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visiPower GS-107-G Home Alarm System User Manual

Comprehensive guide for your GSM/4G Wireless 2.4GHz WiFi Home Alarm System

PRODUCT OVERVIEW

The visiPower GS-107-G is a comprehensive home security system designed for ease of use and robust protection. It features a 4.3-inch TFT full-color touch screen, supporting both GSM/4G cellular and 2.4GHz WiFi networks for reliable communication. The system is expandable with up to 100 wireless accessories, including PIR motion sensors, door/window sensors, remote controls, and RFID tags. It integrates with Tuya and Smart Life apps for remote control and notifications.



WiFi Solar Multi-functional Siren



- ✓ Plug and play
- ✓ IP65 Waterproof
- ✓ Flash & sound alarm
- ✓ Anti-tamper function
- ✓ Low-battery/Power off detection



Automatic charging during the day



Automatic sensing at night

Image: Main alarm panel, solar siren, PIR motion sensors, door sensors, remote controllers, and RFID tags included in the GS-107-G kit.

SETUP AND INSTALLATION

1. Unpacking and Initial Inspection

Carefully unpack all components from the box. Verify that all items listed in the package contents are present and undamaged. The standard package includes: 1 x Alarm Panel, 3 x PIR Motion Sensor, 3 x Door Sensor, 2 x Remote Controller, 2 x RFID Tag, 1 x GS520 (Solar Siren).

2. Alarm Panel Installation

The alarm panel is the central hub of your security system. It features a 4.3-inch IPS touch screen for intuitive operation.

- Mounting:** Fix the alarm host to a wall using the provided screws. Choose a central location within your home for optimal wireless signal coverage.
- Power Connection:** Connect the alarm host to a power source using the DC 5V micro USB standard interface power

supply. The built-in 3.7V/500mAh lithium-ion battery serves as a backup, providing approximately 8 hours of operation during power outages.

3. **SIM Card Insertion (Optional for GSM/4G functionality):** If you intend to use the GSM/4G features for SMS and voice calls, insert a compatible 2G/3G/4G SIM card into the designated slot on the alarm panel. Ensure the SIM card is active and has sufficient credit/data.



Image: Front view of the alarm panel showing the touch screen and SOS button.

Door Magnetic Sensor



Image: Illustration of the alarm panel's built-in rechargeable battery and anti-disassembly alarm function.

3. Sensor Installation and Pairing

The system supports up to 90 wireless zones for various accessories. Sensors are typically pre-paired with the main panel. If not, refer to the panel's on-screen menu for pairing instructions.

PIR Motion Sensors

Passive Infrared (PIR) motion sensors detect movement based on heat changes. Install them in areas where intruders are likely to pass.

- **Placement:** Mount PIR sensors at a height of 2.2-2.4 meters (7-8 feet) from the floor. Avoid direct sunlight, heat sources, or areas with strong air currents.
- **Coverage:** The wide-angle infrared detection has a detection angle of 110° left and right, and a detection distance of 12 meters (39 feet). For curtain infrared detection, the angle is 15° left and right, and the distance is 8 meters (26 feet), typically installed above doors and windows.

Two-way voice intercom function

Make and receive calls, voice messages,
SMS remote control, provide you with an intelligent life



Image: Illustration showing optimal placement and detection range of a PIR motion sensor.

Door/Window Sensors

These sensors consist of two parts: a main unit and a magnetic strip. They trigger an alarm when the magnetic contact is broken (i.e., a door or window is opened).

- **Placement:** Mount one part on the door/window frame and the other on the moving part (door/window) itself. Ensure they are aligned and within 1 cm (0.4 inches) of each other when the door/window is closed.



