

## PGST A109-US-B

# PGST 2026 Home Alarm System User Manual

Model: A109-US-B

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PGST 2026 Home Alarm System. This system offers comprehensive security with WiFi, GSM, and 4G connectivity, a 120dB siren, and real-time mobile application alerts. It is designed for easy installation and is suitable for various environments including apartments, offices, and for enhancing children's safety.

The system supports multiple communication methods, ensuring reliable home protection. Key features include strong expandability for additional sensors, a high-decibel alarm with simultaneous app alerts, low battery notifications, and a multi-functional host supporting 10 languages, emergency calls, and doorbell functions. Control options include the Tuya APP, Alexa Voice Control, host operation, and remote control.



Image 1.1: Overview of the PGST 2026 Home Alarm System components.

Video 1.1: Product Unboxing and Introduction. This video provides an initial overview of the system and its components.

## 2. SETUP

### 2.1 Main Unit Introduction

The main unit features a 4.3-inch IPS display screen for clear visuals and an RFID sensing area for convenient arming/disarming with RFID tags. The power button is located on the side of the unit.

Video 2.1: Product Features Overview. This video highlights the main features of the alarm system.

Video 2.2: Host Introduction. This video demonstrates the physical aspects and basic operation interface of the main unit.

### 2.2 SIM Card Installation

The system supports 2G and 4G SIM cards for cellular communication. 3G and 5G SIM cards are not compatible. Ensure the SIM card is correctly inserted into the designated slot on the main unit.

Video 2.3: How to insert the SIM card. This video guides you through the process of inserting a compatible SIM card into the main unit.

## 2.3 Wi-Fi Connection

The system connects to Wi-Fi for app control and alerts. Only 2.4GHz Wi-Fi networks are supported; 5GHz networks are not compatible. Follow the on-screen instructions on the main unit or use the mobile app to connect to your home Wi-Fi network.

Video 2.4: How to connect to Wi-Fi. This video demonstrates the steps to connect your alarm system to a 2.4GHz Wi-Fi network.

## 2.4 Accessory Pairing

The system allows for additional sensors to be added for comprehensive coverage. This includes door/window sensors and motion detectors. Follow the pairing instructions on the main unit to link new accessories.



Image 2.2: Illustration of the alarm system's signal range and sensor placement.

Video 2.5: How to pair accessories with the main unit. This video demonstrates the process of pairing sensors like infrared detectors with the alarm system.

## 2.5 Language and Time Setup

The host supports 10 international languages. You can set the system language and configure the date and time through the main unit's menu. Accurate time settings are crucial for scheduled arming/disarming functions.

Video 2.6: How to set up language and time. This video guides you through adjusting the system's language, date, and time settings.

## 2.6 Keypad Password Setup

Configure a keypad password for secure access and operation of the main unit. This adds an extra layer of security to prevent unauthorized use.

## 3. OPERATING INSTRUCTIONS

### 3.1 Arming and Disarming

The PGST 2026 Home Alarm System offers multiple methods for arming and disarming:

- **Tuya APP:** Control the system remotely from your smartphone.
- **Alexa Voice Control:** Use voice commands with compatible Alexa devices.
- **Host Operation:** Directly use the keypad and touch screen on the main unit.
- **Remote Control:** Use the provided remote controls for quick arm/disarm actions.



Image 3.1: Smart Alexa voice control for convenient system management.

### 3.2 Real-Time Alerts and Siren

Upon detection of an intrusion or triggered sensor, the system activates a 120dB siren to deter unauthorized individuals. Simultaneously, real-time alerts are sent to your mobile app, providing immediate notification of the event.



Image 3.2: Motion sensor in action, triggering an alarm.

