StarLine V63

Installation and user manual

Please, read it carefully !

Installation of the security system should be carried out by qualified specialists. StarLine V63 is a complex technical device, involving connection to motorcycle circuits, associated with an engine.

We strongly recommend NOT to carry the system remote control on one bundle with the motorcycle keys.

If this battery discharge icon appears on remote display, you should replace the battery in asap. We recommend to store a spare battery in the motorcycle in its original packaging.

Please read this manual carefully, pay attention to the sections marked with (WARNING!).

Warning! In modern motorcycles batteries of relatively small capacity of 4-12 Ah are used. When the motorcycle is parked for a long time, StarLine V63 system current consumption may lead to a decrease in the battery charge to a level at which the engine can not be started. It is estimated that with a current consumption of 5 mA, the autonomous system operation time reaches:

f or 12 A•h battery	– 60 days
f or 7 A•h battery	– 36 days
f or 4.5 A•h battery	– 23 days

However, these calculations are valid for a new, fully charged battery at normal temperature (20 ° C). In real operation process the energy stored in battery is often significantly less than the maximum possible (undercharging, low temperature, partial battery life deterioration).

When motorcycle is parked for a long time, do not forget to check the battery voltage serially on remote control display. If the battery voltage has dropped to the level of 11.5 V and below - take measures to recharge the battery.

Content

Introduction

StarLine V63 — innovative security system with dialog code for motorcycle, ATV, scooters and other motorcycle type machines.

Innovative security functions supported

DIALOG CODE
Dialog code with individual 128 bit encryption keys StarLine V63 control eliminates intelligent hijacking

RADIO INTERFERENCE PROOF
StarLine V63 stably operates in severe city radio interference due to unique integrated 128-channel narrow band transceiver

SHOCK AND TILT SENSOR
Smart 3D accelerator control with remote settings registers shocks, tilts and evacuation of a motor bike

RECORD ENERGY EFFICIENCY
StarLine guarantees low energy consumption, saving sufficient motorbike charge up to 60 days in arm mode due to patented progressive technologies and firmware solutions

SHOCK RESISTANT REMOTE
Remote with an innovative shock resistant housing has an ergonomic design and an internal protected antenna

Delivery set

– installation and user manual

– system main unit with integrated shock and tilt sensor;

– 2-way remote sensor with LCD;

–LCD remote control battery;

–additional 1-way remote control;

–horn;

–main cable with 14 - pin connector;

–magnet sensor, 4 screws, magnet;

–straps kit

Technical description

- RF control channel ..... from 433,05 to 434,79 MHz
- Radio channels quantity 128
- Max main remote operating distance
  - for commands transmission ..... 600 m*
  - for notifications receiving ..... 1200 m*
- Max additional remote operating distance ..... 15 m*
- Shock tilt sensor type ..... integral 3D accelerometer
- Working temperature range ..... from -50 to +85 °C
- Input power voltage ..... 9 - 18 V
- Power consumption in arm mode ..... 5 mA

Max output amperage:

- horn connection ..... 2 A
- hazard lights connection ..... 2x 5 A
- integrated blocking relay ..... 15 A

- LCD 2-way remote power ..... 1,5 V (1 AAA battery)
- Additional 1-way remote power ..... 3 V (1 CR240 battery

** The range of the remote controls may decrease depending on the location of the transceiver, motorcycle and owner location, radio interference, weather conditions, motorcycle battery voltage and remote battery voltage level.*

System security and service functions

Secured zones and control ways

- motorcycle – from the motion (tilt sensor);
- motorcycle – from shocks (2 level shock sensor);
- trunk – from opening (magnet sensor);
- ignition– from switch on (ignition control input);
- engine – from starting (integrated blocking relay);
- additional secured zone (auxiliary sensor);
- auxiliary blocking (external blocking output).

System safety

- dialog code with individual 128 bit encryption keys control eliminates intelligent hijacking;
- unique patented 128-channel narrow band transceiver provides stabile operation in severe city radio interference;
- status backup memory and returning to initial status external power recovery;
- limit of alarm signal cycles activated by sensors;
- alarm signals abort without disarming.

System security and antitheft functions

- 6 independent security zones;
- sound and light alarm signals by sensors activation;
- alarm alerts on 2-way remote;
- auto arm mode return after occasional disarming;
- remote Panic mode activation;
- remote Anti0hijack mode activation;
- immobilizer programmable mode;

- NO / NC type contacts of integrated engine blocking relay;
- NO / NC type of trunk input (programmable);
- alarm alerts to the main 2-way remote

- silent security mode
- silent security arming / disarming;
- auto security arming;
- immobilizer mode;
- anti-hijack mode;
- personal programmable emergency disarm password;
- owner SMS alert of alarm activation (optional with StarLine M17 tracker)
- motorcycle tracking in case of evacuation and self trip ((optional with StarLine M17 tracker);

Self diagnostics and modes indication

- intuitive 2-way LCD remote control;
- LED backlight of remote LCD ;
- auto faulty sensors control and deactivation and alert to remote LCD

- system state indication with LED and in LCD remote;

- systems state and 6 secured zones alarm alert reasons indication;

- fault zone indication in arm enabling;
- correct working limit switches LED indication.

System service functions

- auto (passive) alarm security arming;
- auto security arm return after occasional disarming;

- silent security arming / disarming;
- sound signals disable in alarm mode;

- possibility of multiple remote tilt sensor disable / enable during one security cycle;
- possibility of shock sensor multiple remote disable / enable by levels during one security cycle;

- motorcycle searching in parking lot;
- emergency security disarming without remote with personal PIN-code;

- remote valet mode enable / disable;
- integrated tilt sensor remote sensitivity setup;
- integrated shock sensor remote sensitivity setup;
- horn confirmation signals volume remote setup;

- remote controls remote programming;

- registered remotes list control;
- 2-way remote vibro mode;
- 2-way remote battery charge level control;
- 2-way remote display LED back light;
- valet mode;
- remote occasional buttons pressing protection;
- motorcycle battery voltage indication;
- new remotes registering and lost remotes deleting;

- system modes and functions remote setup;

- time and alarm clock indication.

System control with remotes

Remote controls

The systems is equipped with 2 remote controls:

main 2-way remote

4–buttons 2-way LCD remote

additional 1-way remote

3–buttons 1-way remote

Main and additional remotes are equal in RF channel encryption with using of dialog code encryption algorithm, protected from hacking.

System state alert is transmitted to remote when:

–sensors and alarm activation;
–other remotes commands implementation;
– changing on systems modes and functions;

The current status is shown on the display, the sound, vibration signals and display back light are enabled.

In addition, remote display shows current time, alarm clock status and motorcycle battery voltage.

To get use of the most security system features we recommend using the main 2-way remote control. The additional 1-way remote only if you can not use 2-way main remote. The additional 1-way remote is intended only for the basic control commands transmission.

Remote control buttons pressing duration

In this instruction the following buttons pressing duration and sequence definitions are used:

- **Short press** - one press of a button (or two buttons) lasting less than 0.5 seconds.
- **Long press** - pressing and holding the button (or two buttons) until a melodic sound signal appears.
- **Double tap** - two presses of one button during 1 second.
- **Sequential pressing** — double one or several buttons pressing. First pressing should be long until sound signal, second pressing should be short after the first button release.

