

PGST PGST A105F

PGST Smart Home Security System (Model PGST A105F) Instruction Manual

Comprehensive Guide for Setup, Operation, and Maintenance

1. OVERVIEW

The PGST Smart Home Security System (Model PGST A105F) is a wireless alarm solution designed to provide comprehensive protection for your home. This system integrates door alarms, motion detectors, and offers remote alerts via GSM 4G and the Tuya App. It is compatible with smart home platforms like Alexa and Google Assistant, ensuring seamless integration into your existing smart home ecosystem.

Key Features:

- **Real-Time Alerts:** Receive notifications via the Smart Life/Tuya App or through calls/messages via a 4G GSM card during emergencies.
- **No Monthly Fees:** Operate the system without recurring charges.
- **Multiple Alarm Modes:** Supports Arm, Disarm, and Stay at Home modes, configurable via the app.
- **Intelligent Control:** Accurately detects intrusions and issues early warnings. Expandable with additional PGST accessories.
- **Easy DIY Installation:** Designed for straightforward setup in key areas of your home.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for convenient arming and disarming.
- **Multi-Language Support:** Supports 11 languages for menu display, voice operation, and SMS settings.



Figure 1.1: Overview of the PGST Smart Home Security System, including the main control panel, remote controls, RFID tags, motion detectors, and door/window sensors.

2. COMPONENTS INCLUDED

The 16-piece kit typically includes the following components:

- 1 x PGST A105F Home Alarm System (Main Control Panel)
- Wireless Door/Window Sensors (Multiple units)
- Wireless PIR Motion Detectors (Multiple units)
- Remote Controls (Key fobs)
- RFID Tags
- Power Adapter for Main Control Panel
- Mounting Hardware

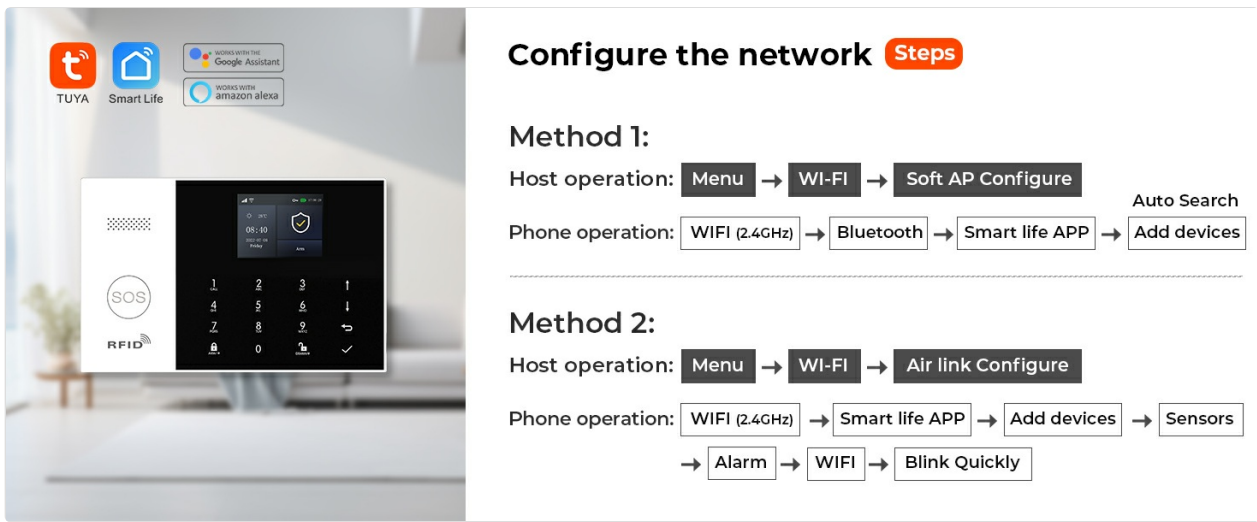


Figure 2.1: Close-up view of a door/window sensor and a motion detector, key components for intrusion detection.

3. SETUP INSTRUCTIONS

3.1 Initial Power-Up and SIM Card Installation

1. Connect the main control panel to a power outlet using the provided power adapter.
2. If using 4G GSM features, insert a compatible 4G SIM card into the designated slot on the control panel. Ensure the SIM card is activated and has sufficient credit/data.
3. The system will power on and display the initial setup screen.

