START ONE 2

Remote start Telematic control module Programming guide (Firmware 2.07 and higher)

Table of control and basic setting commands

Interpretation of SMS commands	SMS memo	SMS format (samples)
Start engine	**11**	**1234*11***
Stop engine	**10**	**1234*10***
Activate heater / Auxiliary equipment control	**22**	**1234*22***
Turn heater off	**20**	**1234*20***
Arm	**33**	**1234*33***
Disarm	**30**	**1234*30***
Trunk control	**44**	**1234*44***
Location query	**500**	**1234*500***
Status request	**55**	**1234*55***
Request of brief information	**555**	**1234*555***
Fuel level & mileage	**5555**	**1234*5555***
Block engine	**66**	**1234*66***
Unblock engine	**60**	**1234*60***
Balance inquiry	**77**	**1234*77***
Change access code *Sample: how to change access code from **1234** to **4321***	**88**	**1234*88*4321#**
Swap phone numbers	**99**	**1234*99***
Switch ON Valet mode	**01**	**1234*01***
Switch OFF Valet mode	**00**	**1234*00***
Re-flash to the latest Russian firmware	**update**	**1234*update***
Re-flash to the latest English firmware	**update*en**	**1234*update*en#**
Re-flash to the latest Estonian firmware	**update*ee**	**1234*update*ee#**
Set update server	**http**	**1234*http*ifar.su#**
Set first phone number	**91**	**1234*91*+78002502011#**
Erase first phone number	**91**	**1234*91*#**
Set second phone number	**92**	**1234*92*+78002502011#**
Erase second phone number	**92**	**1234*92*#**
Set emergency call number	**93**	**1234*93*+78002502011#**
Erase emergency call number	**93**	**1234*93*#**
Change the form of USSD balance inquiry *Sample: how to change USSD inquiry to ***100#***	**ussd**	**1234*ussd*100#**
Auto-detection of USSD balance inquiry form (Russian providers only: MTS, Beeline, Megafone, Tele2)	**ussd**	**1234*ussd**
Set GPRS access point	**apn**	**1234*apn*_access_point*login*password#**
Sample: access point without login and password		**1234*apn*_internet#**
Auto-detection of GPRS access point	**apn**	**1234*apn*#**
Set telematics server address & port	**ip**	**1234*ip*217.15.204.137:8888#**
Request of activation key for WEB-application	**key**	**1234*key***
Learn the reason of Remote Start prohibition	**why**	**1234*why***
Bypass learning initialization	**bypass**	**1234*bypass***
OEM buttons test	**button**	**1234*button***
Select virtual Valet button Press button twice within one minute	**valet**	**1234*valet***
Set Immobilizer PIN	**pin**	**1234*pin***
Add Bluetooth unit Pair your phone within 5 minutes. The previous number is delayed	**pair**	**1234*pair***

USSD

To set proper command for inquiry of installed SIM card actual balance.
Module can recognize mobile providers automatically, thus there is no need it to use it for the following Russian companies: MTS, Beeline, Megafone & Tele2.

APN

To be used for setting of the Internet access point.
The automatic recognition of main Russian mobile providers implemented. It can be necessary to change setting in some regions forcedly. Contact your cellular operator for more details.

IP

To change the IP address and corresponding port of the telematics server.
Module will send information in accordance with the settings to enable the work of the mobile application.

KEY

To get the activation key.
You will receive two SMS with activation key and actual WEB-page address by return.
Use this key for registration of module at the application server. The final user must do the registration only.
Do not pass the key to your installer as he has many other ways to check the functionality of module: StartFone Manager Program, direct call, SMS.
There is no possibility to disconnect module from its account at this moment.

WHY

To find out the reason why your module cannot start the vehicle engine.
If you receive information about disallowing after Remote Start attempt, you can send this command.
Module informs you what is wrong by return SMS.

BYPASS

To initialize the bypass learning procedure algorithm.
One must send this command when all connections are finished. Module plays a confirming melody as soon as receives the command. You have 5 seconds to start the procedure.

BUTTON

To find out OEM buttons available via CAN or connected to the ADC input.
As soon as module receives this command, you have 1 minute to click and check all buttons. You can hear confirming buzzer signal when the pressure of each particular button can be recognized.
This command can be executed in Disarmed mode with unblocked engine only. Ignition must be turned ON.

VALET

To assign Valet button to one of OEM buttons.
The reception of this command will be confirmed by buzzer signal. Press chosen button two times within 1 minute.
This command can be executed in Disarmed mode with unblocked engine only. Ignition must be turned ON.

PIN

To set Immobilizer PIN through OEM buttons.
The reception of this command will be confirmed by the buzzer signal. Press needed PIN combination within 1 minute. In case of success Immobilizer option switches ON automatically.
This command can be executed in Disarmed mode with unblocked engine only. Ignition must be turned ON.

PAIR

To pair your phone with the module via Bluetooth.
The reception of this command will be confirmed by buzzer signal. You have 5 minutes to start the devices search algorithm in your phone to pair it with module. Password equals to access code (1234 by default).
This command can be executed in Disarmed mode with unblocked engine only. Ignition must be turned OFF.

Table of content

ATTENTION! **Default access code (1234) is used in all examples.**
Default settings are marked by color.
This is the sample of simultaneous changing of several parameters (1 SMS, 70 symbols maximum):
1234*300*0#301*0#302*0#121*05#270*-15#

Immobilizer bypass	Sample of SMS command
Immobilizer bypass: Disable	1234*100*0#
Immobilizer bypass: Enable	1234*100*1#
Send command via CAN / LIN lines to start engine or bypass OEM Immobilizer.	

Engine starting method	Sample of SMS command
Engine starting method: Ignition barrel	1234*101*0#
Engine starting method: Start / Stop button	1234*101*1#
Choose the proper type of Ignition system for the following Remote Start wire connection.	

Gearbox type	Sample of SMS command
Gearbox type: Automatic	1234*102*0#
Gearbox type: Manual	1234*102*1#
The type of vehicle gearbox. Use Ready mode (co-called virtual neutral reservation algorithm) for Remote Start in case of manual gearbox.	

Turbo Timer	Sample of SMS command
Turbo Timer: OFF	1234*103*0#
Turbo Timer: 1 minute	1234*103*1#
Turbo Timer: 2 minutes	1234*103*2#
Turbo Timer: 3 minutes	1234*103*3#
To activate Turbo Timer rise handbrake lever up or move transmission selector to Parking position (depends on settings) when Ignition is ON. Move down handbrake lever or exit Parking position of transmission selector to deactivate. Countdown starts after the opening of the driver's door.	

Engine start by OEM remote	Sample of SMS command
Engine start by OEM remote: OFF	1234*106*0#
Engine start by OEM remote: Lock-Lock-Lock	1234*106*1#
Engine start by OEM remote: Lock-Unlock-Lock	1234*106*2#
To enable the Remote Start by commands from the OEM remote. Available 15 second after the door locking.	

Engine shutdown at Remote Start	Sample of SMS command
Engine shutdown: Disable	1234*107*0#
Engine shutdown at Disarming: Enable	1234*107*1#
Engine shutdown at driver's door open: Enable	1234*107*2#
To stop the engine running after Disarming by OEM remote and by phone command or after the opening of the driver's door.	

Door opening simulation after Remote Start	Sample of SMS command
Door opening simulation after Turbo Timer / Ready Mode	1234*108*1#
Door opening simulation after Remote Start	1234*108*2#
Door opening simulation after TT / Ready Mode and Remote Start	1234*108*3#
The most common algorithm of simulation of door opening. Needs for some vehicles to switch off Accessories (car audio, headlight, etc.) after Remote Start, Turbo Timer or Ready mode (virtual neutral). Can be done by CAN command or by direct wire signal depending on car model.	

Door opening simulation at Arming	Sample of SMS command
Door opening simulation at Arming: Disable	1234*109*0#
Door opening simulation at Arming: Enable	1234*109*1#
To simulate door opening during Arming to switch off OEM alarm. This signal is ignored to avoid false Alarm. Can be done by CAN command or by direct wire signal depending on car model.	

Duration of door opening simulation	Sample of SMS command
Duration of door opening simulation: 0.5 seconds	1234*110*0#
Duration of door opening simulation: 1 second	1234*110*1#
Duration of door opening simulation: 2 seconds	1234*110*2#
Duration of door opening simulation: 3 seconds	1234*110*3#
Duration of door opening simulation: 5 seconds	1234*110*5#
To set up the pulse duration time for the direct wire signal. Door opening is ignored during whole time of pulse to avoid false Alarm.	

Heated seats at warm-up	Sample of SMS command
Number of control pulses: 1 pulse	1234*111*0#
Number of control pulses: 2 pulses	1234*111*1#
Number of control pulses: 3 pulses	1234*111*2#
The quantity of pulses for the heated seats control button to choose proper mode. Pulses are made once a second.	

Heated seats switching on temperature	Sample of SMS command
Heated seats switching on temperature: +10 centigrade	1234*112*0#
Heated seats switching on temperature: 0 centigrade	1234*112*1#
Heated seats switching on temperature: -10 centigrade	1234*112*2#
To choose the Celsius temperature for heated seats activation. Build-in sensor is used (interior temperature).	

Bluetooth at Remote Start	Sample of SMS command
Bluetooth at Remote Start: Disable	1234*113*0#
Engine shutdown when the phone appears: Enable	1234*113*1#
Disarming when the phone appears: Enable	1234*113*2#
This option can be used if OEM remote does not work during Remote Start. Bluetooth pairing enable after 1 minute of successful start. !!! Do not forger to pair your phone with module beforehand.	

