Pandora

CAR
ALARM
SYSTEMS

CATALOGUE

Pandora REVOLUTION IN SECURITY

WWW.PANDORA-ON.COM PERSONAL MONITORING & CONTROL FROM ALL INTERNET DEVICES
Control and monitor your vehicle through your own online portal at www.pandora-on.com, using any device with internet connection (PC, smartphone or tablets) to get even more features and control. You will be able to generate reports, assign system control to other users, create notification rules, manage vehicle fleets, activate Geo Fences and much more.

OWNER PERSONAL SAFETY
In the unfortunate event that you are involved in a vehicle accident or in an emergency, you press the SOS button and your Pandora alarm system will instantly send an important notification to your saved group of emergency telephone numbers (programmed on installation by your dealer). The system will also transmit your exact vehicle location and coordinates. The accident will be stored as an event in the online event history.

MOBILE APPS
Comprehensive mobile apps compatible with iOS & Android smartphones and tablets. Detailed description is available in the section «Mobile apps».

ACTIVE SECURITY
Timely notification of the owner in case of vehicle towing or loss of connection with the system.

MULTICHANNEL RADIO INTERFACE 868 MHz
Stable and reliable connection of the remote control with the system (protection by dialogue encryption AES 128 bit)
• 868 MHz - a modern radio path with an increased communication range
• LoRa 868 MHz - new ultra-rapid radio path with algorithmic modulation, which features recordbreaking communication range and low power consumption.

BLUETOOTH INTERFACE
Wireless technology for communication of the system with accessories and a mobile device:
• BLE 4.2 - short-range wireless interface (up to 30 meters).
• BT 5.0 - modern interface with extended support for accessories and functions, increased communication range (up to 150 meters).
A complete list of accessories is available in the «ACCESSORIES» section.

«START ENGINE» BUTTON UPGRADE OPTION
A special algorithm allows you to equip vehicles with a standard ignition switch with a start button.

SLAVE MODE
Convenient system arming/disarming using original vehicle control, such as an original key, button or sensor of a key-less access entry system.

OWNER'S PERSONAL CARD
A unique card containing personal information of the system under a protective layer, including a randomly generated «Secret PIN-code» for emergency disarming and deactivation of anti-theft modes.

IMMOBILISER AND ANTI-HI-JACK FUNCTIONS
Control of security and anti-theft functions of the system (Hands-Free, Immobiliser, Anti-Hi-Jack, «SLAVE» mode) using hidden portable devices: tags, Bluetooth remote controls, wrist watch, or mobile phones with the installed app.

SMART REMOTE ENGINE START
Remote and automatic engine start, turbo timer and ignition support with reliable monitoring of the vehicle status information.

BUILT IN USB INTERFACE
Type-C and microUSB - changing the basic settings and parameters of the system using the Pandora Alarm Studio and Pandora Specialist programs without connection to the vehicle power supply.

ENERGY EFFICIENCY
Pandora security systems work on both new and old vehicles. The power consumption meets the requirements of all car manufacturers for supplementary aftermarket equipment.

Pandora service-security systems features

BACKUP BATTERY
Notifications to the owner in case of unauthorized disconnection of the onboard power supply of the vehicle. Available with built-in or optional power supply.

BUILT-IN SHOCK/TILT/MOTION SENSOR
3D digital triple axis accelerometer monitors vehicle's separate zones (shock/tilt/motion), allows to close the central lock and block the engine by movement.

DIGITAL INTERFACES*
Multi system CAN interface provides maximum features, security and anti-theft functions by reading status information from the digital buses and implementing engine blocking, remote engine start and bypass of the original immobiliser. LIN interface is also used to read status information or control the engine pre-heaters (Webasto/Eberspacher).

INTEGRATED GSM-INTERFACE
• GSM - Easy phone management, fast voice and SMS notifications.
• GPRS - High quality internet connection for working with the website and mobile app.
• 4G LTE (3G/2G) - A modern high-speed internet connection for working with the website and mobile app.
• LBS - Vehicle location determination by the base stations of the cellular network.
• SIM (micro/nano) and/or SIM-chip are preinstalled in the system for a modem operation .

GPS/GLONASS POSITIONING
Detailed route tracking, precise constant monitoring of the vehicle's location and geofence definition in mobile app and internet service.

REMOTE ENGINE START ALGORITHM «BAIKAL»
Automatic engine start parameters for vehicle operation in harsh winter conditions.

GPS ANCHOR MODE
Automatic owner notification about the change of the GPS coordinates while system is armed.

MULTISIM-PROCESSING
Automatic and manual switching between SIM cards and/or SIM chip.

CODE IMMOBILISER MODE
Disabling the anti-theft functions of the system when entering a personal code using standard vehicle buttons or controls.

ORIGINAL IMMOBILISER BYPASS*
A built-in option allows bypassing the original immobiliser of the most modern cars and implement the smart remote and automatic engine start without leaving a spare key inside the vehicle.

ENGINE PREHEATER CONTROL
Smart and flexible algorithms for managing original and aftermarket engine heaters and pre-heaters.

*Ask your dealer for full vehicle coverage list.

Pandora service-security systems features

Car alarm systems

Pandora car alarms set a new standard of high-tech car security & real time vehicle monitoring. We are using up-to-date telecommunication technologies in combination with the unique and most reliable security algorithms and bypass procedures for secured remote engine start. Bluetooth 5.0 and 868 MHz radio interface with LoRa modulation use 128-bit encryption protocol for a secured data transfer at record distances. Pandora products successfully resist all types of electronic attacks.

Each system is optimized for the energy efficiency and totally fulfills the strict requirements of the vehicle's manufacturer, even for hybrid and electric cars. When you need the best, you need Pandora.
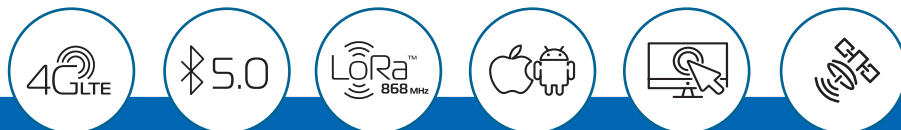
Pandora
Elite v2

**PREMIUM TELEMETRIC & SECURITY-SERVICE SYSTEM
WITH NEXT GENERATION TECHNOLOGY**

The Pandora Elite v2 is an incredibly advanced security-telemetric system equipped with a new 4G modem, Bluetooth 5.0, GPS/GLONASS receiver and 868 MHz LoRa modulation. The system includes all available security and service functions, as well as additional personal safety and high configurability for custom options and equipment.

The Pandora Elite has a new D-043 remote control with a large and bright LCD display and a built-in Li-Po battery. The remote connects to the main unit by the long-range 868 MHz radio interface and Bluetooth protocol.

The Bluetooth 5.0 hardware implementation allows you to control the system from the smartphone by Bluetooth at a distance of up to 160-180 meters. The newest GSM modem supports 4G/LTE(class1), 3G, 2G (GPRS) and in combination with two GSM antennas provides excellent data transfer even in conditions of poor signal. All these features guarantee the highest level of anti-theft protection and maximum usability.

- Internet service PANDORA-ON.COM
- Mobile app Pandora Connect
- Control by smartphone
- Control in Slave mode
- Hands Free mode
- Smart remote engine start
- «Start engine» button upgrade option
- «Anchor» security algorithm
- Active security function
- Code Immobiliser mode
- Visualization of service information (voltage, fuel level, temperature, mileage)
- Location and movement tracking
- SOS Button | emergency notifications
- Immobiliser and Anti-Hi-Jack functions
- Keyless bypass of a standard Immobiliser
- Control over an engine pre-heater
- Integrated 3D accelerometer

LBS/4G LTE/3G/GPRS
nano-SIM
868 MHz (LoRa)/2.4 GHz (BT 5.0)
3D accelerometer
GPS/GLONASS
3xCAN/2xLIN
IMMO-KEY
microUSB

Base unit
Two radio tags BT-760
LCD remote control D-043
RF-module DXL-470
Relay module RMD-5M
Piezo siren PS-332 BT
Personal card with a secret PIN code
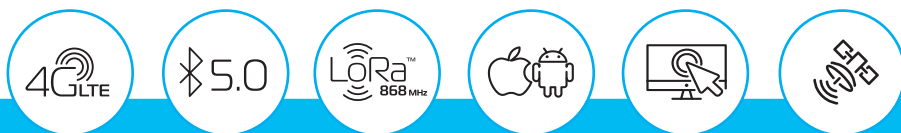
Pandora
Professional v3

TELEMETRIC SECURITY-SERVICE SYSTEM

The new generation of the well-known telemetric security-service system with outstanding characteristics and functionality for the most demanding owners of the modern and exclusive cars. Pandora Professional v3 is first product based on an absolutely new platform with extended data transfer protocol to provide more additional information for maximum user convenience and new power supply management with incredibly low consumption which is very important for EVs. All modern communication technologies are gained in a really compact case, including superfast 4G (LTE), GPS/Glonass receiver, Bluetooth 5.0 and ultra-long range 868 MHz radio interface with LoRa modulation with high resistance to urban interference. Our engineers were inspired by stealth philosophy while developing the system – it is easy to hide it anywhere with a minimum number of connection points. No additional modules need to be installed.

- Internet service PANDORA-ON.COM
- Mobile app Pandora Connect
- Control by smartphone
- Control in Slave mode
- Hands Free mode
- Smart remote engine start
- «Anchor» security algorithm
- Active security function
- Code Immobiliser mode
- Visualization of service information (voltage, fuel level, temperature, mileage, TPMS, windows status)
- EV service information (Charge status, SOH, SOC, remaining distance)
- Location and movement tracking
- Immobiliser and Anti-Hi-Jack functions
- Keyless bypass of a standard Immobiliser
- Control over an engine pre-heater
- Integrated 3D accelerometer

LBS/4G LTE/3G/GPRS
nano-SIM
868 MHz (LoRa)/2.4 GHz (BT 5.0)
3D accelerometer
GPS/GLONASS
2xCAN/LIN
IMMO-KEY
type-C USB

Base unit
Radio tags BT-780 and BT-770
LCD remote control D-027
Blocking relay
Personal card with a secret PIN-code

Pandora
Smart Pro v3

NEXT GENERATION , ULTRA DISCRETE TELEMETRIC
& SECURITY-SERVICE SYSTEM

Telemetry security-service system
SMART PRO

The Pandora Smart Pro is a state-of-art security-telemetric system based on the most modern technological platform. In a compact case we have combined the most reliable security functions with a superfast 4G (LTE) modem, Bluetooth 5.0 interface, precision GPS/GLONASS receiver and two ceramic antennas for perfect GSM signal reception.
Use your smartphone with the Pandora Connect app to monitor and control your vehicle worldwide.
The Pandora Smart Pro has an optimal set of security and anti-theft features and can be easily upgraded with wireless accessories. This system has special algorithms designed for the newest vehicles with strict energy requirements, even for hybrids or electric cars.