3.2 App Download and Account Creation

1. Download the **Smart Life** or **Tuya Smart** app from your smartphone's app store (iOS or Android).
2. Register for a new account or log in if you already have one.

3.3 Network Configuration (Wi-Fi Pairing)

The system supports two methods for Wi-Fi configuration:



Figure 3.1: Visual guide for configuring the network connection for the PGST Smart Home Security System.

Method 1 (Soft AP Configure):

1. **Host Operation:** On the control panel, navigate to **Menu** > **Wi-Fi** > **Soft AP Configure**.

2. **Phone Operation:** Open the Smart Life app. Ensure your phone's Wi-Fi is connected to a 2.4GHz network. Enable Bluetooth. In the app, select **Add devices** and follow the prompts for auto search.

Method 2 (Air Link Configure):

1. **Host Operation:** On the control panel, navigate to **Menu > Wi-Fi > Air Link Configure**.
2. **Phone Operation:** Open the Smart Life app. Ensure your phone's Wi-Fi is connected to a 2.4GHz network. In the app, select **Add devices > Sensors > Alarm (Wi-Fi)**. Follow the instructions to make the device blink quickly for pairing.

3.4 Pairing Sensors and Accessories

1. Access the pairing menu on the main control panel or through the Smart Life/Tuya App.
2. Activate each sensor (e.g., open a door/window for a door sensor, trigger a motion detector) to send a signal to the control panel.
3. Confirm successful pairing on the control panel display or within the app. Assign a name and location to each sensor for easy identification.

3.5 Installation of Sensors

- **Door/Window Sensors:** Mount the two parts of the sensor on the door/window frame and the door/window itself, ensuring they are aligned and within 1 cm of each other when closed.
- **Motion Detectors:** Install motion detectors in corners or areas with clear lines of sight to detect movement, typically 6-8 feet above the floor. Avoid placing them near heat sources or direct sunlight.

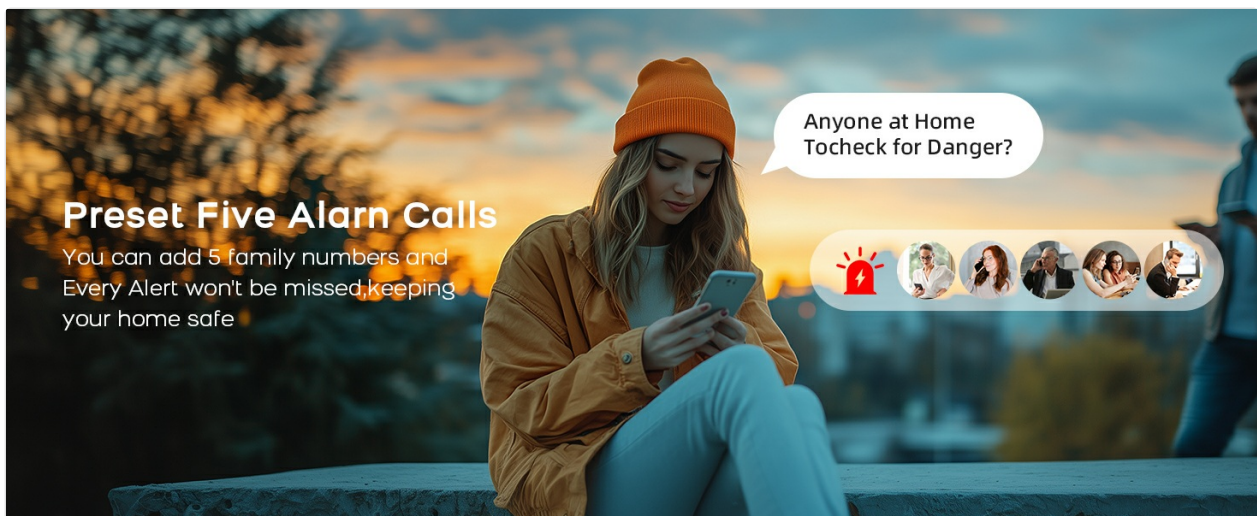


Figure 3.2: Illustration of how the security system can protect various areas of a home, including doors, windows, and interior spaces.