Short call when the engine in ON	Sample of SMS command
Short call when the engine in ON: Disable	1234*114*0#
Engine shutdown by a short call: Enable	1234*114*1#
Arming when the engine is running: Enable	1234*114*2#
Disarming when the engine is running: Enable	1234*114*3#
Heater ON when the engine is running: Enable	1234*114*4#
Heater OFF when the engine is running: Enable	1234*114*5#
To make short call hang up phone after the second “beep”. The reaction of module depends on settings above.	

Short call when the engine in OFF	Sample of SMS command
Short call when the engine in OFF: Disable	1234*115*0#
Engine start by a short call: Enable	1234*115*1#
Arming when the engine is OFF: Enable	1234*115*2#
Disarming when the engine is OFF: Enable	1234*115*3#
Heater ON when the engine is OFF: Enable	1234*115*4#
Heater OFF when the engine is OFF: Enable	1234*115*5#
To make short call hang up phone after the second “beep”. The reaction of module depends on settings above.	

Engine warm-up time	Sample of SMS command
Engine warm-up time: 5 minutes	1234*118*05#
Engine warm-up time: 10 minutes	1234*118*10#
Engine warm-up time: 15 minutes	1234*118*15#
Engine warm-up time: 20 minutes	1234*118*20#
Engine warm-up time: 25 minutes	1234*118*25#
Engine warm-up time: 30 minutes	1234*118*30#
Engine warm-up time: 40 minutes	1234*118*40#
Engine warm-up time: 50 minutes	1234*118*50#
Engine warm-up time: 60 minutes	1234*118*60#
Maximum engine warm-up time during Remote Start.	

Start attempts	Sample of SMS command
Start attempts: 1	1234*119*1#
Start attempts: 2	1234*119*2#
Start attempts: 3	1234*119*3#
Start attempts: 4	1234*119*4#
Maximum quantity of Remote Start attempts (in case of failure of previous ones under the same command).	

Engine running monitoring	Sample of SMS command
Engine running monitoring: Tachometer	1234*120*0#
Engine running monitoring: Engine is running	1234*120*1#
How to determine that the engine is running. Module can get the data from CAN lines or monitor direct wire input when there is no corresponding information in CAN protocol.	

Starter ON delay	Sample of SMS command
Starter ON delay: Disable	1234*121*0#
Starter ON delay: 5 seconds	1234*121*1#
Starter ON delay: 10 seconds	1234*121*2#
Starter ON delay: 20 seconds	1234*121*3#
Defines the pause between activation of Ignition and Starter outputs. Important for vehicles with direct Starter wire control or for start by pressing Start / Stop button. We recommend choosing 10 seconds for a car that can be started by CAN commands.	

Starter rotation minimum time	Sample of SMS command
Starter rotation minimum time: 0.8 seconds	1234*122*0#
Starter rotation minimum time: 1.2 seconds	1234*122*1#
Starter rotation minimum time: 1.6 seconds	1234*122*2#
Starter rotation minimum time: 2.0 seconds	1234*122*3#
Starter rotation minimum time: 2.5 seconds	1234*122*4#
To set the minimum time of starter rotation. In case of early successful start, the output is still active up to the end of time.	

Starter rotation maximum time	Sample of SMS command
Starter rotation maximum time: 3 seconds	1234*123*0#
Starter rotation maximum time: 5 seconds	1234*123*1#
Starter rotation maximum time: 7 seconds	1234*123*2#
Starter rotation maximum time: 9 seconds	1234*123*3#
Starter rotation maximum time: 11 seconds	1234*123*4#
To set the maximum time of starter rotation. In case of early successful start, the output is switched off immediately. If the engine does not start before time-out of starter rotation, the output is switched off and the attempt is considered as failed.	

Starter cut-off speed	Sample of SMS command
Starter cut-off speed: 250 rpm	1234*124*250#
Starter cut-off speed: 300 rpm	1234*124*300#
Starter cut-off speed: 350 rpm	1234*124*350#
Starter cut-off speed: 400 rpm	1234*124*400#
Starter cut-off speed: 450 rpm	1234*124*450#
Starter cut-off speed: 500 rpm	1234*124*500#
To set rpm speed for Starter output deactivation. It can be used for more precise determination of engine start moment in case of late Starter switch off. It works in combination with Engine running monitoring: Tachometer (1234*120*0#) option only.	

Duration of pressing the Start / Stop button	Sample of SMS command
Duration of pressing the Start / Stop button: 1 second	1234*125*0#
Duration of pressing the Start / Stop button: 6 seconds	1234*125*1#
To set proper time of pressure. 6 seconds can be useful for some GM vehicles.	

Ignition support activation method	Sample of SMS command
Ignition support activation method: When hand brake ON	1234*126*0#
Ignition support activation method: When gearbox in Parking	1234*126*1#
To choose the method of Ignition support activation in Turbo Timer and Ready mode.	

Ready mode entering	Sample of SMS command
Ignition support followed by driver's door closing	1234*127*0#
Ignition support followed by Arming	1234*127*1#
Ignition support with 10 sec pause after door closing	1234*127*2#
How to enter the Ready mode (virtual neutral) in case of manual transmission.	

Activation of outputs at Turbo Timer and Ready Mode	Sample of SMS command
Outputs: Disabled	1234*128*0#
Outputs: GWR 1	1234*128*1#
Outputs: Accessories, Ignition 1, Ignition 2	1234*128*2#
Outputs: GWR 1, Accessories, Ignition 1, Ignition 2	1234*128*3#
What outputs must be active in the Ready mode and during Turbo Timer.	

Interval of periodic Auto-start	Sample of SMS command
Interval of periodic Auto-start: 1 hour	1234*131*01#
Interval of periodic Auto-start: 2 hours	1234*131*02#
Interval of periodic Auto-start: 3 hours	1234*131*03#
Interval of periodic Auto-start: 4 hours	1234*131*04#
Interval of periodic Auto-start: 5 hours	1234*131*05#
Interval of periodic Auto-start: 6 hours	1234*131*06#
Interval of periodic Auto-start: 7 hours	1234*131*07#
Interval of periodic Auto-start: 8 hours	1234*131*08#
Interval of periodic Auto-start: 10 hours	1234*131*10#
Interval of periodic Auto-start: 12 hours	1234*131*12#
Interval of periodic Auto-start: 18 hours	1234*131*18#
Interval of periodic Auto-start: 24 hours	1234*131*24#
The first countdown starts at Arming, the next ones with the end of the previous warm-up. It works after the special SMS command Periodic Auto-start: Enable (1234*133*0#) until the next Disarming.	

Auto-start temperature	Sample of SMS command
Auto-start temperature: 0 centigrade	1234*132*00#
Auto-start temperature: -5 centigrade	1234*132*05#
Auto-start temperature: -10 centigrade	1234*132*10#
Auto-start temperature: -15 centigrade	1234*132*15#
Auto-start temperature: -20 centigrade	1234*132*20#
Auto-start temperature: -25 centigrade	1234*132*25#
Auto-start temperature: -30 centigrade	1234*132*30#
Choose the Celsius temperature of Auto-start for the next options: • Optional external temperature sensor Auto-start: Enable (1234*133*2#); • Build-it temperature sensor Auto-start: Enable (1234*133*3#).	

Auto-start depending on external conditions (temporary)	Sample of SMS command
Auto-start: OFF	1234*133*0#
Periodic Auto-start: Enable	1234*133*1#
Optional external temperature sensor Auto-start: Enable	1234*133*2#
Build-it temperature sensor Auto-start: Enable	1234*133*3#
To set Auto-start temporary conditions (until the next Disarming). You will receive SMS confirmation about the chosen option by return.	

Low battery voltage	Sample of SMS command
Critical level of voltage: 12.0 V	1234*134*120#
Critical level of voltage: 11.9 V	1234*134*119#
Critical level of voltage: 11.8 V	1234*134*118#
Critical level of voltage: 11.7 V	1234*134*117#
Critical level of voltage: 11.6 V	1234*134*116#
Critical level of voltage: 11.5 V	1234*134*115#
Critical level of voltage: 11.4 V	1234*134*114#
Critical level of voltage: 11.3 V	1234*134*113#
Critical level of voltage: 11.2 V	1234*134*112#
Critical level of voltage: 11.1 V	1234*134*111#
Critical level of voltage: 11.0 V	1234*134*110#
Critical level of voltage: 10.5 V	1234*134*105#
As soon as the voltage drops to a critical level for more than 5 minutes you are informed about it by the method described by option # 322. Set option Auto-start at low battery voltage: Enable (1234*135*1#) for automatic Auto-start.	

Auto-start at low battery voltage	Sample of SMS command
Auto-start at low battery voltage: Disable	1234*135*0#
Auto-start at low battery voltage: Enable	1234*135*1#
Set this parameter only once, and it is stored in the nonvolatile memory. The “Auto-start at low battery voltage” is available under the following conditions: • not earlier than 1 hour after power supply; • in Armed mode only not earlier than 1 hour after Arming; • once per hour.	

Basic operating options	Sample of SMS command
Remote Start (DISABLE); Alarm system (DISABLE)	1234*200*0#
Remote Start (ENABLE); Alarm system (DISABLE)	1234*200*1#
Remote Start (ENABLE); Alarm system (ENABLE)	1234*200*2#
Remote Start (DISABLE); Alarm system (ENABLE)	1234*200*3#
Choose the proper combination of module abilities. Voice menu changes in accordance with this setting. Some of SMS control commands can be ignored.	

