

KERUI W18

KERUI W18 WiFi GSM Alarm System User Manual

Model: W18

1. INTRODUCTION

The KERUI W18 is a comprehensive home intrusion alarm system designed to provide security through both WiFi and GSM connectivity. This system features a user-friendly TFT color screen, voice prompts, and supports up to 99 wireless zones. It allows for remote control via a smartphone application and sends alerts through calls, SMS, and app push notifications. This manual provides detailed instructions for setting up, operating, and maintaining your KERUI W18 alarm system.

2. PACKAGE CONTENTS

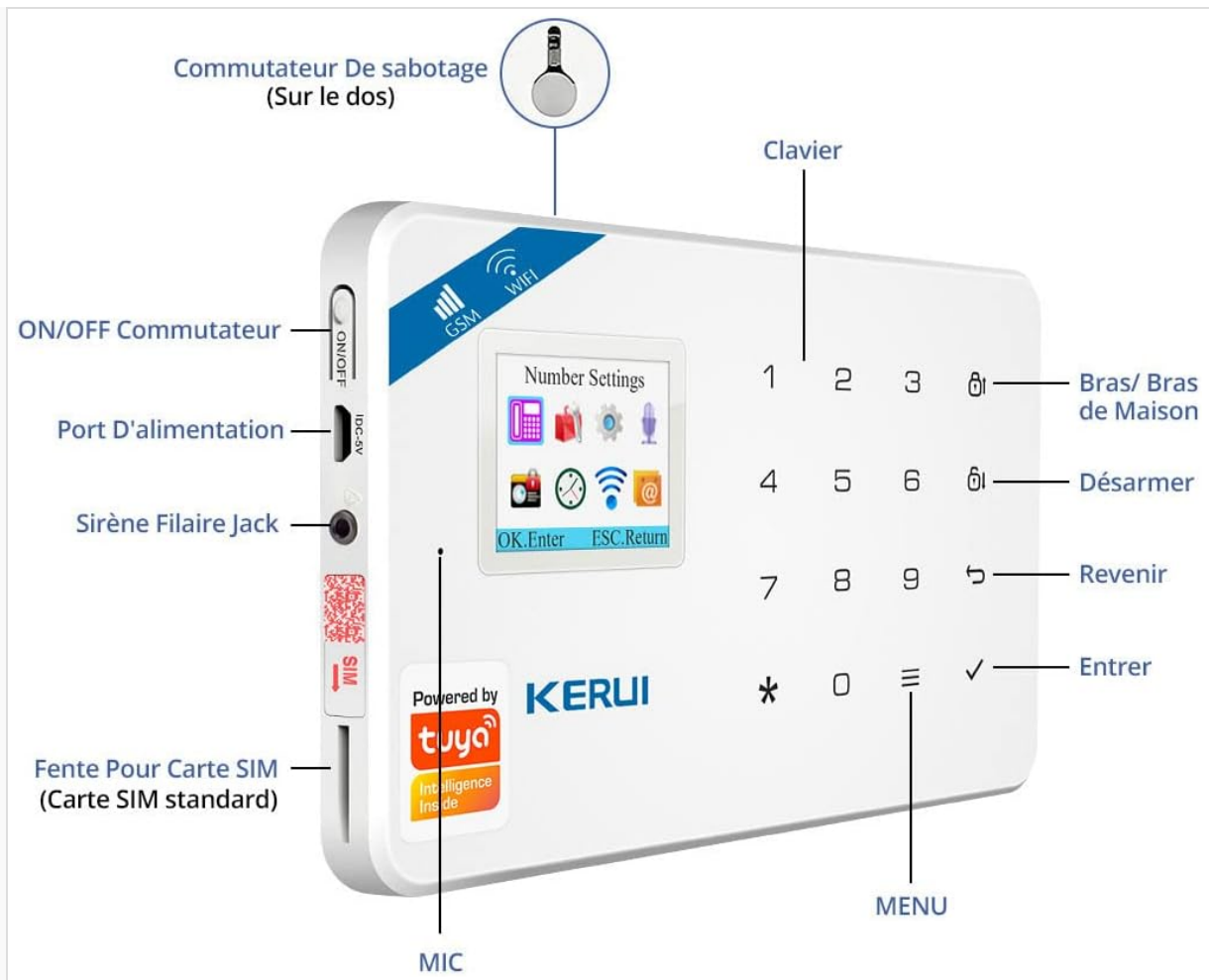
Please verify that all items are present in your package:

