

## Wolf Guard MR1-HOST

# Wolf-Guard W4Q-Host MR1-HOST Wireless 4G + WiFi Dual-Network Home Alarm System

User Manual

## 1. INTRODUCTION

The Wolf-Guard W4Q-Host MR1-HOST is an advanced wireless home security system designed to provide comprehensive protection for your property. This smart alarm control unit integrates WiFi and 4G dual-network connectivity, ensuring reliable communication and alerts. It supports a wide range of wireless detectors and can be fully managed via a smartphone application, offering convenience and peace of mind.

This manual provides detailed instructions for setting up, operating, and maintaining your Wolf-Guard alarm system, along with troubleshooting tips to ensure optimal performance.

## 2. PRODUCT OVERVIEW

The W4Q-Host MR1-HOST control unit features a 2.4-inch TFT LCD display for easy navigation and status updates. It includes a numeric keypad for direct control and supports various arming/disarming methods, including remote controls, RFID cards, and the dedicated mobile application.



Figure 2.1: Front view of the Wolf-Guard W4Q-Host MR1-HOST control unit, showing the display, keypad, and RFID reader.

Key features include:

- **WiFi + 4G Dual-Network Connectivity:** Ensures reliable alarm notifications via both internet and cellular networks.
- **APP Control:** Full system management through the free Smartlife and Tuya applications for Android and iOS.
- **Extensive Zone Support:** Up to 100 wireless defense zones and 2 wired defense zones, with customizable zone attributes (e.g., 24-hour, ordinary, home, delay).
- **Multiple Arming/Disarming Methods:** Keypad, remote control, APP, SMS, and RFID cards.
- **Built-in Backup Battery:** Provides continuous operation during power outages.
- **Smart Doorbell Function:** App notifications for doorbell events.
- **Compatibility:** Works with Amazon Alexa and Google Assistant.



### 3. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present and in good condition:

- 1 x Wolf-Guard W4Q-Host MR1-HOST Control Unit
- 1 x Power Adapter
- User Manual (this document)

*Note: Additional sensors (PIR detectors, door/window sensors, remote controls, RFID tags) are typically sold separately or included in specific kits. Refer to your purchase details for a complete list of included accessories.*

## 4. SETUP

### 4.1 Initial Power-Up

1. Connect the provided power adapter to the DC 5V input port on the back of the control unit.
2. Plug the power adapter into a standard wall outlet. The unit will power on automatically.
3. The display will light up, and the system will initiate.

### 4.2 SIM Card Installation (for 4G functionality)

If you intend to use the 4G cellular backup feature, install a compatible SIM card:

1. Locate the SIM card slot on the side or back of the control unit.
2. Insert a standard 4G SIM card into the slot, ensuring correct orientation.
3. The system will automatically detect the SIM card and attempt to connect to the cellular network.

### 4.3 App Download and WiFi Connection

To control the system via your smartphone, download the 'Smartlife' or 'Tuya' app:

1. Scan the QR code in the manual (if provided) or search for 'Smartlife' or 'Tuya' in your device's app store (Google Play for Android, App Store for iOS).
2. Install and open the app, then register a new account or log in.
3. In the app, add a new device. Select 'Security & Sensor' > 'Alarm (Wi-Fi)'.
4. Follow the on-screen instructions in the app to connect the alarm host to your home WiFi network. This typically involves entering your WiFi password.

# Working Together With Security Panel



Figure 4.1: The alarm system working in conjunction with a security panel, indicating wireless communication.

## 4.4 Adding Sensors and Accessories

Many sensors in the kit are pre-configured. If you need to add new sensors or accessories:

1. Access the 'Accessories' or 'Sensor Management' menu on the control unit or via the app.
2. Select 'Add Sensor' or 'Pair Device'.
3. Trigger the sensor (e.g., open a door/window sensor, wave in front of a PIR detector) to send a signal to the host.
4. The host will detect and register the new sensor. Assign it to a specific zone and customize its attributes as needed.