GSM modem	Sample of SMS command
GSM modem: Disable	1234*gsm*0#
GSM modem: Enable	-
To switch off GSM modem without using of SIM card. For example for OEM remote start only or temporary mobile disconnection. To enable the work of GSM modem switch Ignition ON and OFF 6 times in a row within 20 seconds. This option can be changed in Disarmed mode only with engine unblocked (i.e. it can be started).	

Automatic balance inquiring	Sample of SMS command
Automatic balance inquiring: Disable	1234*202*00#
Interval between balance inquiry: 1 hour	1234*202*01#
Interval between balance inquiry: 2 hours	1234*202*02#
Interval between balance inquiry: 3 hours	1234*202*03#
Interval between balance inquiry: 6 hours	1234*202*06#
Interval between balance inquiry: 12 hours	1234*202*12#
Interval between balance inquiry: 24 hours	1234*202*24#
Interval between balance inquiry: 48 hours	1234*202*48#
Interval between balance inquiry: 72 hours	1234*202*72#
Interval between balance inquiry: 96 hours	1234*202*96#
To set time interval between automatic requests of actual balance of installed SIM card for telematics server. In case when Automatic balance inquiring is disable, the server data can be renewed by SMS command Balance inquiry (1234*77*) or by direct call.	

Voice menu at incoming call	Sample of SMS command
Voice menu: Disable	1234*203*0#
Voice menu: Enable	1234*203*1#
To permit or deny the sounding of voice menu during direct call to module. If Short call is available (# 114) the module breaks the connection after the third beep by itself. In case of Alarm, outgoing call voice menu goes work as usual.	

Arming / Disarming control	Sample of SMS command
Arming / Disarming control: Disable	1234*206*0#
Arming / Disarming control: Enable	1234*206*1#
Enables to Arm or Disarm module and control the central lock system (if available) by your phone. Voice menu changes in accordance with this setting.	

Trunk control	Sample of SMS command
Trunk control: Disable	1234*207*0#
Trunk control: Enable	1234*207*1#
Enables to control the trunk (if available) by call, SMS or via application. The corresponding point of the voice menu changes too.	

Engine cut-off control	Sample of SMS command
Engine cut-off: Disable	1234*208*0#
Engine cut-off: By phone	1234*208*1#
Engine cut-off: In Armed mode and by phone	1234*208*2#
• By phone – one can activate cut-off by direct call, SMS command or via application. Use call, SMS, application or enter Immobilizer PIN via OEM buttons (if additional Immobilizer is ON) for deactivation. • In Armed mode and by phone - automatic activation of cut-off during Arming, by direct call, SMS command or via application. Automatic deactivation during Disarming (if additional Immobilizer is OFF), or you can do it by call, SMS, application or entering Immobilizer PIN via OEM buttons (if additional Immobilizer is ON). Voice menu changes in accordance with this setting.	

Engine cut-off algorithm	Sample of SMS command
Blocking at the beginning of the movement	1234*209*0#
Blocking when gearbox not in Parking	1234*209*1#
Choose the needed algorithm for proper engine blocking. It depends on the type of used cutting (NC or NO relay contacts) and the model of blocking element (common relay, CAN command, digital relay R4, etc.). The beginning of motion can be detected by the build-in accelerometer and / or via CAN (speedometer, if available).	

Engine cut-off via CAN bus	Sample of SMS command
Engine cut-off via CAN bus: Disable	1234*210*0#
Type of cut-off via CAN bus: Cut-off engine	1234*210*1#
Type of cut-off via CAN bus: Starter kill	1234*210*2#
Type of cut-off via CAN bus: Starter kill and Cut-off engine	1234*210*3#
To realize CAN blocking of engine. This possibility depends on vehicle model. • Starter kill - to block the engine immediately as soon as Ignition is ON (except Remote Start mode). • Cut-off engine – to block the work of the running engine (Wait Up principle, i.e. in motion only).	

Safe engine cut-off	Sample of SMS command
Safe engine cut-off: Disable	1234*211*0#
Safe engine cut-off: After complete stop	1234*211*1#
Safe engine cut-off: At speeds less than 20 km / h	1234*211*2#
At Anti-Hijack mode only: After complete stop	1234*211*3#
At Anti-Hijack mode only: At speeds less than 20 km / h	1234*211*4#
Choose the most safe and preferable engine stop algorithm: • Disable – to stop the engine in case of any motion. The movement of the vehicle can be detected by the build-in accelerometer and / or via CAN (speedometer, if available); • After complete stop – to cut off the engine if the measured speed is zero only. It works when there are speed data in the CAN signals; • At speeds less than 20 km / h – the engine can be stopped at a speed between 1 & 20 km / h. It works when there are speed data in the CAN signals.	

Duration of engine cut-off	Sample of SMS command
Duration of engine cut-off: 1 second	1234*212*1#
Duration of engine cut-off: 2 seconds	1234*212*2#
Duration of engine cut-off: 3 seconds	1234*212*3#
Duration of engine cut-off: 4 seconds	1234*212*4#
Duration of engine cut-off: 5 seconds	1234*212*5#
Duration of engine cut-off: 10 seconds	1234*212*6#
Duration of engine cut-off: 20 seconds	1234*212*7#
Duration of cut-off wire or wireless output activation (NC or NO common relay contacts, CAN blocking, digital relay R4, etc.) to enable the complete stop of the vehicle.	

Immobilizer	Sample of SMS command
Immobilizer: Disable	1234*immo*0#
Immobilizer: Enable	1234*immo*1#
To improve the safety by additional Immobilizer feature. Enter Immobilizer PIN via OEM buttons to deactivate engine cut-off. If you try to drive the vehicle without PIN entering more than 30 seconds siren sounds for 1 minute. Module informs you about it by special SMS: "Warning! Attempt to drive without PIN entering" !!! Enabling Immobilizer does not stop the engine if PIN has not been programmed earlier. !!! As soon as you program PIN by the special command Set Immobilizer PIN (1234*pin*) this option is activated automatically.	

Immobilizer reactivation when opening the driver's door	Sample of SMS command
Immobilizer reactivation: Disable	1234*214*0#
Immobilizer reactivation: After 10 seconds	1234*214*1#
Immobilizer reactivation: After 20 seconds	1234*214*2#
Immobilizer reactivation: After 30 seconds	1234*214*3#
Immobilizer reactivation: After 60 seconds	1234*214*4#
Immobilizer reactivation: Immediately after door opening	1234*214*5#
To reactivate additional Immobilizer automatically after the opening of the driver's door. The engine must shutdown for it.	

Anti-Hijack	Sample of SMS command
Anti-Hijack: Disable	1234*ahj*0#
Anti-Hijack: Enable	1234*ahj*1#
This option works in combination with Immobilizer: Enable (1234*immo*1#) feature only. It can be activated by opening of the driver's door (without brake pedal pressure or moving of transmission control selector to Parking position) when the engine is running. If you try to drive the vehicle without PIN entering after it, you can hear buzzed warning sound during first 15 seconds. From 15 to 30 seconds buzzer sounds becomes frequently and hazard lamps are flashing. This is the last chance to enter PIN. Otherwise, the engine is blocked. Module informs you about it by special SMS: "Warning! Attempt to drive without PIN entering"	

Anti-Hijack buzzer warning	Sample of SMS command
Buzzer warning: Disable	1234*217*0#
Buzzer warning: Enable	1234*217*1#
To switch on /off buzzer warning signals during Anti-Hijack activation.	

Keyless blocking	Sample of SMS command
Keyless blocking via CAN bus: Disable	1234*220*0#
Keyless blocking via CAN bus: At arming (Lock)	1234*220*1#
Keyless blocking via CAN bus: At arming (Lock-Lock)	1234*220*2#
Keyless blocking via CAN bus: At arming (Lock-Lock-Lock)	1234*220*3#
Choose the number of OEM remote Lock button to block the work of Keyless entry system. The common buttons of OEM remote go on working as usual. One can block Keyless system within first 15 seconds after Arming. Press Lock as many times as necessary within 5 seconds. Keyless system is blocked 10 seconds after it. Keyless entry system will be unblocked automatically after Disarming. The availability of this function depends on the vehicle model.	

Optional microphone	Sample of SMS command
Optional microphone: Missed	1234*221*0#
Optional microphone: Presents	1234*221*1#
Voice menu changes in accordance with this setting. To enable the switching of microphone through voice menu for saloon overhearing.	

Shock sensor sensitivity	Sample of SMS command
Shock sensor: OFF	1234*224*0#
Shock sensor sensitivity: 1 (minimum)	1234*224*1#
Shock sensor sensitivity: 2	1234*224*2#
Shock sensor sensitivity: 3	1234*224*3#
Shock sensor sensitivity: 4	1234*224*4#
Shock sensor sensitivity: 5	1234*224*5#
Shock sensor sensitivity: 6	1234*224*6#
Shock sensor sensitivity: 7	1234*224*7#
Shock sensor sensitivity: 8	1234*224*8#
Shock sensor sensitivity: 9 (maximum)	1234*224*9#
Build-in shock sensor sensitivity tuning. Shock sensor is activated in 40 seconds after Arming.	

