




The "Athos" CA-1802 and CA-1803BT car alarms

MODE 1

Thank you very much for buying our CA-1802 or CA-1803BT car alarm. Now you will always be able to find where you left your car. *Jablotron s.r.o.*

Controlling the car alarm by RC-8x remote control

- By pressing the  button you will arm the alarm and if central locking is installed it will also lock.
- If you re-press the  button (within 15 seconds after arming), **partial arming** occurs, confirmed acoustically. In this mode, the internal wireless detectors are not active, nor is the low voltage sensor. Also no voltage is supplied to external sensors.
- To rearm the car alarm, press the  button. This will also unlock the car if central locking has been installed.



Buttons ● and ○ can be used for remotely operating a gate, garage door etc. Please ask your installer for detailed information.

Remote control via a mobile phone

You can operate the car alarm by your mobile phone. The car alarm sends alarm messages to the phone and calls after an alarm has been triggered. You can send **SMS instructions** to the car alarm's phone number using an authorized mobile phone (see the table below).



In addition, the car alarm allows you remote control by **dialing-in from an authorized phone**³. You only have to dial the car alarm's phone number (while the ignition key is turned off). The car alarm will not answer the incoming call, but when it recognizes your number, it will change status (to armed or disarmed). Such remote control is free of charge since the call is not answered. *Status changes can be confirmed by SMS messages.*³

If you do not remember particular SMS instruction(s) you can ask for help by sending a HELP instruction.

SMS instruction texts

Default	Your self-defined text	Description
AM		Arm and lock the car
DM		Disarm and unlock the car
IMO		STOP (immobilize) the car (after turning the ignition key off)
UNIMO		Unblock (mobilize) the car
STATUS		The car alarm replies with status information, e.g. „car reports: Time: 27.01.04 13:04, Status: Armed, Unblocked, Ignition off“.
GPS		To obtain the car location via GPS ¹
LOCATOR		To obtain the car location from the GSM provider ^{2,3}
HELP		The car alarm will reply with a brief list of SMS instructions.
CREDIT		To obtain the balance of a prepaid SIM card, if used ³
AUX parameter		To operate appliances
UC xx...x		To change the user code (do this during installation). xxx...x is the new user code, 4 to 8 characters (A –Z & 0 – 9). The factory default user code is USER

- Only basic ASCII can be used in SMS instruction texts.
- Ask the installer to edit the SMS commands for you.

¹ Only applicable to the CA-1803BT.

² Only applicable if supported by the GSM provider.

³ A qualified technician is required for setting up this function.

Remote control from unauthorized phones



You can operate the car alarm via SMS instructions sent from a mobile phone, even an unauthorized one. In this case, the user code must be inserted at the start of every SMS instruction, separated by a space. Example: MYCODE STATUS. The factory default value of the user code is USER. The code can be modified by an instruction. See the table above or ask a service center for help.

Example of arming via SMS sent from an unauthorized phone: USER AM

Example of a help list request: USER HELP

Acoustic signals



The car alarm informs you about its status by siren chirps. The chirps for arming, disarming and arming with the triggered input (e.g. an open door) are optional, you can disable them. The other signals, owing to their importance, cannot be disabled.

Warning! If the GSM network is not available while the car alarm is being armed, the car alarm will respond with 6 beeps to indicate that it is not able to send any messages nor call in the case of an alarm.

Beeps	Meaning
1x	Arming
2x shortly	Partial arming
2x	Disarming
3x	Disarming after the alarm
4x	Arming with the triggered input
6x shortly	A GSM network is not available

LED indicator signals



The LED indicator is used to show the status of the alarm.

Warning! If the LED indicator starts flashing fast after the ignition is switched off, it will not be able to send any messages nor call in the case of an alarm.

LED state	Meaning
OFF	Disarmed
Permanently ON	Connecting to a GSM network or a phone call
Regular slow flashing	Armed
Flashing fast	A GSM network is not available
Interrupted light	Car was stopped (immobilization)
Flashes after turning the ignition key on	The number of flashes corresponds to the number of controllers enrolled.

Protecting a garage, goods area, caravan etc.




The car alarm allows you to enroll up to 8 wireless detectors, like for instance glass break detectors or motion detectors, for protecting the area inside the car or even outside the car up to a distance of about 40 meters. After arming the car alarm, an exit delay of 20 seconds is provided to all enrolled detectors (the detectors are ignored during this delay). A 20 second entrance delay after triggering a detector is provided by the detectors that are switched to delay mode. In the case of an alarm, the siren will sound for 20 seconds. The detectors can be enrolled as either internal or external.

- Internal detectors are excluded from the system when the car is only partially armed. This can be useful for leaving a dog in the car.
- External detectors perform protection for every type of arming.

Detectors are supplied by a battery with a minimum lifetime of 1 year. A voltage-drop is responded to by the system via an SMS.