## 5. OPERATING INSTRUCTIONS

### 5.1 Arming and Disarming the System

The system can be armed or disarmed using several methods:

- **Keypad:** Enter your user code and press the arm/disarm button on the control unit.
- **Remote Controller:** Press the arm or disarm button on your remote.
- **Smartphone APP:** Use the 'Smartlife' or 'Tuya' app to remotely arm or disarm the system from anywhere.
- **RFID Card:** Swipe a registered RFID card over the RFID reader on the control unit to disarm.
- **SMS:** Send specific SMS commands to the system's SIM card number (if 4G is active).

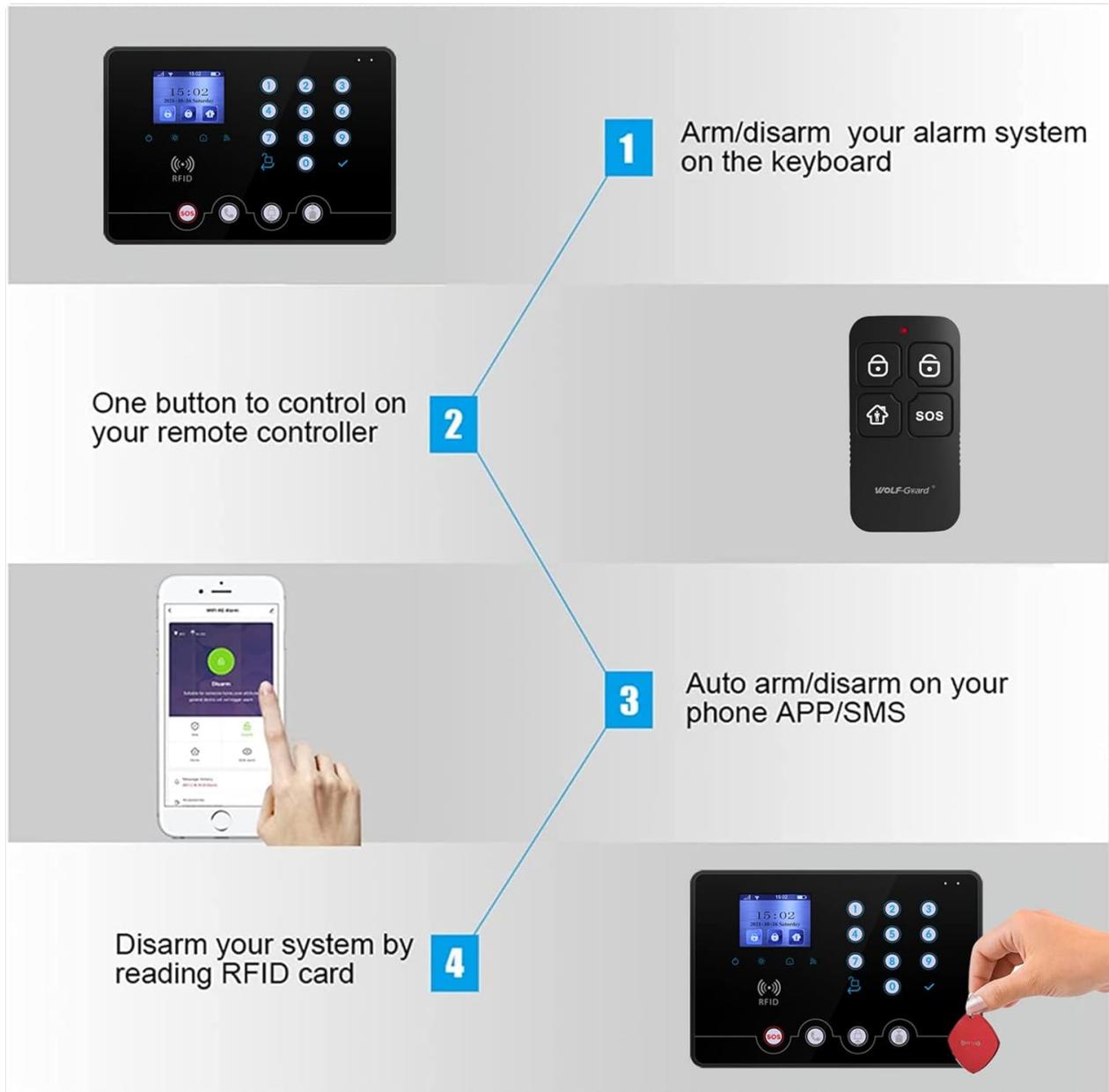


Figure 5.1: Various methods to arm and disarm the alarm system, including keypad, remote, APP, and RFID card.

