

YOUR GUIDE TO PANDORA 5000 CAR SECURITY SYSTEM

Welcome to your guide
for Pandora car security systems.

This guide is mainly focused
on our flagman Pandora 5000
product line.



Alarmtrade would like to thank you for being interested in our products.

We work hard for you to feel the comfort of using our security systems.



CAR SECURITY SYSTEM FAQ

What is a car security system?

Car security system (or car alarm system) is a set of several small devices that are attached to the empty spaces within the hull of your car. They provide you with various additional service and security options regarding your car like remote control of the doors, enabling alarm siren when the car is being broken in and even remote blocking of the engine.

I have concerns regarding having a car security system.

No need to. It will not affect your car's performance. It will not disrupt any maintenance works (unless you forget to turn it off for the mechanics). The only possible legislation limit you may face is regarding remote engine start – the use of this function may be prohibited in your country. Otherwise, having an alarm system is totally legal in the eyes of the law and your car manufacturer. Insurance companies may even give you a discount if you have an alarm system on your car. The only downsides of having an alarm system are that you have to buy and install it; it's a win-win purchase.

Why is Pandora different?

This is a topic of this whole instruction. Pandora car security systems offer an unparalleled amount of service and security options. Monitor and control your car from any device or distance using GSM modem. Use remote and radio tag for closer-range convenience. Now you can even use our smart watch as a remote! And, above all, be sure that your security system cannot be hacked and will always try to prevent car theft.

Why do I need it?

For security reasons, of course! Having an alarm system is useful for both protecting your car and accessing various options from a distance, using a remote or online interface. Even if you are 100% sure that your car will not be stolen or robbed, a variety of convenience and service functions may still be valuable to you, for example an option to automatically disarm your security and unlock doors when you approach the car (hands-free function).

How is it installed?

As it was mentioned, devices are installed inside the car's hull and attached to power supply and car's electronics. It may be a tricky process to install a security system. We suggest that you ask a certified specialist to do it for you. However, if there are no specialists available, we add instructions and installation schemes in the box. We also provide a software tool for installation at our website named AlarmStudio. Any car mechanic should be able to help you using those tools.



A red sports car, likely a Ferrari, is shown from a low-angle, rear-quarter perspective, driving on a dirt road. The car's sleek design, including its rear wheel, taillight, and side mirror, is visible. The background shows a blurred landscape of trees and hills, suggesting motion. The text is overlaid on the left side of the image.

WHAT IS PANDORA 5000?

Pandora 5000 – hi-tech yet easy to use car security system with unparalleled level of protection

Pandora 5000 is a luxury-class security system with numerous advanced features of monitoring and control for your convenience

Pandora 5000 is a superb mean of providing security to you and your car

Pandora 5000 is easy to use – intuitive controls are at your fingertips on any touchscreen



