

PGST PG107-2G-C

PGST PG107 Home Alarm System User Manual

Model: PG107-2G-C | Brand: PGST

1. INTRODUCTION

The PGST PG107 Home Alarm System is a comprehensive security solution designed to protect your home. This system supports both Wi-Fi and 2G/GSM connectivity, offering flexible operation modes. It can be controlled remotely via a dedicated mobile application and is compatible with popular smart home platforms like Google Home and Amazon Alexa for voice control. The system includes a central control panel, various sensors, and remote access features to ensure your peace of mind.

Key features include:

- Dual network support: Wi-Fi and GSM (with SIM card) for reliable communication.
- Remote control via mobile app (Tuya Smart) from anywhere in the world.
- Compatibility with Google Home and Amazon Alexa for convenient voice control.
- Multifunctional home security including door/window sensors, motion detectors, and SOS emergency calls.
- Expandable system with support for additional sensors and accessories.
- Built-in backup battery for continued operation during power outages.

2. SYSTEM COMPONENTS

The PGST PG107 alarm system typically includes the following components:

- **Main Control Panel:** The central unit with a 4.3-inch display, Wi-Fi, and GSM module.
- **Remote Controls:** For arming, disarming, and SOS functions.
- **RFID Tags:** For quick disarming by swiping.
- **Door/Window Sensors:** Detect opening and closing of entry points.
- **Infrared Motion Detector:** Detects movement within a designated area.
- **Siren:** Produces a loud alarm sound when triggered.



Figure 2.1: Overview of the PGST PG107 Alarm System and its included components.

3. SETUP AND INSTALLATION

3.1 Initial Power-On

Connect the main control panel to a power source using the provided adapter. The system will power on and display the main interface.

3.2 Connecting to Home Wi-Fi (via Tuya App)

To enable remote control and smart home integration, connect the alarm system to your home Wi-Fi network using the Tuya Smart app. Ensure your Wi-Fi is 2.4GHz.

1. **Download the Tuya App:** Search for "Tuya Smart" in your mobile app store (App Store for iOS or Google Play Store for Android) and install it.
2. **Add Equipment:** Open the Tuya Smart app. Tap on "Add Device" or the '+' icon. Select "Security & Video Surveillance" and then "Alarm (Wi-Fi)" or use the auto-scan feature.
3. **Connect to Home Wi-Fi:** Enter your 2.4GHz Wi-Fi network name and password in the app.

4. **Pair the Device:** On the alarm panel, navigate to the Wi-Fi settings and put it into pairing mode (EZ Mode, usually indicated by a rapidly blinking Wi-Fi indicator). Confirm this in the app and wait for the device to connect.

Your browser does not support the video tag.

Video 3.1: Demonstrates the process of connecting the PG107 alarm system to your home Wi-Fi network using the Tuya Smart application.

3.3 Installing Sensors

Place door/window sensors on frames and motion detectors in strategic locations to cover entry points and vulnerable areas. Ensure they are within wireless range of the main panel.

4. OPERATING INSTRUCTIONS

4.1 Arming and Disarming the System

The system can be armed or disarmed using the remote control, RFID tag, or the mobile app.

- **Arm (Away Mode):** Press the lock icon on the remote control or select "Arm" in the app. The system will arm all sensors.
- **Disarm:** Press the unlock icon on the remote control, swipe an authorized RFID tag on the panel, or select "Disarm" in the app.
- **Stay Arm (Home Mode):** Press the home icon on the remote control or select "Home" in the app. This arms perimeter sensors while allowing free movement inside.

4.2 Pairing Accessories

New remote controls, RFID tags, door sensors, and motion detectors can be easily paired with the main control panel.

1. **Access Pairing Menu:** On the main panel, navigate to the "Parts" or "Accessories" menu.
2. **Add Remote Control:** Select "Remote" and then the add icon. Press any button on the remote control to pair it.
3. **Add RFID Tag:** Select "RFID" and then the add icon. Swipe the RFID tag near the RFID reader on the panel to pair it.
4. **Add Door Sensor/Motion Detector:** Select "Detector" and then the add icon. Trigger the sensor (e.g., separate the door sensor magnets, or wave hand in front of motion detector) to pair it.

Your browser does not support the video tag.

Video 4.1: Guide on how to connect and pair various accessories such as remote controls, RFID tags, door sensors, and motion detectors with the PG107 alarm host.

4.3 Two-Way Voice Intercom

The system supports two-way voice communication, allowing you to make and receive calls directly through the control panel. This feature is useful for communicating with family members at home or for emergency situations.

Two-Way Voice Intercom Function

Make And Receive Calls, Voice Messages,
SMS Remote Control, Provide You With An Intelligent Life



Figure 4.2: The control panel supports two-way voice communication for convenient interaction.

