TUGARD ZX-G30

Home Security System User Manual

Brand: TUGARD | Model: G30 Alarm System

1. Introduction

This manual provides comprehensive instructions for the TUGARD G30 Wireless WiFi Tuya Smart Home Alarm System. This system offers robust security for homes, apartments, and offices without requiring monthly fees. It is designed for easy DIY installation and is compatible with popular smart home platforms like Alexa and Google Assistant, providing real-time alerts and comprehensive protection.

2. What's in the Box

The TUGARD G30 Alarm System 11-piece kit includes the following components:

- 1 x WiFi Alarm Base Station (Alarm Panel)
- 4 x Windows & Door Sensors
- 1 x Wired Siren
- 1 x Motion Sensor
- 2 x Remote Controls
- 2 x RFID Cards
- 1 x Power Supply
- 2 x Key Fobs
- Screw Kit
- Double Sided Mounting Tape
- User's Guide

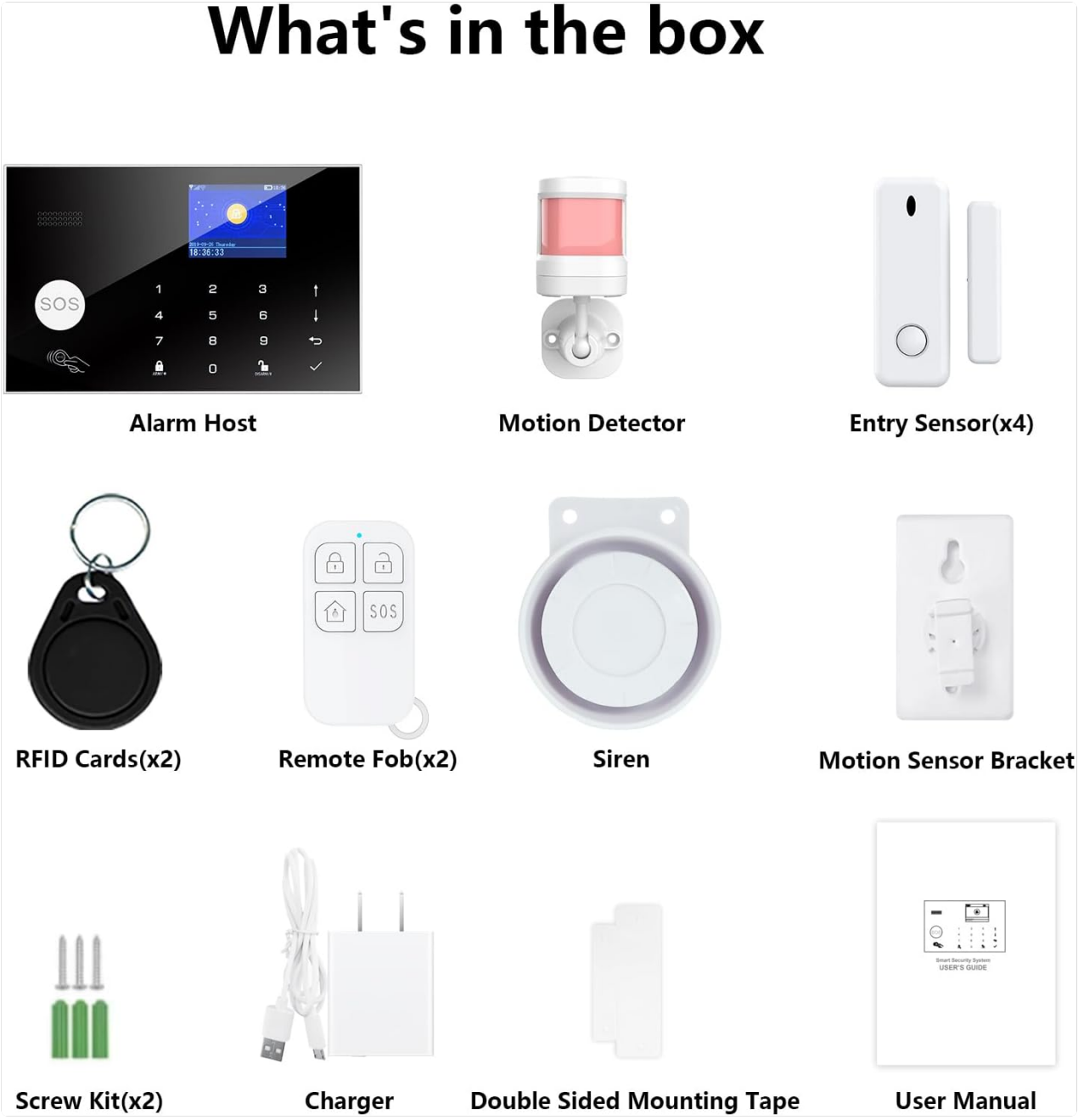


Figure 2.1: All components included in the TUGARD G30 Alarm System kit.

3. Setup and Installation

3.1 Host Installation

The alarm host (main panel) can be mounted on a wall or placed on a flat surface. Ensure it is in a central location for optimal sensor communication and Wi-Fi signal reception.



Figure 3.1: TUGARD G30 Alarm System main panel and included accessories.

For a visual guide on installing all parts of the system, refer to the official video:

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Video 3.1: "G30 Alarm System How to Install all Parts" - This video demonstrates the step-by-step installation process for all components of the G30 alarm system.

3.2 Power Connection

Connect the provided power supply to the alarm host. The system includes a 24-hour backup battery to ensure continuous operation during power outages.

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Video 3.2: "How to Use G30 TUGARD Home Security Alarm System 2.4G Wifi" - This video includes instructions on connecting the power supply to the alarm host (relevant segment starts around 0:34).

3.3 SIM Card Insertion (for GSM Network)

The G30 system supports GSM network technology for SMS and voice monitoring. Insert a 2G SIM card into the designated slot on the back of the alarm host. Ensure the chip is facing downwards and is properly connected to the electronic mainboard.

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Video 3.3: "G30 Alarm System Insert Card" - This video demonstrates the correct procedure for inserting the SIM card into the alarm host.

3.4 Sensor Installation

Strategically place sensors in areas susceptible to intrusion. The system supports up to 100 wireless zones.

- **Door/Window Sensors:** Install on doors and windows. When separated, they trigger an alarm.



Figure 3.2: Door/Window Sensor triggering an alarm and sending a real-time notification.

- **Motion Sensor:** Install at a height of approximately 2.2 meters. The detection angle is 120 degrees. Avoid installing near windows or heat sources to prevent false alarms.