Main remote commands

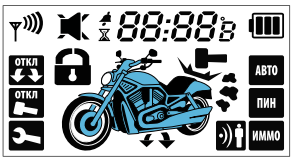
Security functions control

Command	Press the buttons		Conditions		
	Main remote button number	Additional remote button number	Ignition	Icons	Security
Security arm (with sound confirmation signals)	**1 short**	**1 short**	disable	any except 	Off
Security disarm (with sound confirmation signals)	**2 short**	**2 short**	disable	any except 	On
Security arm (without sound confirmation signals)	**1 + 1 sequential**	**1 double**	disable	any except 	Off
Security disarm (without sound confirmation signals)	**2 + 2 sequential**	**2 double**	disable.	any	On
Arm the silent security	**1 + 2 sequential**		disable	any except 	Off
Disarm the silent security	**1 short**		disable		On

Command	Press the buttons		Conditions		
	Main remote button number	Additional remote button number	Ignition	Icons	Security
Abort the panic signals	2 short 3 short		no matter	any	On
Enable Panic mode	1 + 3 long until ♫		Off	any except 	no matter
Enable / disable Auto security arm function	1 + 3 sequential		no matter	any except 	no matter
Disable / enable immobilizer mode	1 + 4 sequential		no matter	any except 	no matter
Disable / enable shock sensor by levels	1 double	2 + 1 sequential	Off	any except 	On
Disable / enable tilt sensor	2 double	2 + 2 sequential	Off	any except 	On

Command	Press the buttons		УСЛОВИЯ		
	Main remote button number	Additional remote button number	Ignition	Icons	Security
Enable Anti-hijack mode	**1 + 3 long until ♫**	**1 + 2 long until ♫**	On	any except 	Off
Security state and battery voltage request	**3 short**		no matter	any	no matter
Search the motorcycle	**4 + 4 sequential**	**3 short**	Off	any	no matter
Enable / disable Valet mode	**2 + 1 sequential**		no matter	any	Off
Horn confirmation signals volume setup	**4 + 1 sequential**		Off	any	Off
Shock sensor sensitivity setup	**3 + 3 sequential**		Off	any	Off
Tilt sensor sensitivity setup	**4 + 4 sequential**		Off	any	Off

2-way remote LCD



Modes and functions indication

Valet mode

АВТО Security auto arming mode

ПИН Personal PIN code programmed

ИММО Immobilizer mode

System and motorcycle state indication

Security mode disarmed

Security mode armed

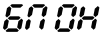
Security mode with sound signals armed

Silent security mode armed

Microwave sensor enabled

ОТКЛ Tilt sensor disabled

Shock sensor 1st and 2nd levels bypass



Remote control buttons locked

Trunk is open  .

Ignition is On

Remote battery needs to charge

Alarm clock is enabled

Countdown timer is enabled

Control commands transmission

Shock sensor 1st level activated

Shock sensor 2nd level activated

Tilt sensor activated

LCD 2-way remote main menu

LCD remote menu allows to make following settings:

- setup the current time;
- setup the alarm clock;
- enable and disable alarm clock;
- setup countdown timer;
- enable or disable timer;
- setup panic mode signal volume or vibro mode.

To enter the functions menu press and hold 4 buttons until 1st melody and then 2 short sound signals:

remote display

- present time digits are flashing;
- begin time setup during 8 seconds: button 2 — increase digits; button 3 — decrease digits.

1 Press button 4 to go to present minutes setup:

remote display

present minutes digits are flashing:
button 2 — increase digits;
button 3 — decrease digits.

2 Press the button 4 shortly go to alarm clock hours:

remote display

alarm clock hours digits are flashing:
button 2 — increase digits; button 3 — decrease digits.

3 Press the button 4 shortly to go to alarm clock minutes setup:

remote display

alarm clock minutes digits are flashing:
button 2 — increase digits;
button 3 — decrease digits.

4 Press the button 4 shortly to go to alarm clock enable and disable:

remote display

alarm clock icon is flashing:
button 2 — alarm clock enable (ON);
button 3 — alarm clock disable (OFF).

5 Press the button 4 shortly to go to timer hours setup:

remote display

timer hours digits are flashing:
button 2 — increase digits;
button 3 — decrease digits.

6 Press the button 4 shortly to go to timer minutes setup:

remote display

timer minutes digits are flashing:
button 2 — increase digits;
button 3 — decrease digits.

7 Press the button 4 shortly to go to timer enable / disable:

remote display

timer icon is flashing:
button 2 — timer enable (ON);
button 3 — timer disable (OFF).

8 Press the button 4 shortly to go to sound signals volume setup or turn to silent mode:

remote display

button 2 — remote signals volume setup:

ГРУ6В— loud signals;
СПАБВ — quiet signals.

button 3 — enable silent mode

ВИБРВ — remote sound signals disabled, vibration mode is enabled.

9 Press the button 4 shortly to go to remote sound signal type:

remote display

icon “1“ or “2” flashes;

button 3:
СИГ 19 — sound signal «SIREN».

button 2:
СИГ29— sound signal «TRILL».

10 Press the button 4 shortly to go to remote as a tag mode enable / disable:

remote display

Press button 2:
(tag mode is enabled)

Press button 3:
(tag mode is disabled)

Turn remote in a tag mode if StarLine V63 operates in a SLAVE mode. See at p. 53.

If during 8 sec no any buttons pressed, remote will exit the function programming mode automatically.

The system security and anti-theft functions

Security arming with confirmation signals

Before security arming make sure that:
- ignition is Off;
- trunk is closed.

Press the remote button 1:

motorcycle	remote
• 1 horn signal will follow; • 1 lights flash will follow • the LED indicator will start flashing	• 1 sound signal; • the arm mode icon will appear 

If the trunk is not properly closed or trunk switch is faulty (closed constantly), so the system will alert the fact with 4 horn signals and 4 lights signals (see «Self diagnostics while security arming», p. 28).

Security arming without sound confirmation signals

Before disarming make sure that:
- ignition is Off;
- trunk is closed.

Press remote control button 1 until sound signal , then shortly:

motorcycle

- 1 light flash will follow;
- LED indicator will starts flashing.

remote

- 1 sound signal will follow;
- arm mode indicator will appear.

If the trunk is not properly closed or trunk switch is faulty (closed constantly), so the system will alert the fact with and 4 light signals (see «Self diagnostics while security arming», p. 28).

Silent security arming

All sound signals in silent security mode are absent in case of any sensors detection. Panic is indicated with only light alerts.

Press remote button 1 long until sound signal, then press button 2 shortly:

motorcycle

- 1 light flash will follow;
- LED indicator starts flashing.

remote

- 1 sound signal will follow;
- arm mode indicator will appear.

If the trunk is not properly closed or trunk switch is faulty (closed constantly), so the system will alert the fact with 4 light signals (see «Self diagnostics while security arming», p. 28).

Automatic security arming

For automatic security arming this function should be activated and the particular icon should be indicated on remote display.

Press remote button 1 until sound signal then press button 3 shortly:

motorcycle

- 1 light flash will follow

remote

- 1 sound signal;
- auto arming icon will be indicated.

In 30 seconds after ignition switch Off the security will arm automatically.

motorcycle

- 1 siren alert will follow;
- 1 light flash will follow.

remote

- 1 sound signal;
- arm mode indication will appear.

If ignition is On, automatic security arming will not happen. If the trunk is open, after security arming 4 siren signals and 4 light flashes will follow.

Automatic arm mode return

If ignition was not switched On during 30 sec after security disarming, so the system will turn back to an arm mode.

Attention! The repeat security arming will be confirmed with 1 siren signal and 1 light flash. Remote will give 1 sound signal. The engine will be blocked. The LED indicator will start flashing in arm mode. If the trunk is not properly closed or trunk switch is faulty (closed constantly), so the system will alert the fact with 4 siren signals and 4 light flashes. One remote sound signal will follow.

Press remote button 2 after disarming if need disable an automatic arm mode return mode.

Self diagnostics in security arming

The system checks all the secured zones when arm mode is activated.

- trunk is closed improperly;
- trunk limit switch is faulty (constantly closed).

Arm the security with pressing

motorcycle

- 4 siren signals;
- 4 light flashes;
- the particular zone will be eliminated from security contour.

remote

- 1 sound signal;
- the eliminated zone is indicated

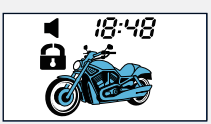
Close the trunk.

motorcycle

- the particular zone will be taken to secured controur.

remote

- 1sound signal;
- the secured zone will be indicated.



In case of spontaneous of a malfunction elimination in the arm mode, the system will take it to the guard.

Security disarming with confirmation signals

Disarm security with pressing remote button 2:

motorcycle

- 2 siren sound signals will follow;
- 2 light flashes will follow.

remote

- 2 sound signals;
- disarm mode indication will appear.

If 3 siren sound signals and 3 light flashes appear when disarm, it means that there was sensors activation while security armed mode (see «Self diagnostics while security disarming», p. 34).

Security disarming without sound confirmation signals.