Alarm

When an alarm is triggered (the car alarm is armed and an input is triggered), the siren will sound for 30 seconds⁴, warning SMS messages will be sent to all phones (TEL1 to TEL4) and these phones will also be called with a siren sound⁵. The **alarm can be terminated by pressing button**  on the remote control or by SMS instruction. It is also possible to send an **SMS instruction for disarming** the car. Your mobile will be sent a message stating that the alarm condition has ended. Termination of the alarm does not cause disarming. Also, the car remains locked (if equipped with a central locking system).



Remote immobilization (IMO)

When the car alarm receives the SMS command IMO it will reply with a confirmation SMS and block (immobilize) the engine. If the ignition key is off, immobilization will occur immediately. If the ignition key is on when the car alarm receives the command IMO, immobilization will occur as soon as the ignition key is switched off and is confirmed by SMS. **Re-mobilizing the car cannot be done via by a key fob.** It is only possible by the SMS instruction **UNIMO**.



Car location via GPS (CA-1803 only)

After receiving a GPS instruction, the car alarm will respond with the GPS coordinates of the last known location. If the current location is not available at the time of reception of the instruction (as the case may be for a car being in a deep-level garage), the last known location stored in internal memory is sent. To monitor the car temporarily, you can use the GPS ON instruction which makes the alarm send information about location after every 1 minute of time elapsed (limited to 15 messages).



Example of an SMS response with a **GPS** location:

**Car alarm reports: Location: (GMT:3.12.10:35)
50*43.495N;15*11.253E;515;50, Time:3.12.05 11:35**

(GMT:3.12.10:35)

*50*43.495N;15*11.253E*

515

50

Time:3.12.05 11:35

Greenwich Mean Time (prime meridian)

latitude and longitude

altitude (approximated)

current velocity

current local time

Phone calls by an installed hands-free set

If the HF-03 hands-free set is installed, it is possible to receive and make phone calls via the car alarm. In addition to hands-free calling, the set allows you to listen-in after an alarm has been triggered.



- **Incoming calls** – to answer them, press any button on the RC-8x key fob remote control while the car alarm is disarmed. The set allows you to receive a call from any phone number.
- **To make a call** – you can call up to 4 preprogrammed numbers while you are driving. By pressing one of the buttons on the RC-8x controller you will dial the corresponding number (preprogrammed by the installer). Each button can be assigned to a phone number.³
- **To terminate a call** – press any button on the RC-8x controller.

When armed, all incoming calls are automatically rejected. If the car is immobilized (by the IMO instruction) all calls are automatically answered (it is then possible to listen to and to speak to the car remotely).

⁴ Acoustic signalling (siren) may be disabled by a service technician.

⁵ If a call is activated after an alarm has been triggered and you answer the call, you will hear a siren sound from the receiver. If a hands-free set is installed, listening-in to the car will be triggered.

Additional features





Limited number of alarms

If any input (e.g. a bonnet sensor) repeatedly triggers alarms then this particular input will be bypassed automatically after the third alarm (it will remain bypassed until the car alarm is disarmed). When the car alarm is subsequently armed, the input will be activated.

Car battery low voltage reporting

The built-in voltage drop detector can trigger an alarm if an electrical device in the car is turned on while the car is armed. Also the car alarm checks the voltage of the car battery. If the voltage is too low (10.5V) it will notify users via an SMS message. The car alarm can be backed up by a BB-02 battery. Except for the acoustic siren, the BB-02 backs-up all the functions of the car alarm. After discharging or disconnecting the main battery supply or after discharging the BB-02 backup battery, an SMS will be sent with corresponding information.

Remote control of other appliances

If connected to other appliances in the car (e.g. independent heating), the car alarm allows you to control them via the RC-8x controller or by sending the SMS instruction AUX. If you use the RC-8x key fob for control, press buttons  and  simultaneously. If you control using the AUX SMS instruction, see the table below for a detailed description. In addition, control by SMS allows you to determine the requested impulse duration to activate an appliance.

Instruction	Status
AUXA (B)	Relay switches on for 1 second
AUXA ON (OFF) AUXB ON (OFF)	ON – switch on permanently (ON can be replaced by 1) OFF – switch off permanently (OFF can be replaced by 0) Maximum switch-on (switch-off) time is 60 minutes.
AUXA xxM or xxxS AUXB xxM or xxxS	xxM – requested duration of the relay to be switched on, in minutes xxS – as above, in seconds

You can replace AUX with HEATING or any other word which suits you.

Roaming

If you travel abroad and your SIM card **supports roaming**, the car alarm **functionality remains unrestricted** except for the CREDIT function which might be not available.

Central monitoring station communication

The car alarm allows central monitoring via GPRS data protocol. Please ask your supplier for details.



Troubleshooting

Contact the company responsible for car alarm installation. You can also contact the manufacturer directly.

Your installer's contact details:

Jablotron s.r.o. • Pod Skalkou 33 • Jablonec nad Nisou • 483 559 911 • <http://www.jablotron.com/>