4. OPERATING INSTRUCTIONS

4.1 Arming and Disarming the System

The system offers three primary modes:

- **Arm:** Activates all sensors. Ideal when leaving the home.
- **Disarm:** Deactivates all sensors. Required for normal entry and exit.
- **Stay at Home (Partial Arm):** Activates perimeter sensors (e.g., door/window sensors) while allowing movement within the home (e.g., motion detectors are inactive).

You can switch modes using the control panel, remote controls, or the Smart Life/Tuya App.

Arm and disarm regularly saving time and effort

You can set the arm, disarm, stay arm, SOS and other functions on the app. On reaching the time set, the system will automatically start this function.

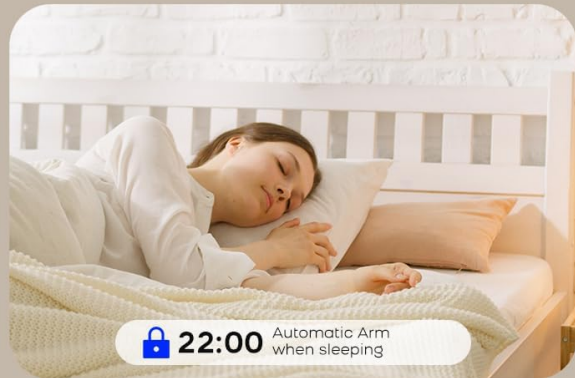
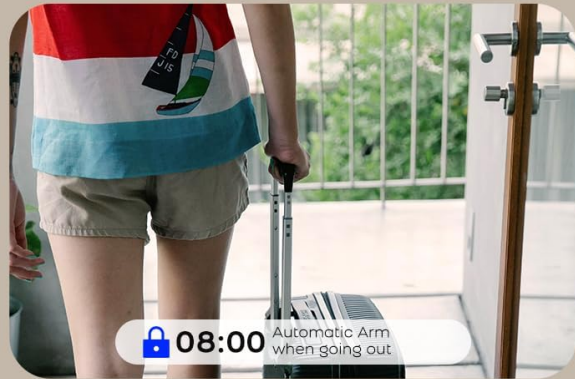
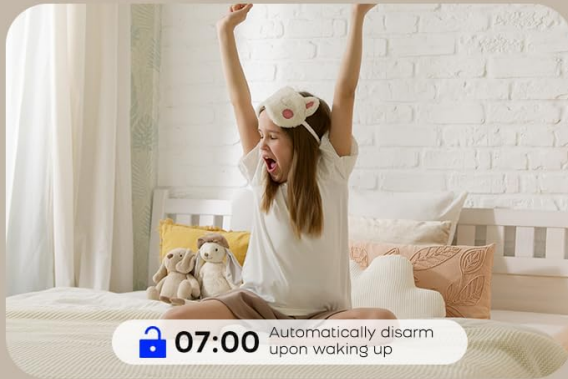


Figure 4.1: Example of setting scheduled arm and disarm times for automated security management.

4.2 Scheduled Arm/Disarm

Set specific times for the system to automatically arm or disarm via the Smart Life/Tuya App. This feature saves time and ensures consistent security.

4.3 Emergency (SOS) Function

Press the SOS button on the control panel or a dedicated SOS remote to trigger an immediate alarm and send alerts to pre-set emergency contacts. This feature is particularly useful for elderly individuals or in urgent situations.

DOOR WINDOW AND MOTION SENSOR

When someone try to entry house,
the door sensor and PIR detector is activated,the HOST system will
make a loud alarm sound and give you real-time reminder



Figure 4.2: The SOS button provides a quick way to alert contacts in an emergency, enhancing safety for all household members.

4.4 Alarm Notifications and Calls

When an alarm is triggered, the system will:

- Sound a loud siren.
- Send push notifications to the Smart Life/Tuya App on your smartphone.
- If a 4G GSM card is installed, it will send SMS messages and make calls to up to five pre-set emergency numbers. The system will automatically dial the next number if a line is busy.

5 preset alarm calls no missing any alarm information

When the host dials an alarm and encounters busy line, it will dial the next reserved number. Do not miss every alarm notification



Figure 4.3: The system can notify up to five contacts via calls and messages, ensuring no alarm information is missed.

