

Sonew GL09

Sonew GL09 GSM Alarm System Instruction Manual

Model: GL09 | Brand: Sonew

1. INTRODUCTION

The Sonew GL09 GSM Alarm System is an 8-channel wireless security device designed for remote monitoring and protection of various locations such as homes, warehouses, and remote sites. It utilizes GSM technology to send SMS alerts to pre-configured mobile numbers upon detecting an event. Its battery-operated design includes a low power alert feature, ensuring continuous protection even during power interruptions.

2. PRODUCT FEATURES

- **Advanced GSM Technology:** The GL09 system incorporates cutting-edge GSM technology for reliable security. It is battery-operated and provides a low power alert to maintain protection during power outages.
- **Customizable SMS Alerts:** Each SMS alert can be personalized with specific content for different scenarios. The system supports up to 6 preset mobile numbers for timely emergency notifications.
- **Flexible 8-Channel Input:** This system offers 8 alarm inputs configurable to either Normally Closed (NC) or Normally Open (NO) modes, allowing adaptation to diverse security requirements in various environments.
- **Durable and Compact Design:** Constructed from robust ABS plastic, the GL09 is built for longevity. Its compact size (66mm x 62mm x 22mm) and lightweight nature facilitate easy installation without requiring significant space.
- **Versatile Security Solution:** Ideal for residential, warehouse, and remote site protection, the GL09 Alarm System provides comprehensive monitoring for peace of mind.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- GL09 Alarm Unit
- GSM Antenna
- Connection Cables



Image: The GL09 alarm unit, its antenna, and connecting cables, as typically included in the package.

4. SETUP INSTRUCTIONS

4.1. SIM Card Installation

1. Ensure the GL09 unit is powered off.
2. Locate the SIM card slot on the unit.
3. Insert a 2G GSM SIM card into the slot. Ensure the SIM card is active and has sufficient credit for SMS messages. **Note: This device operates on 2G GSM networks. It is not compatible with 4G networks, and 2G networks may not be supported in all regions, such as the USA.**
4. Secure the SIM card if necessary.

4.2. Antenna Connection

1. Connect the provided GSM antenna to the "ANT" port on the GL09 unit.
2. Position the antenna for optimal signal reception.



Image: The GL09 alarm unit with its antenna connected, showing the SIM card slot and input ports.

4.3. Power Connection

1. Connect the power supply (DC 5-15V) to the designated power input terminals on the GL09 unit.
2. The unit is designed to be battery-powered and will provide a low battery voltage status report.



Image: A close-up view of the green terminal block on the GL09 unit, used for power input and connecting external sensors.

4.4. Connecting Sensors (Alarm Inputs)

1. The GL09 has 8 alarm inputs. Connect your external sensors (e.g., motion detectors, door/window contacts, smoke detectors) to these input terminals.
2. Each input can be configured as Normally Closed (NC) or Normally Open (NO) mode using the DIP switches or via SMS commands (refer to the detailed manual for specific commands).



Image: A diagram illustrating the GL09 alarm unit connected to various sensors such as a temperature sensor, water leak sensor, motion detector, smoke detector, and door sensor. A smartphone displays an "SOS, warehouse alarm happen" message, demonstrating the alert function.



Image: A close-up of the red DIP switches on the GL09 unit, used to configure the alarm input modes (NC or NO).

4.5. Initial Configuration (SMS Numbers)

After installing the SIM card and connecting power, you will need to configure the alarm system by sending SMS commands from a registered mobile number. Refer to the detailed English manual for the specific SMS commands to:

- Add up to 6 recipient mobile numbers for alarm alerts.
- Customize the content of the SMS alerts.
- Set the input modes (NC/NO) for each of the 8 channels if not using DIP switches.

5. OPERATING INSTRUCTIONS

5.1. Arming and Disarming

The GL09 system is typically armed and disarmed via SMS commands sent from a pre-registered mobile number. Consult the full manual for the specific commands required to activate or deactivate the alarm monitoring.

5.2. Receiving Alarm Alerts

When an alarm input is triggered (e.g., a sensor detects an event), the GL09 unit will send a customized SMS alert to all configured mobile numbers. The content of these messages can be set during the initial configuration.

5.3. Low Power Alert

The system monitors its battery voltage and will send an SMS alert when the battery level is low, prompting you to replace or recharge the power source to ensure continuous operation.

6. MAINTENANCE

- **Battery Check:** Regularly monitor for low power alerts and ensure the power source is adequate.
- **Cleaning:** Keep the unit free from dust and debris using a soft, dry cloth. Do not use liquid cleaners.
- **Connection Integrity:** Periodically check all wired connections (sensors, antenna, power) to ensure they are secure.
- **SIM Card Validity:** Ensure the installed SIM card remains active and has sufficient credit for sending SMS alerts.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No SMS alerts received.	<ul style="list-style-type: none">SIM card not active or no credit.Poor GSM signal.Incorrect recipient numbers configured.Device not compatible with local network (e.g., 2G not supported).	<ul style="list-style-type: none">Check SIM card status and balance.Relocate the unit or antenna for better signal.Verify configured numbers via SMS command. <p>Important: The GL09 operates on 2G GSM. In regions like the USA, 2G networks are largely unsupported. Ensure your region still supports 2G GSM.</p>

Problem	Possible Cause	Solution
Alarm calls not consistently made.	Network congestion or specific carrier issues. Configuration error for call sequence.	This can be an intermittent issue. Ensure SIM card has calling credit. Review call configuration settings in the manual.
Configuration commands not responding.	Incorrect SMS command format. Command sent from an unregistered number. Temporary network delay.	Double-check the command syntax from the manual. Ensure the sending number is one of the pre-registered administrator numbers. Resend the command multiple times if necessary.
Low battery alert received.	Internal battery is low. External power supply issue.	Replace or recharge the battery. Verify the external power supply connection and functionality.

8. SPECIFICATIONS

Brand	Sonew
Model Number	GL09
Color	Black
Power Source	Battery Powered (DC 5-15V input)
Connectivity Technology	Wireless (2G GSM)
Alarm Inputs	8 Channels (NC/NO configurable)
Alert Type	SMS (Entry, Low Battery)
Dimensions (L x W x H)	66mm x 62mm x 22mm
Item Weight	153.17 Grams
Installation Method	Wireless DIY
UPC	703633381569, 747333521979

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video: An official product video demonstrating the features and functionality of the Sonew GL09 GSM Alarm System.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the contact details provided in the physical manual included with your product or visit the official Sonew website. Keep your purchase receipt for warranty claims.

