

SMS COMMANDS				
PHONEBOOK				
SN?	*	NNNN		Add phonenumber <b>NNNN</b> to ? phonebook position (position number ? - 1 to 5)
SNO	*	NNNN		Add phonenumber <b>NNNN</b> to first empty phonebook position
SR?				Clear ? Phonebook position (position number ? - 1 to 5)
SI				Get SMS with all preprogramed numbers
SH1				Allow answer to any number and process SMS commands from any number
SH0				Allow answer only to registered numbers and process SMS command only from registered numbers
GPRS SETTINGS				
SGA	*	APN		Set APN (ask your network provider)
SGU	*	USER		Set user name (ask your network provider, leave blank if not required)
SGP	*	PASS		Set password (ask your network provider, leave blank if not required)
REGISTER				Register your alarm system on alarmserver.net
SGSE	*	STATE		Turn on/off communication with Alarm server ( <b>STATE = 1</b> - on; <b>STATE = 0</b> - off)
GPRS	:	STATE		Turn on/off communication with Alarm server ( <b>STATE = 1</b> - on; <b>STATE = 0</b> - off)
SGSR	*	ExTxSxGxFxCx		Alarm server settings. x=1 - enable; x=0 - disable. E - Report events (arm, disarm, alarm), T - Report technical information (battery voltage, temperature, GSM signal level), S - Report system status (armed, disarmed, open zones etc), G - Report geolocation (GPS and GSM towers information) F - Forward data to 3rd party server C - Use custom address for reporting to Alarm server Note: it is not necessary to send all settings if you want to disable geolocation reporting only and leave other settings unchanged you can send: SGSR*G0*
SGSP	*	PERIOD		Periodic report. <b>PERIOD</b> - value from 0 to 6. (0 - disabled; 1 - every 10min; 2 - every 30min; 3 - every 60min; 4 - every 6h; 5 - every 1d; 6 - every 2d)
SGSC	*	CMS		<b>CMS</b> - corporate account number
SGSA	*	IP:PORT		IP address and port used for report forwarding to 3rd party server (SGSR*F1) or it can be used as custom reporting address instead www.alarmserver.net (SGSR*C1)
SGT1				Enable GPS tracking
GPS:1				Enable GPS tracking
SGT0				Disable GPS tracking
GPS:0				Disable GPS tracking
OTHER SETTINGS				
SL?				Set periodic SMS test interval, ? represents interval in days (1 to 4 days)
ST	*	temp		Adjust temperature sensor, temp - current temperature (+26, -8 etc.)
SU	*	voltage		Set low battery warning voltage (type 119 for 11.9V, default 11.8V)
SF	*	FN=SN		Set alarm system function <b>FN</b> setting number to <b>SN</b> (22=1)
SW	*	time		Set engine preheater operation time period in minutes
SM	*	map		Select maps provider. Where <b>map</b> 0 or 1 (0 - maps.google.com; 1 - maps.yandex.ru)
MESSAGING SETTINGS				
? - position number in phonebook (1 to 5)				
x = 1 - Enabled				
x = 0 - Disabled				
S?Mx				Mandatory call on alarm
S?Cx				Call on alarm
S?Vx				SMS on alarm
S?Ax				SMS on arm

S?Dx				SMS on disarm
S?Ex				SMS on remote engine start/stop or engine preheater on/off
S?Tx				Trouble SMS
S?Px				Periodic test SMS
S?Fx				SMS forwarding
S?Qx				SMS command must be with PIN
S?Xx				Control over SMS forbidden
S?Sx				SMS in smartphone format (Android only)
S?Kx				Arm/Disarm with short call (CLIP)
S?Bx				SMS Backup

**PERSONAL MESSAGING SETTINGS**

x = 1 - Enabled

x = 0 - Disabled

	Default		
	for 1st	for 2-5	
SMx			Mandatory call on alarm
SCx			Call on alarm
SVx			SMS on alarm
SAx			SMS on arm
SDx			SMS on disarm
SEx			SMS on remote engine start/stop or engine preheater on/off
STx			Trouble SMS
SPx			Periodic test SMS
SFx			SMS forwarding
SQx			SMS command must be with PIN
SXx			Control over SMS forbidden
SSx			SMS in smartphone format (Android only)
SKx			Arm/Disarm with short call (CLIP)
SBx			SMS Backup

**CONTROL AND STATUS COMMANDS**

0 or 1				Get system status	
A				Arm system	
D				Disarm system	
C				Clear alarm	
G				Start engine	
Q				Stop engine	
61				Turn on optional control	
60				Turn off optional control	
99				Block the engine	
90				Unblock the engine	
X5				Get location SMS using GSM	
X6				Get location SMS using GPS	
V				Get SMS with system version	
BI				Get SMS with system BI number	
F	*	NNNN	*	text	Forward <b>text</b> to <b>NNNN</b>
X1	*	bal			Get SIM card balance, where <b>bal</b> is network provider specific command (*245#, *100# etc.)

**NOTES**

SMS message must be started with valid 4 digit alarm system PIN code  
 In front of every command \* must be added  
 At the end of command or command set (if multiple commands added) \*# must be added

SMS commands are not case sensitive ("1234*D*#" and "1234*d*#" is the same disarm command)		
It is possible to add as many commands as you want, unless total message length does not exceed 160 symbols		
Commands F and X1 must be send in separate SMS messages or added at the end of command set in this case do not add *# at the end ("1234*A*F*37067012345*Hello, this is a forwarded SMS")		
SMS command example:		
1234*A*#		Arm system, 1234 is alarm system PIN
SMS command set example:		
1234*SN1*37067012345*S1D1*#		Add phone number 37067012345 to 1st phonebook position, enable SMS on disarm to 1st number, 1234 is alarm system PIN
<b>Since firmware version 1.05</b> space character may be used instead * and *# is not necessary at the end.		
SMS command example:		
1234 A		Arm system, 1234 is alarm system PIN
SMS command set example:		
1234 SN1 37067012345 S1D1		Add phone number 37067012345 to 1st phonebook position, enable SMS on disarm to 1st number, 1234 is alarm system PIN

### VOICE MENU

1#			Arm system
0#			Disarm system
00#			Clear alarm
09#			Get system status
41#			Get location SMS using GPS
42#			Get location SMS using GSM
5#			Get SIM card balance
611#			Start engine
610#			Stop engine
621#			Turn on optional control
620#			Turn off optional control
661#			Block the engine
660#			Unblock the engine
7#			Personal settings menu
	x=1 - Enable		
	x=0 - Disable		
0x#			SMS on arm
1x#			SMS on disarm
2x#			SMS on alarm
3x#			SMS on arm, disarm, alarm, trouble SMS, periodic test SMS, call on alarm
4x#			Call on alarm
5x#			Trouble SMS
6x#			Periodic test SMS
7x#			Mandatory call on alarm
8#			Alarm system settings menu (Note: this menu available only if the call is performed from phone number added to first phonebook position)
	FN#		select alarm system function by entering its number (FN) and #
		SN#	change setting number by entering new setting number (SN) and # or press * to cancel
9#			Phonebook menu
	00#		Remove all phone numbers from phonebook

		04#			Allow answer only to registered numbers and process SMS command only from registered numbers	
		05#			Allow answer to any number and process SMS commands from any number	
		09#			Listen phonebook	
		?0#			Remove phone number from ? phonebook position (position number ? - 1 to 5)	
		?1#	NNNN#		Add phone number NNNN to ? phonebook position (position number ? - 1 to 5)	
		?2#			Add your number to ? phonebook position (position number ? - 1 to 5)	