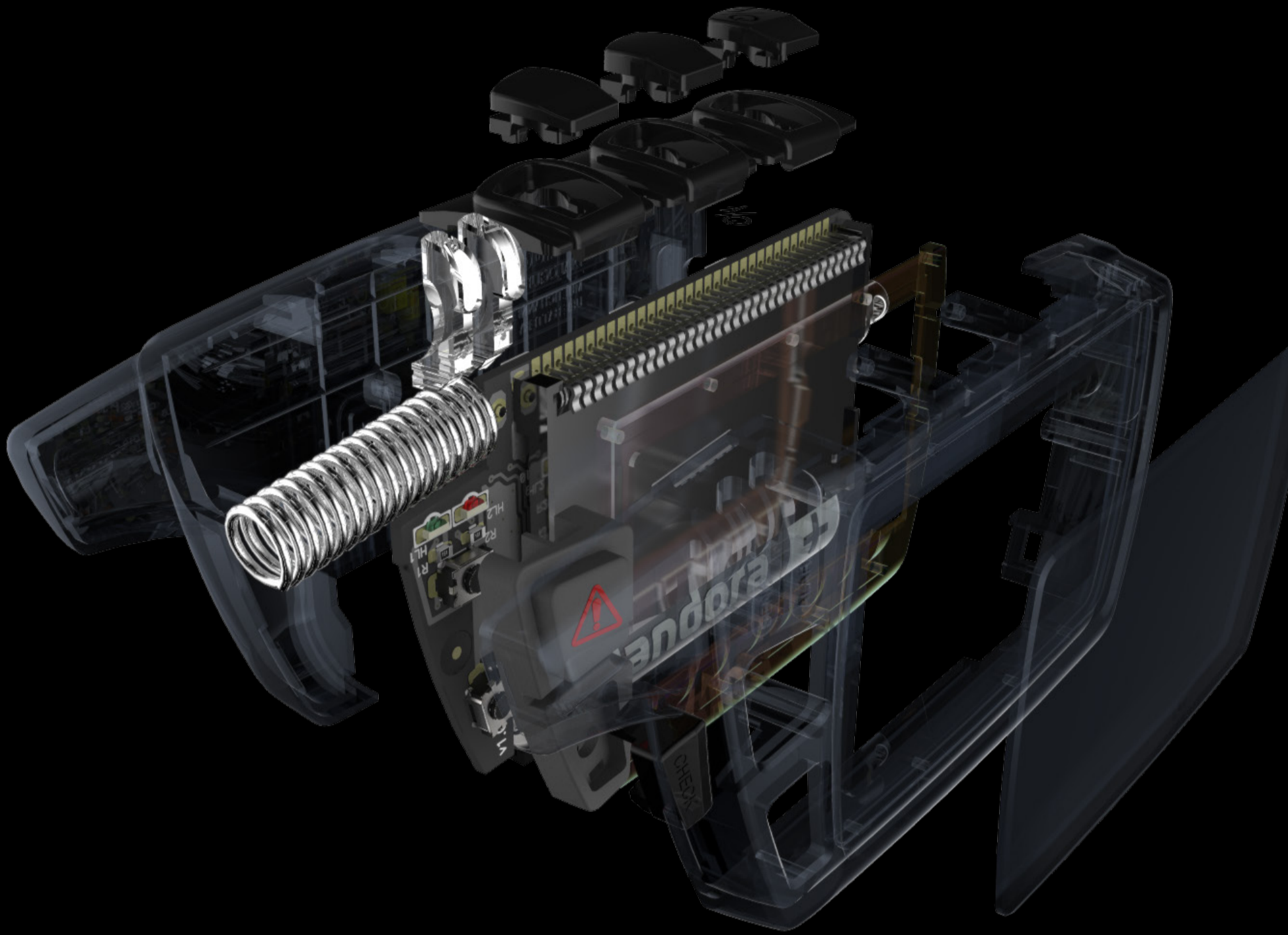
THE TECHNOLOGY

We use only the best available technology for our products: best polymers, best electronics, best programming and best design. Pandora 5000 car service and security system is as hi-tech as they get, yet easy to control.



TELEMETRY

Variety of different sensors together with diverse remote monitoring and control methods provide extensive information about wide range of parameters and complement towards multilayer security. You can always check your car's interior, exterior and engine temperature, battery level, fuel, etc. Shock and movement sensors will alert you if someone is around your car, while advanced tilt sensor will help determine if the car is being lifted.



UNIQUE ENGINEERING AND DESIGN

Developed and produced by a team of professional engineers and programmers, Pandora 5000 uses know-how solutions not found anywhere else. Russian engineering is mostly famous for its military successes, and military means security. Our team of developers dedicates their time to fighting all sorts of car security threats. Best technology is at your service!



MODERN PRODUCTIONS PROCESS

Best technology calls for even better production line. Our factory in European part of Russia, believe it or not, is one of the most advanced electronics factories in Europe. We use the newest equipment, produced by the world leading machinery manufacturers, which is maintained by the expert technicians.

