

StarLine® AS96, A96, A66

! Other possible connection options are available on the website www.starline.ru

! For cars with a CAN/LIN-bus make a connection via the digital CAN/LIN-bus, for other cars make an analogue connection. Information on connection to the CAN/LIN-bus of different cars is available on website can.starline.ru



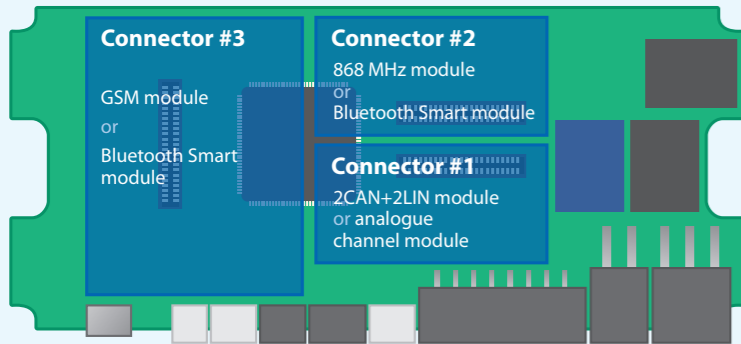
- X1
- X2
- X3
- X4 → To the power module
- X5
- X6 GPS+GLONASS antenna *
- X7 Service button with LED
- X8 Temperature sensor
- X9 USB-connector

* if the GSM module is installed

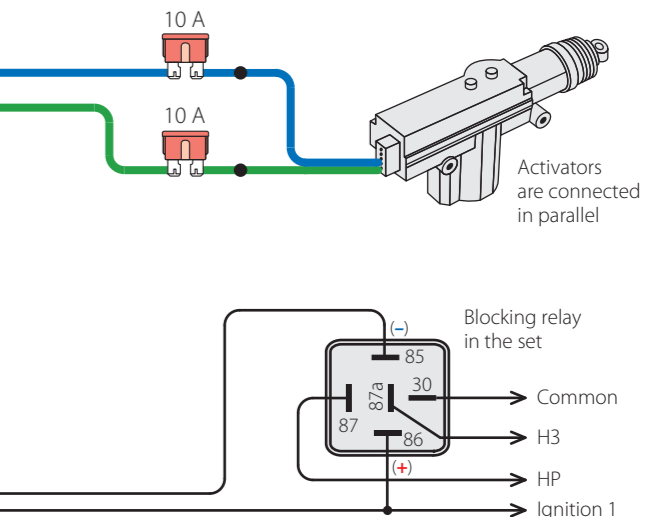
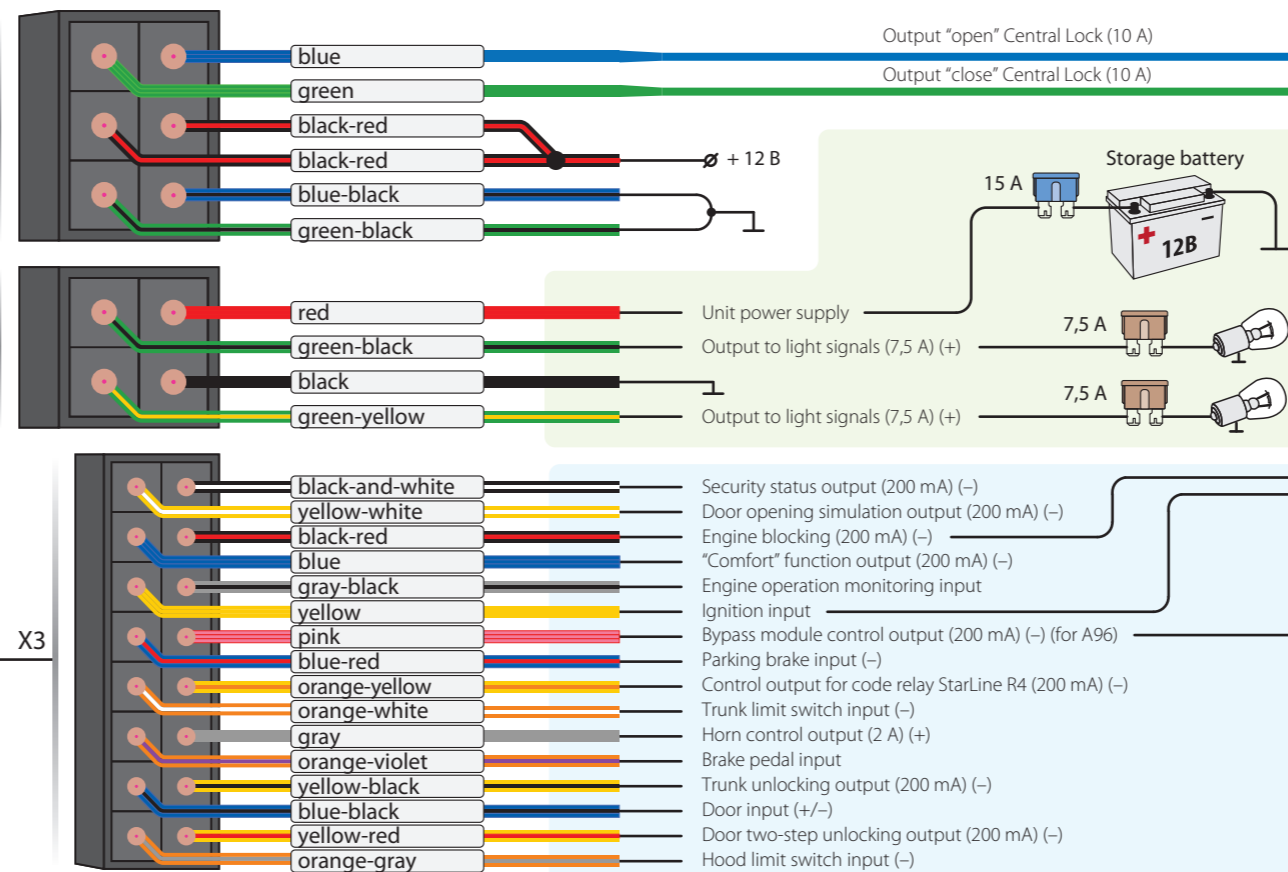
For convenient setting, diagnostics and software update use the **StarLine Master** program, available for download on the website help.starline.ru/slm. Enter the program using the service code given on the owner's plastic card.