4.4 SOS Emergency Function

In case of an emergency, pressing the SOS button on the control panel or remote control will trigger an immediate alarm and send alerts to pre-set emergency contacts. This feature is particularly beneficial for the elderly or individuals who may need quick assistance.

The Elderly SOS Help

When the elderly and children stay home alone and encounter any emergency, alarm system will inform you in time.



Figure 4.3: The SOS button provides immediate emergency assistance, alerting designated contacts.

4.5 Smart Home Integration (Google Home & Alexa)

The PG107 system is compatible with Google Home and Amazon Alexa, allowing for voice-activated control of arming and disarming functions. Link your Tuya Smart account with your smart assistant app to enable this feature.

Support Alexa Voice Control



Figure 4.4: The alarm system supports voice control through Amazon Alexa and Google Assistant.

5. MAINTENANCE

5.1 Battery Monitoring

The system provides alerts when wireless sensor batteries are low, ensuring continuous protection. Replace batteries promptly when notified.

Wireless Sensor Batteries Are Low

Gate magnetic, infrared low voltage host will send a message to the APP



Figure 5.1: The system notifies you when wireless sensor batteries are running low.

5.2 Backup Battery

The main control panel includes a backup battery, providing approximately 8.5 hours of operation during power outages. This ensures your home remains protected even without grid power.

Low Power Consumption, Backup Battery(8.5 Hours)
Take It Easy About Power Failure



Figure 5.2: The system features low power consumption and a backup battery for power failure situations.

5.3 Cleaning

Wipe the control panel and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

6. TROUBLESHOOTING

- **System not connecting to Wi-Fi:** Ensure your Wi-Fi is 2.4GHz. Check Wi-Fi password. Move the panel closer to the router.
- **Sensors not triggering alarm:** Check sensor battery levels. Ensure sensors are properly paired and within range. Verify sensor placement (e.g., magnets aligned for door sensors).
- **False alarms:** Adjust motion detector sensitivity if available. Ensure sensors are not placed near heat sources or in direct sunlight. Check for loose connections.
- **Remote control not working:** Check remote control battery. Re-pair the remote control with the main panel.
- **No sound from siren:** Ensure the siren is properly connected to the main panel. Check siren volume settings.

7. SPECIFICATIONS

Feature	Specification
Manufacturer	PGST
Model Number	PG107-2G-C
Product Dimensions	65 x 45 x 25 cm
Product Weight	960 g
Power Source	Battery
Battery Type	1 Lithium Ion (required)
Installation Method	Screwed
Mounting Type	Windows
Connectivity Technology	Wireless (Wi-Fi, GSM)
Compatible Devices	Smartphone
Alert Type	Audio and Motion
Control Method	Remote Control
Recommended Uses	Home Security, Smart Home Integration


8. WARRANTY AND SUPPORT


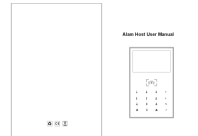


For warranty information and technical support, please refer to the official PGST website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.



© 2024 PGST. All rights reserved.

Related Documents - PG107-2G-C

	<p>PGST Smart Alarm System - Operating Instructions and Support</p> <p>Get started with your PGST Smart Alarm System (PG-103, PG107). This guide provides operating instructions, support contact, and information on multilingual resources for home security.</p>
---	---

	<p>GSM & WiFi Alarm System User Manual</p> <p>User manual for the GSM & WiFi Alarm System, detailing features, setup, operation, and mobile app integration for the PG103 alarm host.</p>
	<p>PGST PG-500 GSM 2G/4G/WiFi Alarm System User Manual</p> <p>Detailed user manual for the PGST PG-500 GSM 2G/4G/WiFi Alarm System. Covers installation, mobile app setup and operation, system settings, daily use, maintenance, technical specifications, and troubleshooting.</p>
	<p>PGST PG-109 Alarm Host User Manual</p> <p>Comprehensive user manual for the PGST PG-109 Alarm Host security system, covering installation, operation, features like remote control, wireless detectors, app integration, and technical specifications.</p>
	<p>Smart System Alarmowy PG-103 PGST Tuya GSM 4G Instrukcja obsługi</p> <p>Instrukcja obsługi systemu alarmowego Smart System Alarmowy PG-103 PGST Tuya GSM 4G. Szczegółowe informacje o funkcjach, instalacji, konfiguracji i codziennej obsłudze urządzenia.</p>
	<p>PG-S01 Smoke Alarm User Manual PGST</p> <p>Comprehensive user manual for the PGST PG-S01 Smoke Alarm, covering installation, operation, troubleshooting, and technical specifications. Ensure home safety with this reliable photoelectric smoke detector.</p>