Tilt sensor sensitivity	Sample of SMS command
Tilt sensor: OFF	1234*225*0#
Tilt sensor sensitivity: 1 (minimum)	1234*225*1#
Tilt sensor sensitivity: 2	1234*225*2#
Tilt sensor sensitivity: 3	1234*225*3#
Tilt sensor sensitivity: 4	1234*225*4#
Tilt sensor sensitivity: 5	1234*225*5#
Tilt sensor sensitivity: 6	1234*225*6#
Tilt sensor sensitivity: 7	1234*225*7#
Tilt sensor sensitivity: 8	1234*225*8#
Tilt sensor sensitivity: 9 (maximum)	1234*225*9#
Build-in tilt sensor sensitivity tuning. Tilt sensor is activated in 40 seconds after Arming.	

Motion sensor sensitivity	Sample of SMS command
Motion sensor: OFF	1234*226*0#
Motion sensor sensitivity: 1 (minimum)	1234*226*1#
Motion sensor sensitivity: 2	1234*226*2#
Motion sensor sensitivity: 3	1234*226*3#
Motion sensor sensitivity: 4	1234*226*4#
Motion sensor sensitivity: 5	1234*226*5#
Motion sensor sensitivity: 6	1234*226*6#
Motion sensor sensitivity: 7	1234*226*7#
Motion sensor sensitivity: 8	1234*226*8#
Motion sensor sensitivity: 9 (maximum)	1234*226*9#
Build-in motion sensor sensitivity tuning. The sensor is always active to support engine cut-off algorithm. It can cause Alarm in 40 seconds after Arming.	

Optional GPS / GLONASS module support	Sample of SMS command
Positioning: Disable	1234*227*0#
Positioning: Enable	1234*227*1#
To inhibit data acquisition from optional GPS / GLONASS module (even if presents).	

Type of sound	Sample of SMS command
Type of sound: Siren	1234*228*0#
Type of sound: Horn	1234*228*1#
To change type of sound during Alarm at corresponding siren output: • Siren (steady); • or Horn (rectangular).	

Sound chirp at Arming / Disarming	Sample of SMS command
Sound chirp at Arming / Disarming: Disable	1234*229*0#
Sound chirp at Arming / Disarming: Enable	1234*229*1#
To enable one chirp at Arming, two chirps at Disarming. One of the outputs must be set as Siren / Horn one.	

Rearming	Sample of SMS command
Rearming: Disable	1234*230*0#
Rearming: Enable	1234*230*1#
Module can Rearm itself in 40 seconds after Disarming if any door or trunk has not been opened.	

Locking door lock in motion	Sample of SMS command
Locking door lock in motion: Disable	1234*231*0#
Locking door lock in motion: Lock when Ignition is ON	1234*231*1#
Locking door lock in motion: Lock when Parking is OFF	1234*231*2#
Locking door lock in motion: Lock when car starts moving	1234*231*3#
Choose the proper algorithm of door locking at the beginning or continuation of a trip (engine is running).	

Unlocking door lock in motion	Sample of SMS command
Unlocking door lock in motion: Disable	1234*232*0#
Unlocking door lock in motion: Unlock when Ignition is OFF	1234*232*1#
Unlocking door lock in motion: Unlock when Parking is ON	1234*232*2#
Unlocking door lock in motion: Unlock when handbrake is ON	1234*232*3#
Algorithm of door unlocking at the end of a trip (engine is running).	

Door locking at Rearming	Sample of SMS command
Door locking at Rearming: Disable	1234*233*0#
Door locking at Rearming: Enable	1234*233*1#
To send an additional locking command in case of rearming.	

Door lock control at Remote Start	Sample of SMS command
Door lock control at RS: Disable	1234*234*0#
Door lock control at RS: Unlock / Lock before RS	1234*234*1#
Door lock control at RS: Unlock / Lock before RS and after RS	1234*234*2#
Door lock control at RS: Lock after RS	1234*234*3#
Door lock control at RS: Unlock / Lock after RS	1234*234*4#
Lock / Unlock control algorithm during Remote Start. To be used if necessary (for example to switch off OEM alarm system or it's activation after engine shutdown).	

Door lock control at Turbo Timer / Ready Mode	Sample of SMS command
Auto Arming at Turbo Timer: Disable	1234*235*0#
Auto Arming at Turbo Timer: Enable	1234*235*1#
To enable Arming in 7 seconds after the closing of the last door. Following door opening stops countdown, secondary closing restarts it again for 7 seconds.	

Door lock control at Turbo Timer / Ready Mode	Sample of SMS command
Lock after Turbo Timer / Ready Mode: Disable	1234*236*0#
Lock after Turbo Timer / Ready Mode: Enable	1234*236*1#
Door locking after the end of Turbo Timer and / or Ready mode without Arming.	

Door lock control in Slave mode when Ignition is ON	Sample of SMS command
Door lock control in Slave mode: Disable	1234*237*0#
Door lock control in Slave mode: Enable	1234*237*1#
This option can be used if there are no corresponding CAN commands from OEM remote in CAN lines while engine is running, but the vehicle can execute Lock / Unlock commands. In this case, module is sending control CAN commands by itself.	

Turn lights control	Sample of SMS command
Turn lights control: OFF	1234*239*0#
Turn lights control: ON (always)	1234*239*1#
No flash at Arming / Disarming	1234*239*2#
No flash at Alarm	1234*239*3#
No flash at Arming / Disarming and Alarm	1234*239*4#
Adjust lights control possibilities.	

Settings of inputs	Sample of SMS command
Input 1 (+) Ignition	1234*input1*X#
Input 2 (+) Heater monitoring	1234*input2*X#
Input 3 (+) Brake	1234*input3*X#
Input 4 (–) Valet button	1234*input4*X#
Input 5 (–) Termination of warm-up	1234*input5*X#
Input 6 (–) Hood	1234*input6*X#
Default settings are specified for each input. X is a parameter from the table below.	

Inputs algorithms	Parameter
Disable	0
No algorithm assigned.	
Driver's door	1
Driver's door pin switch input. Can be used together with CAN bus data.	
Passenger doors	2
Passenger door pin switch input. Can be used together with CAN bus data.	
Hood	3
Hood opening pin switch input. Can be used together with CAN bus data.	
Trunk	4
Trunk opening pin switch input. Can be used together with CAN bus data.	
Brake	5
Brake pedal pressure input. Can be used together with CAN bus data.	
Hand Brake	6
Hand Brake lever status input. Can be used together with CAN bus data.	
Gearbox Parking	7
Parking position of automatic gearbox input. Can be used together with CAN bus data.	
Ignition	8
Ignition status input. Can be used together with CAN bus data.	
Engine is running	9
Status input for the started engine monitoring. Can be connected to charge indicator or oil-pressure warning light and used together with CAN bus data.	
Auxiliary sensor	10
Alarm input for additional sensor like ultrasonic sensor or glass-break detector.	
Trunk Slave input	11
This signal equates to the remote trunk opening command. It must be no less than 0.3 seconds. Trunk opening and Shock sensor trigger are ignored.	

Disallow Disarming	**12**
This signal disables Disarming by OEM remote (CAN command) or by direct command via disarming wire input.	
Arming	**13**
To Arm by pulse input signal.	
Disarming	**14**
To Disarm by pulse input signal.	
Termination of warm-up	**15**
Warm-up termination input. For example: you can connect it to door or trunk handle button.	
Heater start input	**16**
Direct wire pulse control of heater (like corresponding phone command). It must be no less than 0.5 seconds.	
Heater monitoring	**17**
Information input to confirm that the heater works.	
AntiTheft code Immobilizer	**18**
Discrete input for Immobilizer deactivation button. Can be used in combination with other inputs or OEM buttons available through CAN bus.	
Valet button	**19**
Discrete input for emergency Disarming and entering Service mode. May be used together with "virtual" Valet button (one of OEM buttons available through CAN bus).	
Disallow Arming	**20**
This signal disables Arming by OEM remote (CAN command) or by direct command via arming wire input.	
Remote Start activation	**21**
Special input to activate Remote Start by direct wire command from external unit. This input works in accordance with the following algorithms: • pulse signal from 0.5 up to 2 seconds starts the engine for Warm-up time. The second pulse will shutdown it; • steady signal (more than 2 second) starts vehicle for all its duration. A drop in signal causes a shutdown.	
Emergency button	**22**
As soon as this signal exceeds 1 second module sends two SMS to the emergency phone number: • "Attention!!! The driver is in danger!" • actual coordinates with corresponding Yandex & Google maps references. In case of absence of optional GPS / GLONASS receiver coordinates are determined by indirect location (LBS technology).	
Arming / Disarming	**23**
The presence of signal for more than 1 second causes Arming, the absence leads to Disarming.	

Settings of outputs	Sample of SMS command
Output 1 (+) Siren / Horn	1234*output1*X#
Output 2 (+) Simulation of pedal depression	1234*output2*X#
Output 3 (+) Engine cut-off (N.C.)	1234*output3*X#
Output 4 (+) Engine cut-off (N.O.)	1234*output4*X#
Output 5 (+) Engine is running	1234*output5*X#
Output 6 (+3V) Permanent power supply +3V (possible variations of X are 0, 2 & 3)	1234*output6*X#
Output 7 (–) Accessories	1234*output7*X#
Output 8 (–) Ignition 1	1234*output8*X#
Output 9 (–) Ignition 2	1234*output9*X#
Output 10 (–) Starter	1234*output10*X#
Output 11 (–) Alternative light control (SIGMA)	1234*output11*X#
Output 12 (–) Alternative door lock control (SIGMA)	1234*output12*X#
Default settings are specified for each output. X is a parameter from the table below.	