Arrangement of the modules on the board

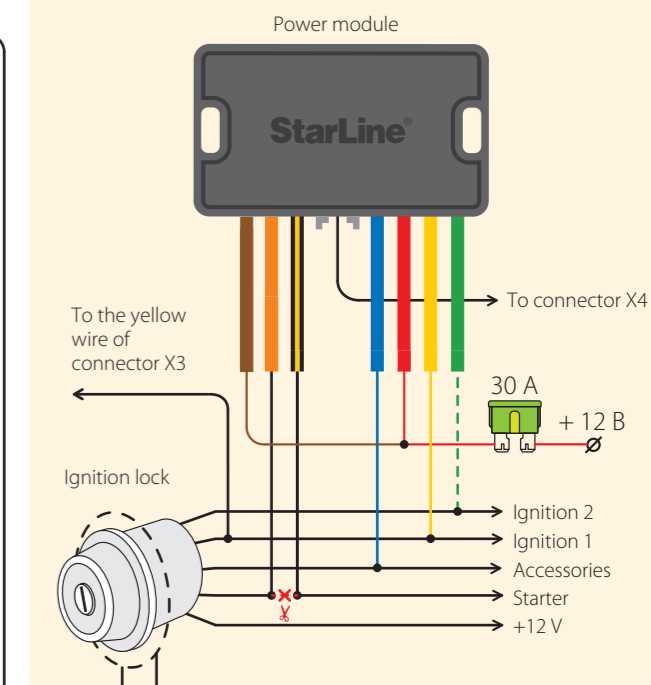
Before installing the modules make sure that the main unit is disconnected from the car supply circuit and the computer USB connector.