4.5 Voice Control Integration

Integrate your PGST A105F system with Amazon Alexa or Google Assistant for hands-free control. Once linked, you can use voice commands like "Alexa, Disarm my home" or "Hey Google, Arm the security system."

Support Alexa voice control



Figure 4.4: Voice control via Alexa or Google Assistant provides convenient management of your security system.

4.6 Anti-Demolition Alarm Function

The main control panel features an anti-demolition alarm. If the device is forcibly removed from its mounting location, it will beep and send a call or text message to the host, indicating tampering.

Anti-demolition alarm function

Install a detachable device at the back, and once removed, The host will keep an alarm on the spot, and send a call or text message to the host



Figure 4.5: The anti-demolition feature provides an additional layer of security by alerting you if the main panel is tampered with.

5. MAINTENANCE

5.1 Battery Management

- **Wireless Sensors:** The wireless door/window sensors and motion detectors are battery-powered. The system will notify you via the app when sensor batteries are low. Replace batteries promptly to ensure continuous protection.
- **Main Control Panel:** The main control panel is primarily powered by the included adapter. It may contain a backup battery for short power outages (check specific model details for backup battery type and replacement).

Wireless sensor battery low battery alar

Door magnet, infrared low voltage sends signals to the host, and the host pushes information to the user through the APP



Figure 5.1: An example of a low battery alert for a wireless sensor, indicating it's time for replacement.

5.2 Cleaning

Wipe the control panel and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the devices.

6. TROUBLESHOOTING

- **System Not Connecting to Wi-Fi:** Ensure your Wi-Fi network is 2.4GHz. Verify the Wi-Fi password. If issues persist, try both Soft AP and Air Link configuration methods. Some users have reported better success pairing through the app directly rather than strictly following panel instructions.
- **Sensors Not Triggering Alarm:** Check sensor battery levels. Ensure sensors are correctly paired and within range of the main control panel. Verify that the system is armed in the appropriate mode (e.g., motion detectors are active in 'Arm' mode, but not 'Stay at Home' mode).
- **No App Notifications:** Check your phone's notification settings for the Smart Life/Tuya App to ensure notifications are enabled. Verify the control panel has a stable internet connection.
- **GSM Calls/SMS Not Working:** Ensure the 4G SIM card is correctly inserted, activated, and has sufficient balance. Check network coverage in your area. Verify that emergency contact numbers are correctly programmed into the system.

- **False Alarms:** Review sensor placement. Motion detectors should be away from direct sunlight, heating vents, or pets that might trigger them. Adjust sensitivity settings if available.

7. SPECIFICATIONS

Feature	Specification
Brand	PGST
Model Number	PGST A105F
Connectivity Technology	Wireless (Wi-Fi, 4G GSM)
Power Source	Battery Powered (Sensors), Adapter Powered (Main Panel)
Compatible Devices	Smartphone (Tuya App / Smart Life App), Amazon Alexa, Google Assistant
Control Method	App, Control Panel, Remote Control
Item Dimensions (L x W x H)	8 x 6 x 4 inches (Main Panel)
Item Weight	1 pound (Main Panel)
UPC	704444503065
Display	2.4-inch TFT Colorful Display Screen
Languages Supported	11 (Chinese, English, German, Russian, Spanish, Polish, Italian, French, Portuguese, Greek, Romanian)






8. WARRANTY AND SUPPORT

The PGST Smart Home Security System comes with a **1-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use.

For technical support, troubleshooting assistance, or warranty claims, please contact PGST customer service. Refer to the contact information provided with your product packaging or visit the official PGST website for support details.

When contacting support, please have your product model number (PGST A105F) and proof of purchase readily available.

Related Documents - PGST A105F

	<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>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>Carbon Monoxide Gas Alarm Detector PG-C01/PG-C02/PG-C03/PG-C04/PG-C05 User Manual</p> <p>Comprehensive user manual for the PGST Carbon Monoxide Gas Alarm Detector models PG-C01, PG-C02, PG-C03, PG-C04, and PG-C05. Covers installation, operation, troubleshooting, maintenance, technical specifications, and important information about carbon monoxide.</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>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>