

# GSM control and GPS navigation

## StarLine.online and mobile app

StarLine system can be remotely controlled and monitored on the starline.online web tracking platform and StarLine mobile app with life time free subscription.

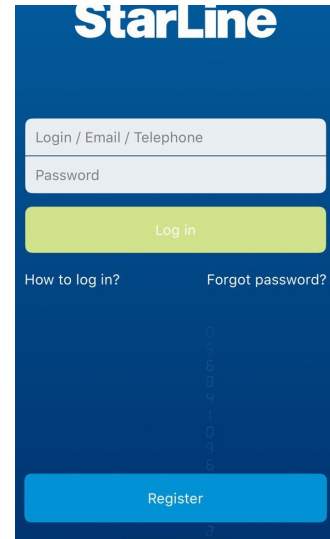
Make sure that a proper local SIM card with active balance, internet traffic and permission to operate with M2M smart devices is installed and configured at installation.

SIM card boot PIN code must be disabled prior to inserting into the main unit.

Make sure the local network support cellular standards and bands described in device technical specification.

1. Download StarLine 2 mobile app from your phone store (App Store, Google Play, Huawei AppGallery) or browse starline.online web tracking service
2. Register a new or sign in to existing StarLine account
3. Go to "**Device adding**" ("+" button) menu on the main screen, select "**Add new device**" — **Next** — "**GSM module, alarm system, smart tracker**" — "**Use activation code**"
4. Enter the one-time activation code printed on attached sticker
5. System will be registered on server and appear in device list on the main screen

Activation code can not be used again to add device into another account. Use SMS command 00581 and the one-time PIN code in this case.



## Cellular commands

System can be controlled with voice and SMS text commands from the owner master phone number (M1) and additional registered numbers (M2, M3, M4).

The first incoming call telephone number shall be automatically recorded as M1 master number. All commands received from M1 number are executed without a GSM PIN code in default configuration. PIN code is recorded by owner at initial call from M1 number. Also, this number sets up control permissions for M2, M3, and M4 phones.

Commands from guest phones are executed with PIN code in the beginning, i.e. system arming command: 1234 11; where 1234 - PIN code, 11 - arming command number.

If invalid password is entered twice from the guest number, commands from that number will be blocked for 1 hour, and alert message will be sent to the owner's M1 number

## Voice call commands


Command	Function	M1	M2, M3, M4	Guest phones
0	Listen commands menu	✓	✓	✓
10	Disarming	✓	✓	✓

Command	Function	M1	M2, M3, M4	Guest phones
101	Silent disarming	✓	✓	✓
11	Arming	✓	✓	✓
111	Silent arming	✓	✓	✓
12	Arming with shock sensor disabled	✓	✓	✓
13	Arming with auxiliary sensor disabled	✓	✓	✓
14	Arming with shock sensor warning level disabled	✓	✓	✓
15	Arming with tilt sensor disabled	✓	✓	✓
31	Activate Anti-hijack mode	✓	✓	✓
40	Request location	✓	✓	✓
41	Request vehicle state	✓	✓	✓
50	Disable Service mode	✓	✓	✗
51	Enable service mode	✓	✓	✗
70	Disable Hands Free	✓	✓	✗
71	Enable Hands Free	✓	✓	✗

## SMS text commands

Text commands	Function	M1	M2, M3, M4	Guest phones
10	Disarming	✓	✓	✓
ARM-				
O-				
101	Silent disarming	✓	✓	✓
11	Arming	✓	✓	✓
ARM+				
O+				
111	Silent arming	✓	✓	✓
12	Arming with shock sensors disabled	✓	✓	✓
13	Arming with auxiliary sensor disabled	✓	✓	✓
14	Arming with shock sensor warning level disabled	✓	✓	✓
15	Arming with tilt sensor disabled	✓	✓	✓
19	Panic activation	✓	✓	✓
PANIC				