Outputs algorithms	Parameter
Disable	0
No algorithm assigned (majority of outputs). Output 6: Permanent power supply +3V Output 11: Alternative light control (SIGMA) Output 12: Alternative door lock control (SIGMA)	
Remote Start status	1
This output will be activated 1 second prior to Remote Start and remains active during warm-up. Does not automatically turn off between false start attempts.	
GWR 1 (all run time of Remote Start)	2
Will be activated in Turbo Timer and Remote Start modes in synchronism with bypass / start command via CAN / LIN command and remains active during Starter rotation. Turns off automatically between false start attempts. Goes on working until the end of warm-up.	
GWR 2 (off after successful Remote Start)	3
Will be activated in Remote Start mode in synchronism with bypass / start command via CAN / LIN command and remains active during Starter rotation. Turns off automatically between false start attempts and after successful Remote Start.	
Key sensor	4
Active during Remote Start and remains active during Starter rotation. Turns off automatically between false start attempts.	
Accessories	5
This output is active during Turbo Timer and Remote Start but turns off automatically during Starter rotation.	
Ignition 1	6
Will be activated during Turbo Timer and Remote Start and remains active during Starter rotation. Turns off automatically between false start attempts.	
Ignition 2	7
Will be activated during Turbo Timer and Remote Start but turns off automatically during Starter rotation and between false start attempts.	

Starter	8
This output is active during Remote Start for Starter rotation control. The duration of its activity is determined by the settings.	
Simulation of pedal pressure	9
Will be activated in Remote Start mode to simulate brake pedal pressure or clutch depress. In case of regular key, it is activated prior to Ignition and deactivated in 0.5 seconds after the successful start. For Start/Stop button, it is active after Ignition turn on command and switched off 0.5 seconds later the start.	
Simulation of pedal pressure 2	10
This output will be activated in Remote Start mode to simulate brake pedal pressure or clutch depress. In case of regular key, it is activated after Ignition and deactivated in 0.5 seconds after the successful start. Does not work for Start/Stop vehicles.	
Steering lock	11
Special output for Toyota и Lexus keyless start by CAN commands. Module specifies the algorithm if its work independently.	
Pressing the Start / Stop button	12
To simulate pressing the Start / Stop button.	
Pressing the Stop button	13
To simulate pressing the Stop button (for vehicle with different Start and Stop ones).	
Engine is running	14
This output is active while the engine was started anyway.	
Door opening simulation	15
Output is active for 1 second after the end of warm-up to switch off Accessories (ACC). Choose the proper time by using option # 110 (1 second by default).	
Siren / Horn	16
To control siren or OEM horn.	
Engine cut-off (N.C.)	17
Engine blocking control. The output works while the vehicle is in motion only (so-called Wait Up principle). It can be activated in accordance with the settings. For example: Immobilizer is not deactivated, the engine is running and the car starts moving.	
Engine cut-off (N.O.)	18
Engine blocking control. The output works while the vehicle is in motion only (so-called Wait Up principle). It can be deactivated in accordance with the settings. For example: cut-off switched on remotely, the engine is running and the gearbox selector moved out of Parking.	
Starter kill / OBD-II cut-off (N.C.)	19
Starter or OBD-II connector blocking. Use N.C. relay contacts for this purpose. The output works if CAN bus is active in the Armed mode only. !!! Does not work during Remote Start.	

Door lock	**20**
Active for 0.8 seconds after Arming by any way other than OEM remote command.	
Door unlock	**21**
Active for 0.8 seconds after Disarming by any way other than OEM remote command.	
Pulse at Arming	**22**
1.0 second pulse simultaneously with Arming.	
Pulse at Disarming	**23**
1.0 second pulse simultaneously with Disarming.	
Status of Arming	**24**
This output is activated after Arming and deactivated when Disarming.	
Heater control	**25**
The duration of its activity depends of the settings.	
Trunk control	**26**
Active for 1 second after receiving control command by phone call, SMS or via application.	
Turn lights control	**27**
The output for direct wire regulation of turn or parking lights. **!!! Do not connect it for hazard lights button with pulse control.**	
Status LED	**28**
To indicate the status of module: **• one flash per second – Armed;** **• continuous – Immobilizer active in Disarmed mode;** **• fast blinking – Anti-Hijack mode.**	
Activation of the OEM key at RS / TT	**29**
Active after successful Remote Start or in Turbo Timer mode. **In case of manual transmission and virtual neutral works along with Ignition support followed by Arming (1234*127*1#) option only. Will be deactivated after the end of warm-up or key takeover.** **To cut Ignition wire at BCM to enable the work of OEM remote while engine is running.** **Can be used for windscreen wipers blocking in Remote Start & Turbo Timer modes.**	
DVR control	**30**
This output is active: **• continuously – after Ignition ON in Disarmed mode (deactivation when Ignition OFF);** **• for 5 minutes – in case of Alarm (new Alarm restarts 5-minuts countdown).**	
Heated seats status output control	**31**
Active 10 seconds after successful Remote Start until the end of warm-up. **Switching-on temperature is measured by build-in sensor and depends on option # 112 setting.**	
Heated seats impulse output control	**32**
To send proper pulses 10 after successful Remote Start. No pulses to switch off. **Switching-on temperature depends on option # 112 setting.** **Change option # 111 to set from 1 to 3 numbers of pulses**	
Control of code relay R4	**33**
To control StarLine R4 code relay outputs. **R4 engine blocking output works while the vehicle is in motion only (Wait Up).** **R4 locks the hood in 3 seconds after Arming. Unlocking after Disarming (Immobilized is not active) or after PIN entering (to deactivate Immobilizer).**	

Activation of OEM buttons for entering PIN	**34**
The output is active when: **• the engine has is blocked in Disarmed mode;** **• Alarm or Anti-Hijack modes are active;** **• StartFone is in OEM buttons visibility test mode or is learning for OEM buttons.**	
Takeover for Toyota / Lexus	**35**
This output is active after Disarming during Remote Start. For deactivation: **• move down hand brake – for manual transmission;** **• press and release brake pedal or move transmission selector out of Parking – for automatic transmission;** **• or wait until the end of warm-up period.**	
Impulse when unblocked	**36**
1 second pulse after engine unblocking if Immobilizer has been active.	
LIN bus cut-off	**37**
This output works when cut-off engine blocking is active. **Will be switched off automatically during Remote Start, Turbo Timer and in Ready mode.**	
Requires entering PIN in Disarmed mode	**38**
This output is active in Disarming mode while Immobilizer PIN entering needed: **• module Disarmed but Immobilizer is not deactivated;** **• engine is running & driver's door is opened thus Anti-Hijack mode is ready to start (Anti-Hijack option has been set earlier).**	
Status of Arming	**39**
Active in Armed mode except of Remote Start mode, Turbo Timer and Ready ones. **Not active in Armed mode with the running engine.**	
Disable OEM security LED	**40**
This output will be activated before Remote Start until: **• next Ignition switching off;** **• end of warm-up period;** **• successful key takeover followed by Ignition switching off.**	
Status of Disarming	**41**
This output is active in Disarmed mode until next Arming.	

Type of external bus protocol	Sample of SMS command
Bus protocol: FORTIN	1234*241*0#
Bus protocol: MB-RUN	1234*241*1#
Choose the proper protocol in accordance with external module: • FORTIN – for EVO-ALL & EVO-KEY (FORTIN) bypass modules; • MB-RUN – Mercedes (cliMATE) Remote Start module.	

Driver's door	Sample of SMS command
Driver's door via CAN bus: Disable	1234*243*0#
Driver's door via CAN bus: Enable	1234*243*1#
Data acquisition about driver's door pin switch through CAN bus.	

Passenger doors	Sample of SMS command
Passenger doors via CAN bus: Disable	1234*244*0#
Passenger doors via CAN bus: Enable	1234*244*1#
Data acquisition about passenger doors pin switches through CAN bus.	

Hood	Sample of SMS command
Hood via CAN bus: Disable	1234*245*0#
Hood via CAN bus: Enable	1234*245*1#
Data acquisition about driver's hood pin switch through CAN bus.	

Trunk	Sample of SMS command
Trunk via CAN bus: Disable	1234*246*0#
Trunk via CAN bus: Enable	1234*246*1#
Data acquisition about driver's trunk pin switch through CAN bus.	

Hand brake	Sample of SMS command
Hand brake via CAN bus: Disable	1234*247*0#
Hand brake via CAN bus: Enable	1234*247*1#
Data acquisition about hand brake lever through CAN bus. Available when Ignition is ON.	

Brake	Sample of SMS command
Brake via CAN bus: Disable	1234*248*0#
Brake via CAN bus: Enable	1234*248*1#
Data acquisition about brake pedal status through CAN bus.	

Ignition	Sample of SMS command
Ignition via CAN bus: Disable	1234*249*0#
Ignition via CAN bus: Enable	1234*249*1#
Data acquisition about Ignition through CAN bus.	

Gearbox Parking position	Sample of SMS command
Gearbox Parking position via CAN bus: Disable	1234*250*0#
Gearbox Parking position via CAN bus: Enable	1234*250*1#
Data acquisition about Parking position of gearbox selector through CAN bus.	

Engine is running	Sample of SMS command
Engine is running via CAN bus: Disable	1234*251*0#
Engine is running via CAN bus: Enable	1234*251*1#
Data acquisition about the running engine through CAN bus.	

Tachometer	Sample of SMS command
Tachometer via CAN bus: Disable	1234*252*0#
Tachometer via CAN bus: Enable	1234*252*1#
Data acquisition about tach signal through CAN bus. Available when Ignition is ON.	

Speed	Sample of SMS command
Speed via CAN bus: Disable	1234*253*0#
Speed via CAN bus: Enable	1234*253*1#
Data acquisition about speed (speedometer data) through CAN bus. Available when Ignition is ON.	

