

PGST 103-A

PGST 103-A Smart Home Security System User Manual

Model: 103-A (PG103-US4G-A)

INTRODUCTION

Thank you for choosing the PGST 103-A Smart Home Security System. This system is designed to provide comprehensive protection for your home with advanced features, including WiFi and 4G connectivity, smartphone alerts, and compatibility with smart home platforms like Alexa. This manual will guide you through the installation, operation, and maintenance of your security system to ensure optimal performance and peace of mind.

PRODUCT OVERVIEW

Package Contents

The PGST 103-A 8-piece kit includes the following components:

- 1 x Control Panel (Alarm Host)
- 1 x Motion Sensor (PIR Sensor)
- 1 x Door/Window Sensor
- 2 x RFID Cards
- 2 x Remote Controls
- 1 x Wired Siren



Image: All components of the PGST 103-A 8-piece smart home security system, including the control panel, motion sensor, door/window sensor, RFID cards, remote controls, and siren.

Key Features

- **Dual Connectivity:** Supports GSM/4G and WiFi (2.4GHz) for reliable communication.
- **Smartphone Control:** Remote management via Smart Life or Tuya app.
- **Real-time Alerts:** Instant notifications to your smartphone upon alarm trigger.
- **Loud Siren:** 120dB siren to deter intruders.
- **Expandable:** Supports connection of over 99 additional sensors.
- **Anti-Tamper Protection:** Physical anti-tamper mechanism and password-lock alarm.
- **Voice Control:** Compatible with Amazon Alexa for hands-free operation.
- **No Monthly Fees:** Enjoy full functionality without recurring subscription costs.

SETUP GUIDE

1. Initial Control Panel Setup

1. **Power On:** Connect the control panel to a power source using the provided adapter. Ensure the internal battery is charged for backup power.
2. **SIM Card Installation (Optional for 4G/GSM):** If using 4G/GSM connectivity, insert a compatible 4G SIM card into the designated slot on the control panel. Ensure the SIM card is active and has sufficient credit/data.
3. **Network Connection:**
 - **WiFi:** On the control panel, navigate to network settings. Select your 2.4GHz WiFi network and enter the password.
 - **4G/GSM:** The system will automatically connect to the cellular network if a valid SIM card is inserted.

Wi-Fi + 4G Dual Support

After connecting to Wi-Fi or inserting a 4G SIM card, you can receive remote alerts via smartphone notifications, text messages, and phone calls (Calls incur an extra fee).



Image: Diagram illustrating the dual support for WiFi (2.4GHz) and 4G/GSM connectivity for the PGST alarm system, showing the control panel connecting to a router and a phone with a SIM card slot.

2. Component Installation

Door/Window Sensor

- Mount the main sensor unit on the door or window frame and the magnetic strip on the moving part (door/window) within 1 cm of the main unit when closed.
- Ensure the alignment marks on both parts face each other.
- Pair the sensor with the control panel as per the panel's instructions (usually by triggering the sensor while the panel is in pairing mode).



Image: Examples of door/window sensor installation on various entry points, including a door, window, and cabinet, demonstrating its versatility.

Motion Sensor (PIR)

- Install the motion sensor in a corner or on a wall, approximately 2-2.5 meters (6.5-8 feet) above the floor.
- Avoid pointing it directly at heat sources, windows, or areas with strong air currents.
- Ensure it has a clear line of sight to the area you wish to protect (typically 32ft/10m range and 110° field of view).
- Pair the sensor with the control panel.

