

GP GARAJ

www.gpgaraj.com

Motorcycle Tracking & Security System



INSTALLATION GUIDE



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App Store

Google Play

This manual fully explains the steps required for installation and activation of the device. All installation procedures must be carried out in accordance with the instructions specified for the device connection points and positioning details.

1. Pre-Installation

The device is delivered ready for use.

Battery installation, SIM card placement, and the mobile data line (data line) are completed at the factory.

- Optional accessories may be added to the package upon request at the time of purchase:
 - Buzzer (Alarm/Buzzer Module)
 - Blocking relay and connection socket
- Since it will be required during activation, the information located on the back surface of the device must be kept:
 - IMEI number or Serial number

Taking a photo or noting this information is strongly recommended.

- The device and installation cable are supplied with connectors. Before starting installation:
 - Pay attention to the socket latch direction.
 - Ensure alignment of the cable latch and channel so the connection is ready.
- IMEI and Serial Number information will not be visible after installation. Therefore, it must be recorded in advance.
- After inserting the cable into the device socket in the correct direction, installation can proceed.
- During installation, mounting must be performed according to the label on the device stating "THIS SIDE MUST REMAIN UP DURING INSTALLATION."

Correct positioning is critical for signal reception accuracy.

- The device must be positioned away from the motorcycle's engine block, exhaust line, muffler, and all mechanical components that generate heat.

Exposure to excessive heat may negatively affect device performance and battery life.

- The GPS device and connection socket are waterproof. However, cable connection points on the motorcycle must be mounted in an insulated and protected manner.
- The blocking relay is designed to be water-resistant (waterproof). During installation, motor-side cable connections must be protected against external factors.
- During siren installation, the siren must be placed in a protected location where it will not be exposed to water. The siren is not waterproof, and liquid contact is outside the scope of warranty.



2. Post-Installation

After installation is completed, the following steps must be applied:

- Scan the Application QR Code located on the first page of the installation manual using your phone.
- Download and install the GP GARAJ mobile application via the redirected link. (Alternatively, you can search for "GP Garaj" in your app marketplace and install it.)
- After the application is installed:
 - Complete the membership process using your own user information.
 - Select the motorcycle brand and model.
 - Approve the required permissions and settings.
- After membership and motorcycle selection are completed:

Call the GP Kompozit Consultation Line: ☎ 0850 305 5547 and connect to a customer representative.

During the call with the customer representative:

- Your membership information created in the application will be verified.
- Activation and pairing of the purchased and installed GP GARAJ Tracking Device will be completed.
- At this stage, you will be asked for the device IMEI or Serial Number (therefore it must be recorded in advance).

After activation and pairing are completed, your system will be ready for use according to the guidance and information provided by the customer representative.

Following activation approval, the user can safely begin using the device and the application.

Important Notes

- All technical warnings specified for correct positioning, connection, and installation of the device must be taken into consideration.
- The device does not transmit data to the tracking system until activation is completed.
- Activation and pairing are performed only through the authorized support line of GP Kompozit.
- Fast Support: Activation, pairing, and technical support are provided only via the official consultation line.
- Data Security: Location and sensor data transmitted from the device are protected using encrypted communication protocols.

3 Step Installation

This page describes only the installation process: GPS Device, Siren, and Blocking Relay.

Important: The device must remain in an upright position. The label “THIS SIDE UP” on the device must always face upward.

This ensures clearer and more efficient operation of the system.

Note (IMEI / Serial No): Take and keep a photo of the IMEI and Serial Number label located on the back of the device (including the cut/sticker shadow). Customer service will request this information during activation.