Press remote button 2 long until sound signal appear, then press shortly:

motorcycle

- 2 light flashes will follow.

remote

- 2 sound signals will allow;
- security disarm mode indication will appear.

If 3 siren sound signals and 3 light flashes appear when disarm, it means that there was sensors activation while security armed mode (see «Self diagnostics while security disarming», p. 34).

Security disarming without remote control

Security disarm without remote algorithm depends on the chosen disarm way: with personal code or without. The chosen way is indicated on remote LCD display.

remote

- Disarming without personal code is setup.

remote

- Disarming with personal code is setup.

If disarm without personal code is chosen:

1 Turn On and turn Off ignition

motorcycle

- panic signals will start.

2 2 sec after step 1 during 3 sec switch On and switch Off ignition 3 times in a row.

motorcycle

- the LED indicator will turn on for 3 sec.

3 During 3 sec after LED indicator is turned off switch On and Off ignition again 3 times in a row.

motorcycle

- 2 siren sound signals will follow;
- lights will flash 2 times;
- security mode will disarm.

If 3 siren sound signals and 3 light flashes appear when disarm, it means that there was sensors activation while security armed mode (see «Self diagnostics while security disarming», p. 34).

If disarming with personal code is chosen:

1 Turn On and turn Off ignition

motorcycle

- panic signals will begin.

2 2 later after step 1 turn On and Off ignition 3 times during 3 seconds.

motorcycle

- the LED indicator will turn on for 3 seconds.

3 During 3 sec after LED indicator is Off switch ignition following way: ON- OFF - ON - OFF - ON - OFF - ON.

motorcycle

- 4 siren sound signals will follow.

4 Turn off ignition.

motorcycle

- LED indicator will start flashing, counting personal code digits: 1 flash - digit “1”, 2 flashes - digit “2”, 3 flashes - digit “3” and etc.

5 Count the LED indicator flashes quantity, corresponding to the 1st digit of the personal code and turn On ignition. Turn ignition Off, count the flashes quantity corresponding to 2nd code digit and turn ignition On. Enter the last 3rd and 4th code digits the same way.

Turning on the ignition while the LED indicator flashes will interrupt the emergency disarm procedure so the disarm procedure should be performed from the very beginning.

Self diagnostics while security disarming

While disarming security the system informs about sensors activation alerts occurred while arm mode.

Disarm security with any of methods (see p. 29–31):

- If alert signals **were interrupted** from remote control:

motorcycle

- 2 siren signals will follow;
- 2 light flashes will follow;
- guard mode will disarm.

remote

- 2 sound signals will follow
- if sensors activation reason is not eliminated, the zone of activated will be indicated.

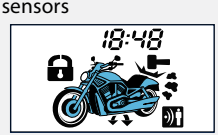
- If alert signals **were not interrupted** with remote**:**

motorcycle

- 3 siren signals will follow;
- 3 light flashes will follow;
- security will disarm.

remote

- 3 sound signals will follow;
- the activated sensors zones will be indicated.



Alarm signals

If any of security sensors is triggered in the guard mode this will automatically activate alarm signals: siren sounds and light flashes. The remote will give alert beep sounds and the display will indicate the alarm activation reason. While siren sounds the remote display will indicate flashing icon corresponding to the triggered zone. The panic signals are given in cycles. The one cycle duration and maximum possible number of cycles for different activation reasons are specified in below table.

Alarm reason	Icon on display	1 alarm cycle duration	Number of cycles if sensor is constantly triggered	Number of cycles if sensor is triggered multiple times
1 level of shock sensor		3 sound signals 6 light flashes	1	8
2 level of shock sensor		20 sec 3sound and light signals	1	8
Tilt sensor		30 sec sound and 35 sec light signals	1	unlimited
Microwave sensor		30 sec sound and 35 sec light signals	1	unlimited
Trunk		30 sec sound and 35 sec light signals	1	unlimited
Ignition		30 sec sound and 35 sec light signals	unlimited	unlimited

Remark:

1) If the reason of alarm activation will not be eliminated after alarm cycle finish (for example, trunk is still open), so the corresponding zone will be cancelled from security contour until the alarm reason is eliminated (for example, until trunk will be closed). At this time the alarm activation reason is still indicated at remote display

2) If alarm alerts were interrupted with remote so the number of alarm cycles while periodic sensor triggering starts again.

Alarm alerts interruption without security disarming

motorcycle

- any secured zone sensor is triggered;
- alarm signals are activated.

remote

- alarm alerts are activated;
- triggered sensor zone is indicated.

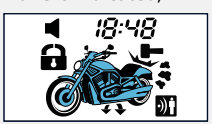
Press any of 2, 3 or 4 buttons of remote:

motorcycle

- panic signals will stop;
- the triggered sensor will be eliminated from the secured contour.

remote

- alert signals will stop;
- triggered sensor zone is indicated;
- guard mode is still active.



System protection from the power disconnection

Short power disconnection (for example, battery terminal removing) does not disarm the system. It remembers the state and will keep the previous state after power supply recovery (see the state table). After power supply recovery:

- 3 light signals will follow;
- the remote will give melodic sound signal.

If the autonomous powered siren is connected to the system, so the siren will activate alarm sounds in case of power supply disconnection.

System state before power supply Off	System state after power supply recovery
Security disarmed	Security disarmed
Security is armed	Security is armed
Alarm mode, activation reason is eliminated	Security is armed
Alarm mode, activation reason is not eliminated	Alarm mode is On
Immobilizer mode is activated	Immobilizer mode is activated
Anti-hijack mode is activated	Anti-hijack mode is activated
Valet mode is activated	Valet mode is activated

Anti-hijack mode enabling with remote

While ignition is on or engine is operating press and hold 1 and 3 remote buttons together:

motorcycle

- light and sound signals will turn;
- constant engine blocking will engage.

remote

- alarm beep will sound;
- vibro signal will turn on.

Anti-hijack mode disabling

Press the remote button 2:

motorcycle

- 2 siren sound signals will follow;
- 2 light flashes will follow.

remote

- 2 beep sounds will follow.

Panic mode»

While Panic mode activation the light and sound alarm signals are turned on for 15 seconds.

With ignition Off press 1 and 3 remote buttons long and simultaneously :

motorcycle

- light and sound alarm signals will be activated for 15 seconds;
- guard mode will arm (if it was disarmed).

remote

- 1 beep signal will sound;
- guard mode armed will be indicated.

After panic light and sound signals stop the guard mode will still activated. To stop alarm signals in Panic mode press button 1 or button 2.

Light and sound panic signals will stop, guard mode is still active.

Immobilizer mode

In immobilizer mode enabled the engine will be blocked automatically after 30 seconds sinse every ignition disabling.

Immobilizer mode enabling

Press remote button 1 long until beep sound appear and then press button 4:

motorcycle

- 1 light signal will follow.

remote

- 1 melodic sound will follow;
- immobilizer mode indication will appear.

Engine blocking disabling in immobilizer mode

Press remote button 2 shortly:

motorcycle

- the engine blocking will disable;
- 2 siren sounds will follow.

Immobilizer mode disabling

Press remote button 1 long until beep sound appear, then press button 4 shortly:

motorcycle

- 2 light signal will follow.

remote

- 1 melodic signal will follow;
- immobilizer mode disable indication will appear.

The system service functions

Motorcycle state and battery voltage control

You may use this command in any mode to check the present system state and battery voltage.

Press remote button 3 shortly:

remote

- melodic sound will follow;
- present system state will update;
- the battery voltage will be indicated for a moment.

Motorcycle search in a parking lot

Press remote button 4 twice:

motorcycle

- the system will show the bike place with 6 light flashes;
- 6 panic siren signals will sound.

remote

- melodic signal will sound;
- display backlight will turn on for 5 seconds

Temporary shock sensor disabling

1 Press button 1 twice shortly in guard mode:

motorcycle

- 2 light signals will follow;
- shock sensor 1 level will disable.

remote

- melodic signal will sound;
- temporary disable of shock sensor 1 (warning) level will appear.

2 Press button 1 twice shortly in a guard mode:

motorcycle

- 3 light signals will follow;
- both shock sensor levels will disable

remote

- 3 sound beep signals will follow;
- temporary both shock sensor levels indication will appear.