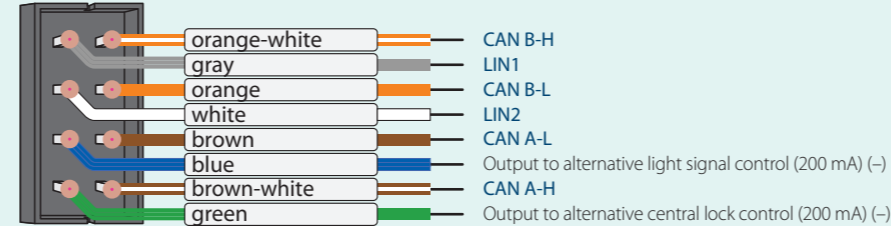
The 868 MHz module should be installed for complex control by means of the remote key. The Bluetooth Smart module should be installed for complex control by means of the tag (or use of a smartphone as a tag). The GSM module should be installed for complex control by means of SMS commands, voice menu, from the StarLine mobile application and the personal account on the website www.starline-online.ru. The 2CAN+2LIN module should be installed for using the function of owner authorization by means of the standard buttons. More detailed information on implementation of this function in the car is available on the website can.starline.ru. The analogue channel module (6 inputs and 2 outputs) should be installed for using the analogue SLAVE.



Autostart connection diagrams for A96

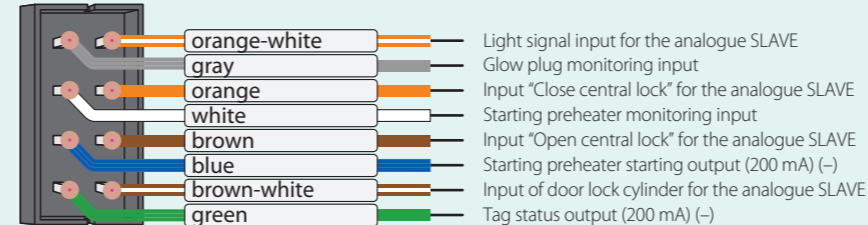


The 2CAN+2LIN module is installed

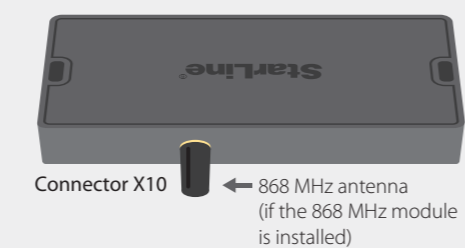


If the 2CAN+2LIN and analogue channel modules are not installed, connector X5 is not used

The analogue channel module is installed



Antenna connection



! The developer and manufacturer, StarLine SPA, reserves the right to make technical improvements not shown in this diagram. Information on updates, current versions of operation and installation manuals is available on the website www.starline.ru in section "Catalogue". Charts of mounting on different car models are available on website install.starline.ru

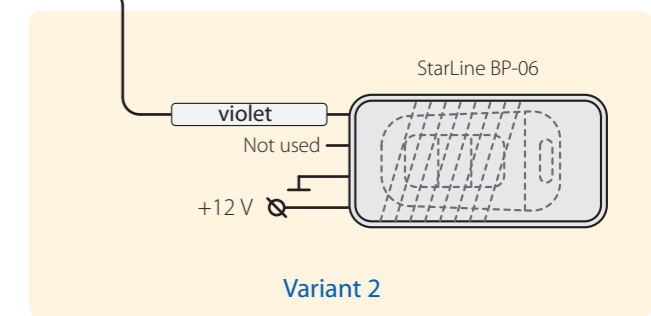
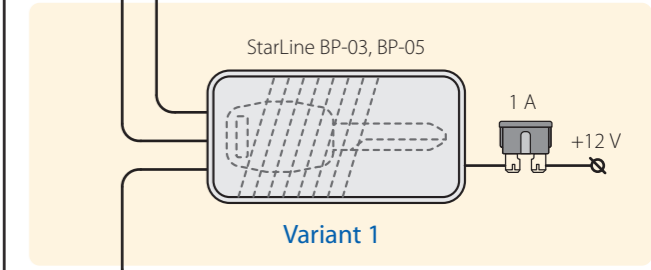
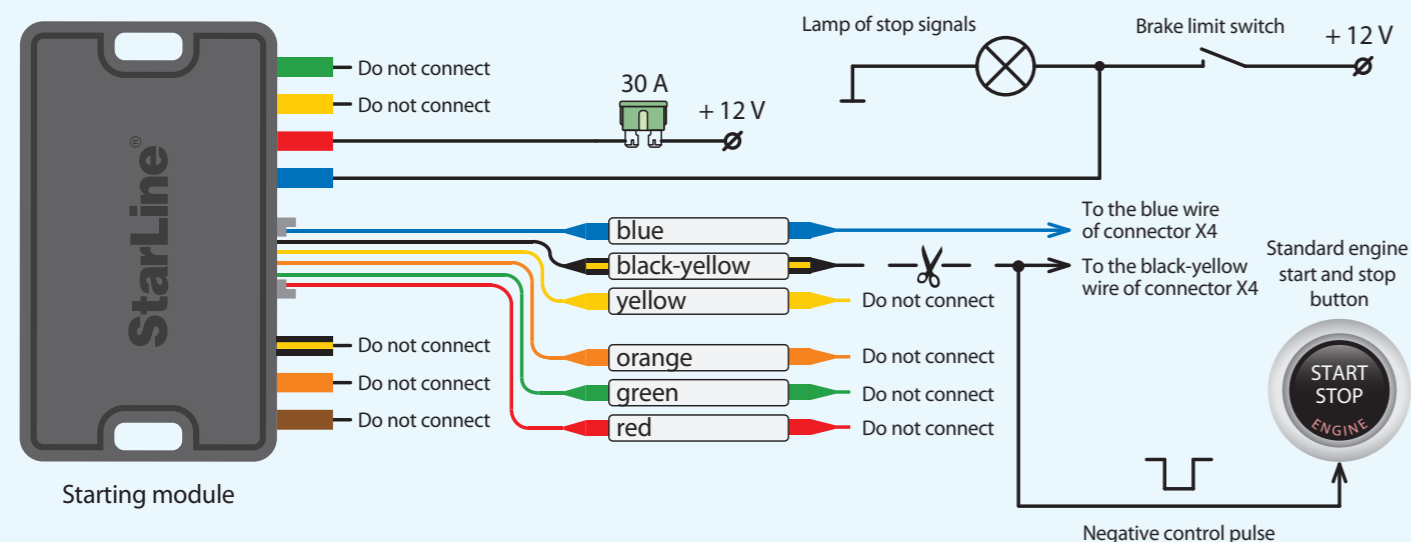