- Internet service PANDORA-ON.COM
- Mobile app Pandora Connect
- Automatic notifications in case of an accident
- Immobiliser and Anti-Hi-Jack functions
- Smart remote engine start
- Control by smartphone
- Control in Slave mode
- Integrated 3D accelerometer
- «Start engine» button upgrade option
- Visualization of service information (voltage, fuel level, temperature, mileage)
- Hands Free mode
- Automatic owner authorization (smartphone, tag, additional accessories)
- Pre-heater control
- Code Immobiliser mode
- «Anchor» security algorithm
- Blocking of the engine by CAN
- Blocking of original Keyless-Go function

2.4 GHz (BT 5.0)
LBS/4G LTE/3G/GPRS
nano-SIM
3D accelerometer
2xCAN/LIN
IMMO-KEY
type-C USB

Base unit
Two radio tags BT-770
Blocking relay
Personal card with a secret PIN-code

My car
27 Feb 09:30 • Armed
0.00P   8523 km

Pandora
Smart v3

A COMPACT TELEMETRIC & SECURITY-SERVICE SYSTEM

We have optimized the reliable platform of Pandora Smart security-service system. The list of available services is expanded with a modern GSM modem and GPS positioning and tracking functions. These features make it to be the most affordable telemetric security-service system equipped with 4G (LTE) modem and GPS/GLONASS receiver.
The Pandora Connect application is providing the actual information about the vehicle state, event history, tracking and displays near real-time location with incredible convenience.

- Internet service PANDORA-ON.COM
- Mobile app Pandora Connect
- Control by smartphone
- Control in Slave mode
- Hands Free mode
- Automatic owner authorization (smartphone, tag, additional accessories)
- Vehicle service information (voltage, fuel level, temperature, mileage)
- Smart remote engine start
- «Start engine» button upgrade option
- Pre-heater control
- Code Immobiliser mode
- Immobiliser and Anti-Hi-Jack functions
- Built-in 3D accelerometer
- Built-in microUSB port
- Blocking of the engine by CAN
- Blocking of original Keyless-Go function

2.4 GHz (BLE 4.2)
LBS/4G LTE/3G/GPRS
nano-SIM
GPS/GLONASS
3D accelerometer
2xCAN/LIN
IMMO-KEY
microUSB

Base unit
Two radio tags BT-760
Blocking relay
Personal card with a secret PIN code

Pandora
Mini v4

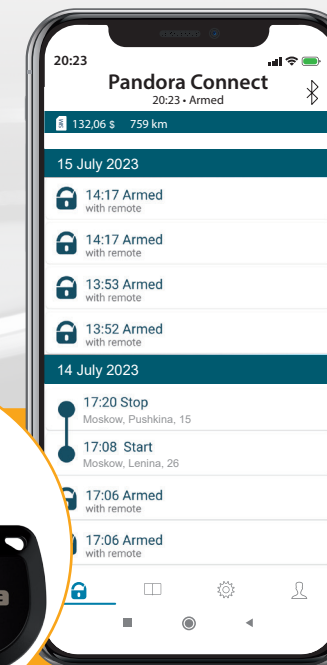NEXT GENERATION, UPGRADEABLE BASE ALARM UNIT

The Pandora Mini v4 is a unique miniature device that combines functions of the latest specification Bluetooth 5.0 vehicle alarm, and an immobiliser system. The system has CAN interface to read actual vehicle's status information, and follows the commands of the original key in Slave mode. Encrypted Bluetooth 5.0 functionality allows to implement Hands-Free, Anti-Hi-Jack functions and increase anti-theft functions by adding numerous wireless accessories. Connect your smartphone with the Pandora app to have full control over the system, to see important information about fuel level, battery status, mileage, and more.

- Mobile app Pandora Connect
- Immobiliser and Anti-Hi-Jack functions
- Dialog dynamic code
- Multifunctional BLUETOOTH 5.0 radio interface
- Built-in shock/tilt/motion sensor
- Multisystem digital interface 2xCAN
- Built-in USB interface
- Energy Efficiency

2.4 GHz (BT 5.0)
3D accelerometer
2xCAN
microUSB

Base unit
Radio tags BT-780 and BT-770
Blocking relay
Personal card with a secret PIN code

Pandora
Light Pro v2

NEXT GENERATION, UPGRADEABLE BASE ALARM UNIT

A contemporary two-way car security-service system with a LoRa modulation and increased technical specifications. The 868 MHz radio interface keeps a reliable connection with the LoRa remote control even at long distances. Built-in 2xCAN/LIN/Immo Key interfaces provide accurate information about vehicle's statuses and even commanding secured remote engine start. The system uses Bluetooth 5.0 for wireless, secured communication with numerous BT accessories which significantly enlarge anti-theft functionality of the system. The ergonomic D-022 remote control is equipped with an OLED display and long lasting Li-Po battery, conveniently rechargeable through it's microUSB port.

- Mobile app Pandora Connect
- Control by remote
- Control in Slave mode
- Hands free mode
- Automatic owner authorization (smartphone, tag, additional accessories)
- Visualization of service information (voltage, fuel level, temperature, mileage)
- Smart remote engine start
- «Start engine» button upgrade option
- Pre-heater control
- Code Immobiliser mode
- Immobiliser and Anti-Hi-Jack functions
- Blocking of the engine by CAN

868 MHz (LoRa)
2.4 GHz (BT 5.0)|
128 Bit encryption
3D accelerometer |
2xCAN/LIN IMMO-KEY
microUSB

Base unit
Radio tag BT-760
LCD remote control D-022
Blocking relay
Personal card with a secret PIN code

ENGINE START STOP

HEATER

2xCAN

BYPASS

Pandora
Light v3

MODERN, COST-EFFECTIVE SECURITY-SERVICE
SYSTEM WITH TWO-WAY REMOTE CONTROL

Pandora Light is an entry level security-service system with two-way remote control and an extended operational radius. This new generation of the system is equipped with a list of functions previously available only for premium systems: dialog coding of the radio interface, 2xCAN/LIN/Immo Key digital interfaces, bypass of the original immobiliser, remote and automatic engine start, engine heater control and more. All this makes Pandora Light the best choice for those who wants to use modern services at an affordable price.

- Control by remotes
- Control by original key (Slave-mode)
- Visualization of service information (voltage, fuel level, temperature)
- Smart remote engine start
- «Start engine» button upgrade option
- Pre-heater control
- Code Immobiliser mode
- Blocking of the engine by CAN
- Blocking of original Keyless-Go function

868 MHz
128 Bit encryption
3D accelerometer
microUSB
2xCAN/LIN
IMMO-KEY

Base unit
LCD remote control D-010
Additional remote control R-387
Relay module RMD-5M
Personal card with a secret PIN code
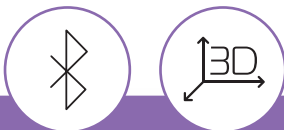
Pandora
Immo

EFFECTIVE ANTI-THEFT PROTECTION

Pandora Immo is not just a traditional bocking device to control starter or engine control circuits. It is a fully hands-free system . It includes a built-in an encrypted Bluetooth interface which automatically detects the owner's different authorization devices, such as Bluetooth Tags or a smartphone. Controlling radio relays and hood lock it also allows to build a reliable security complex around your vehicle. Easy to connect and hide, it is almost impossible to be found even by a competent electrician. Control, configuration and system update of the Immo is made through the Pandora BT app with a user-friendly interface. The anti-hi-jack features provides protection against car-jacking.

- Immobiliser and Anti-Hi-Jack functions
- Dialog dynamic code
- Multifunctional BLUETOOTH 4.2 LOW ENERGY radio interface
- Built-in shock/tilt/motion sensor
- Full group of contacts of blocking relay (COM, NC, NO)
- Special status output to disable original radio channel when there is no radio tag in the coverage zone
- Optional hood lock module and radio relay
- Energy Efficiency

2.4 GHz (BLE 4.2)
Dialog code
128-bit Encryption

Base unit
Two radio tags BT-760
Personal card with a secret PIN code

Moto alarm systems

Meet the new product range of security-service systems, specially designed for all types of moto technics. Pandora MOTO products were created to meet the requirements of motorcycles, scooters, ATVs, snowmobiles, and more. Optimized to work with small batteries they have low power consumption and intelligent sleep modes. The compact waterproof cases are easy and discrete to install, perfectly resisting different weather and operating conditions.

Pandora
CAR ALARM SYSTEMS

ENGINE START STOP

3D

dialogue 868

Pandora
Moto

CONTEMPORARY SECURITY-SERVICE
SYSTEM WITH TWO-WAY REMOTE CONTROL

Pandora
Motorcycle security system

- Low power consumption
- Ultra-long distance range
- Integrated power backup

Moto

Pandora Moto is a modern security-service system controlled by a long-range remote control with a motorcycle interface. The system has special security algorithms to recognize any hijacking attempts. Special power-saving modes will extend the remote's original battery, with the built-in Li-Po battery keeping the system working even when the battery is completely disconnected.
A sealed piezo siren is included to provide loud and effective deterrence.