3 Press button 1 twice shortly in a guard mode to activate shock sensor:

Shock sensor can be disabled by each level and reactivated unlimited times in a guard mode.

Tilt sensor temporary deactivation

1 Press button 2 twice shortly in a guard mode:

motorcycle

- 3 light signals will follow;
- tilt sensor will disable.

remote

- melodic signal will sound;
- temporary tilt sensor disable indication will appear.

2 Press button 2 twice shortly in a guard activate the tilt sensor:

Tilt sensor can be disabled and reactivated unlimited times in a guard mode.

Remote battery charge control on a display

Remote battery charge control is performed in every buttons pressing.

remote

- in a critical battery discharge the corresponding icon will appear on a display;
- need replace the battery.

Valet mode

For temporary security and anti-theft functions deactivation, for example, while motorcycle maintenance, it the valet mode activation is recommended.

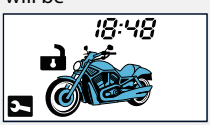
Press remote button 2 long until beep signal then, press button 1 shortly:

motorcycle

- 1 light signal will follow

remote

- melodic signal will sound;
- valet mode icon will be indicated constantly.



Valet mode cannot be activated in a guard mode.

To anable Valet mode press again button 2 long until beep sound, then press button 1 shortly:

motorcycle

- 2 light flashes will follow.

remote

- melodic signal will sound;
- icon will be disabled.

Remote buttons locking

To lock remote buttons press short and simultaneously buttons 2 and 4.

remote

- 1 beep signal will sound;
- 6n0H note will be indicated for 2 sec;
- buttons will **lock.**

For buttons unlocking press short and simultaneously buttons 1 and 4.

remote

- 1 beep signal will sound;
- buttons will **unlock.**

Remotes registering to the system memory

Remotes registering is performed in disarmed mode in the following order:

1 Turn On and Off the ignition 3 times in a row.

motorcycle

- LED indicator will turn on for 3 seconds.

2 Turn On and turn Off ignition and hold it On during 5 seconds after LED indicator is turned off.

motorcycle

- 5 siren signals will sound.

3 Press short and simultaneously and shortly buttons 1 and 2

motorcycle

- 1 siren sound will follow.

remote

- 1 beep signal will sound.

Repeat step 3 for all remotes to be registered. Interval among every remote registry should not exceed 5 seconds. Successful registration of every remote will be confirmed with the corresponding siren sounds number.

3 Turn Off ignition

motorcycle

- 3 light flashes will follow

Warning! Total 4 remotes can be registered to the system memory. While new remotes registration it is necessary reregister old ones, otherwise they will be deleted. For 1-way 3-buttons remote registration use also 1 and 2 buttons combination.

Personal emergency disarm password setup and changing

Personal emergency disarm password consists of 4 digits from 1 to 6 each.

Personal emergency disarm password is disabled in default.

1 Turn ignition On and Off 3 times in a row.

motorcycle

- LED indicator will turn On for 3 seconds.

2 Turn ignition On and Off 4 times in a row and hold it On during 5 seconds after LED indicator is turned Off.

motorcycle

- 4 siren sounds will follow.

remote

- personal password empty spaces will be indicated on a display

3 During 5 seconds enter 4 password digits consistently by pressing remote buttons according to below table

Paasword digits	Remote buttons pressing rule
1	One short press of button 1
2	One short press of button 2
3	One short press of button 3
4	Double press of button 1 (1st press is long, 2nd press is short)
5	Double press of button 2 (1st press is long, 2nd press is short)
6	Double press of button 3 (1st press is long, 2nd press is short)
Disable personal password	2 short presses of button 4

After personal password entering it will be recorded into the system memory. Icon of a personal password enabled will be displayed.

Personal password won't be stored until all 4 digits are entered.

Integrated shock sensor setup

StarLine V63 provides only main shock sensor level sensitivity setting. Warning level of shock sensor is automatically set in half of main level sensitivity. Main shock sensor level is setup with remote. Total 8 sensitivity levels are exist.

1 – maximum sensitivity;
8 – minimal sensitivity.

1 Press button 3 lomg until beep sounds, then press shortly:

motorcycle

- 3 light flashes will follow;
- 2 siren sound signals will follow.

remote

- melodic signal will sound;
- shock sensor sensitivity level will be indicated.

Button 2 — increases the value;
Button 3 — decreases the value.

2 To store sensitivity level press button 3 long until sound signal appear, then press shortly.

Integrated tilt sensor setting

Integrated tilt sensor setting is handled with remote control. Total 8 sensitivity levels exist.

1 – max sensitivity;
8 – min sensitivity.

1 Press button 4 long until beep signal sounds, then press shortly:

motorcycle

- 3 light flashes will follow;
- 3 siren signals will follow.

remote

- melodic sugnal will sound;
- the shock sensor sensitivity level setted will be indicated.

Button 2 — increase the value;
Button 3 — decrease the value.

2 To store the setted value press button 4 long until beep signal sounds, then press shortly:

Confirmation signals volume level setup

Confirmation signals volume level is setted with remote.
Total 9 volume levels exist.

1 – min volume;
9 – max volume.

1 Press button 4 long until beep signal sounds, then press button 1 shortly:

motorcycle

- 3 light flashes will follow;
- 2 siren signals will sound.

remote

- melodic signal will follow;
- the setted volume level will be indicated.

Button 2 — increased volume
Button 3 — decreases volume.

2 To store the volume level press button 4 long until beep signal sounds, then press 1 shortly:

SLAVE mode

General information

All the system security and service functions are still active in a SLAVE mode. Both main 2-way and auxiliary 1-way remotes retain all the control functions after turning into SLAVE mode. StarLine V63 still can be armed, disarmed with remotes. In case of any sensor triggering the activated zone will be displayed on remote display and alarm signal will sound. Along with the regular control functions, the remotes begin work as the tags in a SLAVE mode. The tag recognize distance is from 5 to 25 meters.

Anti-theft and hijack protection of motorcycle

- Owner authorization with tags (dialog code algorithm).
- Engine blocking disable with tag authorization or personal password entering.
- Tag authorization in case of a particular event (programmed).

SLAVE mode advantages

- Allows to control over the motorcycle seccurity with remote - tag authorization. It is enough to hold the remote in a pocket without pressing the buttons.

Main terms and determinations

Tag - autonomous автономное receiving - transmitting devicewhich can be recognized by system in a short distanse. Both StarLine V63 main and additional remotes can be used as a tag. Below in text the tag means any of main or additional remotes turned to the tag mode (see. p. 60 or 63).

The main tag fiunction is to respond on owner authosirzation request, sent by StarLine V63 main unit.

Authorization procedure start event - event (owner action), leading to the tag search start.

Owner authorization - owner identification procedure. Needs to disamr the guard and disable engine blocking. To disarm security and disable engine blocking the tag should be detected in visibility zone. If StarLine V63 detects the tag after guard arming , so the guard mode will be disarmed and engine wblocking will disable.

System control in Slave mode

Control on StarLine in a SLAVE mode is performed automatically and does not need any addtional devices.

Guard arm and disarm is made with use of original motorcycle control parts (for example, by the brake pedal or clutch pressing).

In this case one of those original pedal limit switches should be connected to one of StarLine V63 main unit inputs: trunk input or auxiliary sensor input. This imput will be assigned as control input. Se the the more detailed inofrmation on selecting, connection and programming the control input mode at p. 58, 67, 71 и 72 соответственно.

Guard mode arming

Before arming the guard make sure that ignition is Off.

1 Press and release the brake pedal (clutch or etc.)

motorcycle

- 1 light flash will follow;
- 2, 5 or 10 seconds later the guard mode will be armed; (the time of arm delay is programmed, seee at p. 66).

2 After the arm delay the guard mode will be armed.

motorcycle

- 1 light flash and 1 siren sound will follow;
- the security mode will arm;
- the security system LED indicator will start flashing.

If trunk limit switch or auxiliary sensor malfunction, the system will alert the fact with **4 light flashes.**

**We recommend discuss with the installer specialist which particular switch (brake, clutch pedal etc.) to be connected to the system control input.*

Guard disarming

1. Press and release the brake pedal (clutch or etc.)
2. Tag search will start (owner authorization). Search will proceed during 20 seconds.
3. Authorization is passed successfully, the tag is detected.

motorcycle

- 2 light flashes and 2 siren sounds will follow;
- the guard mode will disarm;
- the LED indicator will shut down.