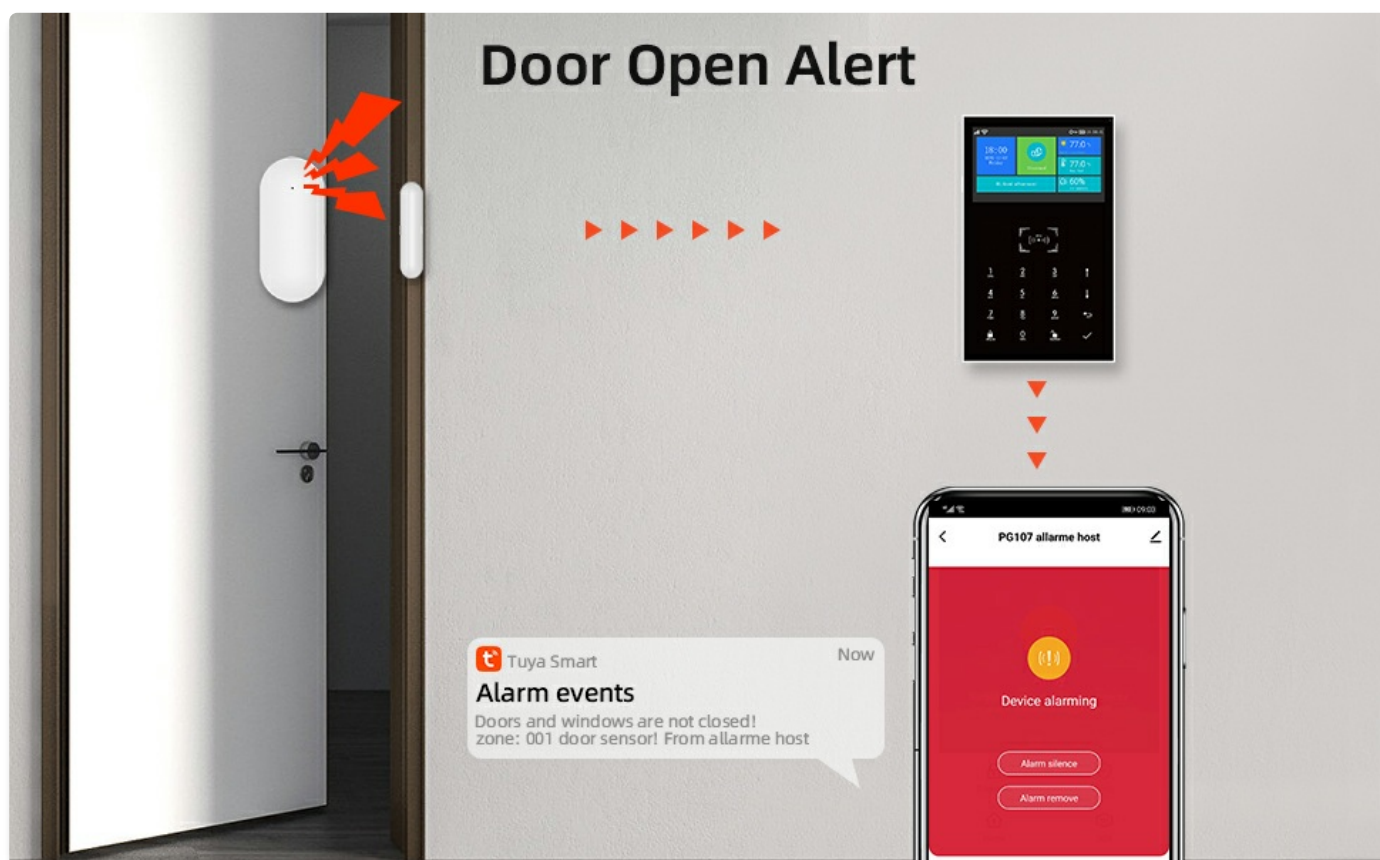


Image 3.3: Door open alert notification on the app and main unit.

### 3.3 Automatic Call and SMS Alerts

The system can automatically call and send SMS alerts to up to 5 pre-registered contacts sequentially when an alarm is

triggered. This ensures that designated individuals are promptly informed of security events.

## Low Battery Alarm

When any sensor has low battery, the app will automatically send an alert.

