

PGST PG519-CW

PGST PG519-CW WiFi Wireless Home Alarm System User Manual

Model: PG519-CW

1. INTRODUCTION

The PGST PG519-CW WiFi Wireless Home Alarm System is designed to provide reliable security for your home, apartment, garage, or office. This system operates wirelessly and connects to your home WiFi network, allowing remote control and monitoring via a smartphone application. It integrates with smart home platforms like Amazon Alexa and Google Assistant for enhanced convenience.

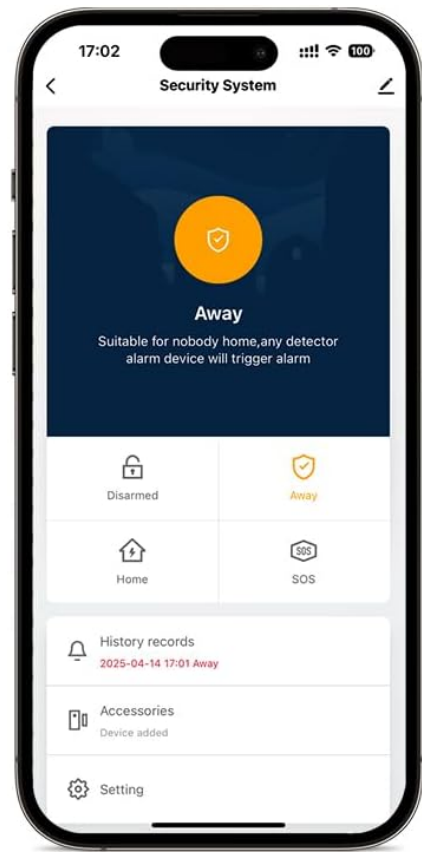


Image 1.1: PGST PG519-CW WiFi Wireless Home Alarm System components.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Audible and Visual Alarm (Main Unit/Siren)
- 1 x Motion Detector (PIR Sensor)
- 1 x Door/Window Sensor
- 2 x Remote Controls
- 1 x Screw Package (for mounting)

- 1 x Charger Set (Power Adapter and USB-C Cable)
- 1 x Instruction Manual

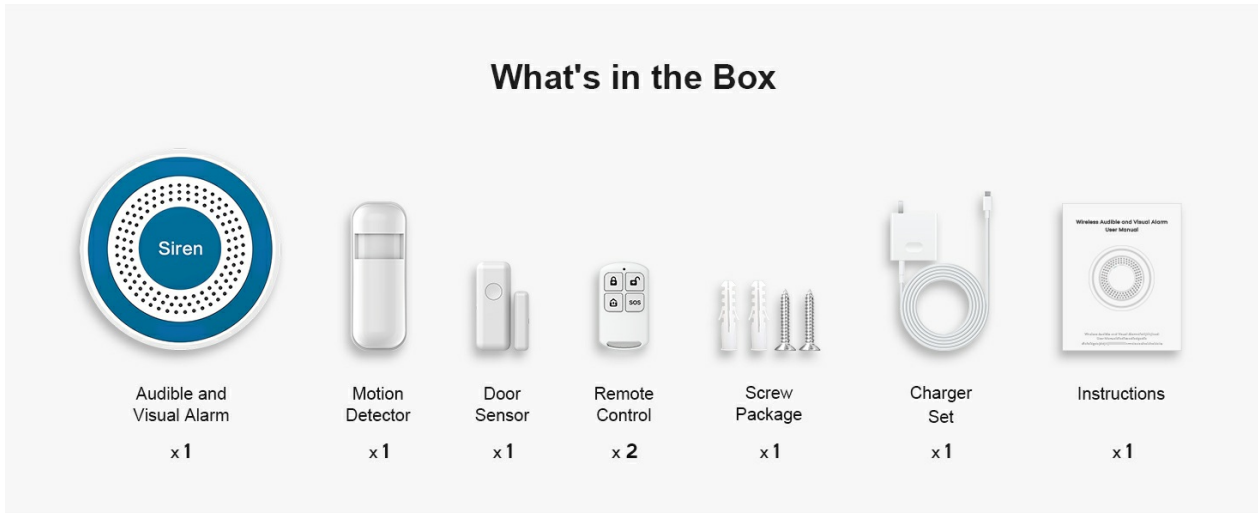


Image 2.1: Contents of the PGST PG519-CW alarm system package.

