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> TUGARD Wireless WiFi/GSM Smart Home Alarm System (Model ZASD-G03-4G-EB003) User Manual

TUGARD ZASD-G03-4G-EB003

TUGARD Wireless WiFi/GSM Smart Home Alarm System User Manual

Model: ZASD-G03-4G-EB003

1. INTRODUCTION AND SYSTEM OVERVIEW

The TUGARD Wireless WiFi/GSM Smart Home Alarm System provides comprehensive security for your home or business. This system integrates WiFi and GSM connectivity, allowing for reliable monitoring and alerts even if one network is unavailable. It features a user-friendly interface, mobile app control, and compatibility with smart home assistants like Alexa and Google Assistant.



Figure 1.1: TUGARD Alarm System Control Panel highlighting dual network support and voice control compatibility. The image displays the main control panel with a digital screen showing time and system status, along with icons indicating features like 2.4-inch TFT screen, APP remote control, timing alarm, 13 national languages, Alexa voice control, and app/call/SMS notifications.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x Alarm Host (Main Control Panel)
- 1 x Siren
- 3 x PIR Motion Detectors
- 10 x Door/Window Sensors
- 3 x RFID Cards
- 2 x Remote Controls
- 1 x SOS Button
- 1 x Doorbell Push Button

3. SYSTEM FEATURES

- **Dual Network Connectivity:** Supports 2.4GHz WiFi and 2G GSM SIM card for continuous security.
- **No Monthly Fees:** Operates without recurring subscription costs.
- **Mobile App Control:** Manage your system from anywhere using the dedicated smartphone app (Tuya or Smart Life).
- **Voice Assistant Compatibility:** Integrates with Amazon Alexa and Google Assistant for convenient voice control.
- **Programmable Arm/Disarm:** Schedule specific times for arming and disarming the system.
- **Instant Notifications:** Receive app notifications, calls, or SMS messages upon alarm triggers.
- **Multi-Language Support:** The system supports 13 different languages for user interface and voice prompts.
- **Easy DIY Installation:** Designed for straightforward setup without professional assistance.

4. SETUP GUIDE

4.1 Initial Setup and Placement

Place the alarm host in a central location within your home, ensuring it has access to a power outlet and good WiFi signal coverage. Avoid placing it near large metal objects or other devices that may cause interference.

Easy DIY Installation and Multipurpose Application

The host is equipped with multiple accessories, one-click arming and disarming. Remote, Sensors and Siren can be used in various scenarios according to your needs.



Figure 4.1: Recommended placement of the alarm host and various sensors within a home environment. The diagram illustrates the alarm hub, PIR motion sensor, door & window sensor, wireless strobe siren, gas detector, WiFi doorbell, outdoor camera, and smoke detector in different areas of a house.

4.2 Powering On the Alarm Host

1. Connect the power adapter to the alarm host and plug it into a wall outlet.
2. The system will power on automatically. Follow the on-screen prompts for initial configuration.

4.3 Mobile App Installation and Pairing

1. Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (iOS or Android).
2. Register for a new account or log in if you already have one.
3. In the app, tap "Add Device" or the "+" icon.
4. Select "Security & Video Surveillance" > "Alarm (Wi-Fi)" or search for your specific alarm model.
5. Follow the in-app instructions to connect the alarm host to your 2.4GHz WiFi network. Ensure your phone is connected to the same 2.4GHz network during pairing.

4.4 GSM SIM Card Installation (Optional)

If you wish to use the GSM backup feature, install a 2G SIM card into the designated slot on the alarm host. Ensure the SIM card is active and has sufficient credit for calls and SMS.

4.5 Sensor Installation

Install the door/window sensors and PIR motion detectors in strategic locations. Ensure proper alignment for door/window sensors and clear line of sight for motion detectors.

- **Door/Window Sensors:** Mount the two parts of each sensor on the door/window frame and the moving part, ensuring they are within 1 cm of each other when closed.
- **PIR Motion Detectors:** Install in corners or areas where intruders are likely to pass, typically 2-2.2 meters (6.5-7.2 feet) above the floor. Avoid direct sunlight or heat sources.

