

User Manual

CA-2103 Athos GSM / GPS car alarm



Control



Protection



Options

JABLOTRON
CREATING ALARMS

Dear User,

Thank you for purchasing the CA-2103 Athos car alarm. It is a modern security device.

You can control it with the original car remote controls, JABLOTRON remote controls, using the voice menu, SMS commands or through the user-friendly MyJABLOTRON application. The car alarm protects the car body (generally the doors, boot, bonnet), detects handling the ignition key and it can be supplemented with an array of wired and wireless detectors.

This makes the product suitable for a wide range of applications from a common family car, through to trucks, caravans and the protection of the car's surroundings such as e.g. a garage.

This manual will suggest how to control your car alarm and what you can expect from it.

To get more information about the characteristics of the car alarm and the exact scope of the installation (detectors used), contact your installation company or JABLOTRON support directly on support@jablotron.cz

We wish you to always find your car in order wherever you have parked it.

Your JABLOTRON

► Control

Using a remote control to control the car alarm	4
Control and administration through the MyJABLOTRON application	5
SMS command control	6
Voice menu control	8

► Protection

Alarm – attack on the car	9
Acoustic and optical indication	10
Other functions	11
Geofence, blocking, control of appliances, SINFO, GSM interference monitoring, vehicle voltage check	

► Options

Forwarding of unknown SMSes, roaming, driver's logbook, credit balance, Locator	13
Warranty terms	14
Support	15

Using a remote control

The car alarm can be either controlled with the original car remote control, or with a JABLOTRON remote control, or a combination of these methods. Follow the respective paragraph that corresponds to the installation type in your car.



a) Using the original car remote control

- ▶ **Setting** – the car alarm is set together with locking the vehicle.
- ▶ **Partial setting** – repeatedly press the lock key to partially set the car. In this mode, some wired and wireless detectors are not active. E.g. the car can be loaded onto a train or ferry without triggering a tilt alarm, or you can move inside a caravan. At the same time, the sensor of a vehicle voltage drop is not active. **Caution!** This function is not available in all vehicle types through the car remote control. In such a case it can be replaced by phone control (a smartphone app, ringing or SMS).
- ▶ **Unsetting** – the car alarm is unset together with unlocking the vehicle.

b) Using a JABLOTRON remote control

- ▶ **Setting** – press the  key on the remote control to set the car alarm. If the car alarm is interconnected with the central locking, the vehicle is locked at the same time.
- ▶ **Partial setting** – repeatedly press the  key (within 15 s of setting) to partially set the car alarm. In this mode, some wired and wireless detectors are not active. E.g. the car can be loaded onto a train or ferry without triggering a tilt alarm, or you can move inside a caravan. At the same time, the sensor of vehicle voltage dips is not active.
- ▶ **Unsetting** – use the  key on the remote control to unset the car alarm. If the car alarm is interconnected with the central locking, the vehicle is unlocked at the same time.

Control and administration through the MyJABLOTRON application



The MyJABLOTRON application represents a very user-friendly and simple control method. It is accessible for all customers that are registered in MyJABLOTRON. It is available both as a web and smartphone version.

After the login to the application the main menu is opened, displaying the current status of the car alarm and allowing you to control the system.

The MyJABLOTRON application also allows you to display the position of the car on a map, the history of events and to control optional appliances. The application can also contain an easy-to-use driver's logbook with vehicle monitoring.



SMS control and administration



SMS control is available from pre-registered phone numbers.
If the user code and a space are inserted before the command,
the car alarm can be controlled from any phone.

- ▶ The user code can consist of 4 to 10 characters (A to Z and 0 to 9), the default setting is 1111 (change after installation).
- ▶ To change the code, you must enter the original code and the new code twice with a space.
An example of setting the new user code petr73 is:
1111 UC petr73 petr73
- ▶ An example of the SMS command to check the car alarm status:
 - from a pre-registered phone number: STATUS
 - from a non-registered phone number: 1111 STATUS



Command SMS for car alarm control

- In SMS messages, small and capital letters are not distinguished, diacritic (accented) marks are not allowed.
- Request customized settings for the texts of command SMSes or texts of alarm messages from your service centre.