- Smart remote engine start
- Dialog dynamic code
- New multifunctional 868 MHz radio path
- Built-in shock/tilt/motion sensor
- Built-in back-up battery
- Built-in USB interface
- Two power-saving modes

*Option to add remote engine start

868 MHz
128 Bit encryption
3D accelerometer
microUSB
IP54

Base unit
LCD remote control D-010
Blocking relay
Piezo-siren PS-330

Pandora
Mini Moto

MODERN MOTORCYCLE SECURITY-SERVICE SYSTEM

A fully hands-free security system with an encrypted Bluetooth 5.0 interface which allows to implement immobiliser and anti-hi-jack functions, connect additional wireless sensors and blocking relays. Use a compact tag or a smartphone as an authorization device, or choose an optional wearable wrist bracelet such as Pandora BAND to control the security system. Current motorcycle state is available in a modern mobile application in a coverage zone of the Bluetooth connection.

- Mobile app Pandora Connect
- Dialog dynamic code
- Bluetooth 5.0
- Built-in shock/tilt/motion sensor
- Built-in USB interface
- Two power-saving modes

2.4 GHz (BT 5.0)
128 Bit encryption
3D accelerometer
microUSB
IP54

Base unit
Radio tag BT-780
Blocking relay
Piezo-siren PS-330
Personal card with a secret PIN code
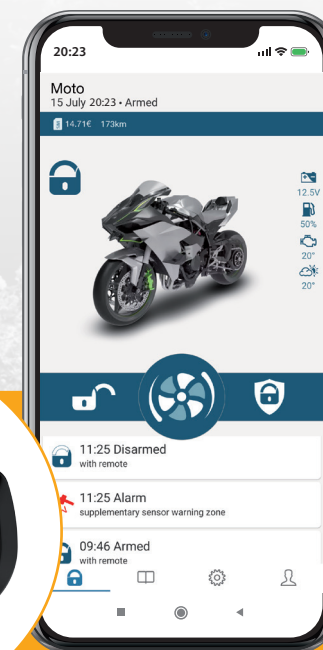
Pandora
Moto Evo

PREMIUM, NEXT GENERATION TELEMETRIC & SECURITY-SERVICE SYSTEM FOR MOTORCYCLES

Moto Evo

The perfect security-telemetric system for motorcycles with a high-speed 4G GSM modem, precise GPS/GLONASS receiver, Bluetooth 5.0 and Li-Po back-up battery gathered in a compact waterproof case. Moto Evo has a rich set of modern wireless accessories for the rider's convenience and reliable protection. The modern Pandora Connect mobile application with 3D user-friendly interface provides current status information, event history, route tracking and GPS location. System consumes only a few milliamperes in the full-operation mode, allowing a motorcycle to stand for **a** long time without the system draining the battery

- Internet service PANDORA-ON.COM
- Mobile app Pandora Connect
- Dialog dynamic code
- Bluetooth 5.0
- Built-in shock/tilt/motion sensor
- «Anchor» security algorithm
- Built-in GPS/GLONASS receiver
- Built-in USB interface
- Built-in back-up battery

4G LTE
GPS/GLONASS
2.4 GHz (BT 5.0)
128 Bit encryption
3D accelerometer
Li-Po
microUSB
IP54

Base unit
Radio Tag BT780
Remote control R468BT
Blocking relay
Piezo siren PS-330 v2
Personal card with a secret PIN code

Motorhome alarm systems

New telemetric service-security systems for motorhomes and caravans. Systems are built to satisfy the requirements of recreational vehicles at all times, even when people are sleeping inside. They have unique door and window sensors, low power consumption, adapted security algorithms, **plus** special inputs for camper specific sensors.
We accomplished the goal of creating the most advanced motorhome specific security system available, allowing you enjoy your vacation comfortable and safe.

Pandora
Camper v3

TELEMETRIC SECURITY AND SERVICE SYSTEMS FOR MOTORHOMES

Pandora Camper is the first security telemetric system designed specially for recreational vehicles. We have applied our experience and modern technologies, developed unique wireless sensors that can detect any attempt to enter your motorhome through windows, doors, hatches or other weak points. The system is user friendly and has a large number of comfortable functions for pleasant trips. For night time we have made a special «Stay Home» mode, what allows you to move freely inside, while the outside perimeter is reliably protected.

- Internet service PANDORA-ON.COM
- Mobile app Pandora Connect
- Control by remotes
- Control by smartphone
- Control by original key (Slave-mode)
- Hands free mode
- Automatic owner authorization
- «StayHome» mode
- Wireless sensors for doors, windows, sunroofs
- Up to 10 wireless DMS sensors
- Individually configurable security zones for DMS sensors with a 3D visualization in the App (doors, windows, sunroofs, trunks, bicycles)
- Visualization of service information (battery voltage, camper battery voltage, fuel level, temperature, mileage, etc.)
- GPS position and tracking function
- Smart remote engine start
- Control over heaters
- «Anchor» security algorithm
- Code Immobiliser
- Immobiliser and Anti-Hi-Jack functions

2.4 GHz (BT 5.0)
LBS/LTE/3G/GPRS
nano-SIM
GPS/GLONASS
3D accelerometer
2xCAN/LIN IMMO-KEY
type-C USB

Base unit
Radio tag BT-780
Remote control R468BT
Blocking relay
Two door sensors DMS-100 BT
Piezo siren PS-330
Personal card with a secret PIN code

Pandora
Camper Pro v2

PREMIUM, NEXT GENERATION TELEMETRIC SECURITY AND SERVICE SYSTEMS FOR MOTORHOMES

For those who need more than the best. The Pandora Camper Pro was designed to satisfy the most demanding customer requirements. We have improved the security level by using additional sensors, implementing Active security and Anchor functions, based on an ultra-high speed 4G LTE modem. The Base unit has more connectors to expand service functions. Pandora Camper Pro has an integrated 868 MHz long-distance radio interface with LoRa modulation and a modern two-way remote control with high contrast OLED display with a proved operational distance up to 2 km even in large cities with high interference.

- Internet service PANDORA-ON.COM
- Mobile app Pandora Connect
- Control by remotes
- Control by smartphone
- Control by original key (Slave-mode)
- Hands free mode
- Automatic owner authorization
- «StayHome» mode
- Wireless sensors for doors, windows, sunroofs
- Up to 10 wireless DMS sensors
- Individually configurable security zones for DMS sensors with a 3D visualization in the App (doors, windows, sunroofs, trunks, bicycles)
- Visualization of service information (battery voltage, camper battery voltage, fuel level, temperature, mileage, etc.)
- GPS position and tracking function
- Smart remote engine start
- Control over heaters
- «Anchor» security algorithm
- Code Immobiliser
- Immobiliser and Anti-Hi-Jack functions

868 MHz (LoRa)
2.4 GHz (BT 5.0)
4G LTE/3G/GPRS
nano-SIM
GPS/GLONASS
3D accelerometer
2xCAN/LIN
IMMO-KEY
microUSB

Base unit
Two radio tags BT-770
LCD remote control D-043
RF-module DXL-470
Blocking relay
Five door sensors DMS-100 BT
Piezo siren PS-331 BT
Personal card with a secret PIN code

Truck alarm systems

The new telemetry-security system for maximum reliability and performance in the most difficult conditions for trucks, agricultural and construction vehicles with on-board voltage of 24V. Designed to ensure the highest level of protection of the vehicle and cargo it also provides complete information about the position and tracks, operation conditions, time, current fuel level, and average consumption, etc.

Pandora
Truck

THE MOST MODERN SECURITY-TELEMETRIC SYSTEM FOR TRUCKS

Pandora Truck is **a** unique and incredibly advanced security-telemetric system for vehicles with 24V on-board voltage. It is built on a new energy efficient platform and **incorporates a** super-fast modem which supports 2G/3G/4G(LTE) GSM networks, **ultra** modern GPS/Glonass receiver, new LBS-service and Bluetooth 5.0. The traditional CAN/LIN buses are supplemented by a RS-485 interface which allows **it** to work with multiple external sensors. An ergonomic remote control D-043T with a specific truck interface has a 868 MHz interface with LoRa modulation for an ultimate operation distance. Bluetooth 5.0 simplifies installation of the additional wireless sensors on a trailer's doors and lockers.

- Mobile app Pandora Connect
- Control by remotes
- Control by smartphone
- Built-in 4G interface
- Integrated GPS/GLONASS receiver
- 4 built-in powerful relays
- Dialogue AES encryption with 128-bit keys
- Energy efficiency

4G LTE/3G/2G
SIM-chip/nano-SIM
GPS/GLONASS
BT 5.0
868 MHz/LoRa
3D
microUSB
2xCAN
LIN
RS-485

Base unit
Two radio tags BT-780
LCD remote control D-043T
Piezo siren PS-330 24V
Personal card with a secret PIN code

Alarm systems for boats

Pandora is expanding the model range of alarms and is pleased to introduce a new direction - the security service systems for water crafts. Pandora Marine is designed for small crafts, such as boats, yachts, jet skis, which are really popular with many fans of active water recreation and fishing.

Pandora Marine is the most modern security systems from the technology leader, combining the most advanced technologies with adapted security algorithms and a convenient and informative mobile application with a boat skin and special security zones.

Pandora
Marine

THE MOST MODERN SECURITY SYSTEM FOR BOATS

The first security system designed for watercraft. It is equipped with most modern communication protocols with 4G LTE GSM modem, Bluetooth 5.0 and GPS/Glonass receiver. The system is easy to be installed and has all necessary security algorithms to protect craft on water and on the land.

- Mobile app Pandora Connect
- Control by remotes
- Control by smartphone
- Built-in 4G interface
- Integrated GPS/GLONASS receiver
- Dialogue AES encryption with 128-bit keys
- Energy efficiency

4G LTE/3G/2G
SIM-chip/nano-SIM
GPS/GLONASS
BT 5.0
3D
microUSB
LIN

Base unit
Two radio tags BT-780
Blocking relay
Piezo siren PS-331BT
One DMS-100BT
Personal card with a secret PIN code

Telemetry modules

These telemetry modules are used for cars and trucks, motorcycles, ATVs and also for heavy duty agricultural vehicles.

