

### Siren PS-330

The most popular miniature waterproof piezo siren with outstanding sound pressure and energy efficiency characteristics perfectly fits to every vehicle.

### Siren PS-331BT

A compact wireless waterproof piezo siren with a secured Bluetooth interface, additional input for hood switch, output for analogue blocking and temperature sensor.

### Siren PS-332BT

A miniature wireless waterproof siren with a secured Bluetooth interface, Li-Po backup battery and extended temperature operating range.

### Siren PS-333

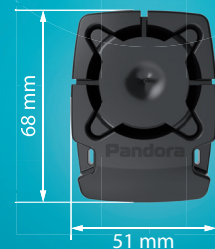
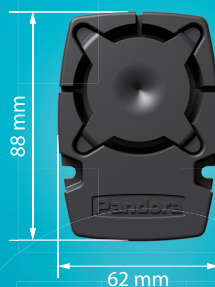
PS-333 is an ultra-compact, waterproof, light piezo siren. It has a great potential due to its weight and dimensions with a comparable to a bigger model characteristic. You can easily hide it almost everywhere in the car or motorbike.

### BTR-101

Radio relay BTR-101 is designed and produced using the latest element base. It communicates with control modules via Bluetooth 4.2 protocols. The device is equipped with a high-sensitivity accelerometer. The relay uses highly reliable motion detection algorithms to block the engine in any attempt to start moving. In the same time, it will allow the engine to work during remote start.

### BT-02

Small in size but very valuable Bluetooth radio relay is a real headache for hijackers. Discreetly hidden in the wiring harness, it reliably blocks low-current CAN-bus or sensor circuits, preventing unauthorized attempts to start an engine. The relay has 2 additional inputs and 1 universal output with the ability to control the engine heaters.



### DMS-100BT

DSM-100BT is a shock/rotation/tilt/motion sensor and a door opening detector (magnetic hall sensor) with a temperature sensor and autonomous power supply. It utilizes Bluetooth 4.2 protocol for communication with a car alarm. The following zones can be controlled with this sensor: a sunroof, a coffer cover, a trunk, a trailer, a case cover for carrying some valuables and so on.

### RI-01

This is a special electromechanical relay with two full groups of contacts that allow switching lines up to 1 A. Pandora RI-1 can be used for many tasks: blocking diagnostic CAN buses (against additional keys writing), low-current blocking of sensors and information buses, simulating button presses and breaking the CAN bus, which may be necessary when implementing remote engine start with the keyless bypass of original immobilisers.

### Pandora 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 allow pairing it with an Android smartphone. You can manage and configure all parameters of the charger using our mobile application. There is an advanced settings menu for professional configuration. All configurations are stored in the history.

### Tester ALT-205

Multifunctional auto electrician's device that was designed for modern car electrics. 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. Ergonomic body of the device allows to easily find needed signals in actual autoelectrician working conditions, during installation of service-security systems and additional devices.



### DMS-101 BT

The completely redesigned device retains all the outstanding features of the previous generation sensors. Implementation of the Bluetooth 5.0 has increased the operating range and minimized the influence of interference and other negative factors. It's designed for the detection of shock, motion, rotation, temperature determination at the opening elements which are located at a considerable distance from the base unit.

### PIR-100BT | 100BTM

The new sensor for reliable protection of the vehicle interior. This is an all-in-one solution, perfect for vans, campers and caravans. It allows to detect unauthorized penetration inside of the vehicle by detecting the movement inside of the protected area and also have the features of well-known DMS sensors – detecting of shock/motion/rotation.

### Pandora Band

A wearable wrist bracelet for managing Pandora security systems with Bluetooth 5.0 interface. A compact waterproof capsule with monochrome OLED display and single control button can be used as an owner authorization device showing actual vehicle state and performing simple control operations. Straps can be easily changed by your mood. Operation radius is more than 30 meters and the battery runs up to 2 weeks.

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**Pandora**  
CAR ALARM SYSTEMS

PRODUCT  
CATALOGUE

2024

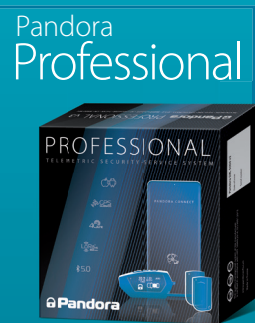




The Pandora Elite v2 is the most modern telemetric security system and a new technological leader of the car security market. The system is equipped with a new 4G modem, 2xSIM, Bluetooth 5.0 and 868 MHz LoRa modulation. The Pandora Elite has a new D-043 remote control with a large and bright LCD display and a built-in Li-Po battery. The 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.