If security disarm is followed with **4 light flashes** it means that the alarm was activated while the guard mode.

**We recommend discuss with the installer specialist which particular switch (brake, clutch pedal etc.) to be connected to the system control input.*

Owner authorization

To turn off the guard mode StarLine central unit needs "see" the tag in the stable communication area. The tag search is activated by a certain event - by control input status changing (for example, when the brake pedal or clutch is pressed).

When a mark is detected the interactive radio dialog between StarLine V63 main unit and the tag is activated. If the label is identified as "owner", StarLine V63 will disarm the guard and disable the engine lock.

If the tag is not detected during 20 seconds, the search will finish, one cycle of light and sound alerts will follow, guard mode and engine blocking are will still be enabled.

If authorization is failed (guard is not disabled), the attempt can be repeated. For this start the authorization procedure once again after alerts finish by triggering the motorcycle switch, selected for control input (for example, press and release the brake pedal). The alerts signals may be stopped with any StarLine main remote button pressing.

Attention!!! In case tag loss or malfunction the guard mode and engine blocking can be disabled with personal password entering (see. p. 68).

SLAVE mode enabling

Requirements for motorcycle

SLAVE mode can be activated on any motorcycle with the onboard voltage 12V. There is no any other technical requirements.

Turning the main unit to SLAVE mode and selecting the control input.

1 Turn ignition Off and On 3 times in a row while the guard if Off.

- LED indicator will turn on for 3 seconds.

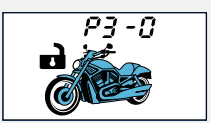
2 During 5 sec after LED indicator shut down turn ignition On and Off 8 times in a row and leave it On.

motorcycle

- 8 siren sounds;
- 8 light flashes.

remote

- **P3-0** operating mode will be indicated on display SLAVE is Off (factory settings).



Control input is required for guard mode arm and disarm in a SLAVE mode. See the way of control input connection on p. 67.

3 To enable SLAVE mode and control input selecting press button 2 or 3.

remote

Pressing button 1:
SLAVE is disabled.

Pressing button 2:
SLAVE is enabled
ontrol input – trunk input (orange-white wire).

Pressing button 3:
SLAVE is enabled
control input – auxiliary sensor input (orange-gray wire).

4 Turn ignition On

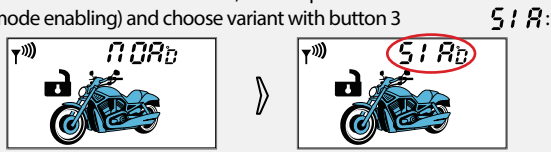
motorcycle

- 3 light flashes will follow.

Attention! If no any buttons are pressed during 10 seconds, the sysrems will automatically exit the programming mode.

Turning the main remote into a tag mode

Enter the remote functions menu, choose point 10 (tag mode enabling) and choose variant with button 3



To exit the remote function mode press button 4 long (until 2 short beep shounds).

Now the main remote control will carry out the tag functions.

The main remote operating distance setup

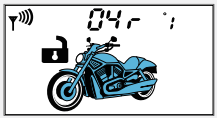
If the parking lot is near to owner position (for example, motorcycle is placed near the house), so StarLine may always see the tag. It can lead to illegal motorcycle possessing.

ДTo avoid this situation the tag operating distance should be setted to a minimal value stable communication distance! The special distance setting procedure is provided (see below).

1) Turning to a aag detecting distance setting mode:

Enter to the remote function menu and choose point 11 (tag detecting distance steup mode).

The following settings will be displayed:



- 00 r – min operating distance;
- 14 r – max operating distance;
- button 2 – increase distance;
  button 3 – decrease distance.

2) Turn the main unit to a distance setup mode

1 In disarmed guard mode turn ignition On and Off 3 times.

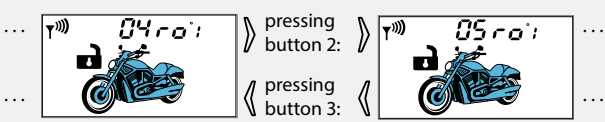
- LED indicator will turn on for 3 seconds

2 During 5 seconds after LED indicator shut down turn ignition On and Off 11 times and leave it On.

- 11 siren signals will sound, lights will start flashing periodically (once in 2 seconds).

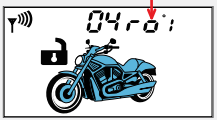
3) Distance regulation

Short press of button 2 – distance increasing;
Short press of button 3 – distance decreasing.

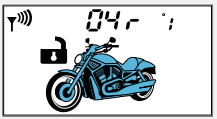


In case of a tag stable connection the system manin unit the symbol ⌐ will be indicated on display in 5 seconds every time after pressing the button:

- stable connectionwith the system main unit.



- connection is instable or absent.



Setup the minimal tag detection distance with short pressing the button 3 – 00 r (the min value will be also indicated by the remote melodic sounds). Locate the tag in 5-6 distance fron the main unit. Increasing the distance gradually (by button 2), setup the minimal value of the stable connection distance.

4) Exit for the distance setup mode

Press the button 4 or 1 long (until sound signal). The distance setted levels are stored in a nonvolatile remote control memory. Turn ignition Off.

If no any buttons are pressed for more than 2 minutes, the short remote beep signal will sound and remote will exit from the distance setting mode. To return hthe main unit to a regular mode turn ignition Off.

Warning!!!

Operating of some motorcycle equipment may lead to instable tag and system connection. In this case the distance should be increased.
In a SLAVE the remote battery life is going lower, because additional periodic transceiver activity leads to a higher power consumption. An average main remote battery operating life is from 2 to 4 months.

Turning the additional remote to a tag mode

Press and hold button 1 of remote. The buttons lock should be disabled!)

The LED indicator will turn on:

- red color, if the remote is in a regular mode;
- red color (for 1 sec.) and then bkue color (constantly) if remote is in SLAVE mode.

Press the button 3 short, if you want to turn the remote in to SLAVE mode. The LED will turn blue color.

Press button 2 short, if you want to tyrn the remote to a regular mode. Th LED will turn red color.

Release button 1.

The additonal remote - tag distance setting

1) Turning the main unit to the distance setting mode

1 In a guard off mode turn ignition On and Off 3 times.

- the LED indicator will turn on for 3 seconds

2 В течение 5 секунд после выключения светодиодного индикатора включите и выключите зажигание 11 раз и оставьте его включенным.

- 11 siren signals will sound, lights will start flashing periodically (1 time in 2 seconds).

2) Turning the add. remote to the distance setting mode

Warning! The additonal remote operating distance is possible only if it's turned to the tag mode (see p. 63).

Press buttons 1 and 3 simultaneously to tenable buttons locking. The red LED flash and short beep sound will follow.

Press and hold button 1 for more than 2 seconds. After the LED will turn red ligting, press 2 or 3 shortly and release button 1. Melodic signal will follow: additional remote - tag now is turned to distance setting mode.

Warning! Turning the additional remote distance setting mode should be made strictly in above order: first turn the main unit to the distance setting, then the additional remote - tag.

3)Distance setting

The operatin range is adjusted with pressing button 2 (increasing) and 3 (decreasing). Every button pressing is accompanied with remote beep sound. When the min or max value is reached melodic signal will sound. The total settings level number is 15. In about 3 – 4 after each 2 or 3 button pressing the remote will indicate the connection to the main unit state: if the LED is off, the connection is instable or absent; if the LED turns to red, it means the connection to the main unit is stable.

By pressing button 3 setuo minumal operating distance (the melodic signal will sound in a min setting value). Place the tag in a distance of 5 – 6 from the main unit. By increasing the operating range with button 2, set the minimal stable connection distance value.

4) Exit from the distance setting mode

Press the remote button 1 short. 2 – short signals will sound. Disable the remote buttons lock by pressing button 2 and 3 sortly and simultaneously. Turn ignition off.