- 1 x KERUI W18 Alarm Panel / Control Unit (SIM card not included)
- 2 x Wireless Door/Window Sensors (each requires 1 x 23A 12V battery)
- 1 x Wireless PIR Motion Detector (requires 3 x AAA batteries)
- 2 x Remote Controls
- 1 x Wired Siren
- 1 x EU Power Adapter for Alarm Panel
- 1 x English User Manual

3. PRODUCT OVERVIEW

3.1. Alarm Panel Components

Familiarize yourself with the main components of your KERUI W18 alarm panel:



This image displays the KERUI W18 alarm panel, highlighting its key components. On the front, you can see the TFT color screen, the numeric keypad (1-9, *, 0, #), and function buttons like 'OK. Enter', 'ESC. Return', 'Arm/Home Arm', 'Disarm', 'Return', and 'Enter'. The side view shows the ON/OFF switch, power port (DC 5V), wired siren jack, SIM card slot, and a microphone (MIC). A tamper switch is located on the back.

- **TFT Color Screen:** Displays system status, menus, and settings.
- **Keypad:** For entering codes and navigating menus.
- **Function Buttons:**
 - **OK. Enter:** Confirms selections.
 - **ESC. Return:** Goes back to the previous menu.
 - **Arm/Home Arm:** Activates the alarm system.
 - **Disarm:** Deactivates the alarm system.
 - **Return:** Navigates back.
 - **Enter:** Confirms input.
- **ON/OFF Switch:** Powers the unit on or off.
- **Power Port (DC 5V):** Connects to the power adapter.
- **Wired Siren Jack:** Connects the included wired siren.
- **SIM Card Slot:** For inserting a 2G GSM SIM card.
- **MIC:** Microphone for two-way intercom functionality.
- **Tamper Switch (on back):** Triggers an alarm if the panel is removed from its mounting.

4. SETUP

4.1. Powering the Alarm Panel

1. Connect the provided EU power adapter to the DC 5V power port on the side of the alarm panel.
2. Plug the adapter into a standard wall outlet.
3. Flip the ON/OFF switch to the "ON" position. The panel will power on.

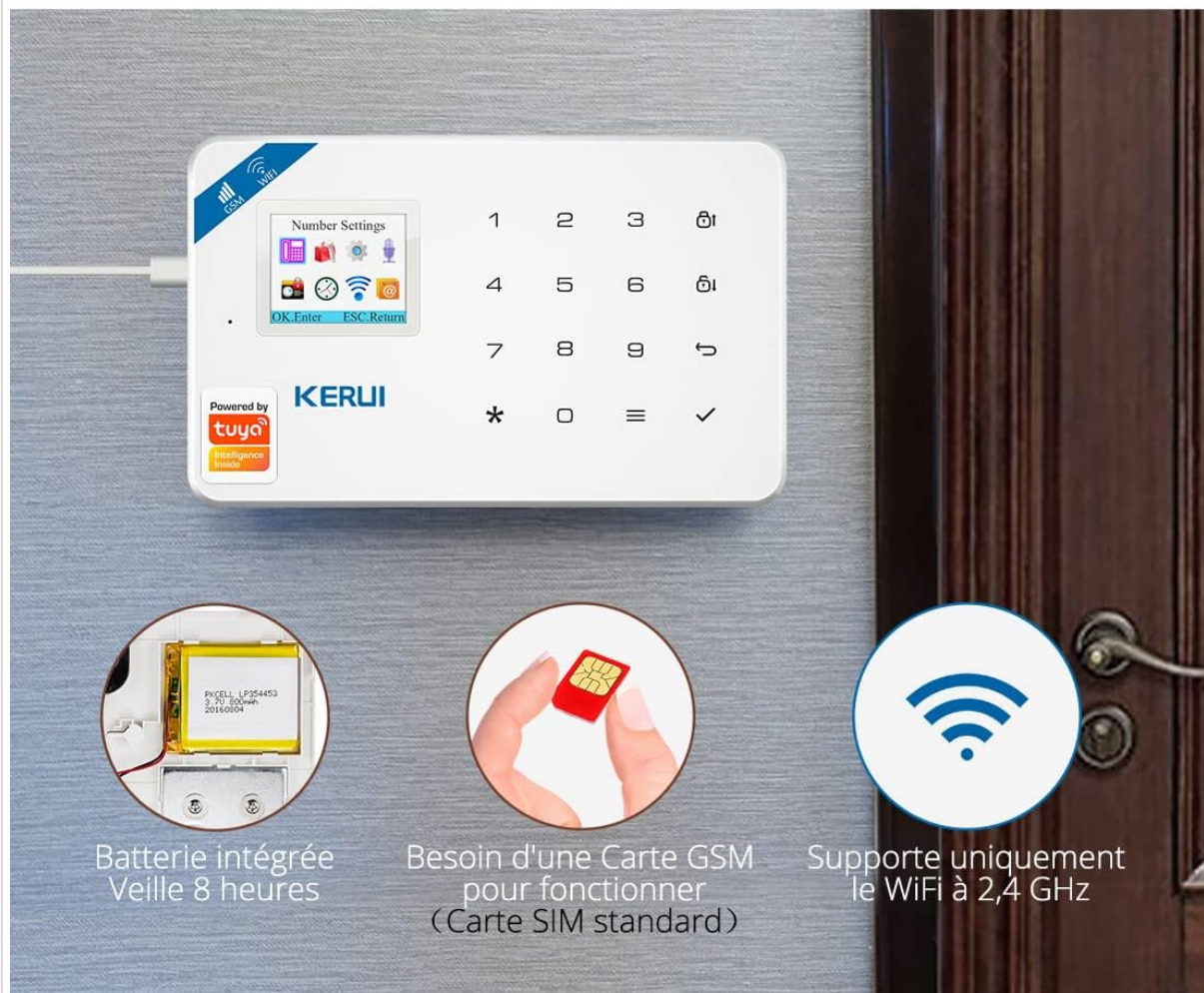
4.2. SIM Card Installation (Optional)