## 5.2 Zone Types

The system supports different zone attributes to suit various security needs:

- **24-Hour Zone:** Always active, even when the system is disarmed (e.g., smoke detectors, gas leak detectors).
- **Ordinary Zone:** Active when the system is armed (e.g., door/window sensors, PIR motion detectors).
- **Home Defense Zone:** Active when the system is armed in 'Home' mode, allowing free movement in certain areas while securing others (e.g., perimeter sensors).
- **Delay Defense Zone:** Provides an entry/exit delay before triggering an alarm, allowing time to

arm/disarm the system.

### 5.3 Timed Arm/Disarm

You can schedule specific times for the system to automatically arm or disarm:

1. Navigate to the 'Timer' or 'Schedule' settings in the control unit menu or the app.
2. Set desired times for arming (e.g., when leaving for work) and disarming (e.g., when returning home).
3. This feature enhances convenience and ensures the system is always active when needed.

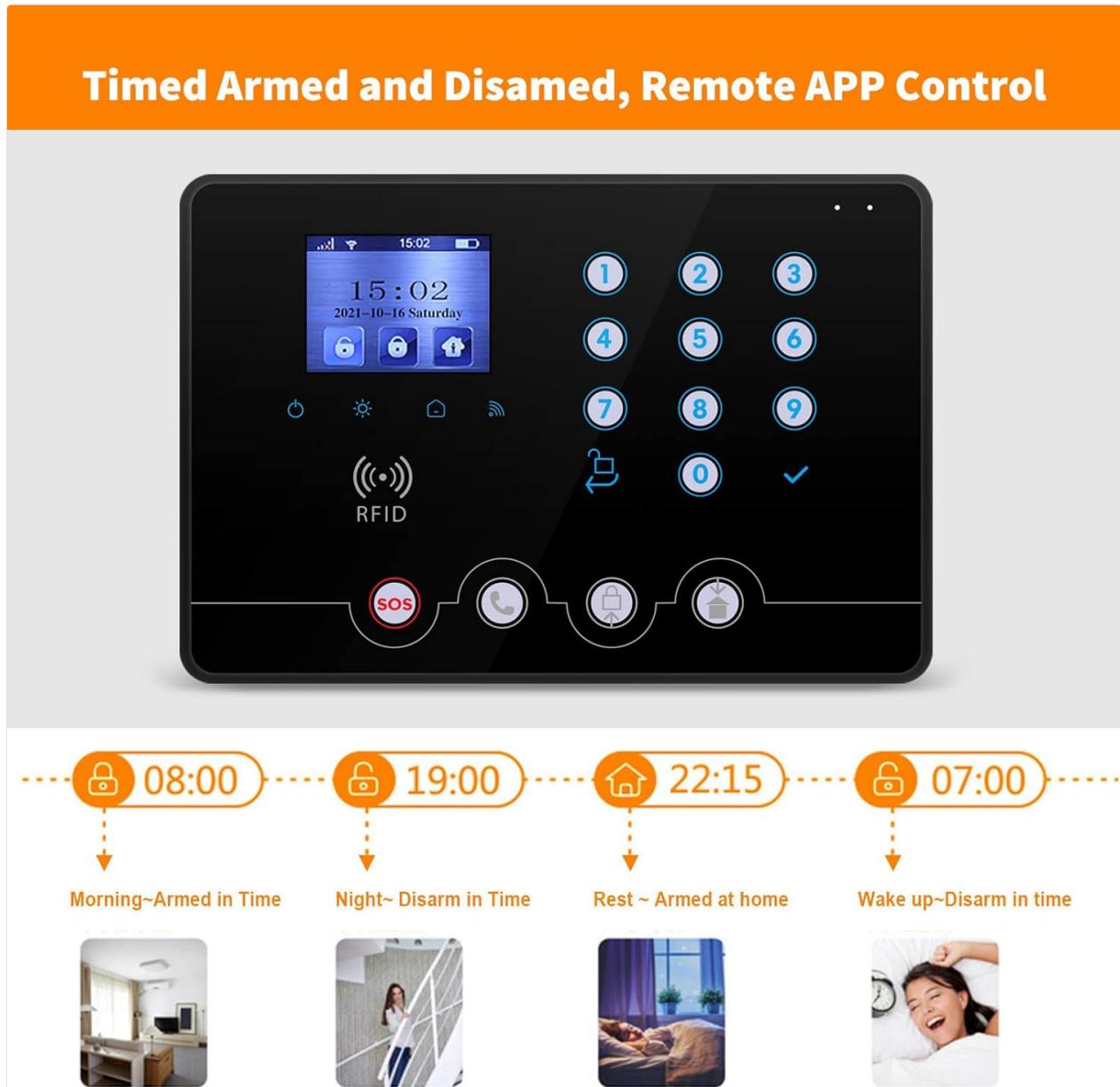


Figure 5.2: Illustration of timed arming and disarming schedules for different parts of the day.

### 5.4 Alarm Notifications

In case of an alarm, the system will notify you through multiple channels:

- **APP Push Notifications:** Instant alerts on your smartphone, indicating the triggered zone.
- **Phone Calls:** The system can dial up to 6 pre-set phone numbers.
- **SMS Messages:** Text messages sent to up to 6 pre-set numbers.
- **Built-in Siren:** The control unit's internal siren will sound. External sirens (if connected) will also activate.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and reliability of your alarm system:

- **Power Supply:** Ensure the control unit is always connected to a stable power source.
- **Backup Battery:** The built-in backup battery provides power during outages. Periodically check its status via the app or control unit. The system will notify you of low battery.
- **Sensor Batteries:** Replace batteries in wireless sensors as indicated by low battery warnings on the control unit or app.
- **Cleaning:** Gently clean the control unit and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Firmware Updates:** Check for and install any available firmware updates via the app to ensure optimal performance and security.