4G LTE

5.0

3D
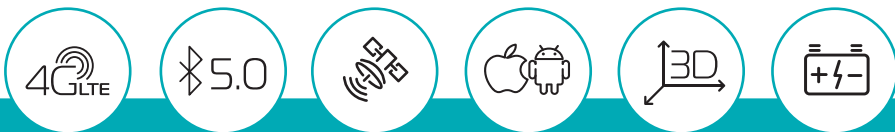
Pandora
Tracer

**IS A NEW GENERATION GPS TRACKER
WITH BUILT-IN SECURITY AND COMFORT FUNCTIONS**

- Online service and mobile application
- Precise GPS location and tracking
- SMS and PUSH notifications
- Vehicle movement control
- Digital control of the engine preheaters
- Alarm input
- Built-in back-up battery
- Immobiliser functions upgrade (optional)
- Multivoltage external power supply 12-24V
- Ultra-low power consumption
- Fast and easy configuration

A compact GPS tracker with autonomous beacon mode is a perfect solution for cars and trucks. It supports connection to the vehicles with 12/24 on-board voltage. TRACER is equipped with the 4G(LTE) modem (nano-SIM), precise GPS/Glonass receiver, Bluetooth 5.0 and built-in Li-Po battery. Control your vehicle using Pandora online services: pandora-on.com and mobile application Pandora Connect.
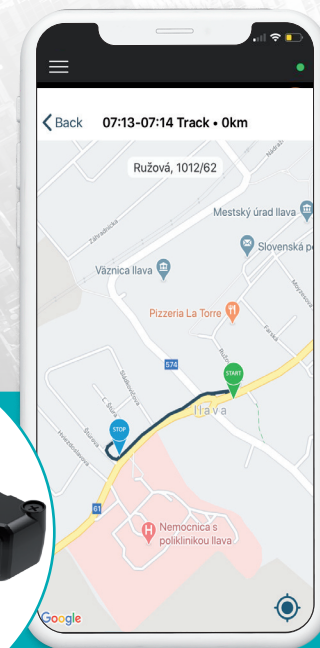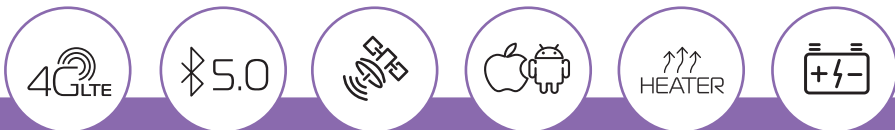
Pandora
Control

PROFESSIONAL HEATER CONTROL MODULE

The new professional Pandora Control module is a perfect solution for the comfortable control of the engine preheaters with outstanding functionality at ultimate speeds.

- Digital and analogue heater control
- Extended functionality for digital pre-heaters
- Control via online service and mobile application
- Precise GPS location and movement control
- Autonomous operation from the built-in battery
- Immobiliser functions upgrade (optional)
- Power supply from an external source 12-24V
- Ultra-low power consumption
- Fast and easy configuration
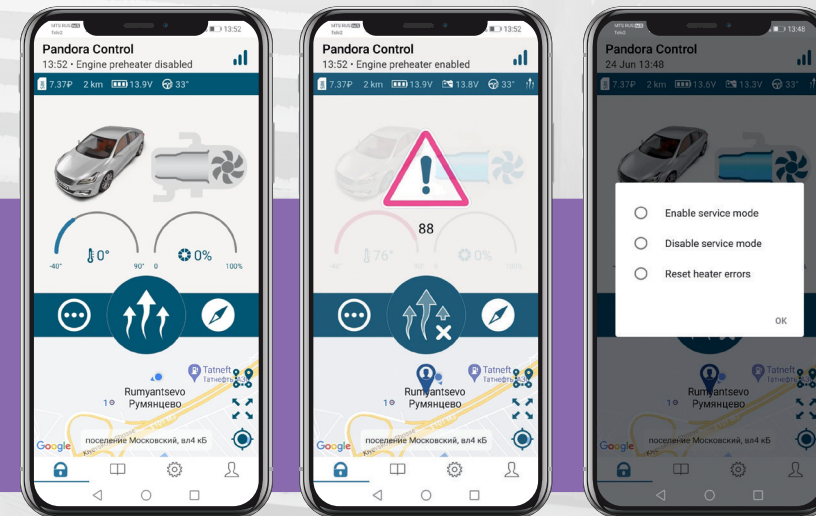
Pandora
NAV-X

THIS TELEMETRY MODULE IS DESIGNED TO EXPAND THE SERVICE
FUNCTIONS OF PANDORA SYSTEMS WITH BLUETOOTH INTERFACE

Add the following control and monitoring functions to the systems: Control over a system using a phone, voice and SMS notifications; functions of the internet service PANDORA-ON.COM and the mobile app Pandora Connect, storing event history on a remote server, receiving current coordinates by a phone request, current location and tracking of a vehicle, automatic date and time synchronization and all protected by 128 bit encryption. The Bluetooth 4.2 Low Energy interface provides a reliable communication between the module and a system base unit. An independent power supply will notify an owner if the power supply of a system or a vehicle is disconnected.

- Internet service
- Mobile app: Pandora Connect
- GPS or LBS coordinates detection
- Tracking mode
- Automatic date and time synchronization
- Voice and SMS notifications
- Notification on shutting off the system
- Miniature sizes
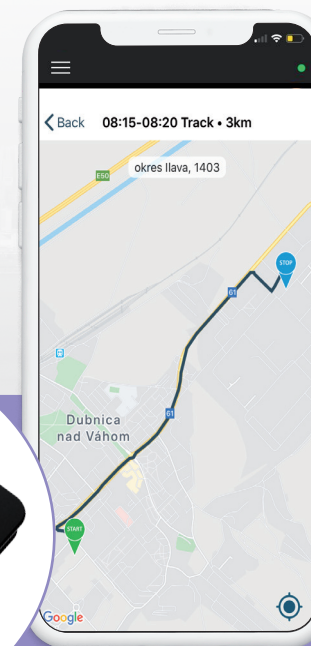
Service devices

High-quality tools and the most advanced multifunctional equipment will provide a convenient installation of security systems and additional devices.
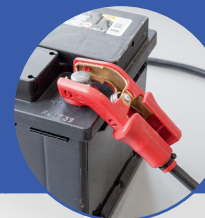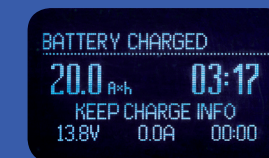
Pandora
Charger v2

BATTERY CHARGER

The Power Charger is designed to charge or recover most accumulator batteries that are used in cars and in everyday life. The charger can be used as a stabilized power supply.

The charger has a Bluetooth 4.2 interface that allows pairing with an Android smartphone. You can manage and configure all parameters of the charger using our mobile app. There is an advanced settings menu for professional configuration. All configurations are stored in the history.

THREE OPERATING MODES
for battery charge
battery type: acid, gel, AGM, MF
battery cappacity: 12-200 Ah
charge voltage: 10-15 V
charge type: usual, assimetric impulse
modes: precharge, charge, maintenance Booster
for stabilized power supply
output voltage: 12.2-13.4V
maximum current (limited): 50 A
BAT.TEST training mode battery health check
pre-charge/discharge/final charge
remaining cappacity check
max. discharge current: 5 A

INNOVATIVE CLAMPS
The device is equipped with a reliable and convenient clamps, designed and produced by Pandora, to connect to battery terminals of any type. Charging and measuring cables are 2,2 meters long

Mounting kit Pandora Pro

MULTIPURPOSE CAR TESTER

The Pandora Pro kit is designed to simplify the work of auto electricians and security technicians. The kit includes: tools for removing the plastic parts of the interior and a multipurpose car tester Pandora ALT-205. Pandora ALT-205 design and circuitry are produced to exclude a risk of damage to the car electrics when diagnosing and searching for the required signal circuits. The ergonomic body of the device allows the user to easily find needed signals in actual auto electrician working conditions, during the installation of service-security systems and additional devices.

Pandora ALT-205 probe tester - voltage measurement and indication with an accuracy of 0.5%, indication of maximum and minimum values, determination of the frequency and period of oscillation of pulse signals, recognition of digital buses up to 500kB/s, load simulation of 50 ohm and 1k ohm, sound and light indication.

- Working area illumination
- LCD display with illumination
- AAA battery
- MicroUSB socket for firmware update

CAN DETECT mode
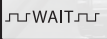This mode is used to detect most digital CAN and LIN-buses

CAN-bus – high level ◄	**CAN** Hi 5 V
CAN-bus – low level ◄	**CAN** Lo
Serial LIN-bus ◄	**LIN**
Signal is not detected ◄	**NONE**
Digital bus of unique format ◄	⎍⎍**?**⎍⎍
The device is preparing for digital buses detection ◄	⎍**WAIT**⎍
The device is ready for digital buses detection ◄	⎍**READY**⎍

03.67 v 13.62 v
12.24 v
Pandora ALT-205

Software

Pandora services and applications were created both for easy and convenient installation and configuration of the system by the installer and for comfortable use by the vehicle owner. The apps allow monitoring, adjustment of all Pandora systems and receive instant notifications (email, PUSH) via the Internet and Bluetooth connection about all the events that have occurred. Full fleet management functionality **is** also available through a desktop or laptop.

Pandora-on.com

THE MOST MODERN SERVICE FOR CAR CONTROL AND FLEET MANAGEMENT
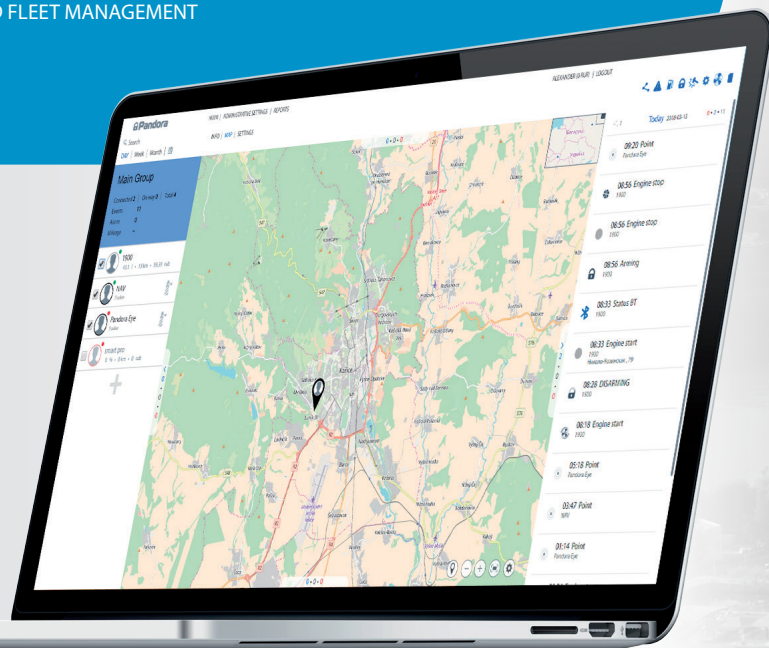
PANDORA-ON.COM allows you to control and monitor your car state and parameters. The secure online service, stores all events received and monitors the current state of the car in real time. Full access to tracking of your **vehicle** and the ability to arm/disarm the system, control remote engine start and engine preheater, generate reports and create your own rules for notifications. These functions are constantly expanding, with regular firmware updates!