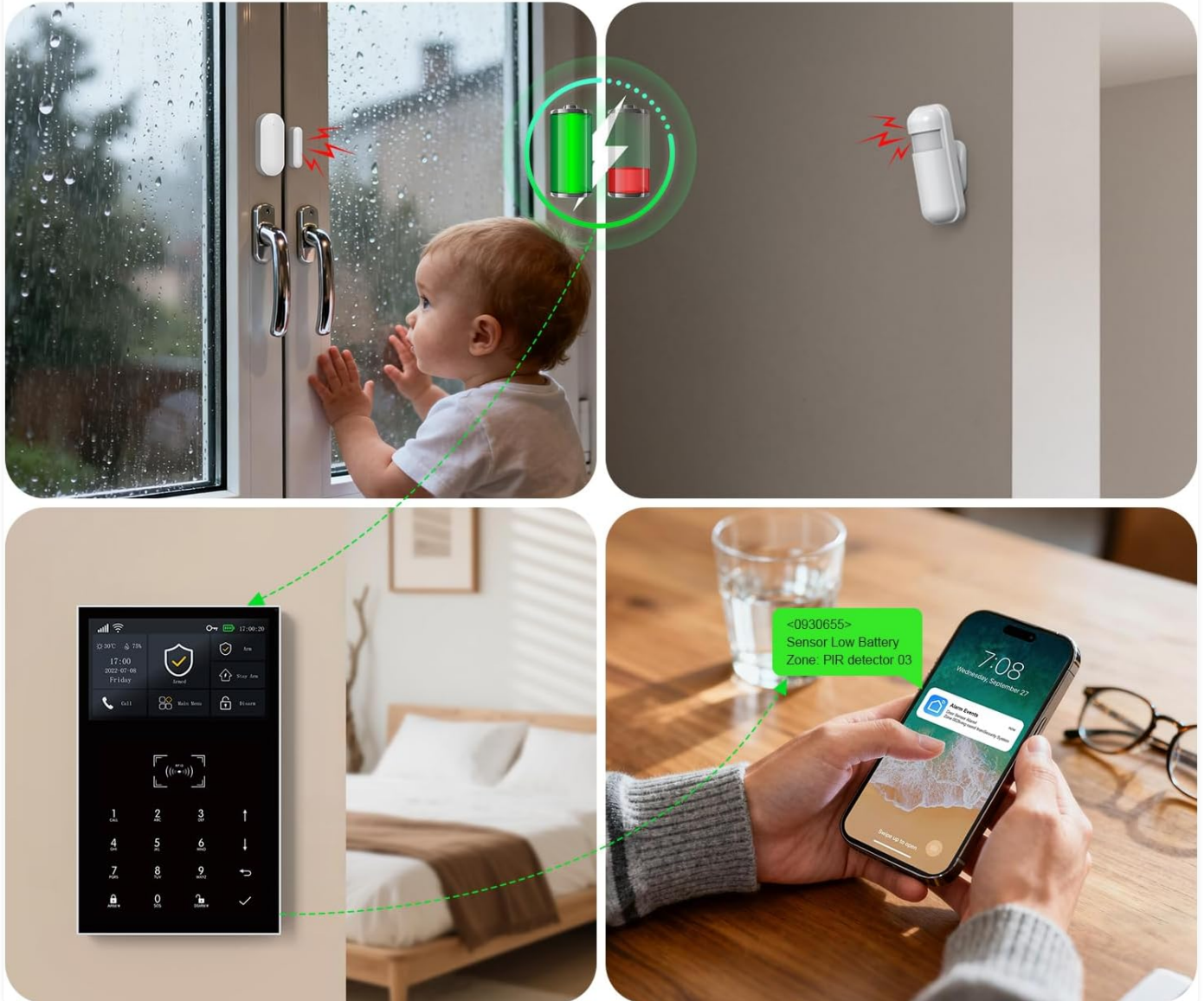


Image 3.4: Automatic call and SMS alert function to pre-registered numbers.

### 3.4 Scheduled Arming/Disarming

You can program the system to arm and disarm automatically at specific times, optimizing security routines and saving manual effort. This feature is useful for daily schedules, such as arming when leaving for work and disarming upon return.