Arming	Sample of SMS command
Arming via CAN bus: Disable	1234*254*0#
Arming via CAN bus: By remote	1234*254*1#
Arming via CAN bus: By status	1234*254*2#
Choose the proper control method of Arming based on CAN bus data: • By remote – CAN commands corresponding to OEM buttons; • By status – inner status of OEM security system (to be used in rare cases for the most correct functionality).	

Disarming	Sample of SMS command
Disarming via CAN bus: Disable	1234*255*0#
Disarming via CAN bus: By remote	1234*255*1#
Disarming via CAN bus: By status	1234*255*2#
Choose the proper control method of Disarming based on CAN bus data: • By remote – CAN commands corresponding to OEM buttons; • By status – inner status of OEM security system (to be used in rare cases for the most correct functionality).	

Slave at trunk opening	Sample of SMS command
Slave at trunk opening via CAN bus: Disable	1234*256*0#
Slave at trunk opening via CAN bus: By remote	1234*256*1#
Slave at trunk opening via CAN bus: By status	1234*256*2#
How to ignore Alarm signal during trunk opening by OEM remote in Armed mode: • By remote – CAN commands corresponding to OEM buttons; • By status – inner status of OEM security system (to be used in rare cases for the most correct functionality).	

Slave mode when Ignition is ON	Sample of SMS command
Slave mode: Disable	1234*257*0#
Slave mode: Enable	1234*257*1#
Armed mode via Slave: Disable	1234*257*2#
Disarmed mode via Slave: Disable	1234*257*3#
To prohibit Arming / Disarming when Ignition is ON. Corresponding CAN commands and direct wire signals are skipped.	

Fuel	Sample of SMS command
Fuel via CAN: Disable	1234*258*0#
Fuel via CAN: Enable	1234*258*1#
Data acquisition about fuel level through CAN bus. Data format depends on vehicle model and may be specified in percent (most cases) or in liters. Available when Ignition is ON.	

Mileage	Sample of SMS command
Mileage via CAN: Disable	1234*259*0#
Mileage via CAN: Enable	1234*259*1#
Data acquisition about total mileage through CAN bus. Available when Ignition is ON.	

OEM buttons	Sample of SMS command
OEM buttons via CAN: Disable	1234*260*0#
OEM buttons via CAN: Enable	1234*260*1#
Data acquisition about OEM buttons pressures through CAN bus. Available when Ignition is ON.	

Automatic windows closing in Slave mode	Sample of SMS command
Automatic windows closing via CAN bus: Disable	1234*261*0#
Automatic windows closing via CAN bus: Enable	1234*261*1#
To activate “Comfort” function while using OEM remote.	

Turn lights control	Sample of SMS command
Turn lights control via CAN bus: Disable	1234*262*0#
Turn lights control via CAN bus: Enable	1234*262*1#
To control turn lights flashing through CAN (including “Alternative light control” output) during Arming, Disarming and in Alarm.	

Locking control	Sample of SMS command
Locking via CAN bus: Disable	1234*263*0#
Locking via CAN bus	1234*263*1#
Locking via CAN bus with OEM alarm enabled	1234*263*2#
Locking via CAN bus without enabling OEM alarm	1234*263*3#
Locking via CAN bus with OEM alarm enabled + windows up	1234*263*4#
Locking via CAN bus without enabling OEM alarm + windows up	1234*263*5#
Central lock possibilities when Ignition is OFF. It describes execution of locking command sent by phone call, SMS, via application and also automatic Central lock control (for example: locking after Rearming).	

Locking control at Ignition ON	Sample of SMS command
Locking via CAN bus at Ignition ON: Disable	1234*264*0#
Locking via CAN bus at Ignition ON	1234*264*1#
Locking via CAN bus at Ignition ON with OEM alarm enabled	1234*264*2#
Locking via CAN bus at Ignition ON without enabling OEM alarm	1234*264*3#
Central lock possibilities when Ignition is ON. It describes execution of locking command sent by phone call, SMS, via application and also automatic Central lock control (for example: locking during Remote Start).	

Unlocking control	Sample of SMS command
Unlocking via CAN bus: Disable	1234*265*0#
Unlocking via CAN bus	1234*265*1#
Unlocking via CAN bus with OEM alarm disabled	1234*265*2#
Unlocking via CAN bus without disabling OEM alarm	1234*265*3#
Unlocking driver's door via CAN bus with OEM alarm disabled	1234*265*4#
Unlocking driver's door via CAN bus without disabling OEM alarm	1234*265*5#
Unlocking possibilities when Ignition is OFF. It describes execution of unlocking command sent by phone call, SMS, via application and automatic Central lock control (for example: unlocking after the trip).	

Unlocking control at Ignition ON	Sample of SMS command
Unlocking via CAN bus at Ignition ON: Disable	1234*266*0#
Unlocking via CAN bus at Ignition ON	1234*266*1#
Unlocking via CAN bus at Ignition ON with disabling OEM alarm	1234*266*2#
Unlocking via CAN bus at Ignition ON without disabling OEM alarm	1234*266*3#
Unlocking possibilities when Ignition is ON. It describes execution of unlocking command sent by phone call, SMS, via application and automatic Central lock control (for example: unlocking during Remote Start).	

Trunk control	Sample of SMS command
Trunk control via CAN bus: Disable	1234*267*0#
Trunk control via CAN bus: Enable	1234*267*1#
To release (or close if possible) trunk by CAN command.	

Door opening simulation after warm-up	Sample of SMS command
Door opening simulation via CAN bus: Disable	1234*268*0#
Door opening simulation via CAN bus: Enable	1234*268*1#
Can be used in some vehicles to switch off Accessories (car audio, headlight, etc.) after Remote Start, Turbo Timer or Ready mode.	

Adjustment of build-in temperature sensor	Sample of SMS command
Adjustment of build-in temperature sensor: OFF	1234*270*000#
Adjustment of build-in temperature sensor up: +xx centigrade (from +01 up to +15)	1234*270*+01#
Adjustment of build-in temperature sensor down: -xx centigrade (from -01 down to -15)	1234*270*-15#
One can adjust build-in Celsius temperature sensor in case of essential divergence. !!! This adjustment is available up to 15 centigrade (positive or negative). Send "-" (minus) if the measured temperature is higher than in reality or vice versa.	

IGNITION alert	Sample of SMS command
Alarm: IGNITION - OFF	1234*300*0#
Alarm: IGNITION - SMS	1234*300*1#
Alarm: IGNITION - Call	1234*300*2#
Alarm: IGNITION - Short call	1234*300*3#
Alarm: IGNITION - Push SMS	1234*300*4#
Alarm: IGNITION - SMS and Call	1234*300*5#
Alarm: IGNITION - SMS and Short call	1234*300*6#
Alarm: IGNITION - Push SMS and Call	1234*300*7#
Alarm: IGNITION - Push SMS and Short call	1234*300*8#
Alert message option in case of IGNITION ON Alarm in the Armed mode.	

DOOR alert	Sample of SMS command
Alarm: DOOR - OFF	1234*301*0#
Alarm: DOOR - SMS	1234*301*1#
Alarm: DOOR - Call	1234*301*2#
Alarm: DOOR - Short call	1234*301*3#
Alarm: DOOR - Push SMS	1234*301*4#
Alarm: DOOR - SMS & Call	1234*301*5#
Alarm: DOOR - SMS & Short call	1234*301*6#
Alarm: DOOR - Push SMS & Call	1234*301*7#
Alarm: DOOR - Push SMS & Short call	1234*301*8#
Alert message option in case of DOOR OPEN Alarm in the Armed mode.	

HOOD alert	Sample of SMS command
Alarm: HOOD - OFF	1234*302*0#
Alarm: HOOD - SMS	1234*302*1#
Alarm: HOOD - Call	1234*302*2#
Alarm: HOOD - Short call	1234*302*3#
Alarm: HOOD - Push SMS	1234*302*4#
Alarm: HOOD - SMS & Call	1234*302*5#
Alarm: HOOD - SMS & Short call	1234*302*6#
Alarm: HOOD - Push SMS & Call	1234*302*7#
Alarm: HOOD - Push SMS & Short call	1234*302*8#
Alert message option in case of HOOD OPEN Alarm in the Armed mode.	

TRUNK alert	Sample of SMS command
Alarm: TRUNK - OFF	1234*303*0#
Alarm: TRUNK - SMS	1234*303*1#
Alarm: TRUNK - Call	1234*303*2#
Alarm: TRUNK - Short call	1234*303*3#
Alarm: TRUNK - Push SMS	1234*303*4#
Alarm: TRUNK - SMS & Call	1234*303*5#
Alarm: TRUNK - SMS & Short call	1234*303*6#
Alarm: TRUNK - Push SMS & Call	1234*303*7#
Alarm: TRUNK - Push SMS & Short call	1234*303*8#
Alert message option in case of TRUNK OPEN Alarm in the Armed mode.	

SHOCK SENSOR alert	Sample of SMS command
Alarm: SHOCK SENSOR - OFF	1234*304*0#
Alarm: SHOCK SENSOR - SMS	1234*304*1#
Alarm: SHOCK SENSOR - Call	1234*304*2#
Alarm: SHOCK SENSOR - Short call	1234*304*3#
Alarm: SHOCK SENSOR - Push SMS	1234*304*4#
Alarm: SHOCK SENSOR - SMS & Call	1234*304*5#
Alarm: SHOCK SENSOR - SMS & Short call	1234*304*6#
Alarm: SHOCK SENSOR - Push SMS & Call	1234*304*7#
Alarm: SHOCK SENSOR - Push SMS & Short call	1234*304*8#
Alert message option in case of SHOCK SENSOR Alarm in the Armed mode.	