FLEET MANAGEMENT
PANDORA-ON.COM allows real-time control of passenger vehicle/truck/van fleet. You can **monitor** the mileage and fuel consumption. Collect running hours for each vehicle or for a group of vehicles. This service allows you to flexibly adjust multiple rules: speed limits, geofences, etc. The service can generate more than 10 types of different reports for each vehicle or for a group of vehicles.

SHARP MANEUVERS DETECTION
Security service systems can detect 4 new events: sudden acceleration, sudden braking, sharp left turn, sharp right turn. This helps to detect aggressive driving of your vehicle.

Mobile apps

PANDORA CONNECT

Pandora Connect is a free, easy and convenient app. The app is specially designed to work with Pandora telemetry systems.

Pandora Connect features:
– Multiple cars under single account.
– Monitoring the current state of your car: statuses of all security zones and sensors, current fuel level (it depends on connections), engine temperature, car interior temperature, outside temperature (additional sensor is required), current car location (for systems with a GPS/GLONASS-receiver).

– Advanced control of a telemetry system: arming/disarming, «Active security», remote engine start/stop, control of Webasto/Eberspacher heaters, «Panic» mode, control of additional channels, remote trunk opening.
– History of events with coordinates, time and states of all security zones, sensors and other service information.
– History of driving, each track is accompanied by speed, duration and other information. You can use smart filters for track search.
– Remote configuration of the main system parameters: sensors sensitivity, automatic engine start and stop parameters, original and aftermarket engine heaters operation parameters. Settings of alarm, service and emergency notifications
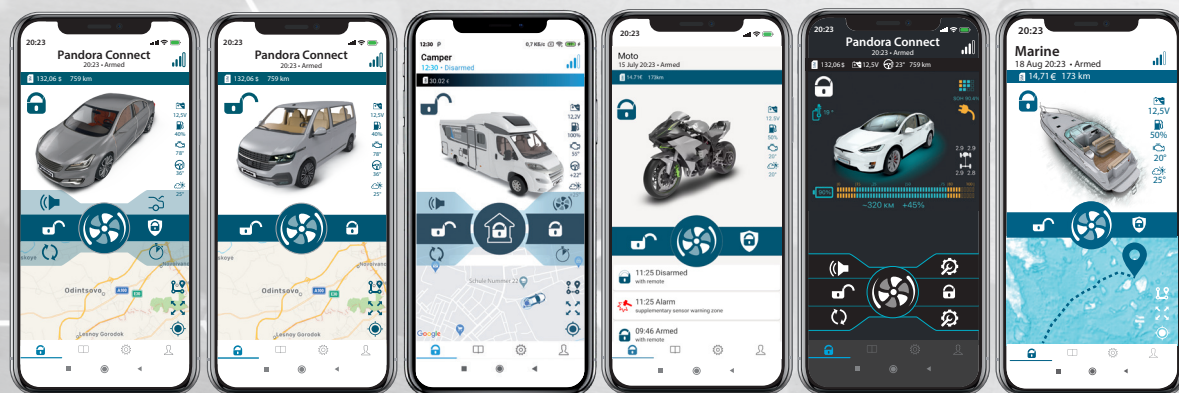
PANDORA BT
FOR BLUETOOTH SYSTEMS

Management and control at a distance of a Bluetooth connection, storing the history of events in the phone's memory, using the phone as a radio tag, advanced settings necessary for installing the system, updating the software of the base unit and Bluetooth peripherals, displaying the status of radio tags and radio relays.
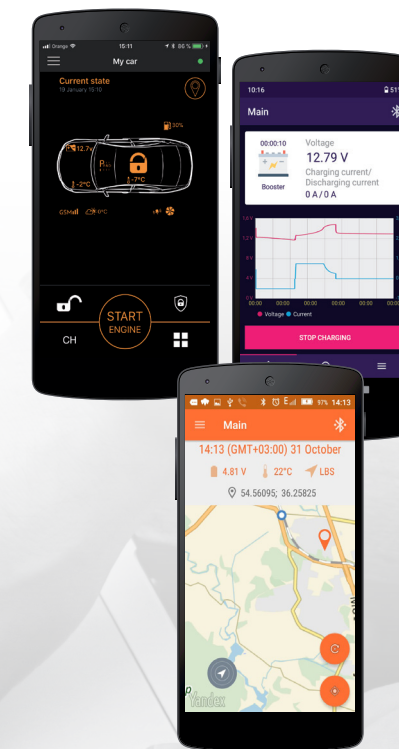
PANDORA NAV BT
FOR BLUETOOTH-traCKer

Management and control at a distance Bluetooth-connection. Quick setting, diagnostics and software updates.

PANDORA CHARGER
FOR CHARGER

Management and control at a distance of Bluetooth-connection. Management of charge modes, setting modes, saving history in the phone's memory, software update.

Setting and update software

PANDORA SPECIALIST
CONFIGURING SYSTEMS USING A SMARTPHONE AND TABLET

Pandora Specialist is a new app for the smartphones. With a user friendly interface and powerful functionality it significantly simplifies **the** installation process. Just choose the car model and follow the instructions, Pandora Specialist will gently guide you through the process and will make the system test in the end. A large number of a new features available only in the app:
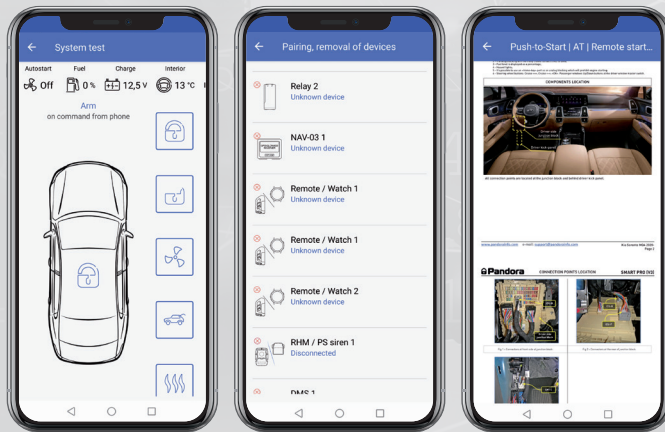

- Bluetooth or USB-OTG connection with a smartphone
- Connection to the system via the USB-OTG adapter
- Step-by-step installation using detailed schemes and ready presets
- Personal and Advanced settings
- Simple wire logic assignment by color
- Easy pairing and quick update of the Bluetooth accessories
- Step-by-step Immobiliser bypass learning procedure
- Automatic connection with «Pandora CLONE» server
- System and status check
- Automatic check and update of the system software
- Online chat and the possibility of making an app for communication with a technical specialist
- Actual news and updates
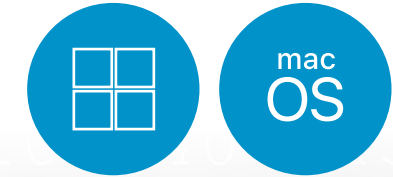
Accessories

A wide range of Pandora accessories and upgrades are available to expand and upgrade your Pandora system. Add additional security and service accessories to create the ultimate security package, tailored for you. Pandora accessories stand out due to their high build quality, ergonomics, intelligent algorithms, and energy efficiency.

Pandora
CAR ALARM SYSTEMS
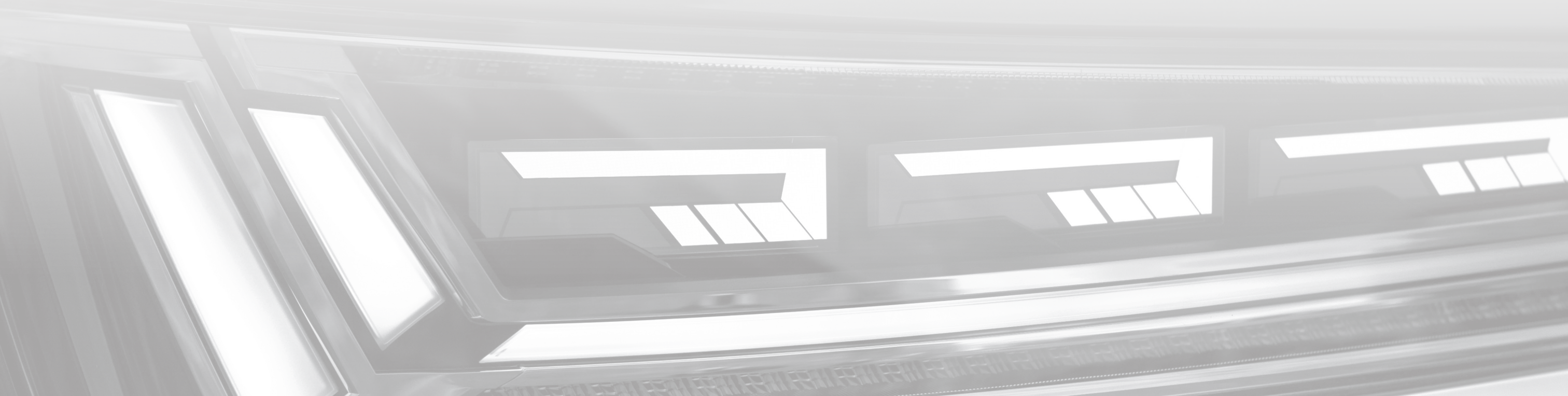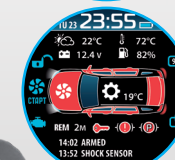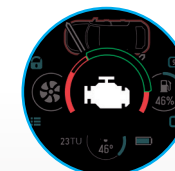
Pandora
Watch2

SMART WATCHES FOR SECURITY SYSTEMS

The new model of Smart-watches from Pandora have a unique, modern design and a titanium case, as well as state-of-the-art internals, equal to the world leaders in the mobile electronics market. This watch, of course features all the functions inherent in modern smart watches connected to smartphones, designed to conveniently control the modes of security-service and telemetry systems used by Pandora with a Bluetooth interface. This will be convenient for motorcycle owners or owners of cars that lead an active lifestyle. Pandora Watch2 combines the functions of a convenient and informative remote control car alarm and sports watch.