3. PRODUCT OVERVIEW

3.1 Main Alarm Unit (Siren)

The main unit serves as the central hub for your alarm system. It features an audible siren and visual alerts. It is powered via a Type-C cable and includes a backup battery for continued operation during power outages.

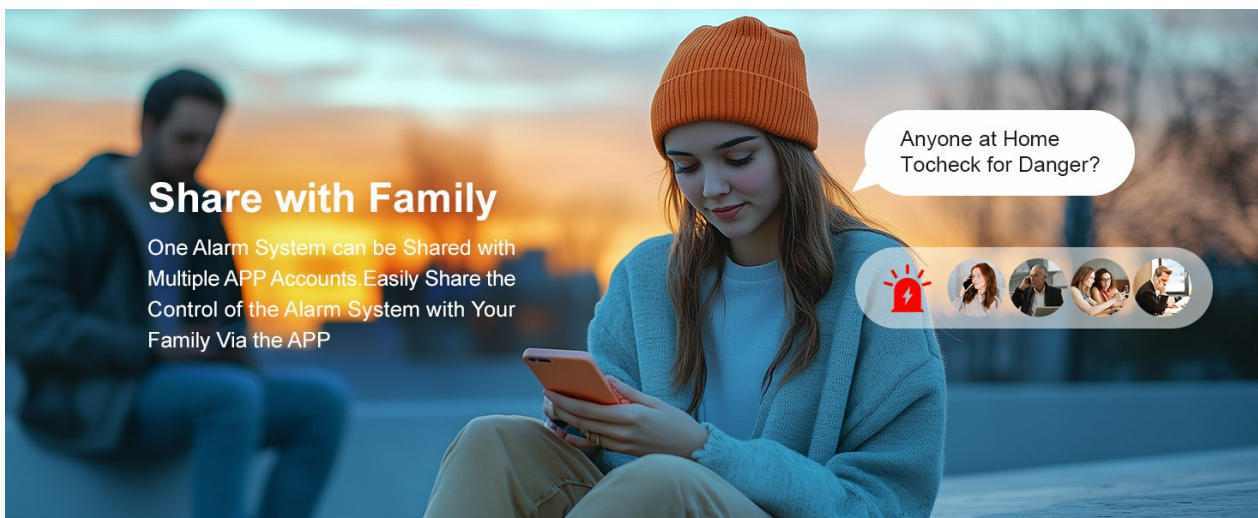


Image 3.1: Main Alarm Unit (Siren) with Type-C power input and internal battery.

3.2 Motion Detector (PIR Sensor)

This sensor detects movement within its range, triggering an alarm when the system is armed. It is designed for indoor use.



Image 3.2: Motion Detector (PIR Sensor).

3.3 Door/Window Sensor

This two-part sensor detects the opening and closing of doors or windows. When separated, it triggers an alarm if the system is armed.



Image 3.3: Door/Window Sensor.

3.4 Remote Controls

The remote controls allow for convenient arming, disarming, and SOS functions from a distance.

4. SETUP AND INSTALLATION

4.1 Powering the Main Unit

1. Connect the provided USB-C cable to the main alarm unit and the power adapter.
2. Plug the power adapter into a standard electrical outlet.
3. Ensure the main unit powers on. The backup battery will charge automatically.

4.2 App Download and Registration

The system works with the "Tuya" or "Smart Life" applications. Download one of these apps from your smartphone's app store.