## 7. TROUBLESHOOTING

If you encounter issues with your Wolf-Guard alarm system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
System not connecting to WiFi.	Incorrect WiFi password; weak signal; router issues; 5GHz network.	Verify password; move unit closer to router; restart router; ensure 2.4GHz WiFi is used.
No 4G signal or SMS/call alerts.	SIM card not inserted correctly; no credit/active plan; poor cellular coverage.	Reinsert SIM; check SIM card balance/plan; move unit to an area with better signal.
Sensors not triggering alarm.	Low sensor battery; sensor out of range; sensor not paired correctly; incorrect zone attribute.	Replace sensor battery; move sensor closer to host; re-pair sensor; check zone settings.
Display language is not English.	Default language setting.	Navigate to system settings on the control unit and change the display language to English. Refer to the quick start guide for menu navigation if needed.
APP notifications not received.	App permissions not granted; phone's notification settings; app not running in background.	Check app permissions (notifications, background data); ensure app is allowed to run in background; check phone's notification settings.

If the problem persists, please contact Wolf-Guard customer support for further assistance.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	W4Q-HOST (MR1-HOST)
Dimensions (L x W x H)	20 x 13.6 x 3.1 cm
Color	Black
Power Supply	DC 5V (Adapter included)
Wireless Standard	IEEE 802.11 b/g/n (WiFi), 433.92 MHz (RF)
RF Distance	Up to 70m / 229.7ft (open air)
Operating Temperature	-10°C to +50°C
Backup Battery	Built-in (prevents sudden power failure)
Compatible Devices	Smartphone (Android/iOS via Smartlife/Tuya App)

## 9. WARRANTY AND SUPPORT

Wolf-Guard products are designed for reliability and performance. For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance, or any inquiries regarding your Wolf-Guard W4Q-Host MR1-HOST alarm system, please contact Wolf-Guard customer service. Contact details can typically be found on the product packaging, the official Wolf-Guard website, or through your purchase platform.