TILT SENSOR alert	Sample of SMS command
Alarm: TILT SENSOR - OFF	1234*305*0#
Alarm: TILT SENSOR - SMS	1234*305*1#
Alarm: TILT SENSOR - Call	1234*305*2#
Alarm: TILT SENSOR - Short call	1234*305*3#
Alarm: TILT SENSOR - Push SMS	1234*305*4#
Alarm: TILT SENSOR - SMS and Call	1234*305*5#
Alarm: TILT SENSOR - SMS and Short call	1234*305*6#
Alarm: TILT SENSOR - Push SMS and Call	1234*305*7#
Alarm: TILT SENSOR - Push SMS and Short call	1234*305*8#
Alert message option in case of TILT SENSOR Alarm in the Armed mode.	

POWER FAILURE alert	Sample of SMS command
Alarm: POWER FAILURE - OFF	1234*306*0#
Alarm: POWER FAILURE - SMS	1234*306*1#
Alarm: POWER FAILURE - Call	1234*306*2#
Alarm: POWER FAILURE - Short call	1234*306*3#
Alarm: POWER FAILURE - Push SMS	1234*306*4#
Alarm: POWER FAILURE - SMS and Call	1234*306*5#
Alarm: POWER FAILURE - SMS and Short call	1234*306*6#
Alarm: POWER FAILURE - Push SMS and Call	1234*306*7#
Alarm: POWER FAILURE - Push SMS and Short call	1234*306*8#
Alert message option in case of temporary POWER FAILURE Alarm (module power reset) in the Armed mode.	

HIGH IDLE alert	Sample of SMS command
Alarm: HIGH IDLE - OFF	1234*307*0#
Alarm: HIGH IDLE - SMS	1234*307*1#
Alarm: HIGH IDLE - Call	1234*307*2#
Alarm: HIGH IDLE - Short call	1234*307*3#
Alarm: HIGH IDLE - Push SMS	1234*307*4#
Alarm: HIGH IDLE - SMS and Call	1234*307*5#
Alarm: HIGH IDLE - SMS and Short call	1234*307*6#
Alarm: HIGH IDLE - Push SMS and Call	1234*307*7#
Alarm: HIGH IDLE - Push SMS and Short call	1234*307*8#
Alert message option if the idle boost (> 4000 rpm) had been measured during Remote Start.	

AUXILIARY SENSOR alert	Sample of SMS command
Alarm: AUXILIARY SENSOR - OFF	1234*308*0#
Alarm: AUXILIARY SENSOR - SMS	1234*308*1#
Alarm: AUXILLARY SENSOR - Call	1234*308*2#
Alarm: AUXILIARY SENSOR - Short call	1234*308*3#
Alarm: AUXILIARY SENSOR - Push SMS	1234*308*4#
Alarm: AUXILIARY SENSOR - SMS & Call	1234*308*5#
Alarm: AUXILIARY SENSOR - SMS & Short call	1234*308*6#
Alarm: AUXILIARY SENSOR - Push SMS & Call	1234*308*7#
Alarm: AUXILIARY SENSOR - Push SMS & Short call	1234*308*8#
Alert message option in case of AUXILIARY SENSOR Alarm in the Armed mode.	

ENGINE ON notice	Sample of SMS command
ENGINE ON - OFF	1234*309*0#
ENGINE ON - SMS	1234*309*1#
ENGINE ON - Call	1234*309*2#
ENGINE ON - Short call	1234*309*3#
ENGINE ON - Push SMS	1234*309*4#
ENGINE ON - SMS & Call	1234*309*5#
ENGINE ON - SMS & Short call	1234*309*6#
ENGINE ON - Push SMS & Call	1234*309*7#
ENGINE ON - Push SMS & Short call	1234*309*8#
Notice message option in case of successful Remote Start.	

ENGINE START FAILED notice	Sample of SMS command
ENGINE START FAILED - OFF	1234*310*0#
ENGINE START FAILED - SMS	1234*310*1#
ENGINE START FAILED - CALL	1234*310*2#
ENGINE START FAILED - Short call	1234*310*3#
ENGINE START FAILED - Push SMS	1234*310*4#
ENGINE START FAILED - SMS & Call	1234*310*5#
ENGINE START FAILED - SMS & Short call	1234*310*6#
ENGINE START FAILED - Push SMS & Call	1234*310*7#
ENGINE START FAILED - Push SMS & Short call	1234*310*8#
Notice message option about failed Remote Start.	

ENGINE OFF notice	Sample of SMS command
ENGINE OFF - OFF	1234*311*0#
ENGINE OFF - SMS	1234*311*1#
ENGINE OFF - Call	1234*311*2#
ENGINE OFF - Short call	1234*311*3#
ENGINE OFF - Push SMS	1234*311*4#
ENGINE OFF - SMS & Call	1234*311*5#
ENGINE OFF - SMS & Short call	1234*311*6#
ENGINE OFF - Push SMS & Call	1234*311*7#
ENGINE OFF - Push SMS & Short call	1234*311*8#
Notice message option in case of emergency engine shutdown because of following: • the absence of Tach ON signal via CAN bus (for example: ran out of fuel); • drop out of “Engine is running” signal at the corresponding input; • simultaneous drop out of Tach and Ignition signals (for example: self-shutdown of vehicle).	

ENGINE WARM-UP FINISHED notice	Sample of SMS command
ENGINE WARM-UP FINISHED - OFF	1234*312*0#
ENGINE WARM-UP FINISHED - SMS	1234*312*1#
ENGINE WARM-UP FINISHED - Call	1234*312*2#
ENGINE WARM-UP FINISHED - Short call	1234*312*3#
ENGINE WARM-UP FINISHED - Push SMS	1234*312*4#
ENGINE WARM-UP FINISHED - SMS & Call	1234*312*5#
ENGINE WARM-UP FINISHED - SMS & Short call	1234*312*6#
ENGINE WARM-UP FINISHED - Push SMS & Call	1234*312*7#
ENGINE WARM-UP FINISHED - Push SMS & Short call	1234*312*8#
Notice message option in case of warm-up is over. It means that the engine had been stopped automatically or by direct control command.	

ENGINE START DENIED notice	Sample of SMS command
ENGINE START DENIED - OFF	1234*313*0#
ENGINE START DENIED - SMS	1234*313*1#
ENGINE START DENIED - Call	1234*313*2#
ENGINE START DENIED - Short call	1234*313*3#
ENGINE START DENIED - Push SMS	1234*313*4#
ENGINE START DENIED - SMS & Call	1234*313*5#
ENGINE START DENIED - SMS & Short call	1234*313*6#
ENGINE START DENIED - Push SMS & Call	1234*313*7#
ENGINE START DENIED - Push SMS & Short call	1234*313*8#
Notice message option when Remote Start is forbidden by extra-obstacles: • Alarm had been logged out during current Armed mode session (except of Shock & Tilt sensors); • module is not in the Armed mode (for option Alarm system: ENABLE); • hood open.	

HEATER ON notice	Sample of SMS command
HEATER ON - OFF	1234*314*0#
HEATER ON - SMS	1234*314*1#
HEATER ON - Call	1234*314*2#
HEATER ON - Short call	1234*314*3#
HEATER ON - Push SMS	1234*314*4#
HEATER ON - SMS & Call	1234*314*5#
HEATER ON - SMS & Short call	1234*314*6#
HEATER ON - Push SMS & Call	1234*314*7#
HEATER ON - Push SMS & Short call	1234*314*8#
Notice message option after the heater remote activation attempt. HEATER ON means: • corresponding signal had been received via CAN bus; • or “Heater monitoring” input is active.	

HEATER OFF notice	Sample of SMS command
HEATER OFF - OFF	1234*315*0#
HEATER OFF - SMS	1234*315*1#
HEATER OFF - Call	1234*315*2#
HEATER OFF - Short call	1234*315*3#
HEATER OFF - Push SMS	1234*315*4#
HEATER OFF - SMS & Call	1234*315*5#
HEATER OFF - SMS & Short call	1234*315*6#
HEATER OFF - Push SMS & Call	1234*315*7#
HEATER OFF - Push SMS & Short call	1234*315*8#
Notice message option at the end of engine heating: • corresponding signal had been received via CAN bus; • drop out of “Heater monitoring” input signal.	

ARMED MODE notice	Sample of SMS command
ARMED MODE - OFF	1234*316*0#
ARMED MODE - SMS	1234*316*1#
ARMED MODE - Call	1234*316*2#
ARMED MODE - Short call	1234*316*3#
ARMED MODE - Push SMS	1234*316*4#
ARMED MODE - SMS & Call	1234*316*5#
ARMED MODE - SMS & Short call	1234*316*6#
ARMED MODE - Push SMS & Call	1234*316*7#
ARMED MODE - Push SMS & Short call	1234*316*8#
Notice message option in case of Arming.	

DISARMED MODE notice	Sample of SMS command
DISARMED MODE - OFF	1234*317*0#
DISARMED MODE - SMS	1234*317*1#
DISARMED MODE - Call	1234*317*2#
DISARMED MODE - Short call	1234*317*3#
DISARMED MODE - Push SMS	1234*317*4#
DISARMED MODE - SMS & Call	1234*317*5#
DISARMED MODE - SMS & Short call	1234*317*6#
DISARMED MODE - Push SMS & Call	1234*317*7#
DISARMED MODE - Push SMS & Short call	1234*317*8#
Notice message option in case of Disarming.	

