Balance information 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 SYSTEM COMMANDS CAN BE ENTERED IN THE SAME MANNER.

Changing settings via a phone

Enter the settings mode

Disarm the system, call the system number, wait for the answer, switch on the ignition for 1-3 seconds, then switch it off. The system will enter the settings mode.

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 '+');
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, 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 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

5 ***** — Additional settings
- **1** ***** Changing guest PIN-code
- **2** ***** Entering as guest
- **5** ***** Set threshold voltage for sending text message

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

6 Online service pandora-on.com and mobile application Pandora Camper

F<small>OR THE CORRECT OPERATION OF THE</small> GSM <small>FUNCTIONS, AN OWNER SHOULD MONITOR THE STATUS/BALANCE OF THE</small> SIM <small>CARD INSTALLED IN THE SYSTEM.</small> I<small>F THE</small> SIM <small>CARD IS BLOCKED OR DEFECTIVE,</small> GSM <small>FUNCTIONS OF THE SYSTEM WILL BE UNAVAILABLE.</small>

It is required to create an account, add the system to your account, pair your mobile phone with the system. Registration is performed in the mobile application or on the web-site.

Registration
Visit pandora-on.com website and register following the instructions.

System login
After completing of the registration process, you can login- to the online service via a computer's web browser or via special mobile app Pandora Camper for the Android and iOS. Use your previously created login/password to enter the web site or mobile app.

Adding a system to the online service
The Internet service pandora-on.com can support simultaneously several telemetry systems, installed on various cars (private car park).
To add a telemetry system (vehicle) to the service, press 'Add car' button and go through the process of adding, following the instructions. To add a car, individual owner's card with registration information is needed (shipped with the system).

!E<small>RASE THE PROTECTIVE LAYER CAREFULLY.</small> D<small>O NOT USE ANY SHARP OBJECTS TO AVOID DAMAGING OF HIDDEN INFORMATION UNDER THE PROTECTIVE LAYER.</small>

Events history

Event history holds more than 100 different types of events that can happen to the system. Every event
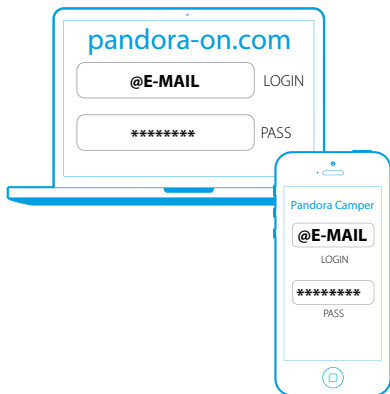
is saved with date, time, coordinates and status of all control zones at the time the event has occurred. The number of events in the history is limited. Storage of event history life is no less than 1 month.

Mobile application Pandora Camper

You can download the free app Pandora Camper from the App Store for iOS and Google Play for Android devices. To access the app, use the login data received from the service at the registration stage.
Control via a radio channel
Mobile application Pandora Camper can control the system, receive status information and open advanced settings without Internet connection when a phone is in the Bluetooth coverage zone.
To get access to these functions, pair a mobile device in the system.
Pairing a mobile device
To pair a mobile phone with the system:
I. ENTER PROGRAMMING MODE
Use the VALET button to enter the "Service PIN-code" (default value is 1-1-1-1). See the deatailed 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.
III. PAIR A MOBILE PHONE
Turn on Bluetooth on your mobile phone and open the mobile application. Go to the "Search device" screen: "My systems" -> "Add a bluetooth device". The application will search for the system via a Bluetooth connection.
Select the found system, 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.
IV. EXIT PROGRAMMING MODE
Turn on the ignition and then turn off to exit programming mode.

!T<small>HE SYSTEM SUPPORTS ONLY ONE MOBILE DEVICE.</small> I<small>F THERE IS NO AUTOMATIC PAIRING, ENABLE THE</small> "PIN <small>REQUEST FOR PHONE PAIRING" ITEM IN THE</small> "R<small>ADIO TAG AND MOBILE DEVICE FUNCTIONS" SETTINGS AND MAKE THE PAIRING PROCEDURE AGAIN.</small> A <small>MOBILE DEVICE WILL REQUEST A</small> PIN-<small>CODE</small> (F<small>ACTORY PRE-SET IS</small> 0-0-1-1-1-1 <small>WHERE 4 LAST DIGITS ARE THE</small> "S<small>ERVICE</small> PIN-<small>CODE".</small>

7 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 and 1 flash of light signalization .

doors locking   1x /1x

SLAVE
HANDS FREE
MOBILE APP
①＊

system arming

▫ 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 .