If no any remote button pressed for 2 munutes and more, remote will automatically exit from the distance setting mode. In thei case turn ignition off to return the mani unit to the regular mode.

The additional remote - tag mode Pand the levels of operating distance settings are stored in a nonvolatile memory.

Setting the guard arm delay time

The guard arm delay is needed, for example, to leave the microwave detecting range before the guard mode is armed.

1 In disarmed guard mode turn ignition On and Off 3 times.

- the LED indicator will turn on for 3 seconds

2 During 5 seconds after LED indicator shut down turn ignition On and Off 9 times and leave it On.

motorcycle

- 9 siren sounds; сирены;
- 9 light flashes.

remote

- melodic sound;
- the delay time setted will be indicated on display.

3 Set the required delay value by short pressing buttons 1, 2 or 3: 2, 5 or 10 seconds accordingly (the factory default value is 2 sec.).

4 Turn ignition Off.

motorcycle

- 3 light flashes will follow.

If no any fremote control buttons are pressed during 10 seconds, so the system will automatically exit the programming mode.

The control input

To arm and disarm the guard mode and to disable the engine blocking one of 2 system inputs are used. This input is named as control input.

1. Control input – this is the system analog input. As the control input Either trunk input (orange-white wire) or auxiliary sensor input (orange-gray wire) can be used as control input. See the way selcting the control input on p. 58.

2.Connection

The control input is connected to the clutch switch, brake switch, motorcycle footboard or to the separately installed secret button.
As the switches operating logics could be different , so there it is possible to select the control input operating mode. For example, if connection is made to the switch with NC (normally closed) contacts , so it needs select NC input mode. And on the contrary select NO (normally open) mode for the NO contacts. See the input mode programming actions on p. 71, 72.

3.Operating logic

Arming the guard

To arm the guard mode press and release the brake pedal (clutch and etc). The guard will be armed after the pedal is released (when the limit switch is open).

Disarming the guard

To disarm the guard the main unit needs detect the owner tag (remote). To activate the tag search press and release the brake pedal (clutch and etc.) The tag search algorithm (guard disarming) is activated after the pedal releasing (the limit switch opening).

Entering the personal authorization password or emergency disarm and engine block disable password.

The guard disarming and engine blocking disabling depends on the selected deactivation way: with the personal password or without. The chosen variant is indicated on the remote display.

remote

- The disarming without personal password is selected.

remote

- The disarming with personal password is selected.

If the disarming without personal password is selected:

1 Turn ignition On and Off.

motorcycle

- the alarm sugnal will follow

2 2 seconds after the 1st step turn ignition On and Off 3 times during 3 seconds.

motorcycle

- the LED indicator will turn on for 3 seconds.

3 During 3 seconds after LED indicator shut down turn ignition On and Off 3 times again.

motorcycle

- 2 siren sounds will follow;
- 2 light flashes will follow;
- the guard mode will disarm.

If 4 light flashes will follow, it means that the sensors were triggering during the guard mode.

If the guard disarming with personal password is selected

1 Turn ignition On and Off.

- the alarm signals will follow

2 2 seconds after the 1st step turn ignition On and Off 3 times during 3 seconds.

motorcycle

- the LED indicator will turn on for 3 seconds

3 During 3 seconds after LED indicator shut down tirn ignition On and Off 4 times and leave it On.

motorcycle

- 4 siren sounds will follow

4 Turn ignition Off

motorcycle

- the LED indicator will start flashing, counting the digits of personal password: 1 flash – digit «1», 2 flashes – digit «2», 3 flashes – digit «3» and etc.

5 Count the LED flashes number, corresponding to the 1st password digit, and turn ignition On.
Turn ignition Off, count the flashes number, corresponding to the 2nd password digit, and turn ignition On.
Enter the rest 2 and 4 digits the same way.

Switching ignition On during the LED indicator flash will stop the emergency disarming procedure, so it will need to start again.

Programming the trunk input mode

The trunk input (orange-white wire) operating logic can be programmed for different trunk protection sensors. If the ordinary limit switch is used program the input mode to the variant **P1 - 1** (NO mode), if the magnetic sensor is used – set the variant **P1 - 2** (NC mode).

1 Turn ignition On and Off 3 times.

- the LED indicator will turn on for 3 seconds

2 During 5 secondas after LED indicator shut down turn ignition On and Off 6 times and leave it On.

- 6 siren sounds will follow.

remote

- melodic signal will sound

3 Select the proper trunl input operating mode with remote buttons 2 and 3:

remote

- Button 2 – NO mode **P1 - 1;**
- Button 3 – NC mode **P1 - 2.**

NC – normally closed;
NO – normally open. (the factory default mode is **NO**)

4 To store the changes press button 1 long (until the beep sound), then press short. Or turn ignition Off:

- 3 light flashes will follow

Warning! If not any button is pressed during 10 seconds, so the system will exit the programming mode automatically.

Programming the auxiliary sensor operating mode

The auxiliary sensor input can be programmed for the different sensors operating logic (orange-gray wire). If the "ground" appears on the sensor output while triggering, set the input operating mode to variant **P2 - 1** (NO mode), if the sensor output has + 12V while triggering, so it needs variant **P2 - 2** (NC mode) to be set.

1 Turn ignition On and Off 3 times.

- the LED indicatr will turn on for 3 seconds.

2 During 5 seconds after the LED indicator shut down turn ignition On and Off 7 times and leave it On.

- 7 siren sounds will follow.

remote

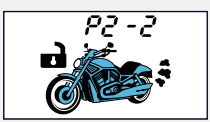
- melodic sound will follow

3 Select the proper auxiliary sensor input operating mode with 2 and 3 buttons:

remote

- Button 2 – NO mode **P2 - 1;**
- Button 3 – NC mode **P2 - 2.**

NC – normally closed;
NO – normally open. (factory default setting is **NO** mode)



4 To store the changes press button 1 long (until sound signal), then shortly. Or turn Off ignition:

- 3 light flashes will follow

Warning! If no any remote buttons are pressed during 10 sec, so the system will automatically exit the programming mode.

Installation and connection of the system

General installation requirements

StarLine V63 is intended for installation to the motorcycles with 12V onboard voltage.

- Before installation make sure all the motorcycle equipment and circuits, to which the systems to be connected, are in good condition and no any original equipment errors are indicated.

- Mount the system according to the connection diagram provided on p. 78).

- Mount all the wires on the distance from electric interference sources: ignition coils, high voltage spark cables and so on. Make sure the system wires are not in touch with the motorcycle movable pasrts, such as pedals, steering hear and so on.

- Connect the main unit and other system components to the wires sockets only after all the mounting is finished.

- For the system correct operating all the auxiliary relays coils should be shunted with the diods.

- Check the trunk limit switch correct operating before mounting. The gap between switch contacts in trunk closed position should be not less than 3 mm. The incorrect switches installation is an often reason of faulty triggering and alarming.

System components placement

Put the **main unit** in a hard to reach place, for example in under the dash board, fuel tank. It is recommended to maunt it the way preventing the water condensate dripping inside main unit body by the wires. Note that the main unit contains the shock and tilt sensro inside. Do not twist the antenna cable and do not mount it on the metal parts and surfaces.

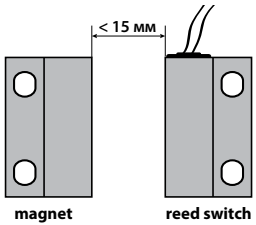
Place the **siren** as far as possible from the heat and moisture sources. Fix the siren with the horn towards down to prevent from the water collecting.

Fix the **LED indicator** in any convenient place.

Installetion of the magnetic sensor

The magnetic sensor is used for trunk opening and closing detection. StarLine V63 cdelivery kit contains 1 magnetic sensor with the magnet and the reed switch.

Fix the magnet sensor inside the trunk. For example, with the screws from dlivery set. Place the magnet near the reed switch as on below picture. The distance between magnet and switch will raise while trunk opening so the switch will trigger and enable alarm. Connect any of the the sensor wires to orange-white wire of the main unit and connect another wire to the "ground".



The gao vetween magnet and reed switch is less than 15 мм

Maximum load power - 500 мА

The operating temperature range -40 ... +85 °C

For the corect system working with the magnet sensor need set the NC (normallly closed) operating mode for the trunk input (see p. 71).