1. Download and install the "Tuya" or "Smart Life" app.

2. Register for a new account or log in if you already have one.

4.3 Connecting to Mobile App (WiFi)

The alarm system connects via 2.4GHz WiFi. Ensure your phone is connected to a 2.4GHz WiFi network during the setup process.

1. Connect your phone to a 2.4GHz WiFi network and turn on Bluetooth.
2. Open the app, press and hold the SOS button on the main alarm unit for 10 seconds until the green LED flashes quickly. In the app, select "Add to Favorite" or similar option to add a device.
3. Search for the device in the app and select "Alarm (WiFi)".
4. Input your 2.4GHz WiFi password and proceed.
5. Wait for the connection to be successful, then tap "Done".
6. Press the SOS button on the main unit to receive an alarm push notification, confirming successful connection.

Easy to Connect



1. Register



2. Switch WiFi to 2.4GHz and Choose "Alarm" (WiFi)



3. Long Press "Setting" Button Until it Beeps One Time



4. Connecting Device

Image 4.1: Simplified steps for connecting the alarm system to the mobile app.

Complete Coverage

With a Transmission Range of 100m, This Base Station Provides Reliable Connections to All Devices.

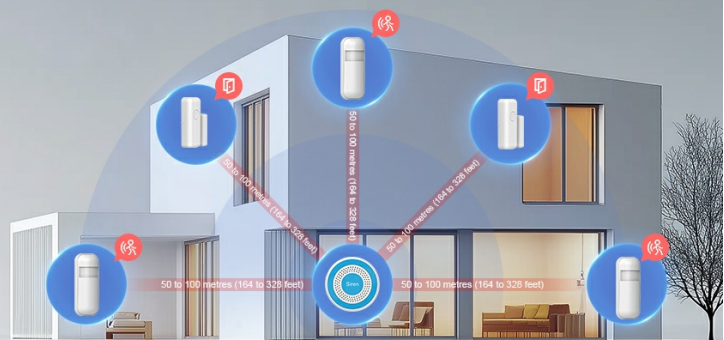


Image 4.2: Detailed steps for mobile app connection.

4.4 Alarm Host Installation

The main alarm unit can be mounted on a wall using the provided screws.

1. Fix and screw the mounting base to the desired wall location.
2. Align the alarm unit with the base and rotate it clockwise to secure.
3. Ensure it is fixed properly and stable.



Image 4.3: Steps for convenient alarm host installation.

4.5 Sensor Installation

Place sensors strategically to cover entry points and critical areas. The system offers a transmission range of up to 100 meters (328 feet).

- **Door/Window Sensors:** Mount the two parts of the sensor on the door/window frame and the moving part, ensuring they are aligned and within 0.7 inches (1.8 cm) of each other when closed. Use the adhesive backing for easy installation.
- **Motion Detectors:** Install motion detectors in corners or areas with clear lines of sight to cover rooms. Ensure they are placed at an appropriate height to detect movement effectively.

Type-C Cable with Battery

In the Event of a Power Failure or no Wi-Fi, or Without App Notifications, You Will Only Receive a 100dB Alarm.



Image 4.4: Example of complete coverage with sensors.

5. OPERATION

5.1 Arming and Disarming

You can arm or disarm the system using the mobile app or the remote controls.

- **Arm (Away Mode):** Activates all sensors. Any detected intrusion will trigger the alarm.
- **Disarm:** Deactivates the alarm system.
- **Home (Stay Mode):** Activates perimeter sensors (e.g., door/window sensors) while allowing free movement inside the property.

5.2 Intrusion Detection

When an intrusion is detected while armed, the system will:

- Emit a loud siren sound (over 100dB).
- Send real-time notifications to your smartphone via the app.
- Potentially make a call or send an SMS to pre-set phone numbers (check app settings for this feature).