Diagram of starting circuit connection on cars with "Start-Stop" button

1. In the Starline Master application, reprogram the blue wire of connector X4 for simulation of the brake pedal, and the black-yellow wire of connector X4 — for the "Start-Stop" button
2. Make connection in accordance with the diagram



ATTENTION! The tags included in the delivery set are already registered in the main unit and are in the transport mode, i.e. off. Pressing of the tag button in this mode will be indicated by a green and red flashes of the built-in LED. Prior to operation, press the tag button several times until the flash color changes to green.

Registration of new components

ATTENTION! At registration of new tags and smartphones all previous tags and smartphones will be deleted from memory. It will be necessary to register them again. In total, up to 5 devices can be registered in the complex. When new remote keys are registered, all previous remote keys will be deleted from the memory. It will be necessary to register them again. In total, up to 4 remote keys can be registered in the complex.

Entry in the device registration mode

1. Deactivate complex security.
2. Switch off ignition if it is on.
3. Press the service button 7 times.
4. Switch on the ignition.
5. 7 light signals of the LED on the service button will follow.
6. Then 2 short light signals of the LED on the service button will follow, meaning entry in the registration mode.

Remote key registration

7. Press the remote key buttons 1 and 2 shortly.
8. In 3 seconds, successful registration will be confirmed by a short sound signal of the remote key and 2 light signals on the service button. If the remote key was not registered, 4 sound signals of the remote key will follow.
9. Perform item 7-8 for each remote key.

Tag registration

10. Remove the battery from the tag.
11. Press the tag button and install the battery back. The tag LED will light up red.
12. Release the button, a series of red flashes will follow.
13. In 10 seconds, successful registration will be confirmed by a green flash and 2 signals of the LED on the service button. If the tag was not registered, the LED will light up red.
14. Repeat items 10-12 for the remaining tags.