1 GPS Device

Power + Ground + Ignition Detection and pin/terminal logic

- **Red (VCC / +):** Constant +12V (battery + / fuse box)
- **Black (GND / -):** Battery (-) or metal chassis
- **Yellow (DIN1):** Line that becomes active when the ignition is turned on (verify with a multimeter)
- **Blue (DOUT1):** Siren trigger output
- **Gray (DOUT2):** Blocking relay control output

Description

Red – Power supply (10-30) V DC (+)

Yellow – Digital Input, Channel 1. Reserved for ignition input

Blue – Siren trigger output

Gray – Blocking relay control output

Black – Battery (-) or metal chassis

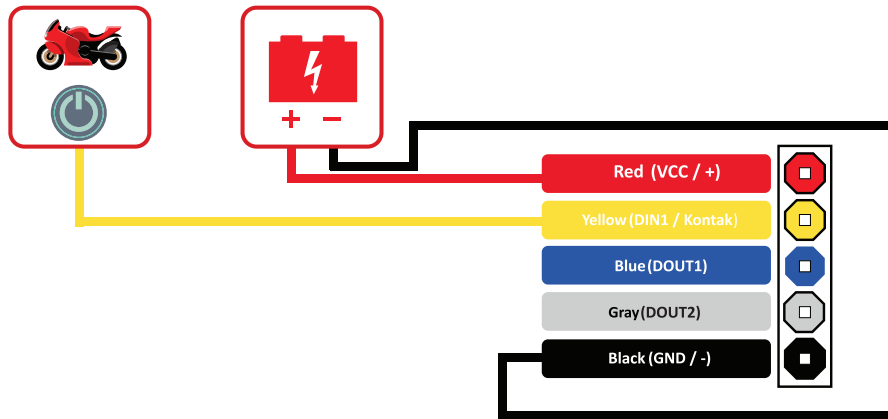
Red (VCC / +)

Yellow (DIN1 / Kontak)

Blue (DOUT1)

Gray (DOUT2)

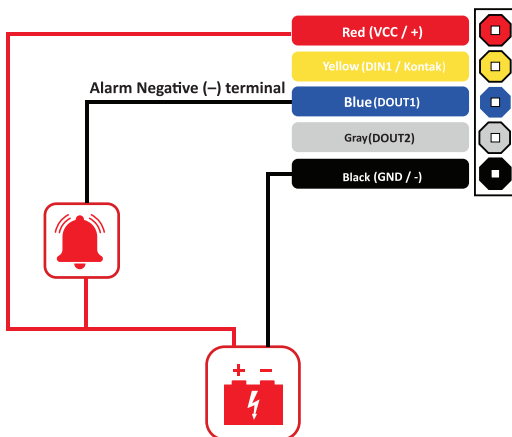
Black (GND / -)



2 Siren

The siren is powered by a separate electrical circuit. The GPS only provides the trigger.

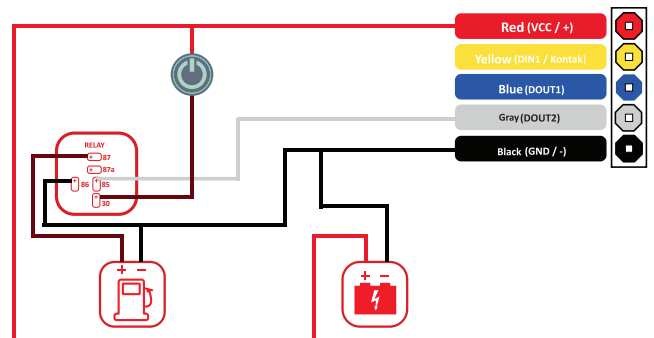
- **Siren +12V:** Receives power from the battery (its own power line).
- **Siren (-):** Connects to the GPS DOUT1 (Blue Wire) output.
- **Common Ground:** Maintain the GND reference.



3 Blocking Relay

The siren is powered by a separate electrical circuit. The GPS only provides the trigger.

- **30 (COM):** +12V line going to the fuel pump.
- **87 (NO):** Goes to the positive input of the pump.
- **86:** Engine ground (-).
- **85:** Connects to the GPS DOUT2 (Gray) output.
- **Logic:** When a blocking command is issued, DOUT2 LOW provides a negative signal, the relay is energized, and the pump power is cut.