Detect and Scare off Intruders

Instant Notification When a Door or Window is Opened or Closed



Image 5.1: Intrusion detection with door sensor and siren activation.

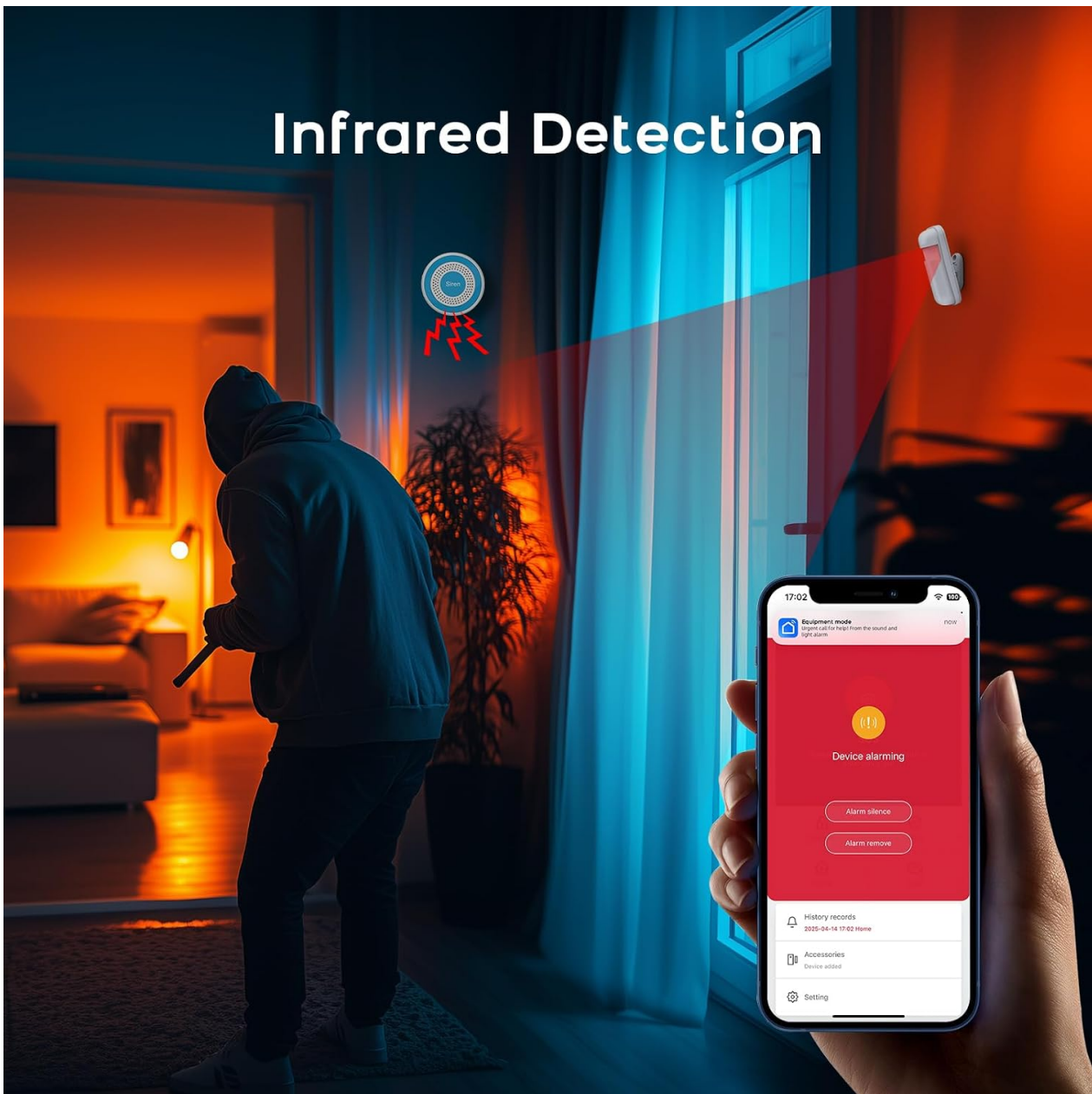


Image 5.2: Infrared motion detection triggering an alarm notification.