SMS command	Alarm functions
AM	Car alarm setting (with JABLOTRON remote control – car locking as well) ¹⁾
AM EXT	Partial setting (with JABLOTRON remote control – car locking as well) ¹⁾
DM	Car alarm unsetting (with JABLOTRON remote control – car unlocking as well) ¹⁾
IMO	Car blocking (permanent immobilization)
UNIMO	Car unblocking
STATUS	Requesting an SMS about the current status of the car alarm
GPS	Requesting the last established GPS position
LOCATOR	Requesting an SMS about the approximate position of the vehicle ^{1) 2)}
HELP	Requesting an SMS with help
SIREN	Starting the siren for 30 sec.
CREDIT	Checking the credit (with the use of a prepaid SIM card) ¹⁾
GEOFENCE ON/OFF	The unit sends/ does not send SMSes to specified numbers about leaving and returning to the preset zone. ^{1) 3)}

1) The function must be set by a service technician.

2) The service must be supported by the operator.

3) If you use the MyJABLOTRON application, set the Geofence function directly in the application.

Frequently crossing the zone edge influences the card's operational costs.

Voice menu control



The menu is accessible from the registered phone numbers that are saved in the car alarm. It can also be allowed from phone numbers that are not saved in the alarm, but before entering the menu the caller has to enter a password.

When the call is answered by the car alarm, the caller is informed about the system status. Then, options to use it are offered.

Voice menu structure

Main Menu

- 1 – Setting
- 2 – Partial setting
- 3 – Unsetting
- 4 – Blocking (see below)
- 5 – Unblocking
- 0 – More options

More options

- 1 – Sending an SMS with GPS coordinates
- 2 – Sending a status SMS
- 3 – Activation of the AUX A output
- 0 – Back to Main Menu

Alarm – attack on the car

In the case of a car attack - by activation of one of the inputs or detectors, the car alarm triggers an alarm. It is indicated acoustically by the siren for 30 seconds (optional). At the same time, the car alarm communicates via the GSM network.

The car alarm sends an SMS with the exact cause of the alarm to the registered phone number and it also informs these users with a phone call.

The alarm can be stopped with a remote control or SMS. During an ongoing alarm, control by the voice menu or from the application may be restricted due to outgoing communication.

A correct termination of an alarm is reported to registered users by means of an SMS.

The number of alarms triggered by an individual input is limited to a max. of three in one security cycle in the case of an input fault.



Protection by an Alarm Centre

The car alarm is able to communicate with an Alarm Receiving Centre. In such a case the vehicle is under supervision for 24 hours a day/7 days a week thanks to regular communication of the car alarm with the Alarm Receiving Centre. In the case of an alarm (but also another technological event, e.g. disconnection of the car battery), it is not only the user that is informed, but also the Alarm Receiving Centre, which organizes intervention immediately.

You will get more detailed information about Monitoring by an Alarm Receiving Centre from our regional distributor in your country.

Acoustic and optical indication



The car alarm informs the user about changes to the status or system problems (e.g. unavailability of the GSM network) acoustically by sounding the siren.

The acoustic signal confirming unsetting and setting is optional.

Indication of partial setting and error indication cannot be disabled.

Acoustic indication by the siren

The car alarm also indicates its status by the siren.

Sounding	Description
1 sound	setting the car alarm (optional)
2 continuous sounds	partial setting
2 separated sounds	unsetting (optional)
3 separated sounds	unsetting after an alarm
4 separated sounds	an active input on setting (optional)
6 continuous sounds	unavailability of the GSM network

Optical indication by the LED

The car alarm indicates its status with an LED indicator.

LED lamp	Description
flashes more quickly	logging into the GSM network is occurring or the GPS signal has been lost
flashes	indicating the set condition
flashes slowly	the unit indicates AUTOIMO
flashes SOS (...---...)	unit failure
lights permanently	drive detection indication (if activated)
lights for 20 sec. after setting	the exit delay is occurring
off	idle condition of the car alarm

Caution! If unavailability of the GSM network is indicated, the car alarm cannot communicate with the Alarm Receiving Centre or with the registered users!