Protect every part of your home

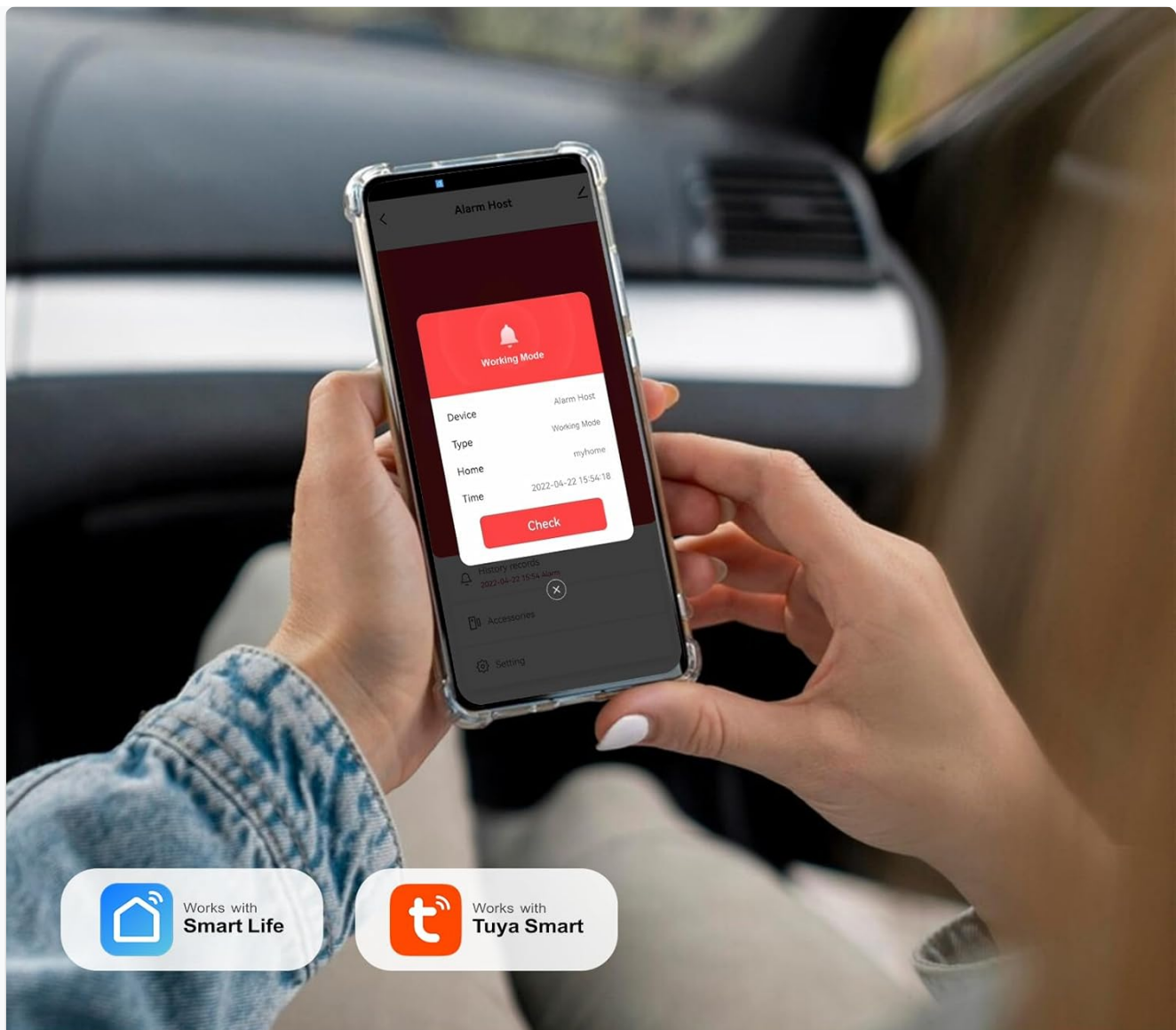
32ft (10m) range / 110° field of view



Image: A motion sensor mounted on a wall, illustrating its 32ft (10m) range and 110-degree field of view for detecting movement within a room.

3. App Integration (Smart Life / Tuya)

1. Download the "Smart Life" or "Tuya Smart" app from your smartphone's app store.
2. Register an account or log in.
3. Add Device: Follow the in-app instructions to add your PGST 103-A control panel. This typically involves selecting "Security & Sensor" category and then "Alarm (Wi-Fi)".
4. Once the control panel is added, all paired sensors will automatically appear in the app.



Instant Notifications

Image: A smartphone displaying an "Instant Notifications" screen from the Smart Life or Tuya Smart app, indicating an alarm event and showing compatibility logos for both apps.