5.3 SOS Function

In case of emergency, press the SOS button on the remote control or within the app to trigger an immediate alarm and send alerts to designated contacts.

Elderly Protection



Image 5.3: Elderly protection and SOS remote functionality.

6. ADVANCED FEATURES

6.1 Timing Arm and Disarm

You can schedule specific times for the system to automatically arm or disarm, eliminating the need for manual operation daily.

Timing Arm and Disarm

Save Time and Avoid Repeated Setting Everyday



07:00

Disarm 

Disarm Automatically When Getting Up.



08:00

Arm 

Arm Automatically When Going Out.



18:00

Disarm 

Automatically Disarm When Returning Home



22:00

Arm 

Automatically Arm When Going To Bed at Night

Image 6.1: Examples of timing arm and disarm schedules.



Real Time Alerts

Get Instant Notifications and Manage Everything Easily with Smart Life/Tuya app

Image 6.2: Setting up a schedule for arming and disarming via the app.

6.2 Multi-Modes for Sensors

Configure different modes for individual sensors. For example, in "Home" mode, you can set certain sensors

(like door sensors) to be active while others (like motion sensors in frequently used areas) are disarmed.

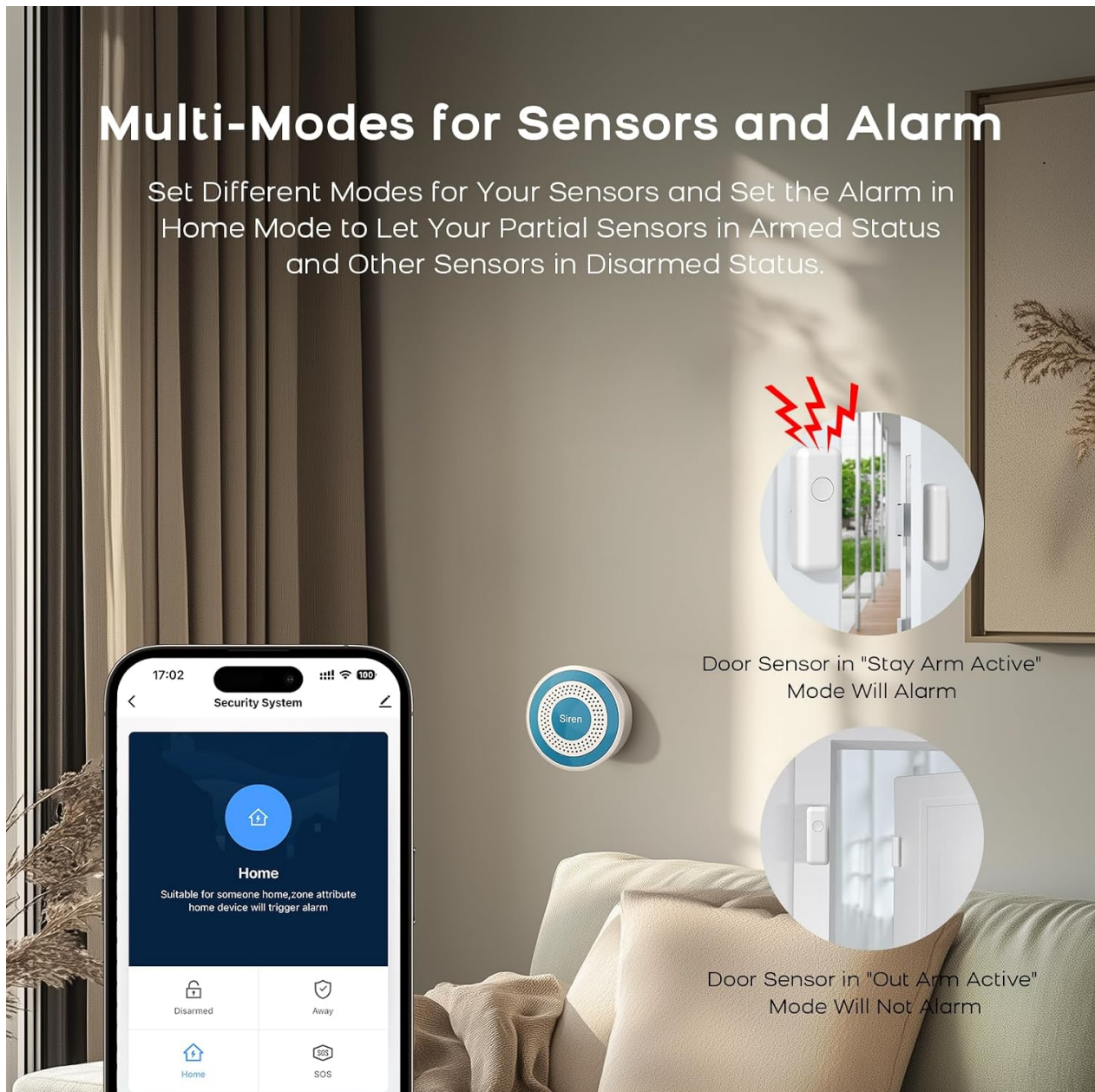


Image 6.3: Multi-modes for sensors and alarm settings.

6.3 Smart Home Integration

The system works with Amazon Alexa and Google Assistant. You can use voice commands to arm or disarm your system.

Support 2.4GHz WiFi

Control your alarm system anywhere, anytime



Image 6.4: Compatibility with Alexa and Google Assistant.

6.4 Real-Time Alerts and Family Sharing

Receive instant notifications on your smartphone. You can also share control of the alarm system with multiple family members via the app.



Image 6.5: Real-time alerts on the mobile app.



Image 6.6: Sharing alarm system control with family members.

7. MAINTENANCE

