PGST PG103-C+T53

PGST PG103-C+T53 Home Security Alarm System User Manual

Model: PG103-C+T53

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PGST PG103-C+T53 Home Security Alarm System. Please read this manual thoroughly before using the system to ensure proper functionality and safety.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x PGST Control Panel (Alarm Host)
- 2 x Motion Sensors
- 4 x Door/Window Sensors
- 2 x RFID Cards
- 2 x Remote Controls
- 1 x Security Camera
- 1 x 64GB SD Card
- 1 x Power Adapter for Control Panel
- 1 x User Manual (this document)

Image 2.1: All components included in the PGST PG103-C+T53 Home Security Alarm System kit.

3. SETUP AND INSTALLATION

3.1. Control Panel Installation

1. **Power Connection:** Connect the control panel to a power outlet using the provided power adapter. The panel includes a backup lithium-ion battery.

2. **Initial Power On:** The panel will power on automatically. Follow the on-screen prompts for initial setup.

3. **Placement:** Install the control panel in a central location within your home, away from direct sunlight and moisture, and within Wi-Fi range.
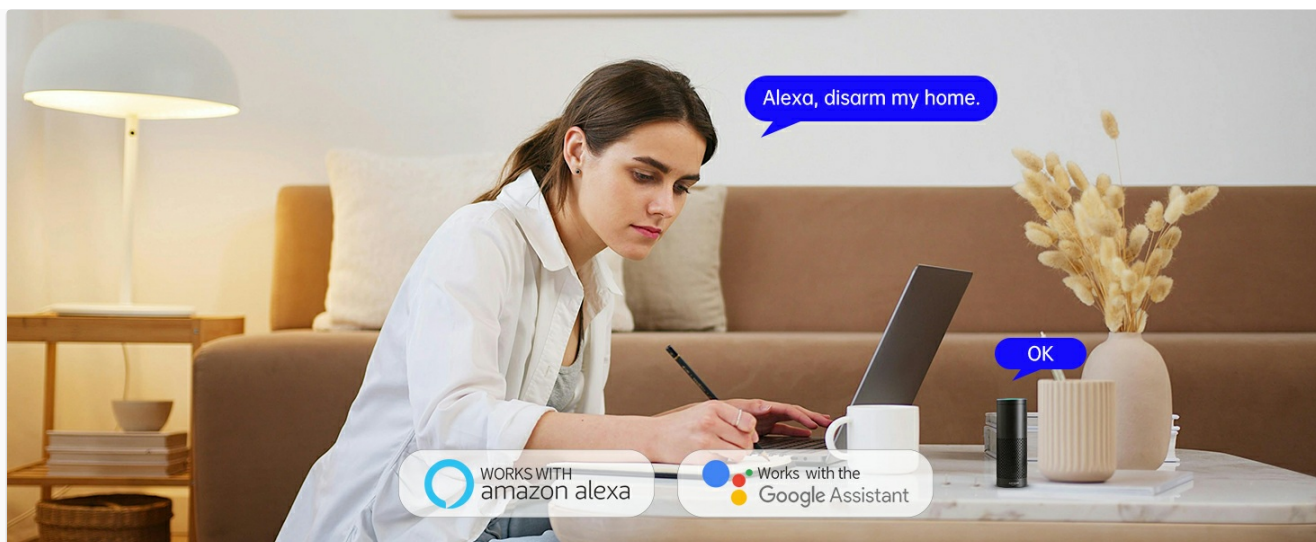
Image 3.1: Example placement of the PGST Control Panel.

3.2. App Integration (Smart Life / Tuya Smart)

1. **Download App:** Download the "Smart Life" or "Tuya Smart" app from your mobile device's app store.
2. **Account Creation:** Register for a new account or log in if you already have one.
3. **Add Device:** In the app, tap "+" to add a new device. Select "Security & Video Surveillance" then "Alarm (Wi-Fi)".
4. **Connect to Wi-Fi:** Follow the in-app instructions to connect the control panel to your 2.4GHz Wi-Fi network. (5GHz Wi-Fi is not supported).

Image 3.2: The Smart Life app interface for managing your security system.

3.3. Sensor Installation and Pairing

All sensors are pre-paired with the control panel. If re-pairing is needed, refer to the control panel's on-screen menu or app instructions.

3.3.1. Motion Sensors

- **Placement:** Install motion sensors in corners of rooms, hallways, or areas where intruders would likely pass. Mount them at a height of 6-8 feet (1.8-2.4 meters) for optimal detection.
- **Avoid:** Do not place near heat sources, direct sunlight, or areas with significant air drafts.
- **Detection Range:** Each motion sensor has a detection range of approximately 32 feet (10 meters) and a 110° field of view.

Image 3.3: Motion sensor detection range and field of view.

