

SMART SECURITY

-  Smart Dialog Code and AES128 encryption guarantees reliable protection against all known code grabbers
-  StarLine systems efficiently operate in city extreme radio interference due to unique narrow-band 868 MHz transceiver with low-noise amplifier and 128 operating channels
-  Owner can control security functions even out of GSM network and pass authentication by small waterproof wireless tag or smartphone with StarLine mobile App (with BLE 4.2 and above)
-  Integrated 3D accelerometer registers shocks, motion, jacking-up, towing a vehicle and evaluates driving style
-  Integrated accelerometer registers vehicle motion and activates engine blocking, owner notification and online tracking
-  Control over car security with factory remote and reliable additional authentication with StarLine remote, tag or paired smartphone
-  Additional authentication provides reliable protection against hijacking, enhancing security functions of factory car alarm. Trip is allowed only after entering an individual PIN-code with car original buttons
-  iCAN technology allows invisible digital engine blocking via factory digital CAN or LIN interfaces
-  Optional wireless R6, R6 Eco or digital R4 relay modules provide additional safe engine blocking and allow protection of engine compartment with use of optional StarLine hood locks
-  Anti-hijack option secures against theft and hijacking with safe engine blocking in motion if tag is not in range or with owner command by GSM interface
-  Intelligent protection against relay attack with blocking OEM Keyless-Go (keyless entry) system when wireless tag or registered smartphone is away
-  StarLine ensures low energy consumption, saving sufficient car battery charge up to 60 days in arm mode due to patented progressive technologies and firmware solutions
-  Due to high quality components StarLine security telematic systems stably operate in severe climatic conditions at temperature from -40°C to $+85^{\circ}\text{C}$

CONVENIENT SERVICE

-  GSM interface allows control over all secure and service functions, receive alarm status alerts to mobile phone and StarLine Mobile App
-  Toll free live tracking, routes log and playback, geofences at starline.online web service or StarLine Mobile App
-  2CAN+2LIN interface provides easy, convenient and safe installation of StarLine security system into modern vehicles with CAN and LIN digital bus
-  Intelligent remote and automatic engine start at a preset temperature, time, weekday or by battery voltage
-  Integrated keyless data bypass of OEM immobilizer (iKey) brings significant economy on extra bypass modules or spare key to implement remote engine start on modern vehicles
-  Remote control over popular Webasto, Eberspächer and other parking and auxiliary heaters
-  StarLine extends turbocharged engine life by proper turbine cooling after trip
-  Programmable channels with Flexible Logic settings for extended vehicle security and comfort functions
-  Easy configuration and customization with universal software StarLine Master
-  StarLine will disarm security and unlock the doors when owner approaches car to a wireless tag detection area (aftermarket Keyless-Go)
-  Save on vehicle diagnostics — receive vehicle status notifications to mobile phone in StarLine App or at monitoring website starline.online
-  Owner may leave all keys, remotes and belongings in vehicle. Security will disarm with PIN-code entered by touching EC-1 sensor or external button
-  Easy and efficient customization with optional modules

CLASSIC series



StarLine E9



Main benefits

Classic security telematic system with 2-way RF868 MHz remote control, Bluetooth authorization and short range control, 2CAN+2LIN interface, remote engine start with iKey data bypass, parking heater control, iCAN digital engine blocking, secure Keyless-Go, Hands-Free, Anti-hijack, Beach mode, optional GSM and GPS+GLONASS control and navigation with StarLine M66 tracking device, free StarLine mobile App

Delivery sets

Smart Security



8,7mA

Convenient Service



StarLine E9 Pro



E9 main unit



RF868 LCD remote



1 BT tag



Start module



Siren



Service button

StarLine E9 Eco



E9 main unit



RF868 LCD remote



Siren



Service button

StarLine E9 Mini



E9 main unit



0 / 1 / 2 BT tags



Siren



Service button



* Optional GSM and GPS+GLONASS control with StarLine M66 (paring via Bluetooth)



SMART series



StarLine S9



Main benefits

Smart security telematic system with GSM (3G / 2G) remote control, GPS+GLONASS navigation, Bluetooth authorization and short range control, 2CAN+2LIN interface, remote engine start with iKey data bypass, parking heater control, iCAN digital engine blocking, secure Keyless-Go, Hands-Free, Anti-hijack, Beach mode, OBDII diagnostics, toll free remote control and tracking at starline.online and StarLine mobile App