Connecting the main unit 14-pins socket

Red (thick) wire — power +12 V, connect to the positive battery terminal through the 7,5 A fuse.

Black wire — power ground – connect to the motorcycle frame.

Yellow wire — connect to the ignition to the ignition lock terminal on which +12 V appears when ignition is On.

Orange white wire — connect to the trunk limit switch. The trunk input operating mode should be programmed according to the particular sensor used (p. 71). This input triggering is indicated on a remote display with the following icon flashing:

Green black wire — connect to the parking lights or to the turn lights. Maximum output load current is 5 A.

Gray wire — positive siren control output. Maximum load current 2 A.

Red (thin) wire — positive LED indicator output, integrated to wires harness. Maximum load current 50 мА.

Blue wire, blue-white wire and blue-red wire — engine blocking wires (contacts of integrated t main unit 20A load relay). Blocking (cut) type: fixed NC (i "disarmed mode" blue and blue-red wires are connected, in "armed mode" blue and blue-white wires are connected.

Depending on motorcycle scheme cut one of original engine start cicrcuites, for example: among ignition lock and coil, electronic ignition, fuel pump, starter relay, and connect the appropriate integrated relay wires into the wires break.

Blue wire— relay common wire.

Blue-white wire — NO relay contact.

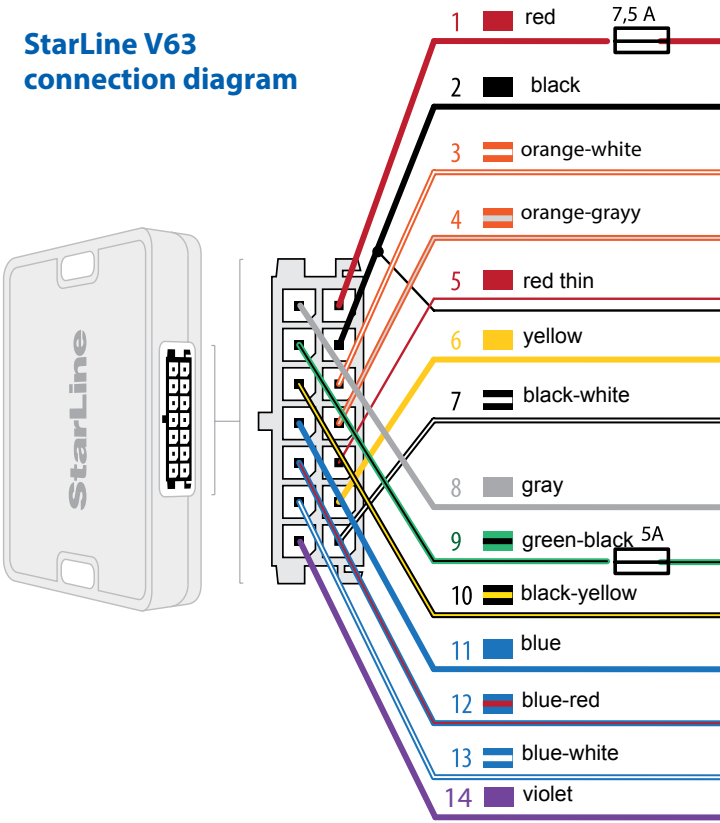
Blue-red — NC relay contact.

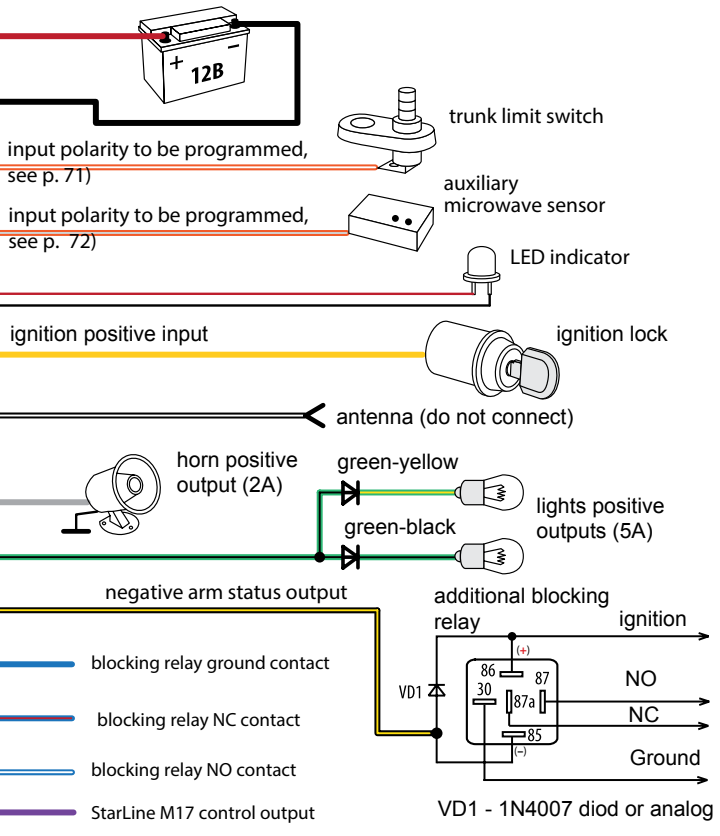
Black-yellow wire — "-" output in guard mode. Can be used for auxiliary engine blocking relay connection. Max load current below 300 mA.

Orange-gray wire — auxiliary sensor connection input. The triggering of this input sensor is indicated on display with this con: 

Violet wire — вStarLine M17 tracker control wire. Need 2 additional resistors connection, see diagram on p. 82.

StarLine V63 connection diagram




12В
trunk limit switch
input polarity to be programmed,
see p. 71)
auxiliary
microwave sensor
input polarity to be programmed,
see p. 72)
LED indicator
ignition positive input
ignition lock
antenna (do not connect)
horn positive
output (2A)
green-yellow
green-black
lights positive
outputs (5A)
negative arm status output
additional blocking
relay
ignition
blocking relay ground contact
blocking relay NC contact
blocking relay NO contact
StarLine M17 control output
VD1
86
30
87
87a
85
(+)
(–)
NO
NC
Ground
VD1 - 1N4007 diod or analog

GSM GPS tracking and SMS-alerts*

SMS–alerts on the secured zones triggering

Маяк StarLine M17 should setted to the SMS alert sending (“Alert! External input is enabled”) in tracker input active level (low potential). SMS alert is sent to owner in case of following zones triggering: ignition is turned On, shock sensor, tilt sensor, trunk is open, motorcycle battery terminal is taked off.

The motorcycle tracking in case of the attempt of motorcycle avacuation

The tracking activation is implemented by StarLine M17 external input in the rare data exchange mode. This provides the sufficient tracker operating time with internal battery power in such situation. If StarLine V63 integrated tilt sensor is triggered, so StarLine M17 will activate continuous tracking. This will allow follow the omtorcycle movement in evacuation.

The tracking is activated in following events: the battery terminal is taken off, the motorcycle motion is detected, ignition is turned on.

To save the motorcycle battery power for a long period (for example, during winter time). And to save tracker battery power send SMS-command «1234 IN–– N M–». Before the further running send SMS-command «1234 IN+– A M+».

Self trip tracking

StarLine M17 should be setted to tracking activation when ignition is On. The tracking stops when ignition is off.

** This function is available in case of StarLine M17 tracjer is connected.*

StarLine M17 tracker setup for operating with StarLine V63

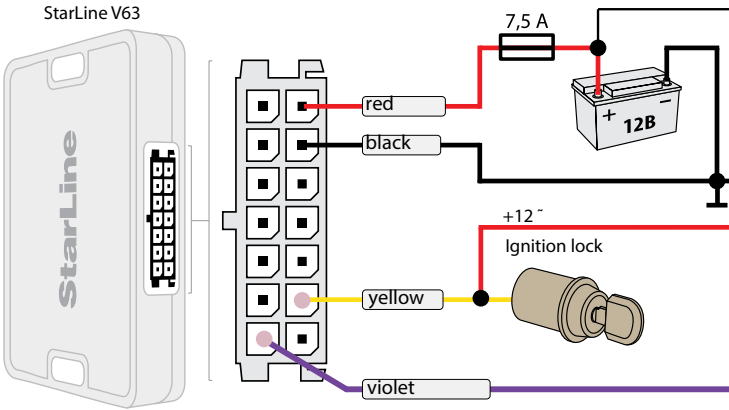
First update the tracker software to the current version.