▫ 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＊ command.

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

Mobile application
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 VAL ET button" is available in the AlarmStudio ("Main settings" -> "Sensors settings").

Activating Stay Home mode

To activate Stay Home mode when the ignition is off, use one of the methods described below. The system will confirm the command with 1 flash of light signalization ▲.

Remote control
Press and hold the 🔒 button on the remote control for 1 second (until a sound signal/flash of the SEND/ALARM indicator) 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 🔒 .

Mobile application
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. The security mode status icon will be changed to 🏠 .

Radio tag
A radio tag must be in the Bluetooth coverage area. Press and hold the control button 📡 on the tag for 2 seconds (until the second flash of the «SEND» indicator).

Delayed arming

If when leaving the car you cannot arm it using a remote control (you have your hands full), you can use delayed arming. To activate this mode, shortly press the 🔒 and Ⓕ buttons simultaneously. The LED indicator will turn red, the system will lock doors and will arm in 30 seconds, the siren will sound and turn signals will flash once, indicating that the mode is triggered.
To activate this mode without sound confirmation, press and hold both 🔒 and Ⓕ buttons for 1 second until a sound and vibration signal.
To cancel delayed arming when it is triggered, simply press the 🔒 button.

Disarming

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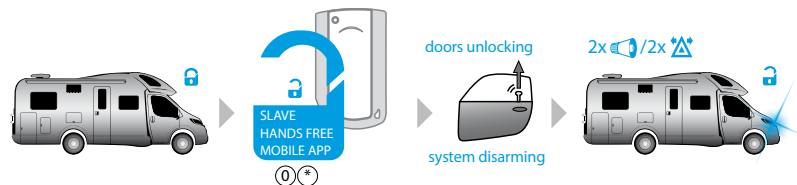
doors unlocking   2x🔊/2x▲

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⓪⁎

system disarming

Remote control
Shortly press 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
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 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 🔒 on the control panel.

Mobile application
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 application
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 📢 and flash turn signals ⚠ 5 times in a row. 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 application
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.

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 application

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.

❗ Tо 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.

8 Control the system in case of emergency

The system has emergency ways to deactivate security and anti-hijack 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 "Code immobilizer" and 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.

❗ 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 VALET BUTTON. 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" to put the system in programming mode.

❗ YOU CAN ALSO ENTER PROGRAMMING MODE USING THE "SERVICE PIN-CODE" (DEFAULT VALUE IS 1-1-1-1).

1. Emergency activation/deactivation the immobilizer function
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 15th level with the red flashes of the LED and short signals of the Siren/Beeper.

- Deactivate immobilizer: The LED indicator will be green after entering the programming level. The system will wait 10 seconds for entering the 'Secret PIN-code'. Enter the 'Secret PIN-code' that is written on the owner's plastic card. 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. The system will confirm deactivating with two sound signals of the siren, a long red LED flash and the series of signals of the Beeper. After that, the system will return to the programming menu. Turn on the ignition and then turn off to exit programming mode. The immobilizer will be deactivated.
- Activate immobilizer: 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 immobilizer will be activated.

  2. Emergency activation/deactivation the code immobilizer function (pin-to-drive).
  After entering programming mode, press the VALET button 13 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.
- Deactivate code immobilizer: The LED indicator will be green after entering the programming level. The system will wait 10 seconds for entering the 'Secret PIN-code'. Enter the 'Secret PIN-code' that is written on the owner's plastic card. 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. The system will confirm deactivating with two sound signals of the siren, a long red LED flash and the series of signals of the Beeper. After that, the system will return to the programming menu. Turn on the ignition and then turn off to exit programming mode. The code immobilizer will be deactivated.
- Activate code immobilizer: 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 code immobilizer will be activated

9 Warranty obligations

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 Camper

Serial number_____

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

Signature_____/_____/
Signator
Work accepted_____/_____/
Signator
Date «_____»_____20____year.

Acceptance certificate

Pandora Camper 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 Camper

Serial number _____

Date of purchase «____» _____ 20____year

_____
Seller's (installer's) stamp

Seller's signature _____