Smart Security



15,2 mA

Convenient Service



Delivery sets

StarLine S9 Pro (3G)



StarLine S9 (3G)



StarLine S9 Eco (2G)



ADVANCED series



StarLine A/B9



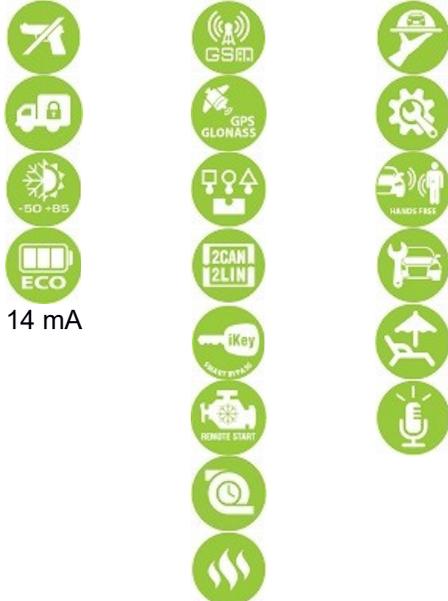
Main benefits

Advanced security telematic system with modular structure, GSM (4G LTE/ 2G) remote control, optional RF868 MHz remote control, GPS+GLONASS navigation, Bluetooth authorization and short range control, 2CAN+4LIN interface, remote engine start with iKey data bypass, parking heater control, iCAN digital engine blocking, secure Keyless-Go, Hands-Free, Anti-hijack, Beach mode, OBDII diagnostics, toll free remote control and tracking at starline.online and StarLine mobile App, embedded buzzer, external microphone

Smart Security

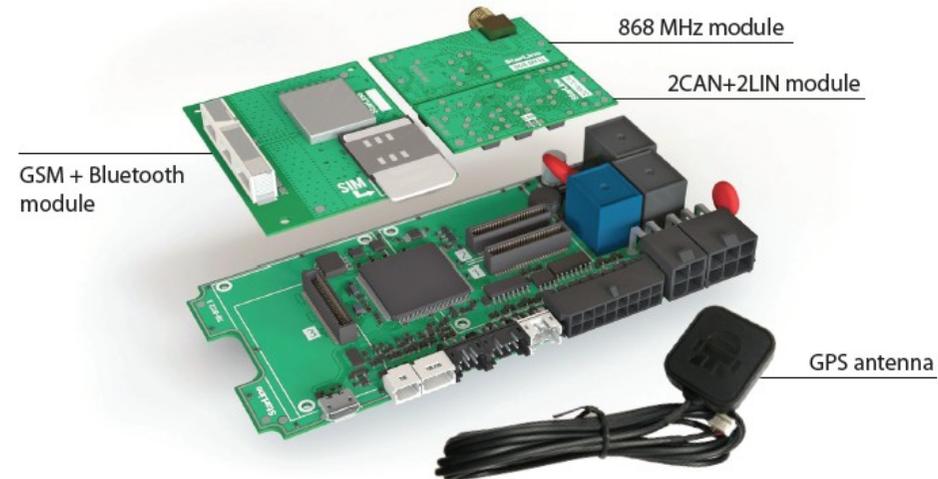


Convenient Service



14 mA

Modular structure PCB



Delivery sets

StarLine B9 Pro (2G, optional 4G LTE)



StarLine AS9 Pro (2G, optional 4G LTE)



PREMIUM series



StarLine X9

Main benefits

Premium security telematic all-in-one solution with 2-way RF868 MHz and GSM (3G) remote control, GPS+GLONASS inertial navigation, Bluetooth authorization and short range control, 2CAN+3LIN interface, remote engine start with iKey data bypass, parking heater control, iCAN digital engine blocking, secure Keyless-Go, Hands-Free, Anti-hijack, Beach mode, OBDII diagnostics, toll free remote control and tracking at starline.online and StarLine mobile App, integrated power transistors, SL-bus digital interface

Smart Security



35,9 mA

Convenient Service



Delivery sets

StarLine X9 Pro (3G)



StarLine X9 (3G)



MOTO



StarLine V66 moto immobilizer

Motorcycle immobilizer with Bluetooth Smart, SuperSlave, PIN-code authentication, hands-free, engine block, trunk protection (reed switch), piezo siren