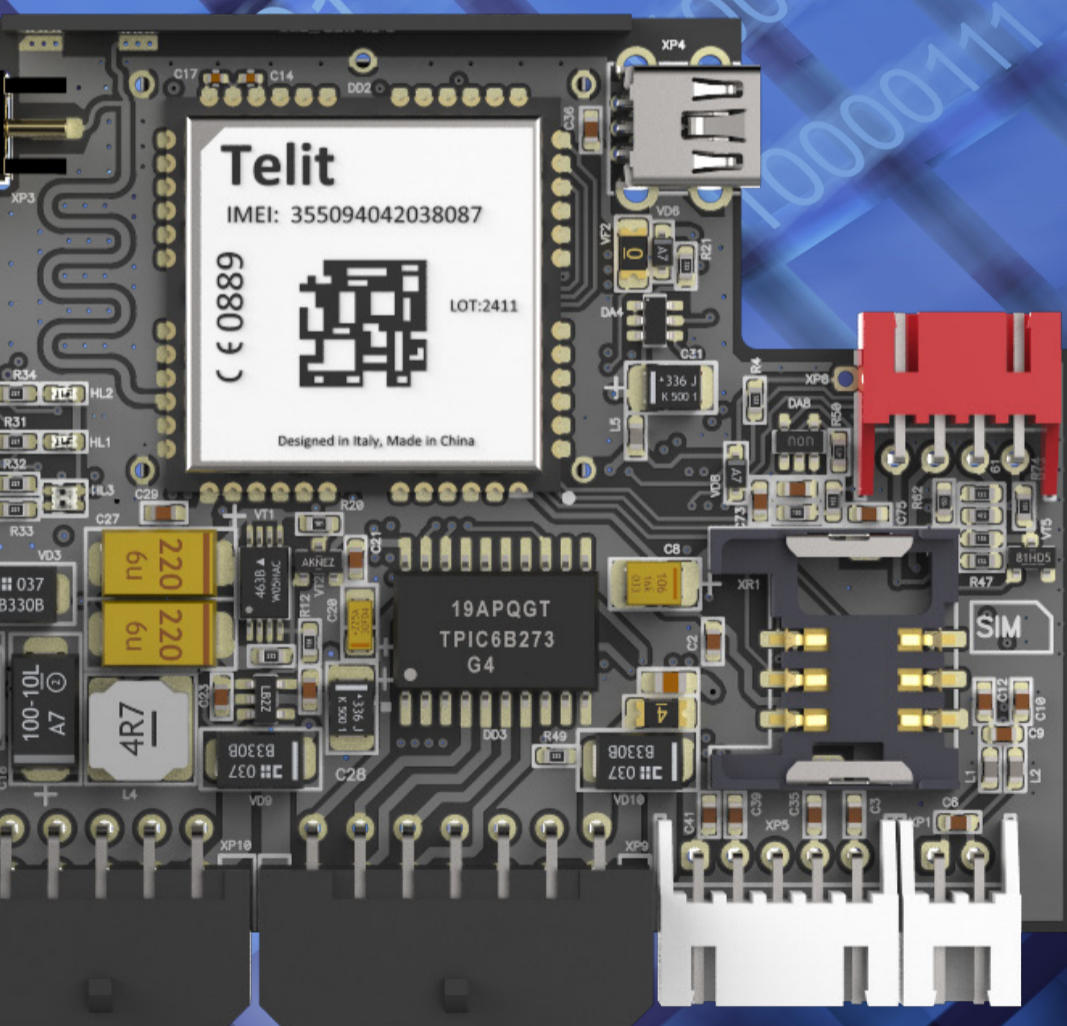
THE SECURITY: IT'S UNHACKABLE!

We never registered a single successful breach of our security with electronic means. Our system uses 2,4 GHz radio channel to transport messages encrypted with two-way dialogue codes with dynamic passwords and double encryption, while maintaining above average range (up to 1km within city) and reaction speed.