4.6 Pairing Accessories

All included sensors, remote controls, RFID cards, SOS button, and doorbell push button are pre-paired. If you need to add new accessories or re-pair existing ones, refer to the alarm host's menu or the mobile app's device management section.

5. OPERATING INSTRUCTIONS

5.1 Arming and Disarming the System

You can arm or disarm the system using the alarm host keypad, remote controls, RFID cards, or the mobile app.

- **Arm (Away Mode):** Activates all sensors. Use when leaving the property.
- **Home Arm (Stay Mode):** Activates perimeter sensors (e.g., door/window sensors) while allowing free movement inside.
- **Disarm:** Deactivates all sensors.

5.2 Voice Control with Alexa/Google Assistant

Once integrated with your smart home assistant, you can use voice commands to control your alarm system.

- **Example Commands:**
"Alexa, arm my home."
"Hey Google, disarm the alarm."

5.3 Programmable Arm/Disarm Schedules

Set up daily or weekly schedules for automatic arming and disarming through the mobile app or the alarm host's settings.

Timing Arm and Disarm to Avoid Daily Repeated Operation

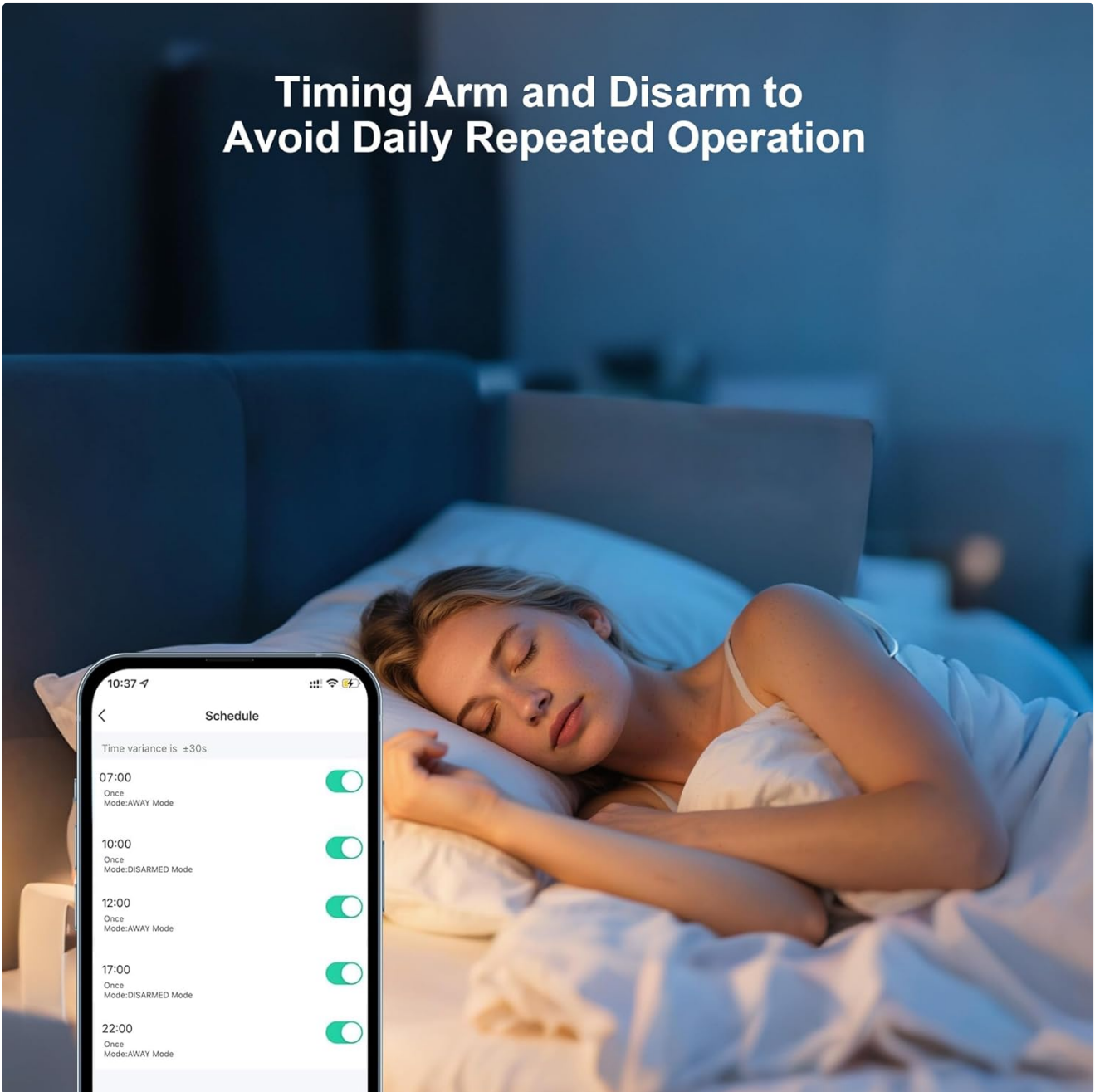


Figure 5.1: Mobile app interface displaying options to set timing for arming and disarming the alarm system, such as 07:00 (Away Mode), 10:00 (Disarmed Mode), 12:00 (Away Mode), 17:00 (Disarmed Mode), and 22:00 (Away Mode).

5.4 Emergency Notifications and Auto-Dial

In the event of an alarm trigger, the system will sound the siren and send notifications. It can also automatically call or send SMS messages to up to 5 pre-set phone numbers.

No Emergency Information Missing

The automatic domposition function will call up to 5 designated telephone numbers in the event of a security breach



Figure 5.2: The alarm system's automatic notification feature, showing how it calls and messages designated contacts (represented by phone numbers and people talking on phones) when an illegal intruder is detected, alongside the alarm host and a smartphone displaying an incoming call from "Home Alarm system".

5.5 Renaming Sensors

For easier identification of triggered sensors, you can rename them within the mobile app.

1. Open the mobile app and navigate to the device list.
2. Select the sensor you wish to rename.
3. Access the sensor settings and enter a descriptive name (e.g., "Living Room Window", "Front Door").