3.3.2. Door/Window Sensors

- **Installation:** Mount the main sensor unit on the door or window frame and the smaller magnet unit on the moving part (door or window). Ensure the two parts are aligned and within 0.5 inches (1.2 cm) of each other when the door/window is closed.
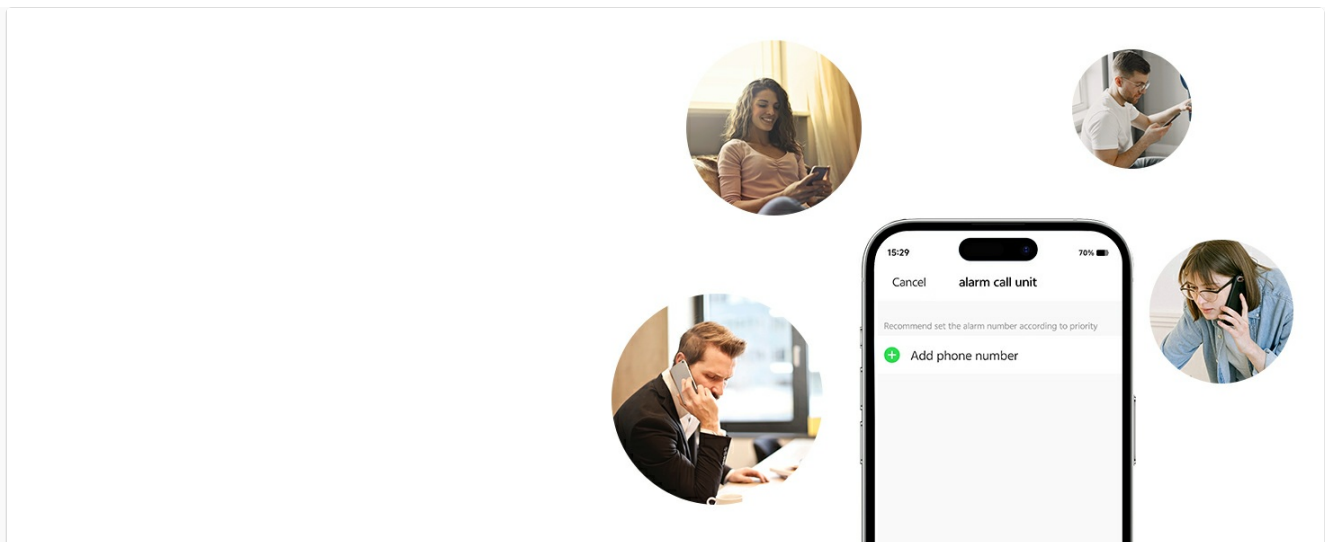- **Secure Attachment:** Use the provided adhesive pads or screws for secure installation.

Image 3.4: Examples of door/window sensor installation.

3.4. Remote Controls and RFID Cards

- **Remote Controls:** Use the remote controls to arm, disarm, or trigger an emergency alarm. Buttons are typically labeled for these functions.

- **RFID Cards:** Tap an RFID card on the designated area of the control panel to quickly arm or disarm the system.

Image 3.5: Using an RFID card for quick system control.

3.5. Security Camera Setup

Refer to the separate manual provided with the security camera for detailed setup instructions. Once configured, the camera can often be integrated and viewed through the Smart Life/Tuya Smart app.

3.6. 4G SIM Card Installation (Optional)

For SMS and phone call alerts, insert a 2G/3G/4G SIM card into the designated slot on the control panel. Ensure the SIM card is active and has sufficient credit/data. Note that telephone and SMS services may incur additional fees from your mobile carrier.

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 3.6: Connectivity options: Wi-Fi for app alerts and 4G/GSM for calls/SMS (SIM card not included).

4. OPERATION

4.1. Arming and Disarming the System

- **Arm (Away Mode):** Activates all sensors. Use when leaving the property. Can be done via control panel, remote, RFID card, or app.
- **Disarm:** Deactivates all sensors. Use when returning home. Can be done via control panel, remote, RFID card, or app.
- **Home Mode (Stay Arm):** Activates perimeter sensors (e.g., door/window sensors) while allowing free movement inside. Check app settings for configuration.

Image 4.1: Example of scheduled arming and disarming for daily routines.