How it works:

- ➔ a remote on button press sends it's ID to the base module inside of your car where it is checked to see if It's a correct remote.
- ➔ if it is a correct remote, base module sends a dynamically generated encryption algorithm to the remote.
- ➔ the remote than encrypts a command using this algorithm and sends it to the base module for decryption and execution
- ➔ base module sends confirmation of execution to the remote (so it goes 'beep')

Our programmers ensure that it will take at least 20 years of electronic technology development until anyone (our programmers included!) will be able to break this encryption. This encrypting will always keep your car safe from hacking and remote cloning theft attempts. You are the only one who can control your car!





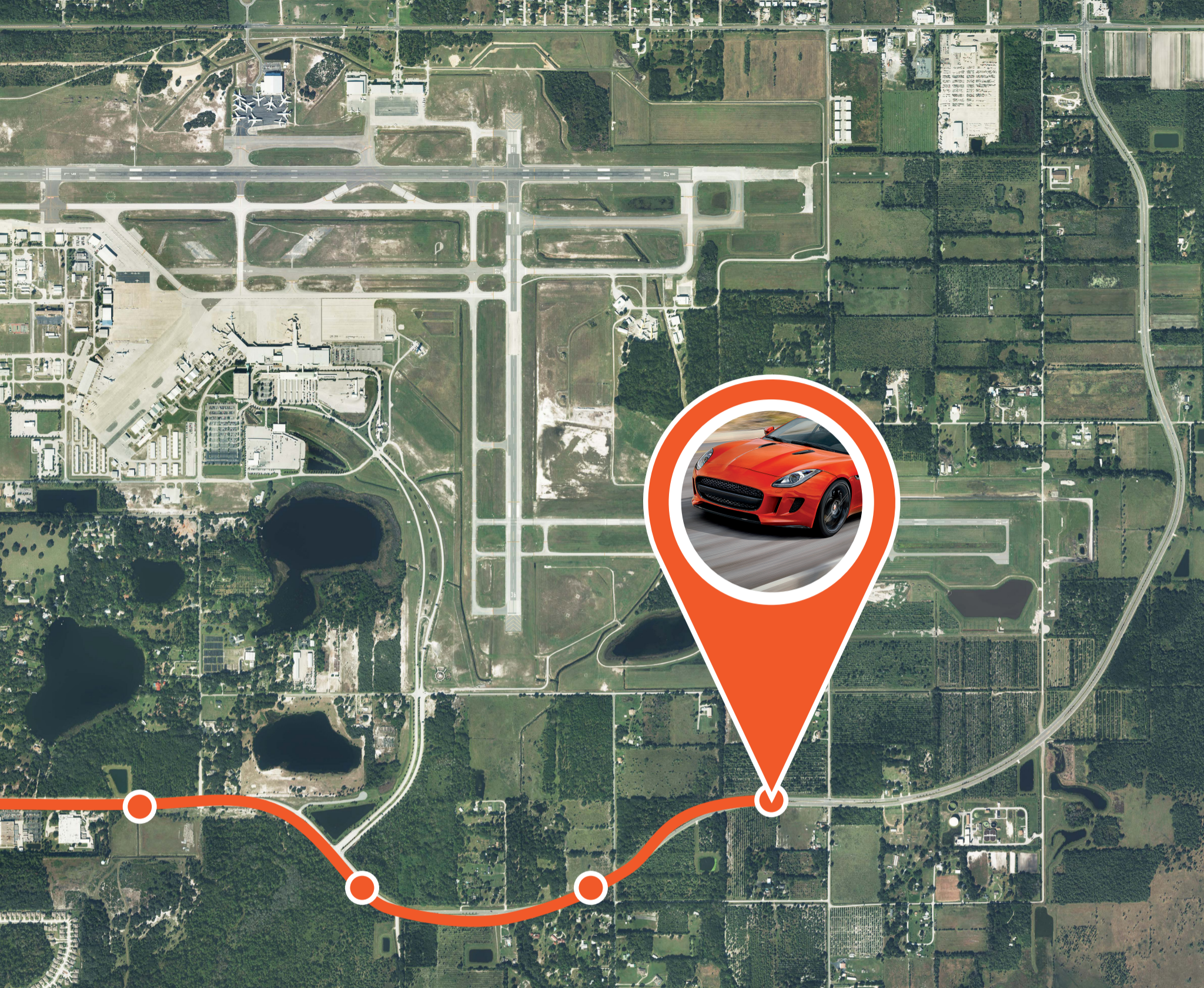
ACTIVE SECURITY

Active security mode is a unique feature that enables a car to constantly check in with the remote and online service via GSM network. Online service will instantly alert you if the connection is gone. This helps to prevent various events when your car's systems can be jammed – car theft or even legal towing.



PERSONAL SAFETY

Pandora 5000 has a SOS button on the remote that can be used in case of an emergency. Pressing this button will send out alert messages and your car's location to the phone numbers you've set up – relatives, friends, authorities. They will know you're in trouble and where to look for you.



