PGST PGST103F

PGST Wireless WiFi Home Alarm System 2025 User Manual

Model: PGST103F

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your PGST Wireless WiFi Home Alarm System 2025. Please read this manual thoroughly before using the system to ensure proper functionality and safety. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The PGST Wireless WiFi Home Alarm System is designed to provide robust security for your home. It features a 2.4-inch LCD screen, keypad, and supports both WiFi and GSM/4G connectivity for reliable alerts. The system is expandable with various PGST accessories and can be controlled via a mobile application and voice assistants.

2.1. Package Contents

The standard package includes the following components:

- Alarm Host System (Main Panel)
- Wireless PIR Motion Detectors
- Wireless Door/Window Sensors
- Remote Controls
- RFID Tags
- Siren
- Power Adapter
- Mounting Hardware

2.2. Key Features

- **2.4-inch LCD Screen:** Provides clear visibility and easy access to security controls.

- **Dual Network Connectivity:** Supports WiFi and GSM/4G for continuous monitoring and alerts.
- **Mobile App Control:** Compatible with Smart Life and Tuya applications for remote management and real-time notifications.
- **Voice Assistant Integration:** Works with Amazon Alexa and Google Assistant for convenient voice control.
- **Multiple Arming Modes:** Arm, Disarm, and Stay at Home modes to suit various situations.
- **Expandable System:** Supports additional PGST 433MHz accessories like cameras, smoke detectors, and more sensors.
- **120dB Siren:** Powerful alarm sound to deter intruders.
- **SMS/Call Notifications:** Automatically sends alerts to pre-set contacts during an alarm event.
- **Anti-Demolition Alarm:** Triggers an alarm if the main unit is tampered with or removed.
- **Multi-Language Support:** Menu display and voice prompts available in 9 languages.

Image: Overview of the PGST Wireless WiFi Home Alarm System, showing the main panel, motion sensors, door/window sensors, remote controls, and RFID tags.

Image: Close-up of the PGST alarm system's main panel, highlighting its 2.4-inch TFT colorful display screen and keypad.

3. SAFETY INFORMATION

- Ensure the system is installed in a dry environment, away from direct sunlight and extreme temperatures.
- Use only the provided power adapter.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.
- Keep the device and its components out of reach of children.
- Regularly check battery levels of wireless sensors and replace them as needed.

4. SETUP

4.1. Main Panel Installation

1. **Power Connection:** Connect the provided power adapter to the main panel and plug it into a power outlet.
2. **SIM Card Insertion (Optional):** If using GSM/4G connectivity, insert a Micro SIM card into the designated slot on the side of the main panel. Ensure the SIM card is active and has sufficient credit/data.
3. **Mounting:** Choose a central location in your home for the main panel. It can be placed on a flat surface or mounted on a wall using the provided hardware.

Image: Side view of the PGST main panel, showing the Micro SIM card slot, siren port, USB 5V port, microphone, and ON/OFF switch.

4.2. App Download and Pairing

1. Download the **Smart Life** or **Tuya Smart** application from your smartphone's app store (iOS or Android).
2. Register for an account or log in if you already have one.
3. Follow the in-app instructions to add a new device. Select 'Security & Sensor' and then 'Alarm (Wi-Fi)'.
4. Ensure your main panel is in pairing mode (refer to the panel's display for instructions). Connect the panel to your 2.4GHz WiFi network.
5. Once paired, you can control the system and receive notifications via the app.

4.3. Sensor Installation

The system includes wireless PIR motion detectors and door/window sensors. These sensors are pre-paired with the main panel in most kits. If not, refer to the main panel's menu for adding new accessories.

- **Door/Window Sensors:** Install on doors and windows using the adhesive backing. Ensure the two parts of the sensor are aligned and within 1 cm of each other when the door/window is closed.
- **PIR Motion Detectors:** Mount in corners or on walls in areas where intruders are likely to pass. Position them to cover the desired detection area, avoiding direct sunlight or heat sources.

4.4. Anti-Demolition Alarm Function

The main panel is equipped with an anti-demolition feature. If the host unit is forcibly removed from its mounting bracket, it will trigger a local alarm and send a call or text message notification to the owner's pre-set phone numbers.

Image: Diagram illustrating the anti-demolition alarm function, showing the main panel being removed from its bracket and triggering an alarm notification to a smartphone.

5. OPERATING INSTRUCTIONS

5.1. Arming and Disarming

The system offers three primary modes:

- **Arm Mode:** All sensors are active. Any triggered sensor will activate the alarm. Use when leaving the premises.
- **Disarm Mode:** All sensors are inactive. The alarm will not trigger.
- **Stay at Home Mode:** Typically activates perimeter sensors (e.g., door/window sensors) while allowing movement within the home (e.g., motion sensors are inactive).

You can arm or disarm the system using:

- The main panel keypad.
- The remote controls.
- The Smart Life/Tuya application.
- RFID tags (by tapping on the RFID area of the main panel).
- Voice commands (via Alexa or Google Assistant).

5.2. Emergency (SOS) Function

Press the SOS button on the main panel or remote control in an emergency. This will immediately trigger the alarm and send emergency notifications to pre-set contacts.

5.3. Alarm Notifications

When an alarm is triggered, the system will:

- Activate the siren (120dB).
- Send push notifications to your smartphone via the app.