2,5 mA

**Delivery sets
StarLine V67**



StarLine V66



StarLine V63 moto alarm

Motorcycle alarm system with RF433 MHz remote control, SuperSlave, PIN-code authentication, anti-hijack, trunk protection (reed switch), piezo siren



5 mA

Delivery set



*** Optional GSM & GPS+GLONASS tracking with StarLine M17**



TRACKING



StarLine M17

2G GSM & GPS+GLONASS tracking device with Mobile App, waterproof housing, dual internal battery (2xCR123) and external 12V/24V power, microphone, shock / motion / tilt sensor



StarLine M66

Smart 2G GSM & GPS+GLONASS tracker with Bluetooth Smart, CAN bus interface, Mobile App, iCAN and relay engine blocking, USB, universal external power 12V/24V, shock / motion / tilt sensor, anti-hijack mode, OBD diagnostics



StarLine M15

Stand-alone 2G GSM & GPS+GLONASS searching device with Mobile App, waterproof housing, internal battery (2xCR123) up to 3 years life, microphone, shock / motion / tilt sensor



StarLine M18

2G GSM & GPS+GLONASS economy tracker with dual microUSB 5V and 12V/24V power, motion sensor



IMMOBILIZERS



StarLine i96CAN

Smart immobilizer with Bluetooth Smart, iCAN and relay engine blocking, hood lock control, anti-hijack, OEM buttons authentication, secure Keyless-Go, Hands-free, SuperSlave



8 mA

Delivery sets

Delivery set and functions	i96 CAN SMART	i96 CAN ECO	i96 CAN	i96 CAN LUX
Wireless Bluetooth tags	-	1 pc	2 pc	2 pc
2CAN interface	+	+	+	+
Buzzer	+	+	+	+
Valet button with LED indicator	+	+	+	+
Auxiliary relay module	standard relay	standard relay	StarLine R4	StarLine R6

StarLine i95

Smart immobilizer with 2.4GHz wireless tags, relay engine blocking, hood lock control, compact waterproof housing, Anti-hijack, Hands-free, motion sensor



6,6 mA

Delivery sets

Delivery set and functions	i95 ECO	i95	i95 LUX
Wireless tags (2 pcs)	+	+	+
Central lock and hood lock control	-	+	+
Buzzer	+	+	+
Motion sensor	+	+	+
Hands-free option (keyless entry)	-	+	+
Interior control and indication module	-	-	+

OPTIONAL



StarLine R6
Wireless service module



- Bluetooth Smart interface**
- Engine blocking relay 10A (NO+NC)**
- Hood lock control relay 12A**
- Engine temperature sensor**
- Motion sensor**
- Siren autonomous control**
- Waterproof housing**
- Rated power consumption 1.2 mA**

StarLine R6 Eco
Wireless micro relay



- Bluetooth interface**
- 2 * Engine blocking relays 500 mA (NO+NC)**
- StarLine digital bus interface**
- Motion sensor**
- Waterproof housing**
- Rated power consumption 1.0 mA**

StarLine R4
Digital service module



- Engine blocking relay 10A (NO+NC)**
- Hood lock control relay 12A**
- Motion sensor**
- Waterproof housing**
- Rated power consumption 4.0 mA**

OPTIONAL



StarLine Sigma 10

Universal 2CAN+2LIN interface read / write module for convenient installation of other security systems and auxiliary equipment



Digital engine blocking via CAN



2CAN + 2LIN digital interface



UART serial interface

StarLine EC-1

Capacitive touch sensor for door, trunk unlock and security functions control



Hands Free



Beach mode



StarLine MS-06BT

Wireless magnetic sensor for motor home, truck, van, garage, luggage carrier



Bluetooth Smart



Reed sensor



Motion, shock sensor

StarLine L10, L11+

electric hood lock protects from unauthorized access to an engine compartment



High stability and safety



Rustproof

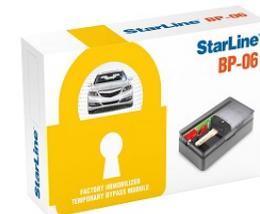


Matching most of vehicles



StarLine BP-06

Immobilizer bypass module with OEM key chip



Power supply 3.3V for key chip



Universal for regular and Smart keys