Support Rename Sensors to Distinguish Which Sensor Triggered the Alarm System

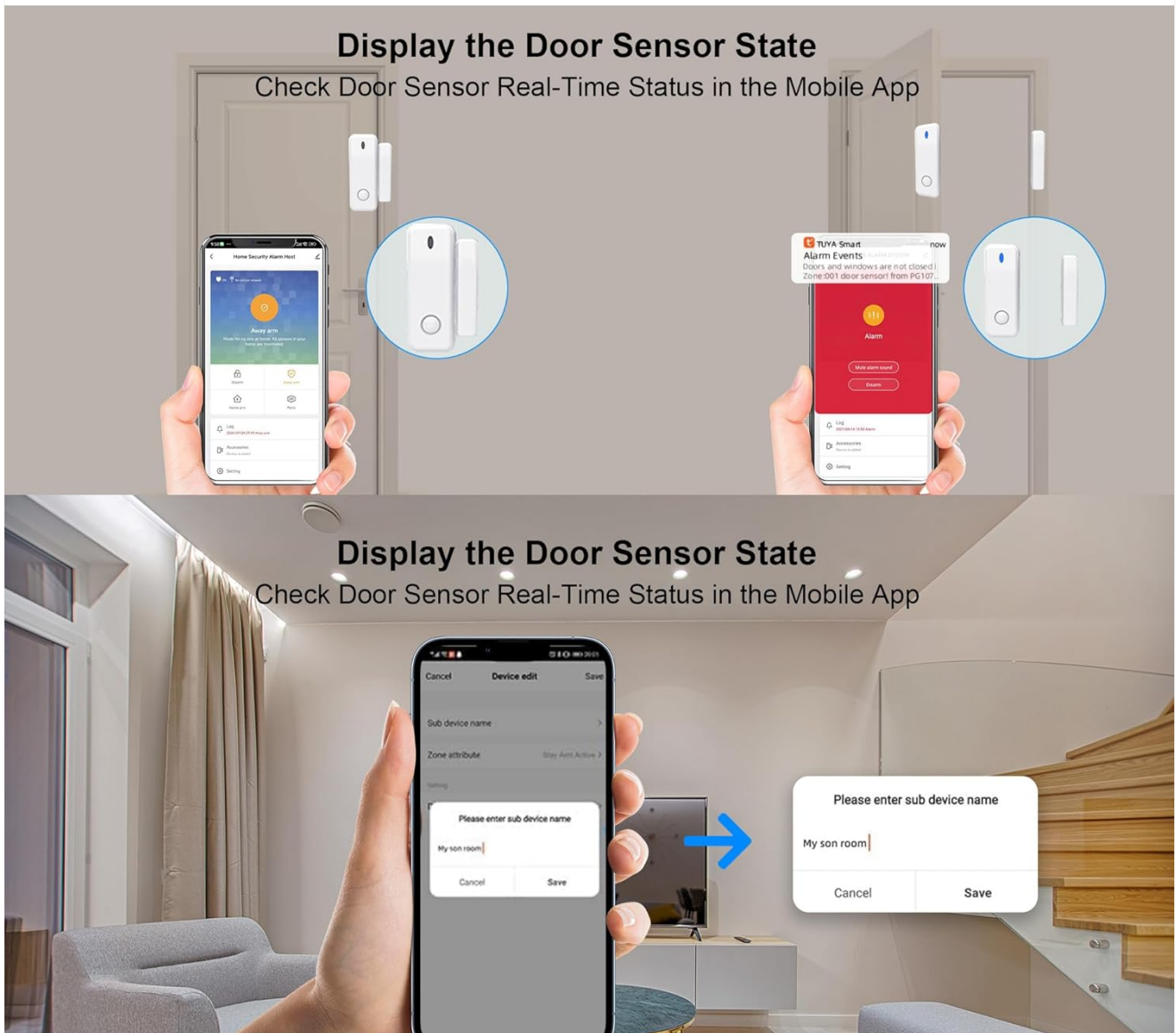


Figure 5.3: Mobile app interface demonstrating the process of renaming a door sensor. The image shows a smartphone screen with the "Device edit" menu, where a user can enter a new sub-device name, such as "My son room", to customize sensor identification.

5.6 Language Settings

The alarm system supports 13 languages. You can change the display language and voice prompts through the alarm host's settings menu.

Support 13 Languages Switched Freely

Support Multi-Language Menu Display, Voice Operation Prompts And Alarm SMS Settings



Figure 5.4: A visual representation of the 13 languages supported by the TUGARD alarm system, including Chinese, English, German, Russian, Spanish, Polish, Italian, French, Portuguese, Greek, Romanian, Czech, and Magyar.

6. MAINTENANCE

6.1 Battery Replacement

Sensors and remote controls are battery-powered. Replace batteries when the system indicates a low battery warning or when devices become unresponsive. Refer to individual sensor manuals for specific battery types and replacement procedures.

6.2 Cleaning

Wipe the alarm host and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the device surfaces.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
System not connecting to WiFi	Incorrect WiFi password; 5GHz WiFi network; weak signal.	Ensure correct 2.4GHz WiFi password. Move host closer to router. Restart router and host.