<b>40</b>	Request location			
<b>GPS</b>				
<b>41</b>	Request vehicle state			
<b>AUTO</b>				
<b>45</b>	Request cell connection status and SIM card balance			
<b>BALANCE</b>				
<b>MONEY</b>				
<b>30 XXXX</b>	Emergency disarming, where <b>XXXX</b> - emergency disarm code from sticker with codes in your manual.			
<b>A- XXXX</b>				
<b>31</b>	Activate Anti-hijack mode			
<b>A+</b>				
<b>50</b>	Disable Service mode			
<b>S-</b>				
<b>51</b>	Enable Service mode			

<b>S+</b>				
<b>69</b>	Activate video recorder (dashcam)			
<b>VIDEOREG</b>				
<b>70</b>	Disable Hands Free			
<b>R-</b>				
<b>71</b>	Enable Hands Free			
<b>R+</b>				
<b>VALIDATOR-</b>	Reset PIN-to-Drive code by factory buttons			
<b>8N</b>	Activate FlexibleLogic program, where N - program number			
<b>SETTING+</b>	Enter configuration via BLE			
<b>SETTING-</b>	Exit configuration via BLE			







<b>FWUPDATE VER</b> <b>LANG</b>	Firmware update via internet, where VER – firmware version number (can be written without dots, optional parameter) LANG — firmware language version (optional parameter): EN, FR, DE, ES, IT, RU If no any parameter added, then the latest release version and same language firmware is uploaded			
<b>FWUPDATE STOP</b>	Stop firmware update via internet			
<b>FWUPDATE?</b>	Request status of firmware updating via internet			







## Info commands




Text commands	Function	M1	M2, M3, M4	Guest phone
<b>REG XXXX</b>	Entering "Device Registration" mode, where XXXX - emergency disarm code			
<b>05</b>	Request registered accessories list			
<b>REG?</b>				
<b>06</b>	Request current GSM PIN code			
<b>GSMPSW?</b>				
<b>07</b>	Request registered master phone numbers			
<b>TEL</b>				

PHONES				
09	Request GSM signal strength, battery voltage, firmware version status			
INFO				
















## GSM settings commands

Text commands	Function	M1	M2, M3, M4	Guest phone
0000XXXX	Record new GSM PIN code, where <b>XXXX</b> — new PIN code.			
0000 XXXX				
GSMPSWXXXX				
GSMPSW XXX				
0050XXXXYYYY	Record new emergency disarm code, <ul style="list-style-type: none"> <li>• where <b>XXXX</b> — current code;</li> <li>• <b>YYYY</b> — new code.</li> </ul>			
0050 XXXX YYYY				
PINXXXXYYYY				
PIN XXXX YYYY				

<p>0001XYXXX</p>	<p>Record new M1 phone number, where:</p>	<p></p>	<p></p>	<p></p>
<p>0001 XY XXX</p>	<ul style="list-style-type: none"> <li>• where <b>X</b> — alert call at alarm (1 — On, 0 — Off);</li> </ul>			
<p>M1XYXXX</p>	<ul style="list-style-type: none"> <li>• <b>Y</b> — SMS alert at alarm (1 — On, 0 — Off);</li> </ul>			
<p>M1 XY XXX</p>	<ul style="list-style-type: none"> <li>• <b>XXX</b> — new phone number in international format +7555555555.</li> </ul> <p>M1 phone number can not be deleted.</p>			
<p>0002XYXXX</p>	<p>Record new M2 phone number, where:</p>	<p></p>	<p></p>	<p></p>
<p>0002 XY XXX</p>	<ul style="list-style-type: none"> <li>• <b>X</b> — alert call at alarm (1 — On, 0 — Off);</li> </ul>			
<p>M2 XY XXX</p>	<ul style="list-style-type: none"> <li>• <b>Y</b> — SMS alert at alarm (1 — On, 0 — Off);</li> </ul>			
	<ul style="list-style-type: none"> <li>• <b>XXX</b> — new phone number in international format +7555555555.</li> </ul>			

M2XYXXX				
0003XYXXX	Record new M3 phone number, where:			
0003 XY XXX	<ul style="list-style-type: none"> <li>• where <b>X</b> — alert call at alarm (1 — On, 0 — Off);</li> <li>• <b>Y</b> — SMS alert at alarm (1 — On, 0 — Off);</li> <li>• <b>XXX</b> —</li> </ul>			
M3XYXXX	<ul style="list-style-type: none"> <li>• <b>XXX</b> — new phone number in international format +7555555555.</li> </ul>			
M3 XY XXX	If XY parameters and phone number not entered, then current M3 number will be deleted.			