- **Cleaning:** Wipe the devices with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Battery:** The main unit has a backup battery. Ensure it remains connected to power for optimal performance and to keep the backup battery charged. Sensors are typically battery-powered; replace batteries as indicated by the app or device indicators.
- **Connectivity:** Periodically check your WiFi connection to ensure the alarm system remains online and responsive.

8. TROUBLESHOOTING

- **System not connecting to WiFi:** Ensure your router is broadcasting a 2.4GHz network. The system does not support 5GHz WiFi. Check WiFi password and signal strength.
- **No app notifications:** Verify that app notifications are enabled in your smartphone settings and within the alarm app itself. Check internet connectivity.
- **False alarms:** Ensure motion sensors are not placed near heat sources, direct sunlight, or areas with pets that might trigger them. Check door/window sensors for proper alignment and secure mounting.
- **Remote control not working:** Check the battery in the remote control. Ensure you are within the operational range of the main unit.
- **Siren not sounding:** Check if the main unit is powered on and connected. Verify alarm settings in the app.

9. SPECIFICATIONS

Feature	Specification
Brand	PGST
Model Number	PG519-CW
Item Dimensions (LxWxH)	16 x 10 x 6 cm

Alarm Type	Audio and Motion
Battery Composition	Lithium Ion
Connectivity	2.4GHz WiFi
App Compatibility	Tuya, Smart Life
Smart Home Integration	Amazon Alexa, Google Assistant

10. SAFETY INFORMATION

- Do not expose the devices to extreme temperatures, direct sunlight, or moisture.
- Keep devices away from children and pets.
- Use only the provided power adapter and cables.
- Do not attempt to disassemble or repair the devices yourself. Contact customer support for assistance.
- Ensure proper ventilation for the main unit.

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official PGST website. Specific warranty terms and support contact details are not provided in this manual.