ARMED MODE DENIED notice*	Sample of SMS command
ARMED MODE DENIED - OFF	1234*318*0#
ARMED MODE DENIED - SMS	1234*318*1#
ARMED MODE DENIED - Call	1234*318*2#
ARMED MODE DENIED - Short call	1234*318*3#
ARMED MODE DENIED - Push SMS	1234*318*4#
ARMED MODE DENIED - SMS & Call	1234*318*5#
ARMED MODE DENIED - SMS & Short call	1234*318*6#
ARMED MODE DENIED - Push SMS & Call	1234*318*7#
ARMED MODE DENIED - SMS	1234*318*8#
Notice message option if Arming is impossible (Ignition is ON) *If this option had been set as Call (or SMS & Call, or Push SMS & Call), you can hear standard text about module status after connection.	

PERIMETER IS OPEN notice	Sample of SMS command
PERIMETER IS OPEN - OFF	1234*319*0#
PERIMETER IS OPEN - SMS	1234*319*1#
PERIMETER IS OPEN - Call	1234*319*2#
PERIMETER IS OPEN - Short call	1234*319*3#
PERIMETER IS OPEN - Push SMS	1234*319*4#
PERIMETER IS OPEN - SMS and Call	1234*319*5#
PERIMETER IS OPEN - SMS and Short call	1234*319*6#
PERIMETER IS OPEN - Push SMS and Call	1234*319*7#
PERIMETER IS OPEN - Push SMS and Short Cal	1234*319*8#
Notice message option about non-closed door, trunk or hood during Arming.	

ENGINE BLOCKED notice	Sample of SMS command
ENGINE BLOCKED - OFF	1234*320*0#
ENGINE BLOCKED - SMS	1234*320*1#
ENGINE BLOCKED - Call	1234*320*2#
ENGINE BLOCKED - Short call	1234*320*3#
ENGINE BLOCKED - Push SMS	1234*320*4#
ENGINE BLOCKED - SMS & Call	1234*320*5#
ENGINE BLOCKED - SMS & Short call	1234*320*6#
ENGINE BLOCKED - Push SMS & Call	1234*320*7#
ENGINE BLOCKED - Push SMS & Short call	1234*320*8#
Notice message option in case of engine blocking.	

ENGINE UNBLOCK notice	Sample of SMS command
ENGINE UNBLOCK - OFF	1234*321*0#
ENGINE UNBLOCK - SMS	1234*321*1#
ENGINE UNBLOCK - Call	1234*321*2#
ENGINE UNBLOCK - Short call	1234*321*3#
ENGINE UNBLOCK - Push SMS	1234*321*4#
ENGINE UNBLOCK - SMS & Call	1234*321*5#
ENGINE UNBLOCK - SMS & Short call	1234*321*6#
ENGINE UNBLOCK - Push SMS & Call	1234*321*7#
ENGINE UNBLOCK - Push SMS & Short call	1234*321*8#
Notice message option in case of engine unblocking.	

WARNING: LOW BATTERY notice	Sample of SMS command
WARNING: LOW BATTERY - OFF	1234*322*0#
WARNING: LOW BATTERY - SMS	1234*322*1#
WARNING: LOW BATTERY - Call	1234*322*2#
WARNING: LOW BATTERY - Short call	1234*322*3#
WARNING: LOW BATTERY - Push SMS	1234*322*4#
WARNING: LOW BATTERY - SMS & Call	1234*322*5#
WARNING: LOW BATTERY - SMS & Short call	1234*322*6#
WARNING: LOW BATTERY - Push SMS & Call	1234*322*7#
WARNING: LOW BATTERY - Push SMS & Short call	1234*322*8#
Notice message option in case of low battery charge. As soon as the voltage drops down the critical level (option # 134) for more than 5 minutes you are informed about it. Notification cannot be done more often than once an hour in any mode of module.	

Voice alert call when international roaming	Sample of SMS command
Voice alert call when international roaming: Disable	1234*330*0#
Voice alert call when international roaming: Enable	1234*330*1#
Barring outgoing calls in international roaming.	

SMS when international roaming	Sample of SMS command
SMS when international roaming: Disable	1234*331*0#
SMS alert when international roaming: Enable	1234*331*1#
SMS barring in international roaming.	

Optional heater	Sample of SMS command
Heater: Missed	1234*400*0#
Heater: Available	1234*400*1#
Enables to control engine heater by your phone. Voice menu changes in accordance with this setting. Corresponding SMS commands are executed or skipped too.	

Heater control	Sample of SMS command
Heater control: pulse signal	1234*401*0#
Heater control: steady signal	1234*401*1#
Heater control: CAN / LIN	1234*401*4#
Heater control: Auxiliary equipment	1234*401*5#
Choose it in accordance with type and model of installed heater. The last point “Auxiliary equipment” provides short 1.0 second pulse at the corresponding wire output. “Activate heater” / “Turn heater off” position of voice menu changes to “Auxiliary equipment control”.	

Heater work duration	Sample of SMS command
Heater work duration: 10 minutes	1234*402*10#
Heater work duration: 15 minutes	1234*402*15#
Heater work duration: 20 minutes	1234*402*20#
Heater work duration: 25 minutes	1234*402*25#
Heater work duration: 30 minutes	1234*402*30#
Heater work duration: 40 minutes	1234*402*40#
Heater work duration: 50 minutes	1234*402*50#
Heater work duration: 60 minutes	1234*402*60#
To set duration of heater work (in case of Heater control by steady signal or via CAN / LIN)	

GPRS connection	Sample of SMS command
GPRS connection: Disable	1234*600*0#
GPRS connection: Enable	1234*600*1#
Blanket prohibition of Internet connection for data transfer.	

GPRS when international roaming	Sample of SMS command
GPRS when international roaming: Disable	1234*601*0#
GPRS when international roaming: Enable	1234*601*1#
Prohibition of Internet connection in international roaming.	

Tracking	Sample of SMS command
Tracking: Disable	1234*602*0#
Tracking: Enable	1234*602*1#
To forbid or resolve tracking data transfer to the telematics server.	

Time zone	Sample of SMS command
Time zone (UTC+0)	1234*603*00#
Time zone (UTC+1)	1234*603*01#
Time zone (UTC+2)	1234*603*02#
Time zone (UTC+3)	1234*603*03#
Time zone (UTC+4)	1234*603*04#
Time zone (UTC+5)	1234*603*05#
Time zone (UTC+6)	1234*603*06#
Time zone (UTC+7)	1234*603*07#
Time zone (UTC+8)	1234*603*08#
Time zone (UTC+9)	1234*603*09#
Time zone (UTC+10)	1234*603*10#
Time zone (UTC+11)	1234*603*11#
Time zone (UTC+12)	1234*603*12#
Choose your time zone for correct time and date indication during coordinates request by SMS command Location query (1234*500*).	

Automatic check for updates	Sample of SMS command
Check for updates: Disable	1234*604*0#
Check for updates: Enable	1234*604*1#
To check the presence of newest updates automatically via GPRS. It will be done 2 hours after of the power supply connection and then regularly on weekly basis.	

Internet protocol	Sample of SMS command
Internet protocol: WebSocket	1234*605*0#
Internet protocol: TCP/IP	1234*605*1#
To support the work of the telematics server.	

Profile	Sample of SMS command
Profile: StartFone	1234*606*0#
Profile: Meta System	1234*606*1#
Profile: Autoconnex	1234*606*2#
Choose the proper profile. Attention! Default settings can be changed in accordance with the profile.	

FIRMWARE UPDATE

How to learn the current firmware version:

a) connect module to computer with running StartFone Manager Program;
b) or send SMS: **1234*55*** (*where 1234 – your access code*).

How to update firmware by USB:

1. Switch ON computer with Internet connection. Connect your module to computer by USB cable;
2. Run the setup program StartFone Manager and enter access code (*1234 by default*);
3. Select menu item **Data » Firmware update via USB » Russian** (for Russian version) or **English** or **Estonian;**
4. StartFone Manager program restarts automatically after re-flashing (E.T.A. 30-60 seconds).

Do not disconnect USB cable during updating!!!
In the case of a failed upgrade restart the program and run the update via USB again.

How to update firmware of installed module via GPRS:

1. Set the GPRS access point (if needed);
2. Make a short call to module to be sure in its network registration;
3. Send SMS: **1234*update*** (*where 1234 – your access code*) for Russian version;
4. Send SMS: **1234*update*en#** (*where 1234 – your access code*) for English version;
5. Send SMS: **1234*update*ee#** (*where 1234 – your access code*) for Estonian version;
6. Wait for the reply SMS about successful update. (E.T.A. 10-15 minutes).

Do not disconnect power or car battery during updating!!!

ALL SETTINGS REQUEST

If you want to learn the settings of your module, precisely you can do it by the following SMS commands:

Each command is responsible for its settings:

1234*555*100# - Remote Start settings;
1234*555*200# - Module settings;
1234*555*300# - Notification settings;
1234*555*400# - Heater settings;
1234*555*600# - GPRS settings;
1234*555*inout# - Input / Output settings.

REMOTE REBOOT OF MODULE

For remote reset of whole module or its integrated parts, use the following SMS commands:

1234*reset* - full reboot;
1234*reset*gsm# - GSM modem reboot;
1234*reset*cpu# - main CPU reboot;
1234*reset*can# - CAN adapter reboot.