0004XYXXX	<p>Record new M4 phone number, where:</p> <ul style="list-style-type: none"> <li>• where <b>X</b> — alert call at alarm (1 — On, 0 — Off);</li> <li>• <b>Y</b> — SMS alert at alarm (1 — On, 0 — Off);</li> <li>• <b>XXX</b> — new phone number in international format +7555555555.</li> </ul>	✓	-	-
0004 XY XXX				
M4XYXXX				
M4 XY XXX				

<p><b>ZZZZ9900PINXYXXX</b></p>	<p>Emergency changing M1 phone number:</p> <ul style="list-style-type: none"> <li>• <b>ZZZZ</b> — GSM PIN code;</li> <li>• <b>PIN</b> — emergency disarm code;</li> <li>• <b>X</b> — alert call at alarm (1 — On, 0 — Off);</li> <li>• <b>Y</b> — SMS alert at alarm (1 — On, 0 — Off);</li> <li>• <b>XXX</b> — new phone number in international format +7555555 5555.</li> </ul> <p>This command can be sent from any phone number.</p>			
<p><b>ZZZZ 9900 PIN XY XXX</b></p>				
<p><b>ZZZZEM1PINXYXXX</b></p>				
<p><b>009401</b></p>	<p>Enable all control commands for M2 as for M1</p>			
<p><b>M2+</b></p>				
<p><b>009400</b></p>	<p>Disable all control commands for M2 as for M1</p>			
<p><b>M2-</b></p>				
<p><b>009500</b></p>	<p>Enable control commands from guest phones</p>			
<p><b>GUEST+</b></p>				
<p><b>009501</b></p>	<p>Disable control commands from guest phones</p>			

<b>GUEST-</b>				
<b>00961</b>	Enable GSM PIN request for M1			
<b>M1PSW+</b>				
<b>00960</b>	Disable GSM PIN request for M1			
<b>M1PSW-</b>				
<b>APN?</b>	Request active SIM card APN			
<b>APN NAME LOGIN PSW</b>	<p>Record APN for active SIM card, where:</p> <ul style="list-style-type: none"> <li>• <b>NAME</b> — APN name (mandatory parameter)</li> <li>• <b>LOGIN PSW</b> — login and password for access (optional parameters).</li> </ul> <p>If no any parameters entered, then current APN settings will be deleted.</p>			
<b>00520</b>	Disable notification on switching to roaming			
<b>00521</b>	Enable notification on switching to roaming			
<b>00522</b>	Enable notification on switching to roaming with automatic data internet off			
<b>00523</b>	Enable data internet in roaming			
<b>00524</b>	Disable data internet in roaming			

<b>0069X</b>	Setting interval of forwarding all incoming SMS from unregistered numbers and USSD from cell carrier to M1 phone, where: <b>X</b> — interval in min (1 - 60 min).			
<b>FORWARD X</b>				



















## SIM cards switching

Text command	Function	M1	M2, M3, M4	Guest phones
<b>SIMMAIN X</b>	Record priority SIM card, where: <b>X</b> — priority operation SIM card (0 — no priority SIM card, both are equal; 1 — 1st SIM is main, 2nd SIM card is supplementary; 2 — 2nd SIM is main, 1st SIM card is supplementary). Value 1 is set as default.			
<b>SIMMAIN?</b>	Request current SIM cards priority			
<b>SIMNUM?</b>	Request operating SIM cards number			

## Periodic connection mode control (Beacon mode)

Text command	Function	M1	M2, M3, M4	Guest phone
<b>MAYAK+</b>	Enable periodic connection mode (Beacon mode)			
<b>MAYAK-</b>	Disable periodic connection mode (Beacon mode)			

## Auxiliary commands

Text command	Function	M1	M2, M3, M4	Guest phone
K1+	Universal output №1 On			
K1-	Universal output №1 Off			
K2+	Universal output №2 On			
K2-	Universal output №2 Off			
K3+	Universal output №3 On			
K3-	Universal output №3 Off			

---