4.2. Alerts and Notifications

- **Siren:** If a sensor is triggered while armed, the 120dB siren will activate to deter intruders.
- **App Notifications:** Receive real-time alerts on your smartphone via the Smart Life/Tuya Smart app.
- **Phone Calls/SMS:** If a SIM card is installed and configured, the system can send SMS messages and make calls to pre-set emergency contacts.
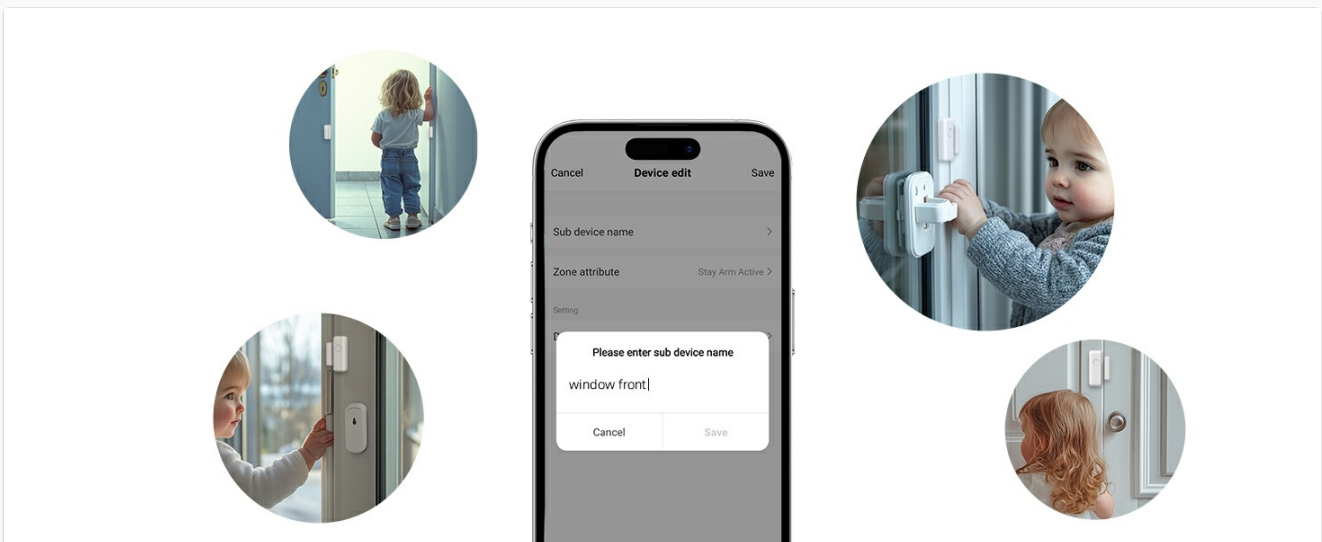

Image 4.2: Example of real-time alarm notifications on a smartphone.

4.3. Voice Control with Alexa

To enable voice control, link your Smart Life/Tuya Smart account with Amazon Alexa. Once linked, you can use voice commands such as "Alexa, arm my home" or "Alexa, disarm my home" (a PIN may be required for disarming).

Image 4.3: Integrating the alarm system with Amazon Alexa for voice control.

4.4. Anti-Tamper Function

The control panel features a physical anti-tamper mechanism. Any forced removal or tampering with the panel will trigger an immediate alarm. The alarm can only be stopped by entering the correct password on the panel.

4.5. Expanding Your System

The PGST system supports up to 99 additional sensors. To add new sensors, refer to the "Add Device" section in the Smart Life/Tuya Smart app or the control panel's settings menu.

5. MAINTENANCE

5.1. Battery Replacement

- **Control Panel:** The control panel has a built-in rechargeable lithium-ion battery for backup power. It charges automatically when connected to AC power.
- **Sensors:** Motion sensors and door/window sensors are battery-powered. The app or control panel will indicate low battery status. Replace batteries with the specified type (usually CR2032 or AAA, check individual sensor labels).
- **Remote Controls:** Remote controls use button cell batteries. Replace when functionality decreases.

5.2. Cleaning

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

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
System not connecting to Wi-Fi	Incorrect Wi-Fi password; 5GHz network; weak signal.	Ensure correct 2.4GHz Wi-Fi password. Move panel closer to router. Restart router and panel.

Problem	Possible Cause	Solution
Sensors not triggering alarm	Low battery; sensor out of range; sensor not properly paired; system disarmed.	Check sensor batteries. Ensure system is armed. Re-pair sensor if necessary. Check sensor placement.
No app notifications	App permissions not granted; phone's notification settings disabled; poor internet connection.	Check app notification permissions. Ensure stable internet connection on phone and panel.
SIM card not working for calls/SMS	SIM not active; incorrect APN settings; insufficient credit; 5G SIM.	Verify SIM card is active and has credit. Ensure it's a 2G/3G/4G compatible SIM. Check APN settings in panel menu.
False alarms	Improper sensor placement; pets; environmental factors (e.g., strong drafts).	Adjust motion sensor sensitivity. Reposition sensors away from pets or drafts. Ensure door/window sensors are securely mounted.

7. SPECIFICATIONS

Feature	Detail
Model Number	PG103-US-4G-C+T53-64G
Brand	PGST
Connectivity Technology	2.4GHz Wi-Fi, 2G/3G/4G GSM (SIM card not included)
Power Source	Battery Powered (Control Panel: 1 Lithium Ion battery included for backup)
Control Panel Dimensions (L x W x H)	Approximately 8 x 3 x 3 inches
Control Panel Weight	Approximately 3.2 ounces
Siren Output	120dB
Max Sensors Supported	99+
Motion Sensor Range	32 feet (10 meters)
Motion Sensor Field of View	110°
App Compatibility	Smart Life, Tuya Smart
Voice Assistant Compatibility	Amazon Alexa, Google Assistant

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact PGST customer service directly. Contact details can typically be found on the manufacturer's website or product packaging.
Online resources and FAQs may also be available through the Smart Life or Tuya Smart app support sections.

Related Documents - PG103-C+T53

	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-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.
	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 WIFI Door Window Sensor User Manual User manual for the PGST WIFI Door Window Sensor, detailing its functions, operation, installation, and specifications. Includes FCC compliance information.
	**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.