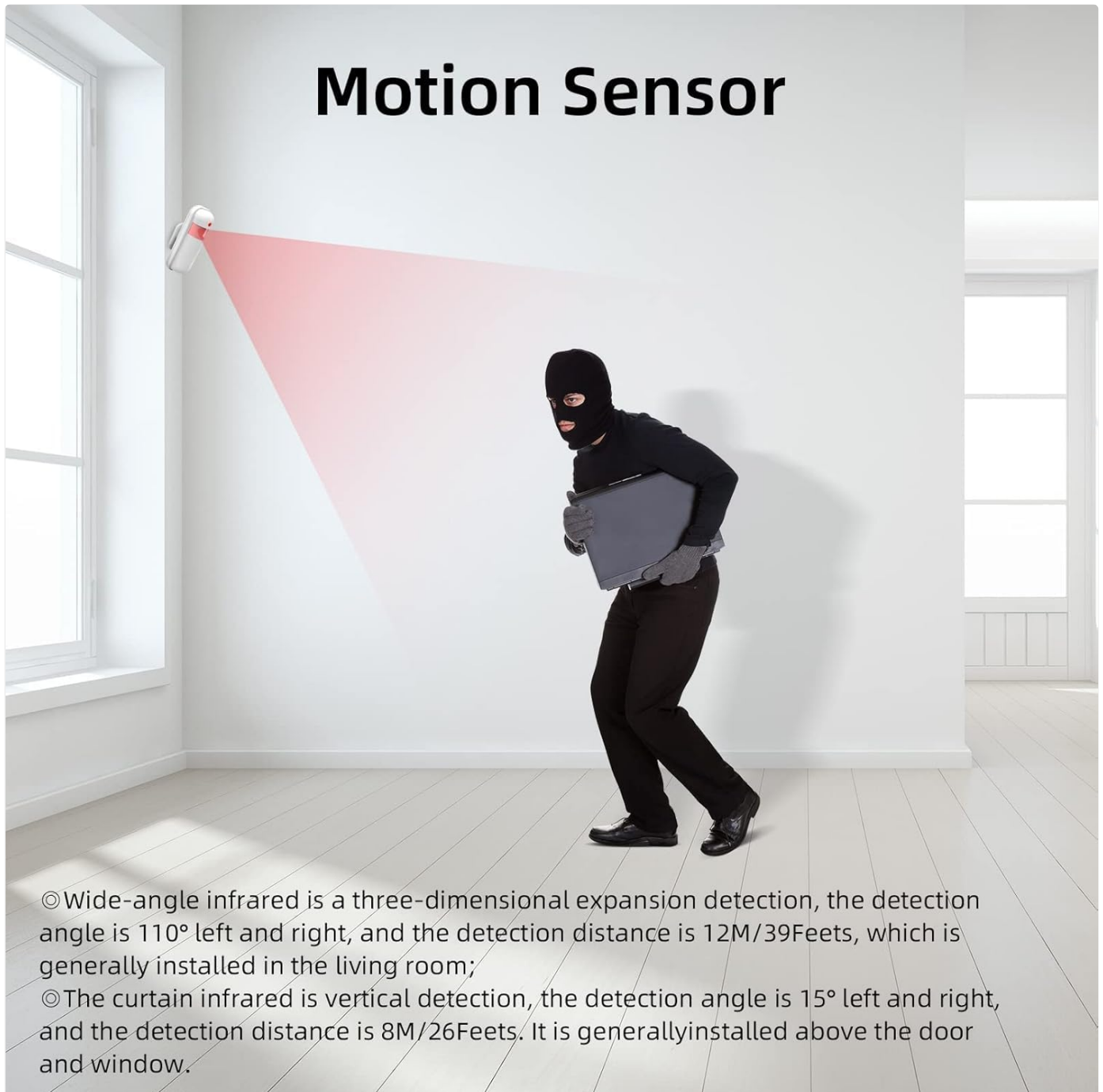
Image: Example of a door magnetic sensor installed on a door frame and door.

Solar Siren (GS520)

The solar siren is an outdoor alarm device that charges via solar power during the day and senses at night. It provides a loud audible alarm and flashing light when triggered.

- **Placement:** Install the solar siren outdoors in a location that receives ample direct sunlight throughout the day for optimal charging. Ensure it is within wireless range of the main alarm panel.
- **Features:** Plug and play, IP65 waterproof, flash and sound alarm, low-battery/power off detection, anti-tamper function.

Motion Sensor



© Wide-angle infrared is a three-dimensional expansion detection, the detection angle is 110° left and right, and the detection distance is 12M/39Feets, which is generally installed in the living room;

© The curtain infrared is vertical detection, the detection angle is 15° left and right, and the detection distance is 8M/26Feets. It is generally installed above the door and window.

Image: Diagram showing the dimensions and key features of the WiFi Solar Multi-functional Siren.

4. App Setup (Tuya / Smart Life)

The system is compatible with the "Tuya" and "Smart Life" mobile applications, allowing remote control and notifications.

1. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (available for iPhone and Android).
2. **Register/Login:** Create an account or log in if you already have one.
3. **Add Device:** Follow the in-app instructions to add your alarm panel. Ensure your alarm panel is connected to a 2.4GHz WiFi network (5GHz WiFi is not supported). The app will guide you through the pairing process, which often involves putting the alarm panel into pairing mode.
4. **Configure Settings:** Once connected, you can configure alarm settings, add/remove sensors, set up alarm phone numbers, and manage other system parameters directly from the app.

OPERATING INSTRUCTIONS

1. Alarm Panel Interface

The 4.3-inch TFT full-color touch screen provides a user-friendly interface to manage your system. The main screen displays live status, date, and time.



Image: Close-up of the alarm panel's touch screen interface showing various functions like Call, Arm, Disarm, Stay Arm, and Menu.

2. Arming and Disarming the System

- **Arm:** Activates all sensors. Any triggered sensor will initiate an alarm. Use this when leaving your home.
- **Disarm:** Deactivates all sensors, allowing free movement without triggering an alarm.
- **Stay Arm (Home Arm):** Activates perimeter sensors (e.g., door/window sensors) while allowing movement within the home (e.g., motion sensors are bypassed). Use this when you are at home.
- **Methods:** You can arm/disarm the system via the touch screen, remote controller, RFID tag, SMS commands, or through the Tuya/Smart Life app.

3. SOS Function

In an emergency, press the SOS button on the alarm panel or remote controller. The system will immediately trigger an alarm and notify preset emergency contacts via phone call and/or SMS.

4. Two-Way Voice Intercom

The alarm panel supports two-way voice communication. When a SIM card is inserted, you can make and receive calls directly through the panel, or use it for voice messages and remote monitoring.



Image: Illustration of the two-way voice intercom function, allowing communication through the alarm panel.

5. Remote Control via App

The Tuya/Smart Life app provides full control over your alarm system from anywhere with an internet connection.

- **Arm/Disarm:** Remotely arm or disarm your system.
- **Notifications:** Receive instant push notifications for alarms and system status changes.
- **Settings:** Adjust system settings, add/remove devices, and manage user permissions.
- **Voice Control:** The system supports voice control via Amazon Alexa and Google Assistant when integrated through the Tuya/Smart Life app.

Long signal transmission distance

Note: The distance is 100 meters in an open space, the actual received signal varies depending on the environment, and the signal is also different due to different obstacles



Image: Depiction of the alarm system's compatibility with Amazon Alexa for voice control commands.



Image: Screenshot of the mobile application interface for remote control and monitoring of the alarm system.

6. Zone Settings and Customization

The system allows for various zone settings to customize how sensors behave:

- **In/Out Zone:** Sensors in this zone have an entry/exit delay.
- **Indoor Zone:** Sensors in this zone are typically bypassed during "Stay Arm" mode.
- **Outdoor Zone:** Sensors in this zone are active in both "Arm" and "Stay Arm" modes.
- **24 Hours Zone:** Sensors in this zone are always active, regardless of arming status (e.g., smoke detectors, gas leak detectors).
- **Doorbell Zone:** Configures a sensor to act as a doorbell chime.
- **Zone Name Editable:** You can customize the names of each zone for easier identification.

MAINTENANCE

1. Battery Management

- **Alarm Panel Battery:** The main panel has a built-in 3.7V/500mAh lithium-ion backup battery. Ensure the panel is regularly connected to power to keep this battery charged. The system will notify you of low battery status.

- **Accessory Batteries:** Wireless sensors (PIR, door/window) are battery-powered. The system will provide low battery notifications for these accessories. Replace batteries promptly when indicated to ensure continuous protection.
- **Solar Siren:** The GS520 solar siren charges automatically during the day. Ensure its solar panel is clean and unobstructed for efficient charging.

2. Cleaning

Clean the alarm panel screen and sensor surfaces with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents, as they may damage the components.