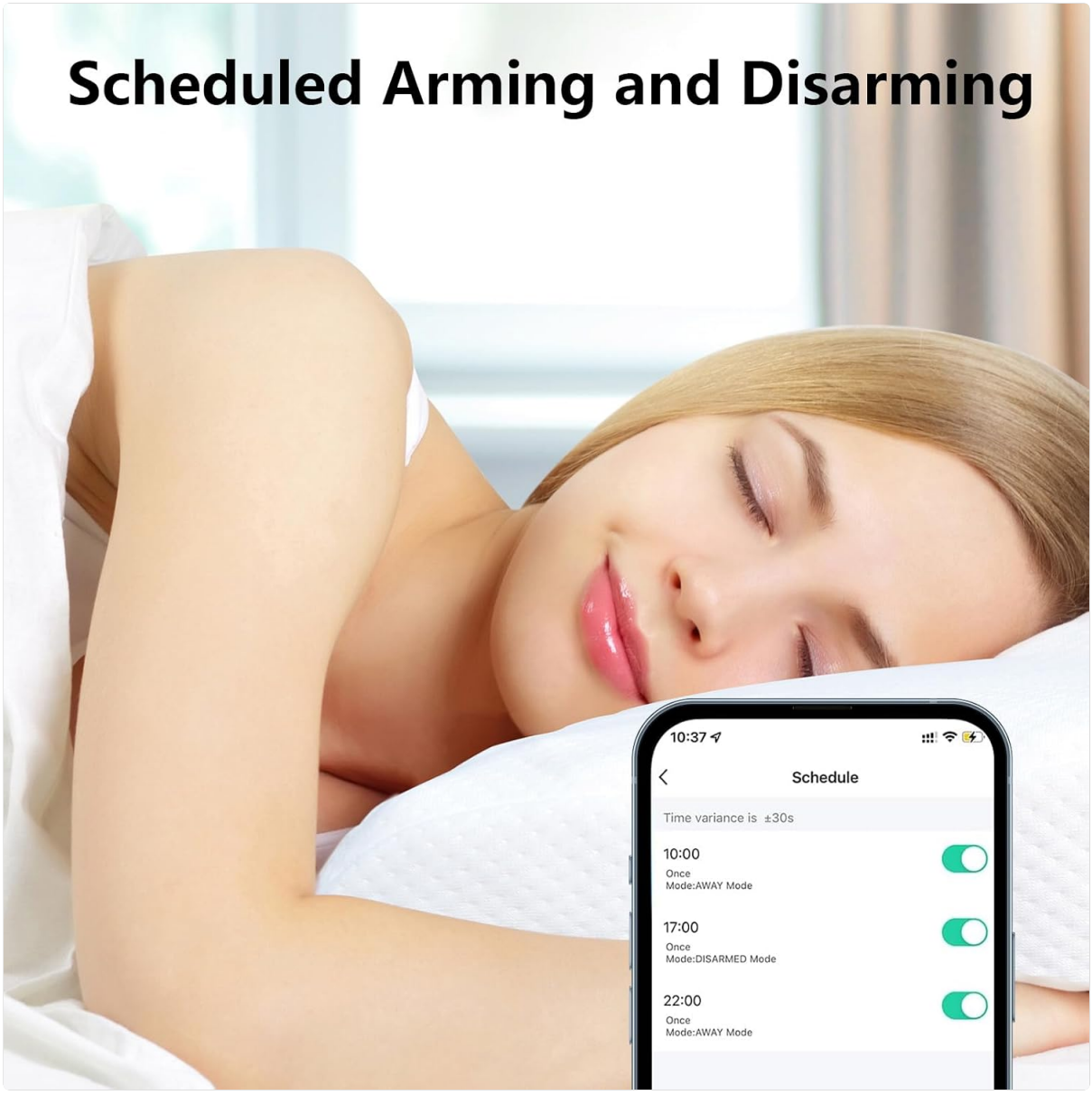


Figure 3.3: Motion sensor detecting activity in a home environment.

4. Operating Instructions

4.1 Arming and Disarming the System

The TUGARD G30 system offers multiple ways to arm and disarm for your convenience:

- **Tuya App Control:** Arm, disarm, and manage your system remotely from anywhere using the Tuya app on your smartphone.
- **Voice Control:** Connect with Alexa or Google Assistant for hands-free arming and disarming using voice commands.



Figure 4.1: Voice control integration with Alexa and Google Assistant.

- **Keypad:** Use the keypad on the alarm host to enter your password for arming/disarming.
- **Remote Controls:** Use the provided remote controls for quick arming and disarming.
- **RFID Cards:** Simply tap an RFID card on the host's sensing area to switch the system's status.

4.2 Real-time Alerts

When a sensor is triggered, the system emits a 120dB alarm and sends real-time notifications directly to your smartphone via the Tuya app, keeping you informed of any suspicious activity.

4.3 SOS Button

In case of an emergency, press the SOS button on the alarm host or the remote control to immediately trigger an alarm and notify pre-set emergency contacts.



Figure 4.2: The SOS button provides immediate emergency alerts.

5. Pairing Accessories

The G30 system allows for easy expansion by pairing additional sensors and remote controls. The system comes pre-paired, but you can add more as needed.

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Video 5.1: "G30 Alarm System Smart Pairing" - This video demonstrates how to pair various accessories with the alarm host.

5.1 Pairing Remote Controls

1. On the alarm host, navigate to Menu > Parts > Remote > Add.
2. Press any button on the remote control you wish to pair.
3. The host will confirm successful pairing.