Warranty & Technical Durability

- The GP Garaj Tracking Device is covered by a 2-year warranty against manufacturing and workmanship defects.
 - The internal battery (battery cell) inside the device is covered by a 1-year warranty.
 - Battery lifespan may vary depending on riding habits, use of sleep modes, and environmental conditions.
- The device is optimized to protect both the battery and the motorcycle's main battery through three different smart sleep modes.

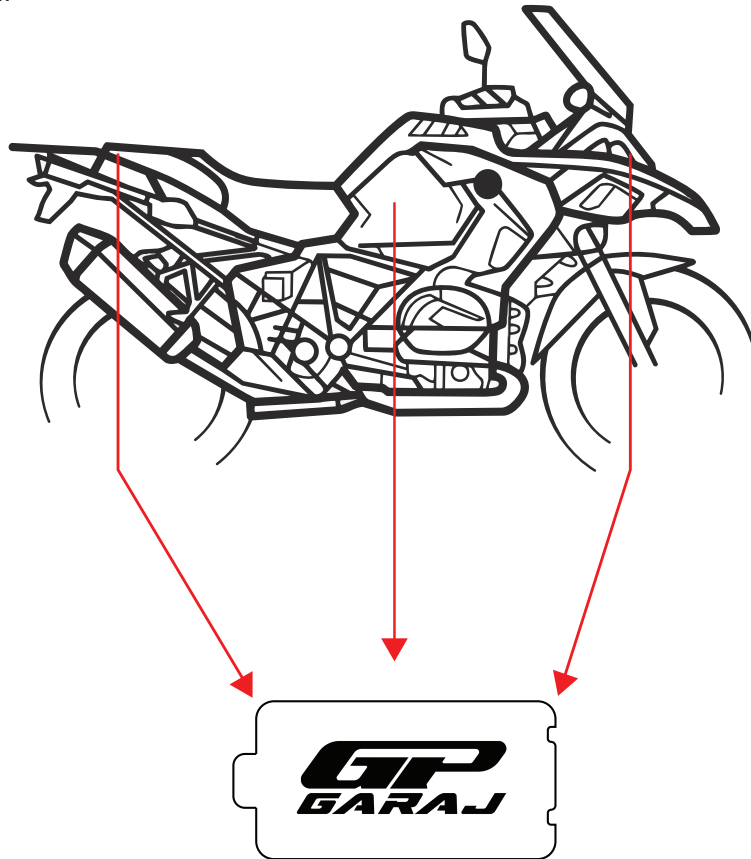
- It has IP67 certification, providing full protection against water and dust ingress.
It operates safely in rain, mud, washing water, and harsh off-road conditions.
 - It has passed durability tests suitable for motorcycle use against shock, impact, and vibration.
 - Operating Temperature: -20°C / +40°C
 - Usage Scenarios: Ignition on/off riding, vibration, towing, falling, alarm integration, group riding feature, motorcycle battery energy monitoring
 - Siren/Buzzer & Relay Support: Optional (active if purchased)
- Conditions Outside the Scope of Warranty

The following situations are considered out of warranty:

- Unauthorized intervention, disassembly, or damage to electronic components
- Physical damage such as crushing, puncturing, or burning of the device
- Incorrect installation or connections not compliant with the manual
- Exposure to chemical liquids or contact with corrosive substances
- Damage caused by natural disasters or high voltage

Technical Documentation

For detailed technical specifications, installation instructions, certification information, and more, you can visit gpgaraj.com.



Install the device in a hard-to-reach location suitable for your motorcycle, selecting from the indicated areas and following the pre-installation rules.
The sections shown above are installation recommendations.



Box Contents

The standard package includes the following items:

- User Manual
- GP Garaj Motorcycle Tracking Device
- Device Power Cable (Energy Cable)

Optional Accessories (Included in the box if additionally requested at the time of purchase):

- Optional Buzzer (Alarm/Buzzer Module)
- Optional Blocking Relay and Connection Socket