Sensors not triggering alarm	Low battery; sensor out of range; improper installation.	Check/replace sensor batteries. Ensure sensors are within range of the host. Verify correct sensor alignment/placement.
No app notifications/calls	App permissions denied; incorrect phone numbers; no GSM signal/credit.	Check app notification permissions. Verify preset phone numbers. Ensure SIM card is active and has credit/signal.
Voice control not working	Incorrect integration with Alexa/Google; device offline.	Re-link the TUGARD system in your Alexa/Google Home app. Ensure the alarm host is connected to WiFi.

8. SPECIFICATIONS

Feature	Specification
Brand	TUGARD
Model Number	ZASD-G03-4G-EB003
Connectivity Technology	WiFi (2.4GHz), GSM (2G)
Compatible Devices	Smartphone (iOS/Android), Amazon Alexa, Google Assistant
Item Dimensions (L x W x H)	7.09 x 4.72 x 0.55 inches (Alarm Host)
Item Weight	1.23 Kilograms (Total System)
Voltage	220 Volts
Maximum Wireless Range	100 Meters (Sensor to Host)
Battery Average Life (Sensors)	3 years
Battery Cell Type	Lithium Ion (Internal Host Battery)
Built-In Media	LCD Control Panel
UPC	727636984299

9. WARRANTY AND SUPPORT

TUGARD products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your product packaging or visit the official TUGARD website. Keep your purchase receipt as proof of purchase for warranty claims.