It has an extended battery life, while remaining constantly in touch with the car. A striking difference between our watches is the presence of our own operating system, which was created to be entirely bespoke for Pandora smart watches. By using our own operating system, we have further extended the battery life when compared to more common operating systems. The product is fully developed and manufactured in Russia. Not only the electronics, but also all metal and plastic parts of the case are made on-site in Kaluga, ensuring maximum quality control of each component responsible for overall reliability. Comfortable management and display of transport status is achieved using the new Bluetooth 5.0 protocol supporting simultaneous operation of the watch with a security system and a mobile app.

- Detailed display of the state of the car / motorcycle on a color display (1.34", 320x300)
- Remote control of the security mode and engine start
- Automatic control of security mode, Immobiliser and Anti-Hi-Jack
- Access to the history of events directly from the watch
- Display notifications coming to the smartphone (calls, SMS, Push, E-mail)
- Special interfaces for cars and motorcycles
- Automatic time synchronization through a security system or built-in GPS / GLONASS receiver
- Sound and vibration notification
- Sport modes (stopwatch / pedometer / timer)
- Impact material
- Waterproof microUSB connector
- Degree of protection IP67

5.0

3D

Pandora
Band

THE REMOTE CONTROL WHICH IS ALWAYS WITH YOU

The new Pandora Band wrist bracelet – a wearable device for managing Pandora security systems. This is a compact, waterproof capsule with a monochrome OLED display and convenient strap, that can be changed easily by mood or to match your vehicle's colour.
The bracelet is designed primarily for authorization of the owner using the fifth generation Bluetooth interface. In other words, this is a real immobiliser ID tag with a display, which is very convenient-your tag is always with you. A single control button will allow you to perform simple operations with your Pandora system, like, open/close vehicle. The display shows the current status of the system, time, charge level and a useful bonus – the pedomter, to count your daily steps.
Due to Bluetooth 5.0, the operating range of the bracelet is more than 30 meters, and the battery runs up to two weeks. Full charge through the microUSB port will take no more than 20 minutes. Pandora Band is always with you.

The new wrist wearable accessory designed to control and monitor system statuses over a Bluetooth connection. The Band can work as a remote control and an owner authorization device (a radio tag) implementing functions of:
• Immobiliser
• Anti-Hi-Jack
• Hands-Free
• SLAVE-mode

Pandora
CAR ALARM SYSTEMS

t° sensor   Hood switch   CH18

Back-up battery

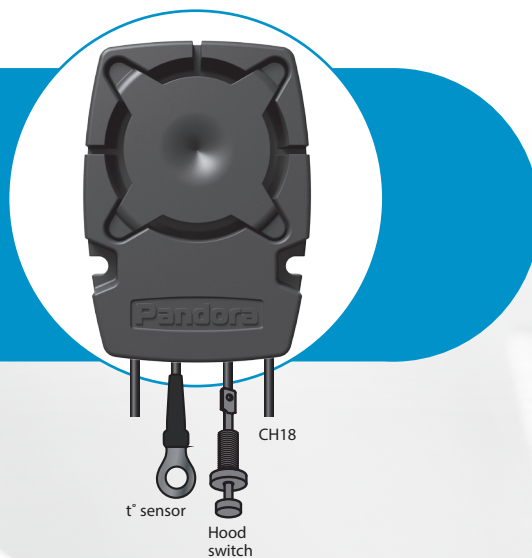2 Black — SUPPLY (-)
1 Red — SUPPLY(+12B)

PS-330

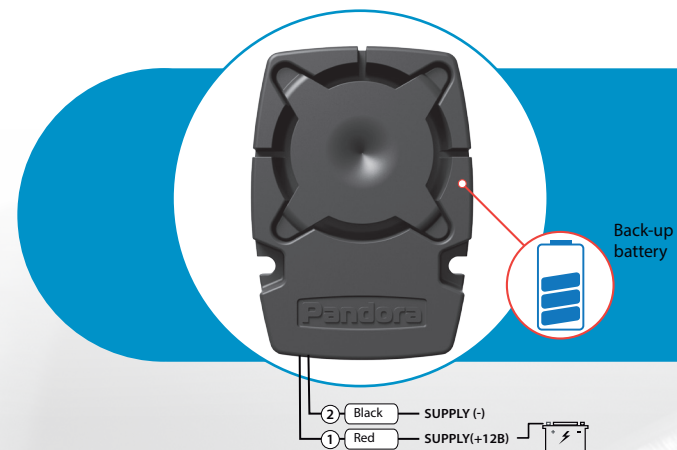SINGLE-TONE NON-AUTONOMOUS PIEZO SIREN

- Sound pressure 122 dB
- Current 200 mA, 12 V
- Operating voltage 5-15 V
- Waterproof case

PS-331 BT

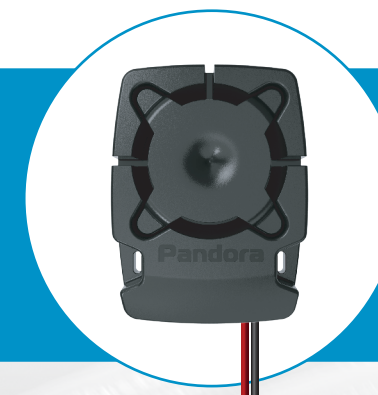BLUETOOTH SINGLE-TON NON-AUTONOMOUS PIEZO-SIREN

- Wireless Bluetooth connection with a base unit
- Hood input
- Additional output channel
- Engine temperature sensor
- Sound pressure 122 dB
- Operating voltage 5-15 V
- Waterproof case

PS-332 BT

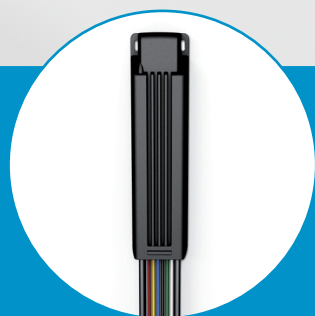BACK-UP BATTERY BLUETOOTH SINGLE-TONE AUTONOMOUS PIEZO-SIREN

- Wireless Bluetooth connection with a base unit
- Back-up battery
- Sound pressure 122 dB
- Operating voltage 5-15 V
- Waterproof case

PS-333

SINGLE-TONE NON-AUTONOMOUS PIEZO SIREN

- Sound pressure >95 dB
- Current consumption 300 mA
- Operating voltage 12 V
- Waterproof case

RMD-5M

RELAY MODULE FOR REMOTE ENGINE START

RMD-5M is a relay module designed to implement automatic and remote engine starts with Pandora car alarm systems. The module has small case that is convenient to place anywhere in a car. RMD-5M provides a possibility to connect to power lines of a car (up to 20 A).

Bypass module for BMW

BYPASS MODULE

The BMW Bypass module is designed to control engine starts of BMW/MINI cars with a START/STOP button and a slot for an original key. The module is installed with Pandora systems and controlled by an IMMO-KEY port.
The module has a «pin-to-pin» connection with original connectors of the cars. The module can be used with BMW E-class and MINI cars with the CAS3 control access system.

DI-02 | 03

Immobiliser BYPASS MODULE

Modules DI-02 | DI-03 are designed to temporary switch most types of original transponder Immobiliser of modern cars (RFID-system) to provide system operation of automatic and remote engine start. Two antennas are included in the set, which allows the modules to work with the most modern transponder Immobilisers.
DI-03 is controlled only by a special code channel and has a 3.3 V power supply for cars with Start/Stop button, Keyless and Smart Entry systems.

DI-04 BT

BLUETOOTH Immobiliser BYPASS MODULE

The module is designed for use in cars where the bypass of the original **immobiliser is not yet possible.** In fact, this is a Bluetooth extension module of six additional multifunctional time channels. One of these channels is a 3.3 V stabilizer for power supply of an original remote control. These channels can be used
to simulate pressing of original remote control buttons, Start/Stop buttons and break digital diagnostic buses. DI-04 BT is controlled via Bluetooth connection, it's **compact in** size and power consumption is 1.5 mA. All these features make the module the most convenient to use in the most complicated cars.

DXL-470

RF-MODULE

The RF module has only two wires connected to 12 V vehicle circuits while the Bluetooth connection provides communication with the base unit. The large antenna guarantees better reception and better synchronization when transmitting signals at 868 MHz with LoRa modulation. High location on a windshield will ensure better radio availability.

RHM-03 BT

RADIO HOOD MODULE

Integrated 2.4 GHz radio channel;
Control of a siren;
Hood switch input;
Digital interface for engine pre-heater control;
Control over the electromechanical hood lock;
Integrated accelerometer;
Independent blocking relay;
Separate control and power supply circuits.

⋔ Pandora
CAR ALARM SYSTEMS
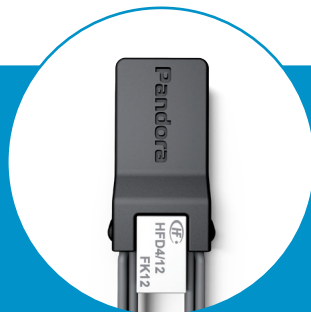
⋔ BT-01

MINIATURE BLOCKING RADIO RELAY

BT-01 is a miniature electromechanical relay designed to work with Pandora alarm systems. All control commands are programmed by the security system settings and transmitted over the radio using a protected Bluetooth protocol. The built-in relay has two full sets of contacts, which operate synchronously.