GPS

The security system can be complemented with a GPS navigation device that will ensure that your car's coordinates are always accurate. It will increase your car's safety acting as an additional speed and position sensor. Without it, the coordinates will be determined using GSM modem.



MEANS OF CONTROL

Pandora 5000 security system can be controlled in one of many ways: via remotes, hands-free radio tags, phone calls, smartphone app or online service. Flexible control system adjusts to your preferences!

All means of control that involve a screen and even voice interface can access event history that holds more than 50 types of events. You will always know what happened to your car and the system.

Our mobile apps support iOS and Android and can be found for free in App Store and Google Play. The only thing you'll need to do is enter your login details (provided with a security system) and your smartphone turns into another remote.

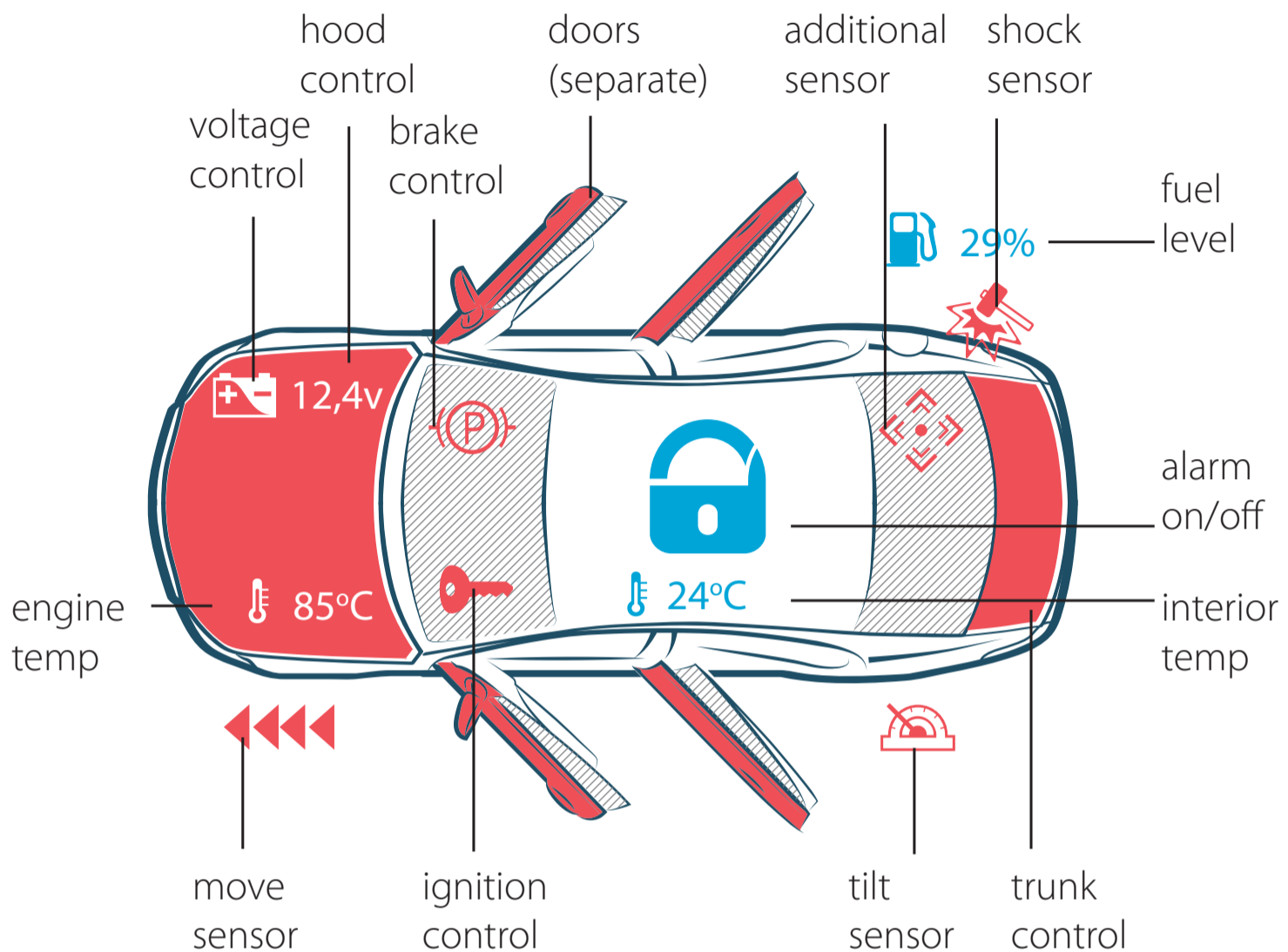
Using online service pro-p-on.ru you can not only monitor your car's position, speed, tracks, fuel, events, etc., but also track other Pandora devices. Add your other cars or get Pandora GPS tracker for your family members or animals and monitor them too!