Other functions

- ▶ **Geofence** – in the car alarm you can set the GEOFENCE function for the monitoring of leaving/entering a defined zone. We recommend you to entrust an installation company with setting up the service, or use the MyJABLOTRON application.
- ▶ **Blocking/unblocking** – the car alarm supports blocking a functional circuit of the vehicle, preventing its use (the function may not be supported in all vehicle types). This happens automatically after every setting or in the case of an alarm. You can also activate permanent blocking with an SMS, from the voice menu, or from the MyJABLOTRON application to prevent use of the vehicle even after proper unlocking. You can use this function e.g. after your car keys get stolen.
- ▶ **Control of appliances in the vehicle** – through an additional module the car alarm supports switching various appliances in the vehicle, e.g. supplementary heating. Appliances can be controlled by SMS, from the voice menu, or by the MyJABLOTRON application.



Control of appliances in the vehicle

Command	Status
AUXA or AUXB	The relay will close for 1 second
AUXA (B) ON	ON – permanent closing of the relay (1 can be used instead of ON)
AUXA (B) OFF	OFF – opening the relay (0 can be used instead of OFF)
AUXA (B) xxM	xxM – is the number of minutes for which the output relay should be closed
AUXA (B) xxS	xxS – is the number of seconds for which the output relay should be closed

The AUX text can be e.g. changed to HEATING text.

The maximum closing time is 60 minutes for all command types, including ON.

Other functions

- ▶ **SINFO** – this function gives registered users the option to be informed by SMS or voice calls about every start (setting in motion) of the vehicle.
- ▶ **GSM interference monitoring** – to protect the communication of the system the car alarm continuously checks the availability of the GSM network and its quality. If it detects interference with the network for more than 30 seconds in the set status, it will trigger an alarm. In the unset status it only informs about this event with an SMS. In both cases the information is transmitted to the registered phone numbers and possibly to the Alarm Receiving Centre.
- ▶ **Vehicle voltage checking** – in the set status the car alarm checks for dips in the car battery voltage (optional function). In the case of a dip an alarm is triggered. The alarm also checks slow decreasing of the voltage (e.g. due to lights being on) and voltage drops below the limit endangering protection of the vehicle, sending an SMS if needed. The car alarm also checks for and informs about complete disconnection of the car battery. In this case, the car alarm is supplied from its own backup power supply.



Supplementary information

- ▶ **Forwarding unknown SMSes** – the car alarm can forward unknown SMSes to registered users. Thus, they will receive messages that are delivered to the number of the SIM card in the car alarm, e.g. info from the operator.
- ▶ **Roaming** – during travels abroad the car alarm is fully functional if the SIM card has active roaming for voice calls and SMS enabled. To check the current status of the service, contact your mobile operator or service provider. The services of the MyJABLOTRON application are only active abroad with an enabled data roaming service.
- ▶ **Driver's logbook** – the car alarm can send on-line GPS positions. This allows you to check the movement of the vehicle in real time in the MyJABLOTRON application on a map background. Then, an easy-to-read driver's logbook is compiled from these data. For activation of the service and more detailed information, contact the installation company.



- ▶ **Credit balance** – if a prepaid card is used in the car alarm, at preset intervals the credit balance can be checked and you can get informed about a decrease under a set limit.
- ▶ **Locator** – some mobile operators support location within the GSM network. Thus, the car alarm can offer a backup location method in the case of GPS unavailability.

Warranty terms

The CA-2103 car alarm is exclusively designed for professional installation by a trained company. The manufacturer's warranty covers the entire product, not its installation.

The installation company is responsible for the installation.

The warranty does not cover batteries and devices supplied by other suppliers.

The manufacturer is not liable for damage caused by incorrect or unsuitable use of the product or for defects caused deliberately or by force majeure (fire, lightning strike, etc.).

The manufacturer recommends regular annual inspections for 100% functionality of the product. They can be ordered from the installation company.



Recommended inspection date	Inspection performed on

In case of problems

**Contact the company that installed the alarm.
It is generally able to give you the best advice.**



Installed by

Date

Phone

Valid certificate number



**Or you can directly contact the regional
distributor of JABLOTRON ALARMS
in your country.**





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