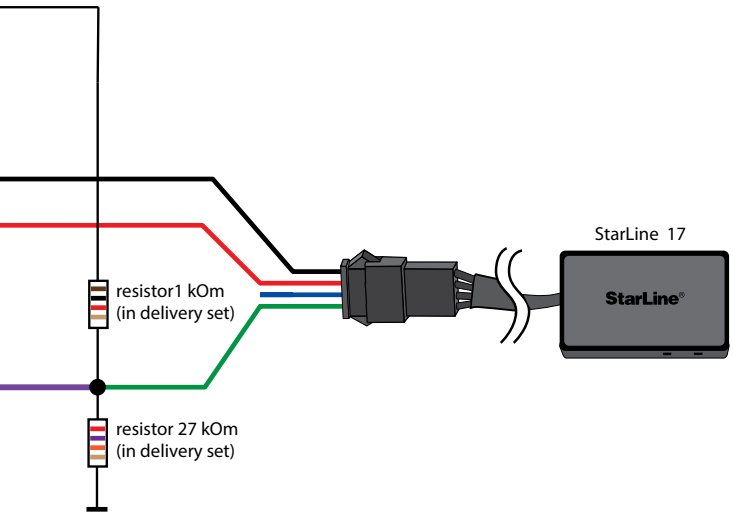
Perform initial StarLine M17 tracker setup according to the manual instruction.

Make connection of StarLine M17 to StarLine V63 according to the connection diangram on p. 82. Setup below settings by sending SMS-commands to the tel. number of tracker's SIM-card:

SMS-command	Description
1234 POWER–– M+	Tracks transmission to the server while trips on motorcycle. • Tracking by external power input is enabled • SMS-alerts by external power are disabled
1234 IN+–AM+	SMS-alert and tracking enable by alarm event. • Tracking by external by external input is enabled • SMS-alert in case of external input level changing
1234 MON 10 100	Setup of data exchange intervals during tracking. In case of a theft attempt the tracking is activated with lower power consumption than in case of a regular trip. 10 sec tracking by external power, 100 tracking by external input
1234 MON dev.starline.ru:12300	Setup the tracking server domain, port - dev.starline.ru:12300
1234 N10	Turn to "sleep" mode 10 sec since ignition is Off (external power disabling)
1234 D–	Disable tracker integrated motion sensor

Diagran of StarLine V63 connection to StarLine M17 tracker




StarLine 17
StarLine®
resistor1 kOm
(in delivery set)
resistor 27 kOm
(in delivery set)

The remote controls batteries and it's replacing

The different types of batteries are used in the attached remotes:

- 2-way LCD remote has 1 «AAA» 1,5 V Ni-Mh (NiCD) battery;
- 1-way remote has 1 «CR2450» 3,0 V Li-Ion battery;

The remotes batteries operating life depends on use and data exchange periodicity and on battery capacity. The batteries available in stores can differ much.

The batteries average operating life:

- for 2-way LCD remote — from 6 to 9 months;
- for 1 way remote — from 9 to 12 months;

In case of main 2-way remote battery discharge this icon will appear on display - the battery should be replaced.

Replacing of 2-way LCD remote battery

1. Open the battery slot cover and remove the discharged battery:

2. Insert the new battery, observine the proper polarity.
Correct battery position is specified on the remote body under the cover in battery slot. 3Close the battery slot cover.
3. Setup the current time after battery replacing.

1-way remote battery replacing

1. Shift the battery slot cover and remove the discharged battery.

2. Insert the new battery, observing proper polaruty. Correct battery position is specified on the holder contact.
3. Mount the cover back.

The producer keeps the right for technical improvements
and software upgrading without the preliminary notice.

Manufacturer:
ScPA "StarLine"»
194044, Komissara Smirnova, 9
Saint-Petersburg, Russian Federation

StarLine warranty coupon

Гарантийные обязательства

Гарантийное обслуживание оборудования производится авторизованным сервисным центром* или организацией, осуществляющей продажу или установку оборудования, с учётом условий, указанных ниже.

Условия гарантийного обслуживания:

1. Срок гарантийного обслуживания исчисляется с даты покупки, указанной в данном гарантийном талоне, и составляет 12 месяцев.
   При регистрации на сайте **www.my.starline.ru** срок гарантийного обслуживания на автомобильные охранно-телематические комплексы, поисково-мониторинговые Маяки, иммобилайзеры, GSM и GSM-GPS-системы увеличивается на 2 года.
2. Гарантийный срок на дополнительное оборудование: радиореле, реле, модули обхода, сирены, электроприводы, комплекты центральных замков, контактные датчики, беспроводные герконовые датчики, датчики наклона и удара, — составляет 12 месяцев с даты продажи.
3. В течение гарантийного срока производится бесплатный ремонт оборудования или его замена. Гарантийный срок продлевается на время нахождения оборудования в гарантийном ремонте.
4. Гарантийный ремонт (или, в случае его невыполнимости, замена оборудования) производится в течение 3 дней при передаче оборудования в сервисный центр StarLine, или в течение 20 дней со дня передачи оборудования на место его продажи с обязательным изложением претензий к работе изделия. Время доставки оборудования до сервисного центра в указанные сроки ремонта не входит.
5. Для предъявления требования о замене дефектного оборудования необходимым условием является наличие полного комплекта поставки, указанного в инструкции по эксплуатации и установке данной модели.
6. Гарантийное обслуживание оборудования не производится в следующих случаях:
   а) после истечения гарантийного срока;
   б) при обнаружении следов механических повреждений после момента продажи или повреждений, вызванных несоблюдением правил монтажа, эксплуатации, транспортирования и хранения (следы ударов, трещины, сколы и т.п.);
   в) при обнаружении следов несанкционированного ремонта;
   г) при повреждении, вызванном неквалифицированной установкой;
   д) при повреждении, прямо или косвенно вызванном внешними причинами (стихийными бедствиями, аварией, пожаром, водой, агрессивными жидкостями, эксплуатацией вне допустимого диапазона температур, небрежным обращением и т.п.);
   е) при замене компонентов устройства на компоненты, не рекомендованные производителем;
7. Гарантия не распространяется на элементы питания, используемые в брелках дистанционного управления, а также на любые другие расходные материалы, поставляемые с данным видом оборудования.
8. В случае возникновения дефектов или повреждений, не связанных с производственным дефектом, или по истечении гарантийного срока, диагностика и ремонт оборудования производятся в соответствии с действующими расценками сервисного центра.

* Адреса сервисных центров StarLine смотрите на сайте **www.starline.ru**

С условиями гарантийного обслуживания ознакомлен:

Покупатель_____/_____
(Расшифровка подписи)

Дата «_____»_____20____ г.

StarLine warranty coupon

Свидетельство о продаже

Модель: _____

Серийный номер: _____

Дата покупки: «_____»_____20___ г.

Наименование, адрес и штамп (печать) организации-продавца:

_____

_____

Подпись продавца: _____/_____
(Расшифровка подписи)

Свидетельство об установке

Я, нижеподписавшийся профессиональный установщик, удостоверяю, что установка оборудования на транспортное средство была произведена мною в соответствии с инструкциями по установке и эксплуатации, предоставленными производителем оборудования.

Описание транспортного средства:

Марка: _____ Модель: _____

Идентификационный номер ТС (VIN): _____

Наименование, полный адрес и штамп (печать) организации-установщика:

_____

_____

Установщик_____/_____
(Расшифровка подписи)

Заказчик _____/_____

Дата установки «_____»_____20___ г.

Федеральная служба поддержки StarLine. Звонок бесплатный

Россия	Казахстан	Украина	Беларусь
8-800-333-80-30	8-800-070-80-30	0-800-502-308	8-10-8000-333-80-30

194044, Россия, Санкт-Петербург, ул. Комиссара Смирнова, д. 9, литер А, офис 204

Общество с ограниченной ответственностью "Научно-производственное объединение "СтарЛайн"