TWO CAN

Double CAN integration allows for control over many built-in systems of the car and deeper integration of the system with the car's systems. It supports most cars and takes over individual features of built-in security and service components. Our system gets telemetry directly from your car's CAN-bus so it is always as accurate as on your dashboard.



MORE THAN 500 CONTROLLABLE PARAMETERS

Pandora 5000 delivers an unmatched level of control over its settings: expert users may adjust many parameters, like sensor warning levels, code immobilizer settings and advanced security modes. All of the above and many more can be controlled in your car's online service, adjusted via remote or even using mobile app (Android, iOS).



EVEN MORE OPTIONS

Pandora 5000 is designed for the user. It includes even more various options that were or were not mentioned above:

- Hands-free mode that automatically disarms and unlocks your car as you walk towards it (or vice versa).
- Interior microphone that allows you to listen to what happens inside your car (be it burglars or your wife)
- Automatic notifications that can be set up for any event will be sent to your phone via PUSH, text or phone calls.
- Control over engine heater and engine itself, including engine and heater start timers, remote start, turbo-timer and engine blocking.
- Control over trunk and door locks – an opening sequence can be programmed (i.e. first button press opens only driver's door)

Some of these options require tweaking made using online service or our installation software named AlarmStudio (see Useful Links).



INTO THE FUTURE

Using a combination of our security system, online service and phone support we are providing a conceptually new monitoring service called Pandora-SPUTNIK. It includes constant monitoring of your car's status by our operators with a number of emergency response options and benefits. However, right now it is only available on the territory of Russian Federation. We are looking into expanding its basic functionality to worldwide.

Our products and services are always improving in a way to benefit our clients. This company was founded on the belief that quality of products and services is the best way to successful enterprise and advancement in society and technology. By supporting us with your continued interest in our products you invest in technological progress, business ethic and free market values both inside and outside Russia. Thank you!



USEFUL LINKS

http://pandora5000.ru/en_US/
official Pandora 5000 English website

<http://www.alarmtrade.ru/>
official news website (Russian only)

<http://pro.p-on.ru/>
online monitoring service