OPERATING INSTRUCTIONS

Arming and Disarming the System

Your PGST 103-A system offers multiple ways to arm and disarm:

- **Control Panel:** Use the keypad on the control panel to enter your PIN and select the desired arming mode (Arm, Home Arm, Disarm).
- **Remote Control:** Press the corresponding button on the remote control for Arm, Disarm, or SOS.
- **Smartphone App:** Open the Smart Life or Tuya app, select your alarm system, and tap the Arm, Disarm, or Home Arm icons.
- **RFID Card:** Tap an authorized RFID card on the control panel's RFID reader to disarm the system.

Complete Control

One-touch operation of all accessories



Image: A central control panel surrounded by various accessories like door sensors, motion sensors, remote controls, and RFID tags, illustrating complete control over the system.

Arming Modes

- **Arm (Away Mode):** All sensors are active. Ideal when no one is home. Any triggered sensor will activate the alarm.
- **Home Arm (Stay Mode):** Typically activates perimeter sensors (door/window) while allowing free movement within the home (e.g., motion sensors are disarmed).
- **Disarm:** All sensors are inactive, and the alarm will not trigger.

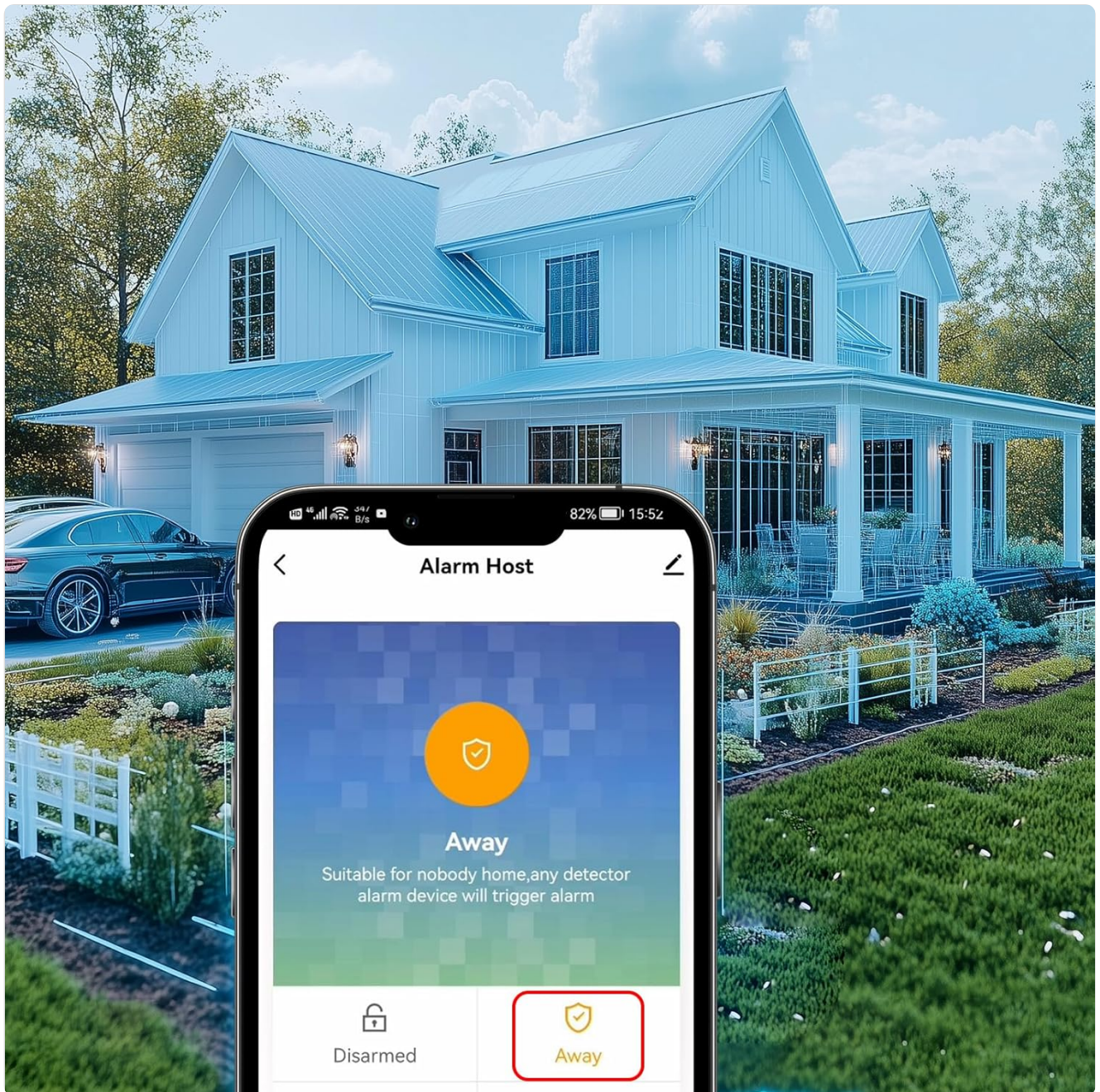


Image: A smartphone screen displaying the "Away" mode selection within the Smart Life app, with a description indicating that all detectors will trigger the alarm when no one is home.

Voice Control with Alexa

To enable voice control with Amazon Alexa:

1. Ensure your PGST system is connected to the Smart Life or Tuya app.
2. Open the Amazon Alexa app.
3. Go to "Skills & Games" and search for "Smart Life" or "Tuya Smart".
4. Enable the skill and link your Smart Life/Tuya account.
5. Discover devices. Your alarm system should now be controllable via Alexa.

Example Commands:

- "Alexa, arm my home."
- "Alexa, disarm my home." (You may need to set up a voice code in the Alexa app for disarming).

Voice control to free your hands



Image: Two children interacting with an Amazon Alexa device, demonstrating hands-free voice control for the PGST alarm system, with speech bubbles showing commands like "Alexa, Disarm my home!"

MAINTENANCE

Battery Replacement

The control panel has a built-in Lithium Polymer backup battery. Sensors are typically battery-powered. The app will notify you when sensor batteries are low. Refer to the individual sensor manuals for specific battery types and replacement instructions.