5.2 Pairing RFID Cards

1. On the alarm host, navigate to Menu > Parts > RFID > Add.

2. Place the RFID card on the RFID sensing area of the host.
3. The host will confirm successful pairing.

5.3 Smart Pairing for Sensors (Magnetic Door/Window, Infrared Detectors)

1. On the alarm host, navigate to Menu > Parts > Smart Pairing.
2. For magnetic door/window sensors, separate the two parts of the sensor.
3. For infrared detectors, trigger the sensor by moving in front of it.
4. The host will confirm successful pairing.

5.4 Pairing Doorbell and Smoke Detectors

Follow similar steps as above for other compatible accessories like doorbells and smoke detectors, typically by activating the accessory while the host is in Smart Pairing mode.

6. Network Configuration

To enable app control and real-time notifications, connect your alarm host to your 2.4GHz Wi-Fi network (5G Wi-Fi is not supported).

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Video 6.1: "G30 Alarm System Configure the Network" - This video guides you through connecting the alarm host to your Wi-Fi network.

1. Ensure your smartphone's Wi-Fi and Bluetooth are enabled.
2. On the alarm host, navigate to Menu > Wi-Fi > SmartLink Configure.
3. Open the Tuya/Smart Life app on your smartphone. The app should automatically detect the device.
4. Select your 2.4GHz Wi-Fi network and enter the correct password.
5. Confirm the pairing in the app.

7. Setting Language and Time

You can customize the language and time settings on your alarm host.

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Video 7.1: "Alarm System Setting Time and Language" - This video demonstrates how to adjust the language and time settings.

1. On the alarm host, navigate to Menu > Settings > Language to select your preferred language.
2. To set the time, navigate to Menu > Timer > Date&Time. Adjust the year, month, day, hour, and minute as needed.

8. Maintenance

- **Battery Backup:** The alarm host features a 24-hour backup battery. Ensure the host remains plugged in for continuous power.

- **Sensor Battery Reminder:** The Tuya app will automatically alert you when a sensor's battery is low, prompting replacement.
- **Regular Testing:** Periodically test your alarm system's functionality to ensure all sensors are working correctly and the alarm is triggered as expected.

9. Troubleshooting

- **False Alarms:**
  - Ensure motion sensors are not placed near heat sources, direct sunlight, or in areas with frequent pet movement (the system has intelligent anti-pet algorithm, but extreme cases may occur).
  - Verify all door/window sensors are properly aligned and securely installed.
- **Wi-Fi Connectivity Issues:**
  - Ensure your Wi-Fi network is 2.4GHz. The system does not support 5G Wi-Fi.
  - Verify the Wi-Fi password entered during configuration is correct.
  - Place the alarm host within good range of your Wi-Fi router.
  - If issues persist, try restarting your router and the alarm host.
- **Anti-Tamper Alarm:**
  - The alarm host has an anti-tamper feature. Ensure the unit is securely mounted to its bracket. If the unit is dislodged, the alarm will sound. Re-secure the unit to stop the alarm.

10. Specifications

Feature	Specification
Brand	TUGARD
Model Number	ZX-G30
Color	Black
Power Source	Corded Electric (5 Volts AC)
Connectivity Technology	Wireless (2.4GHz WiFi + GSM Dual Network Mode)
Compatible Devices	Smartphone (Tuya App), Alexa, Google Assistant
Item Dimensions (L x W x H)	7.08 x 4.52 x 0.86 inches
Alert Type	Motion, Door/Window Open, SOS
Noise Level	100 dB (Wired Siren)

Feature	Specification
Max Wireless Zones	100
Max Remote Controls	10
Max RFID Cards	10
Battery Cell Composition	Alkaline (for sensors/remotes)
Battery Life (Sensors)	3 years
Control Method	App, Remote, Touch (Keypad)
UPC	727636982844

11. Warranty and Support

The TUGARD G30 Home Security System is designed for easy self-monitoring with no monthly subscription fees, providing a cost-effective security solution.
For any questions or assistance, TUGARD offers 24-hour customer service. Please reach out to the seller directly for support.