3. System Updates

Periodically check the Tuya/Smart Life app for any available firmware updates for your alarm panel. Keeping the system updated ensures optimal performance and security.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm panel not connecting to WiFi.	Incorrect WiFi password; 5GHz WiFi network; signal interference; router issues.	<ul style="list-style-type: none">• Ensure correct 2.4GHz WiFi password is entered.• Verify your router is broadcasting a 2.4GHz network.• Move the alarm panel closer to the WiFi router.• Restart your WiFi router.
Sensors not triggering alarm.	Low battery in sensor; sensor out of range; sensor not paired; incorrect zone setting.	<ul style="list-style-type: none">• Replace sensor battery.• Ensure sensor is within wireless range of the alarm panel.• Re-pair the sensor with the alarm panel.• Check zone settings (e.g., ensure it's not set to "Bypass" or "Disarmed").
False alarms.	Improper sensor placement (PIR); pets; strong air currents; direct sunlight on PIR.	<ul style="list-style-type: none">• Adjust PIR sensor placement to avoid heat sources, direct sunlight, or areas with pets.• Ensure door/window sensors are securely mounted and not easily dislodged.
No SMS/Call notifications.	No SIM card; inactive SIM card; insufficient credit; incorrect phone numbers configured.	<ul style="list-style-type: none">• Insert an active SIM card with credit.• Verify the SIM card is properly inserted.• Check the preset alarm phone numbers in the panel settings.• Ensure GSM/4G signal strength is adequate.

PRODUCT SPECIFICATIONS

Parameter	Detail
Model Number	GS-107-G

Parameter	Detail
Power Input	DC 5V (micro USB standard interface)
Working Current	<120mA
Standby Current	<80uA
Alarm Current	<500mA
Wireless Frequency	433MHZ
Wireless Coding	EV 1527
2G Bands	850/900/1800/1900MHZ
Wi-Fi Bands	IEEE802.11b/g/n RF standard (2.4GHz only)
Standby Battery	3.7V/500mAh lithium-ion (included)
Temperature Range	0°C ~ 55°C (32°F ~ 131°F)
Humidity Range	<80%RH (Non-condensing)
Dimensions (L x W x H)	6.3 x 3.9 x 0.7 inches (Alarm Panel)
Item Weight	1.3 pounds
Color	White
Connectivity Technology	Wireless (GSM/4G, WiFi)

WARRANTY INFORMATION

Specific warranty details for the visiPower GS-107-G Home Alarm System are typically provided with your purchase documentation or on the manufacturer's official website. Please refer to these resources for comprehensive warranty terms and conditions. Generally, products are covered against manufacturing defects for a specified period from the date of purchase.







CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact visiPower customer support. You can typically find contact information (phone, email, or support portal) on the visiPower official website or through your purchase platform.

Online Resources: Visit the [visiPower Store on Amazon](#) for additional product information and updates.



Related Documents - GS-107-G

	<p>VisiPower Pet Robot Cam User Manual: Dual Lens, Mobile Surveillance</p> <p>Comprehensive user manual for the VisiPower Pet Robot Cam, detailing its dual-lens, mobile smart camera features, two-way audio, night vision, and pet interaction capabilities for home monitoring.</p>
	<p>KERUI Smart WiFi Speaker Alarm System: Operating Instructions and Features</p> <p>Comprehensive operating instructions for the KERUI Smart WiFi Speaker Alarm System, detailing its summary, performance characteristics, function explanations, host networking, app download, accessory setup, and technical specifications.</p>
	<p>G-Homa 2K 3MP Outdoor Wireless Security Camera User Manual</p> <p>Detailed user manual for the G-Homa 2K 3MP Outdoor Wireless Security Camera. Learn about installation, app setup, Wi-Fi connection, charging, PIR motion detection, troubleshooting, and features like colorful night vision and two-way audio.</p>
	<p>Tuya Wifi Water Leakage Detector User Manual - Setup and Operation</p> <p>Comprehensive user manual for the Tuya Wifi Water Leakage Detector. Learn how to install, connect, and use the smart home sensor to detect water leaks and receive alerts.</p>
	<p>Yaesu Rotators: High-Performance Antenna Positioners</p> <p>Explore the range of Yaesu antenna rotators, including models like G-2800DXA, G-1000DXA, G-800DXA, and G-450A, with detailed specifications, features, and optional accessories for amateur radio enthusiasts.</p>
	<p>Yaesu GS-232B Computer Control Interface for Antenna Rotators - User Manual</p> <p>Comprehensive user manual for the Yaesu GS-232B Computer Control Interface, detailing its specifications, installation procedures, calibration steps, and operational commands for controlling Yaesu antenna rotators.</p>