Smartphone registration

15. Register a smartphone* using the free StarLine mobile application.

Exit from the device registration mode

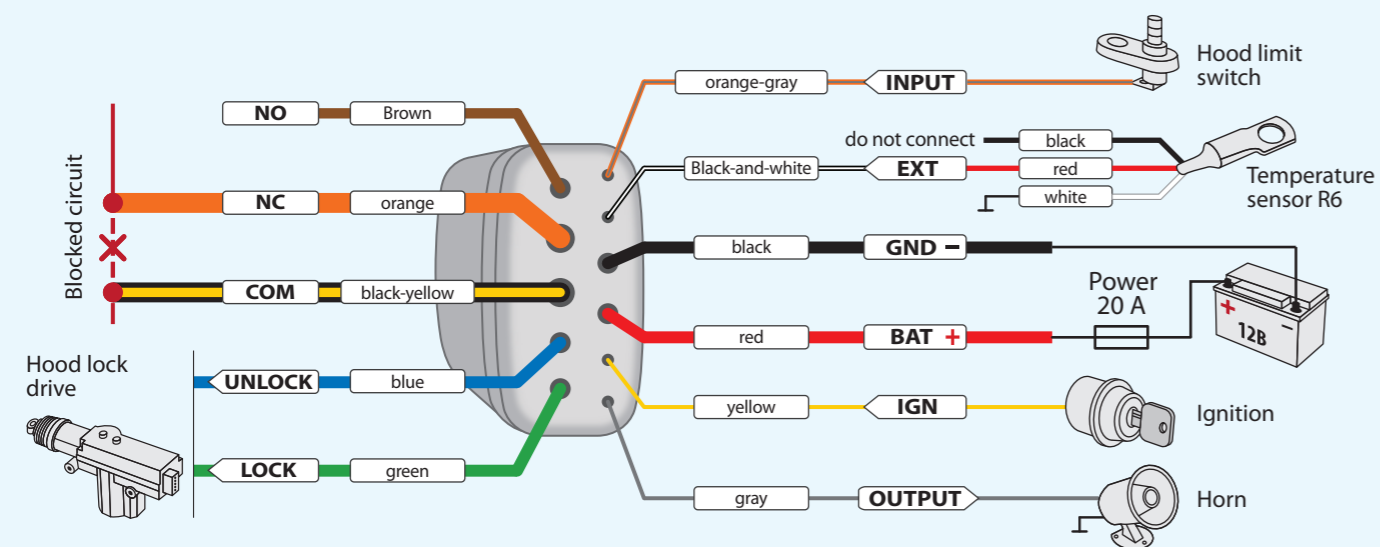
16. In 10 seconds switch off ignition to exit the registration mode. Light signals on the service button will follow, the number of which will match the total number of registered tags, pendants and smartphones.

* The list of supported smartphones is available on the website www.starline.ru

Standard connection diagram for underhood unit StarLine R6

If unit StarLine R6 was purchased separately, it must be registered in the main unit's memory:

1. Deactivate complex security. Switch off ignition if it is on.
2. Disconnect the BAT, OUTPUT and INPUT wires from the car circuits.
3. Press the service button 7 times.
4. Switch on the ignition.
5. 7 light signals of the LED on the service button will follow.
6. Then 2 signals of the LED on the service button will follow, meaning entry in the registration mode.
7. Interconnect the OUTPUT and INPUT wires of the underhood unit.
8. Supply power (BAT and GND wires).
9. In 10 seconds, successful registration will be confirmed by 2 signals of the LED on the service button.
10. Disconnect the BAT wire from the car circuits, then open the OUTPUT and INPUT wires.
11. Switch off ignition and check unit operation.



The device is manufactured with textual or color marking of wires.

Creation of owner authorization code (by means of the standard buttons)

1. Deactivate complex security.
2. Switch off ignition, if it was on, then press the service button 7 times.
3. Switch on the ignition.
4. 7 light signals of the LED on the service button will follow.
5. Then 2 short light signals on the service button will follow, meaning entry in the registration mode.
6. Enter the owner authorization code using the standard car buttons with pressing interval not more than 3 seconds. Each pressing of the standard button will be accompanied with a single signal of the LED on the service button. The list of standard buttons supported in the car is given on the website can.starline.ru
7. Acceptance of the owner authorization code will be confirmed by 2 signals of the LED on the service button.
8. Enter the owner authorization code again.
9. If the code is entered correctly, 2 light signals on the service button will follow. If the code is entered incorrectly, 4 short signals will be heard, in this case repeat items 6...8.
10. Switch off ignition to exit the mode of owner authorization code recording.
11. Exit from the registration mode will be confirmed by signals of the LED on the service button: 2 short signals and the number of signals corresponding to the total number of registered pendants, tags and smartphones.
12. Note down the created owner authorization code in the corresponding section of the user's manual.