## Arm And Disarm Regularly, Saving Time And Effort

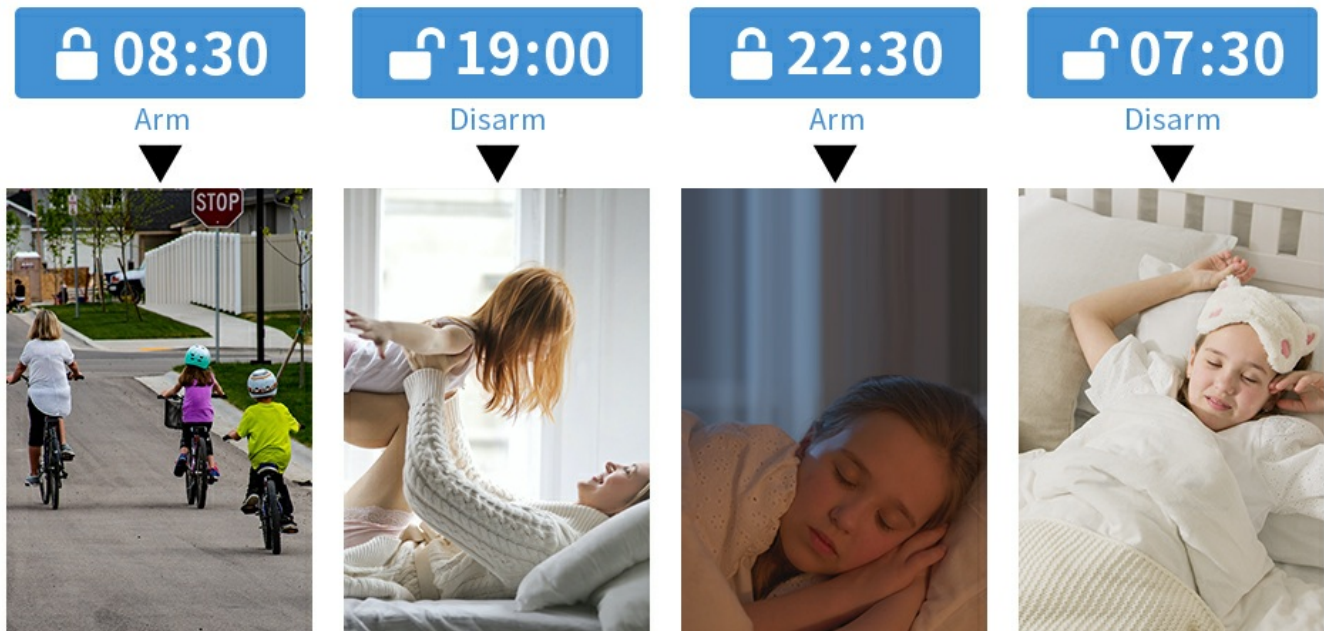


Image 3.5: Scheduled arming and disarming for time and effort saving.

### 3.5 Smart Home Integration

The PGST 2026 system is compatible with Tuya devices, allowing integration with other smart home products such as cameras and smart switches. This enables a more connected and automated security environment.

## 4. MAINTENANCE

### 4.1 Battery Management

The system includes a low battery alarm feature. When the battery level of the main unit or any connected sensor accessories is low, an alarm will be automatically triggered, and an alert will be sent to your mobile app. This allows for timely recharging or replacement of batteries to ensure continuous operation.



1x Security Host



2x Motion detector



2x Remote Control



1x Security Host



2x Door & Window  
Sensor Alarm



2x RIFE Key

Image 4.1: Low battery alarm notification on the app.

Regularly check the battery status of all components through the main unit or the mobile app to prevent unexpected power loss.

## 5. TROUBLESHOOTING

If you encounter issues with your PGST 2026 Home Alarm System, refer to the following common troubleshooting steps:

- **No Wi-Fi Connection:** Ensure your Wi-Fi network is 2.4GHz. The system does not support 5GHz networks. Verify your Wi-Fi password and signal strength.
- **Sensors Not Triggering:** Check if the sensors are properly paired with the main unit (refer to Section 2.4). Ensure sensors are within range and their batteries are not low.

- **No App Alerts:** Verify that the main unit is connected to Wi-Fi and has a stable internet connection. Check your mobile app notification settings and ensure the app has necessary permissions on your phone.
- **Siren Not Sounding:** Ensure the siren is properly connected and powered. Check the system's volume settings.
- **SIM Card Issues:** Confirm that the inserted SIM card is 2G or 4G compatible and has an active plan. Reinsert the SIM card to ensure proper contact.
- **Keypad Unresponsive:** Check if the keypad lock is enabled (refer to Section 2.6). Restart the main unit if necessary.

For persistent issues, please contact PGST customer support.

## 6. SPECIFICATIONS

| Feature                     | Specification                                            |
|-----------------------------|----------------------------------------------------------|
| Brand                       | PGST                                                     |
| Model Number                | A109-US-B                                                |
| Power Source                | Battery Powered                                          |
| Connectivity Technology     | WiFi (2.4GHz only), GSM, 4G                              |
| Compatible Devices          | Tuya devices                                             |
| Alert Type                  | Audible (120dB) and Visual, APP Alerts                   |
| Control Method              | App, Alexa Voice Control, Host Operation, Remote Control |
| Maximum Range               | 100 Meters                                               |
| Sensor Technology           | PIR Motion Detection                                     |
| Installation Method         | Wireless                                                 |
| Item Dimensions (L x W x H) | 1 x 1 x 1 inches                                         |
| Item Weight                 | 8 ounces                                                 |
| Unit Count                  | 10.0 Count (for this variant)                            |
| Battery Cell Type           | Alkaline                                                 |

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official PGST website. You may also contact PGST customer service directly for assistance with product setup, operation, or troubleshooting.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question