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. 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.



It is a state-of-art security-telemetric system based on the most modern technological platform with immobiliser Bluetooth tags and the newest GSM modem for smartphone integration. 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.



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.



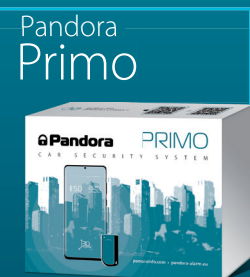
A contemporary two-way car security-service system with a LoRa modulation and increased technical specifications. The 868 MHz radio interface keeps a reliable connection with the LoRa remote control even at long distances. Built-in 2xCAN/LIN/Immo Key interfaces provide accurate information about vehicle's 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.



It 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.



The Pandora Primo 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.



Pandora Camper Pro in addition to a ultra high-speed 4G GSM modem system is equipped with a 868 MHz transceiver with LoRa modulation. This technology provides reliable connection in places without mobile network coverage. Ergonomic remote control with a large OLED display works at a distance up to 2 km, even in the cities with radio interference. System is equipped with a full set of necessary wireless sensors and accessories for reliable protection and comfortable use of your motorhome.



The third generation of the popular security-telemetric system Pandora Camper. It is a perfect solution both for traditional campers and recreation vehicles based on a van platform. Based on the most modern technological platform, the new base unit in combination with a new remote control provide outstanding level of reliability, safety and convenience. Instant alarm notification and current statuses are available worldwide in a free and modern mobile application. System functional is not limited and can be easily expanded by a large number of wireless accessories.



The perfect security-telemetric system for motorcycles and quads with a high-speed 4G GSM modem, precise GPS/GLONASS receiver, Bluetooth 5.0 and Li-Po back-up battery gathered in a compact case. Moto Evo has an optimized control and management algorithms 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 long time without the system draining the battery.



A fully hands-free security system with a Bluetooth 5.0 which allows to implement Immobiliser and Anti-Hi-Jack functions, connect wireless sensors and blocking relays. Use a compact tag or a smartphone as an authorization device, or choose an optional Pandora BAND to control the security system. Actual vehicle state is available in a mobile application Pandora Connect in a coverage zone of the Bluetooth connection.



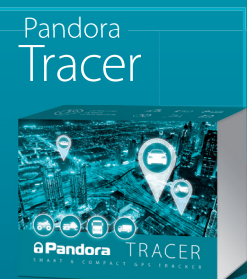
Pandora Truck is a unique and incredibly advanced security-telemetric system for vehicles with 24V on-board voltage. It is built on a new energy efficient platform and has super-fast modem which supports 2G/3G/4G(LTE) GSM networks, most modern GPS/Glonass receiver, top new LBS-service and Bluetooth 5.0. The traditional CAN/LIN buses are supplemented by a RS-485 interface which allows to work with multiple external sensors.



Pandora Immo is a two-component immobiliser with transponder that provides a unique combination of quality, ease of use and anti-theft efficiency. Executes engine blocking on car theft or carjack attempts. The system that is designed using high-efficient integrated solutions is convenient, reliable and easy to install. You can use your smartphone to adjust any settings via Bluetooth. Immo has the smallest BT tag among similar systems and the highest energy efficiency.



A miniature device is used to determine the coordinates and GPS tracking of the vehicles with a 12-24 on-board voltage. It has a modern 2G/3G/4G(LTE) modem with a nano-SIM slot, GPS/GLONASS receiver, Bluetooth 5.0 and backup Li-Po battery. GPS tracker is equipped with ignition input and universal output for managing blocking relays or engine preheaters (Webasto/Eberspacher) by the LIN-bus.



The new professional Pandora Control module is a perfect solution for the comfortable control of the engine preheaters with outstanding functional at the ultimate speeds. It monitors all the main statuses of the heater, including operation of the fuel pump, flame control, outgoing coolant temperature, power supply voltage and actual power level. It also performs a continuous diagnostic of the preheater not interfering any factory safety algorithms.