Cleaning

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

Regular Checks

- Periodically test your system by arming it and triggering a sensor to ensure the siren activates and you receive app notifications.
- Check the app regularly for system status and battery levels of connected sensors.

TROUBLESHOOTING

Problem	Possible Cause	Solution
System not connecting to WiFi.	Incorrect WiFi password; 5GHz network selected; weak signal.	Ensure correct 2.4GHz WiFi password. Move control panel closer to router. Restart router and control panel.
No 4G/GSM signal.	SIM card not inserted correctly; inactive SIM; no network coverage.	Reinsert SIM card. Verify SIM card is active and has credit. Check network coverage in your area.
Sensors not triggering alarm.	Sensor battery low/dead; sensor not paired; system disarmed.	Replace sensor battery. Re-pair sensor with control panel. Ensure system is armed.
No app notifications.	App permissions not granted; phone's notification settings disabled; poor internet connection.	Check app notification permissions. Ensure phone has stable internet. Verify system is connected to network.
Alexa voice control not working.	Smart Life/Tuya skill not enabled; account not linked; device not discovered.	Enable the correct skill in Alexa app. Link your Smart Life/Tuya account. Ask Alexa to discover devices.

SPECIFICATIONS

Model	PGST 103-A (PG103-US4G-A)
Brand	PGST
Connectivity	WiFi (2.4GHz), GSM/4G
Compatible Devices	Smartphone, Tablet, Amazon Alexa, Smart Life App, Tuya Smart App
Control Method	App, Voice, Remote Control, RFID Card, Control Panel Keypad
Power Source	Battery Powered (Lithium Polymer backup battery included)
Siren Volume	120dB
Motion Sensor Range	Up to 32ft (10m) with 110° field of view
Expandability	Supports over 99 additional sensors

Item Dimensions (Control Panel)	Approximately 1 x 1 x 1 inches (L x W x H)
Item Weight (Control Panel)	Approximately 1 pound

WARRANTY AND SUPPORT

PGST is committed to providing high-quality security solutions. Your PGST 103-A Smart Home Security System comes with:

- **Lifetime Technical Support:** Access to expert assistance for any technical queries or issues.
- **Quick Response:** Dedicated support available to address your concerns promptly.

For support, please refer to the contact information provided with your product packaging or visit the official PGST website.