⋔ BT-02

BLUETOOTH MICRO RELAY

The Pandora BT-02 is a new compact micro relay with a built-in digital interface for managing the Webasto/ Eberspacher engine heater and two programmable inputs. The relay is fully controlled via a reliable wireless Bluetooth interface. A special electromechanical relay with two full groups of contacts that allow switching circuits with a load of up to 1 A.

⋔ BTR-101

MINIATURE BLOCKING RADIO RELAY

The blocking radio relays is an electronic device controlled by 2.4 GHz interface of Pandora Immobilisers and security systems without wires. Small sizes of the relays allow placement in the original wiring of a car. Blocking can be performed on unauthorized movement or on command from the Pandora system. Blocking radio relays incorporate an integrated accelerometer that allows blocking on unauthorized movement. This feature makes it possible to implement automatic and remote engine start and make the search of the relay more difficult for a thief.

⋔ NAV-035 BT

GPS/GLONASS RECEIVER

Pandora NAV-035 BT are high-sensitivity GPS/ GLONASS receivers that are designed to be used with Pandora service-security systems. Pandora NAV receivers have small sizes, low power consumption, high sensitivity, reduced time of coordinate determination and reliable tracking under conditions of a week or shaded GPS/GLONASS signal. The models differ in 2.4 GHz protocols.

⋔ PIR-100BT

WIRELESS MOVEMENT SENSOR

Wireless movement sensor PIR-100 BT is designed to recognize the thermal movement in the internal space of the protected object. Built-in 3D accelerometer detects shock and rotation to monitor the opening of doors, windows, and hatches that are located at a considerable distance from the base unit of the security system. The following zones can be monitored with this sensor: interior, camper living module, sunroof, coffer cover, trunk, trailer, case cover for carrying some valuables and so on. PIR-100BT is compatible with Bluetooth systems.

⋔ DMS-100 BT

WIRELESS DOOR SENSOR

Wireless door sensor DMS-100 is designed for the remote detection of shock and rotation, plus opening of a door that is located at a considerable distance from the base of the security system. The following zones can be monitored with this sensor: sunroof, coffer cover, trunk, trailer, case cover for carrying some valuables and so on. The Sensor's operation is based on using a 3-coordinate accelerometer that allows detecting rotations, shocks and door motions, and on using a magnetic pair (hall sensor) for reliable detection of door opening/closing. DMS-100 BT is compatible with Bluetooth systems and has an integrated temperature sensor.

Technical features

In this section you will find comparison tables of technical features of Pandora systems and information on the compatibility of remote controls and radio tags.

Comparison table of Pandora systems

System	Internet server, mobile app	GSM interface	RF interface	Digital interface	Remote engine start	Digital control over engine pre-heater		Built-in Immobiliser bypass	Radio tags	Remote control	Positioning	Owner security	Settings ON THE GO
Elite v2	pandora-on.com, Pandora Connect	4G/3G/2G	868.0 MHz, Bluetooth 5.0	3xCAN/2xLIN/IMMO-KEY	+	CAN/LIN		+	2 up to 3	D-043	LBS, built-in GPS/GLONASS receiver	SOS button (RF-module)	Pandora Specialist
Professional v3	pandora-on.com, Pandora Connect	4G/3G/2G	868.0 MHz, Bluetooth 5.0	2CAN/LIN/IMMO-KEY	+	CAN/LIN		+	2 up to 3	D-027	LBS, built-in GPS/GLONASS receiver		Pandora Specialist
Smart Pro v3	pandora-on.com, Pandora Connect	4G/3G/2G	Bluetooth 5.0	2xCAN/IMMO-KEY	+	CAN/LIN		+	2 up to 3	optional RF-module or Bluetooth remotes	LBS, built-in GPS/GLONASS receiver		Pandora Specialist
Smart v3	pandora-on.com, Pandora Connect	4G/3G	Bluetooth 4.2	2xCAN/LIN/IMMO-KEY	+	CAN/LIN		+	2 up to 3	optional Bluetooth remote	LBS, built-in GPS/GLONASS receiver		Pandora Specialist
Mini v4	Pandora BT, Pandora Connect	option*	Bluetooth 5.0	2xCAN		CAN			2 up to 3	optional RF-module or Bluetooth remotes	option*		Pandora Specialist
Light Pro v2	Pandora BT, Pandora Connect	option*	868.0 MHz, Bluetooth 5.0	2xCAN/LIN/IMMO-KEY	+	CAN/LIN		+	1 up to 3	D-022	option*		Pandora Specialist
Light v3			868.0 MHz	2xCAN/LIN/IMMO-KEY	+	CAN/LIN		+		D-010/R387			Pandora Specialist (usb only)

* with NAV-X telemetry module

Comparison table of Pandora systems

System	Internet server, mobile app	GSM interface	RF interface	Digital interface	Remote engine start	Digital control over engine pre-heater		Built-in Immobiliser bypass	Radio tags	Remote control	Positioning	Owner security	Settings ON THE GO
Moto			868.0 MHz		+					D-010 Moto			Pandora Specialist (USB only)
Mini Moto	Pandora BT, Pandora Connect		Bluetooth 5.0	CAN					1 up to 3				Pandora Specialist
Moto Evo	Pandora BT, Pandora Connect	4G/3G/2G	Bluetooth 5.0	CAN	*				1 up to 3	Pandora Band	LBS, built-in GPS/GLONASS receiver		Pandora Specialist
Camper v3	pandora-on.com, Pandora Connect	4G/3G/2G	Bluetooth 5.0	2xCAN/IMMO-KEY	+	CAN/LIN		+	1 up to 3	Bluetooth remote	LBS, built-in GPS/GLONASS receiver		Pandora Specialist
Camper Pro v2	pandora-on.com, Pandora Connect	4G/3G/2G	868.0 MHz, Bluetooth 5.0	3xCAN/2xLIN/IMMO-KEY	+	CAN/LIN		+	2 up to 3	D-043 Camper	LBS, built-in GPS/GLONASS receiver	SOS button (RF-module)	Pandora Specialist
Truck	pandora-on.com, Pandora Connect	4G/3G/2G	868.0 MHz, Bluetooth 5.0	2xCAN/LIN/RS-485	+	CAN/LIN			1 up to 3	D-043T	LBS, built-in GPS/GLONASS receiver		Pandora Specialist
Marine	pandora-on.com, Pandora Connect	4G/2G				LIN					LBS, built-in GPS/GLONASS receiver		Pandora Specialist
Tracer	pandora-on.com, Pandora Connect	4G	Bluetooth 5.0	LIN	—	LIN		—	up to 3	—	LBS, built-in GPS/GLONASS receiver	—	Pandora NAV BT
Control	pandora-on.com, Pandora Connect	4G	Bluetooth 5.0	LIN	—	LIN extended		—	up to 3	—	LBS, built-in GPS/GLONASS receiver	—	Pandora NAV BT

Compatibility of remote controls, radio tags and Pandora systems

R-468BT

TWO-WAY REMOTE CONTROL

The new remote control with three control buttons, protected Bluetooth 4.2 interface, status LED and beeper.
Compatibility:
Pandora Elite, Pandora Smart Pro, Pandora Smart, Pandora Mini, Pandora Light Pro, Pandora Camper, Pandora Camper Pro

D-010 / D-010 moto

TWO-WAY REMOTE CONTROL

Remote control with OLED display
three control buttons, protected 868 MHz radio interface
Compatibility:
D-010 (Light v3)
D-010 moto: Pandora Moto

D-022 LoRa

TWO-WAY REMOTE CONTROL

Remote control with OLED display, three control buttons, protected 868 MHz radio interface, Li-Po battery and USB port
Compatibility:
Light Pro

D-027 LoRa

TWO-WAY REMOTE CONTROL

Remote control with OLED display, three control buttons, protected 868 MHz radio interface and AAA battery
Compatibility:
Professional

D-043 / D-043T / D-043 Camper

TWO-WAY REMOTE CONTROL

Remote control with an OLED display, three control buttons, a protected 868 MHz radio interface, Bluetooth 4.2, a Li-Po battery and a USB port.
Compatibility:
D-043: Pandora Elite, Pandora Smart Pro (with an additional RF-module)
D-043T: Pandora Truck
D-043 Camper: Pandora Camper (with an additional RF-module),
Pandora Camper Pro

BT-760 | BT-770 | BT-780

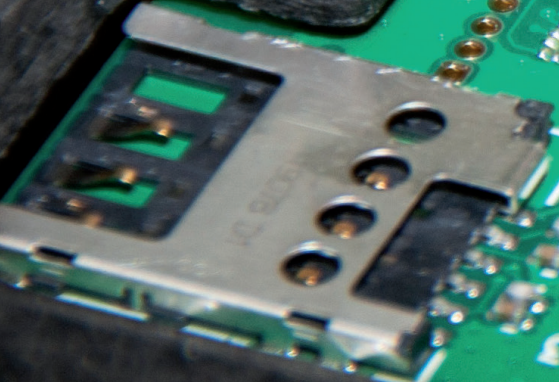Anti-Hi-Jack Bluetooth tag with a control button and built-in accelerometer