- Send SMS messages to up to 5 pre-set phone numbers.
- Initiate calls to up to 5 pre-set phone numbers. If a number is busy, it will automatically dial the next reserved number.

Image: Illustration of the alarm system sending notifications (calls and SMS) to five pre-set contacts when an intrusion is detected.

5.4. Automatic Arm/Disarm Scheduling

You can set schedules for the system to automatically arm or disarm at specific times through the mobile application. This feature helps automate your security routine.

Image: Examples of automatic arming and disarming schedules, such as disarming upon waking up, arming when leaving, disarming upon returning home, and arming when sleeping.

5.5. Voice Control Integration

The PGST alarm system is compatible with Amazon Alexa and Google Assistant. After linking your system to these platforms via the Smart Life/Tuya app, you can use voice commands to arm or disarm your system.

Image: A woman on a sofa interacting with an Amazon Alexa device, demonstrating voice control for the PGST alarm system.

5.6. Language Settings

The system supports 9 languages for its menu display, voice operation prompts, and alarm SMS settings. You can change the language through the main panel's settings menu.

Image: The PGST alarm system displaying various languages, indicating support for 9 different languages including English, French, Spanish, and German.

6. MAINTENANCE

6.1. Battery Management

- **Wireless Sensors:** The wireless sensors operate on batteries. The system will send a low battery alert to your app when a sensor's battery is running low. Replace batteries promptly to ensure continuous protection.

- **Main Panel Backup Battery:** The main panel has a built-in backup battery providing approximately 24 hours of operation during a power outage. Ensure the main panel is always connected to power for optimal performance.

Image: A smartphone screen displaying a low battery alarm notification from a wireless sensor, indicating the need for battery replacement.

6.2. Cleaning

Wipe the main panel and sensors with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these can damage the devices.

7. TROUBLESHOOTING

Issue	Possible Cause	Solution
System not connecting to WiFi	Incorrect WiFi password; only supports 2.4GHz WiFi; router too far.	Verify password. Ensure your router is set to 2.4GHz or has a mixed mode. Move the main panel closer to the router.
Sensors not triggering alarm	Low battery; sensor not paired; system in Disarm mode.	Check sensor batteries and replace if needed. Re-pair the sensor with the main panel. Ensure the system is in Arm or Stay at Home mode.
No app notifications	App permissions not granted; internet connectivity issues; app not running in background.	Check your phone's app notification settings. Verify internet connection on both phone and alarm panel. Ensure the app is allowed to run in the background.
No SMS/Call alerts	No SIM card or inactive SIM; incorrect pre-set numbers; poor GSM signal.	Ensure a working SIM card is inserted and has credit. Verify the pre-set emergency numbers in the system settings. Check GSM signal strength.
Voice control not working	Not linked to Alexa/Google Assistant; incorrect voice commands.	Ensure the PGST system is correctly linked to your Alexa or Google Assistant account via the Smart Life/Tuya app. Use the exact voice commands specified in the app.

8. SPECIFICATIONS

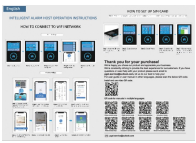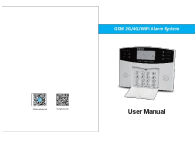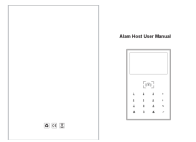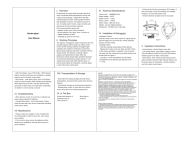| Feature	Specification
Model Number	PGST103F
Dimensions (L x W x H)	22 x 15 x 10 cm
Weight	1 kilogram
Power Source	Battery Powered (Main unit also requires 5V DC adapter)
Voltage	5 Volts (DC)
Power Consumption	5 Watts
Connectivity Technology	WiFi (2.4GHz), GSM/4G (SIM card required)
Sound Level	80 Decibels (Siren is 120dB)
Compatible Devices	Smartphone (iOS/Android), Amazon Alexa, Google Assistant
Battery Composition	Alkaline (for sensors), Built-in rechargeable (for main unit backup)

Feature	Specification
Backup Battery Life	Approximately 24 hours
Installation Method	Self-adhesive (for sensors), Wall-mountable (for main unit)

9. WARRANTY AND SUPPORT

The PGST Wireless WiFi Home Alarm System comes with a **1-year warranty**. For any technical assistance, troubleshooting, or warranty claims, please contact PGST customer support. **24/7 customer support** is available to assist you with any questions or issues you may encounter.

Please refer to the product packaging or the official PGST website for specific contact details.

Related Documents - PGST103F

	PGST Smart Alarm System - Operating Instructions and Support 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.
	GSM & WiFi Alarm System User Manual User manual for the GSM & WiFi Alarm System, detailing features, setup, operation, and mobile app integration for the PG103 alarm host.
	PGST PG-500 GSM 2G/4G/WiFi Alarm System User Manual 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.
	PGST PG-109 Alarm Host User Manual 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.
	**PG-S01 Smoke Alarm User Manual	PGST** 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.
	Smart System Alarmowy PG-103 PGST Tuya GSM 4G Instrukcja obsługi Instrukcja obsługi systemu alarmowego Smart System Alarmowy PG-103 PGST Tuya GSM 4G. Szczegółowe informacje o funkcjach, instalacji, konfiguracji i codziennej obsłudze urządzenia.