Compatibility:
Pandora Elite, Pandora Smart Pro, Pandora Smart, Pandora Mini, Pandora Light Pro, Pandora Smart Moto, Pandora Mini Moto, Pandora Immo, Pandora Finder, Pandora Camper, Pandora Camper Pro
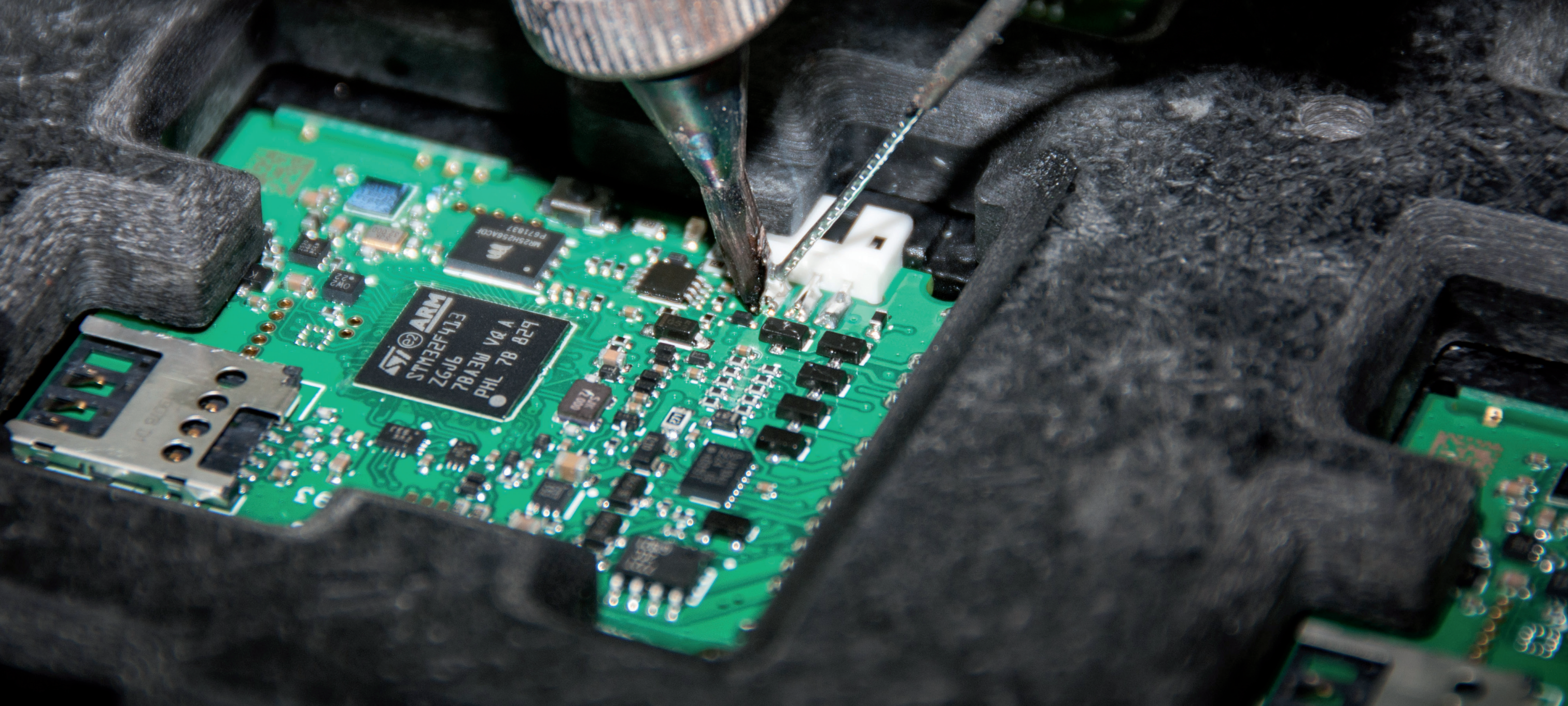
Our research and development department consists of the best engineers, programmers and designers Russian education has to offer. Both young and old generations combine traditional Russian security engineering with the latest cutting edge technology and development to draft ingenious electronic designs. Our production department and factory workers then turn these ideas in to reality.

The Pandora factory is a huge full-cycle production facility operating on specialised modern European and Japanese machinery ranging from **the** aluminum casting plant to surface-mounting and wave soldering lines. Quality control is performed at every stage to ensure that our products are reliable and ready for use.

We are constantly upgrading our product line to offer the most up-todate solutions on the market. We always use the latest components from the world's leading microelectronics manufacturers.

Pandora
CAR ALARM SYSTEMS
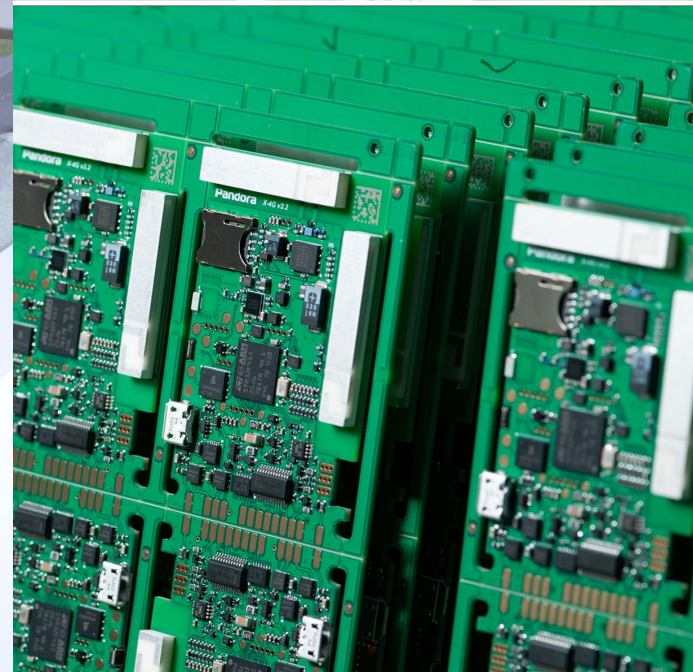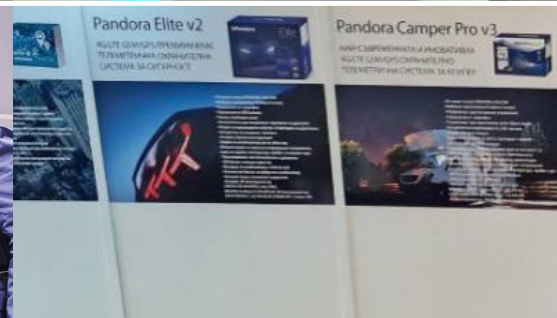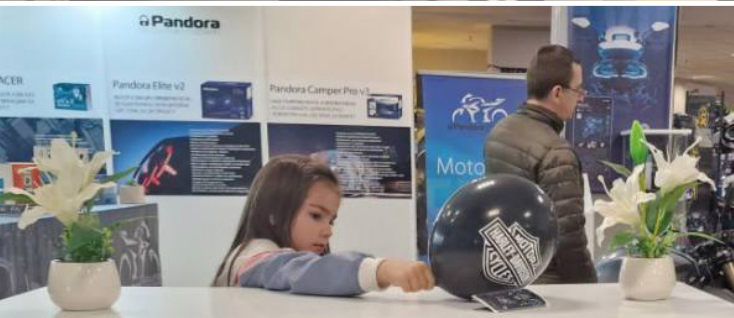
Manufacturer

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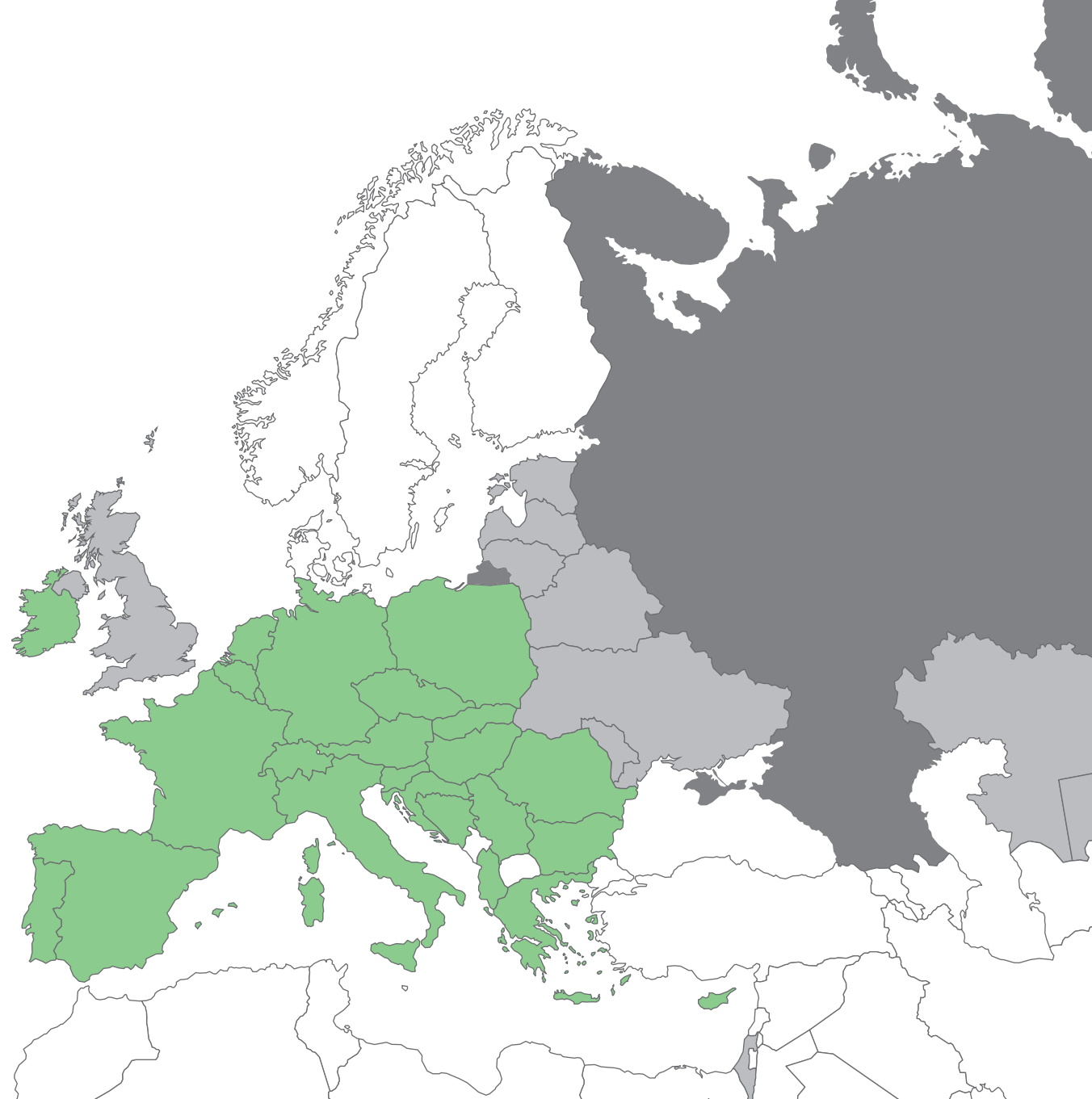
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