For GSM functionality (calls and SMS alerts), a standard 2G GSM SIM card is required. Ensure the SIM card's PIN code is disabled before insertion.

1. Locate the SIM card slot on the side of the alarm panel.
2. Carefully insert a standard 2G GSM SIM card into the slot until it clicks into place.
3. The system supports GSM850/900/1800/1900MHz frequencies.

WiFi & GSM Système D'alarme Double Fonction

Ce système d'alarme utilise une carte SIM 2G (GSM850 / 900/1800 / 1900MHz) et prend en charge uniquement le WiFi à 2,4 GHz



This image illustrates the dual functionality of the KERUI W18 system, supporting both 2G GSM (GSM850/900/1800/1900MHz) and 2.4 GHz WiFi connectivity. It shows the integrated battery for 8 hours of standby, the requirement for a standard 2G GSM SIM card, and exclusive support for 2.4 GHz WiFi networks.

4.3. Sensor Battery Installation

Install batteries into the wireless sensors:

- **Door/Window Sensors:** Each sensor requires one 23A 12V battery. Slide open the back cover, remove any protective cardboard, insert the battery, and close the cover.

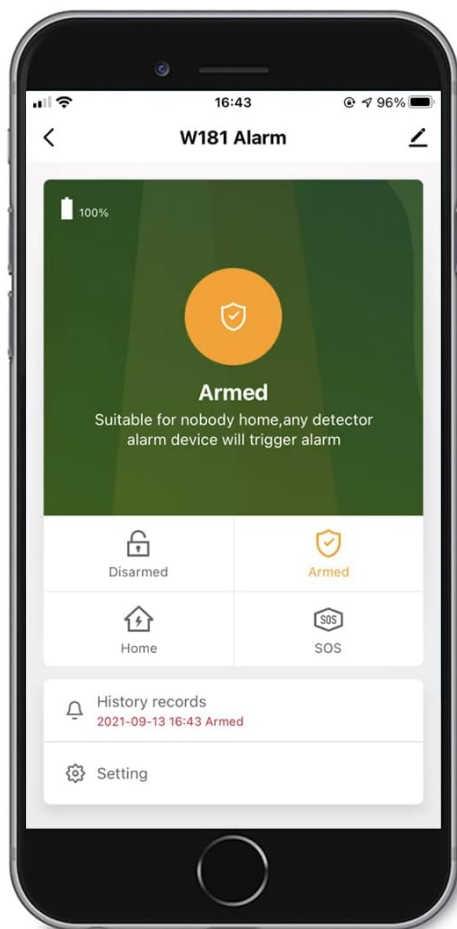
- **PIR Motion Detector:** Requires three AAA batteries. Open the battery compartment, insert the batteries with correct polarity, and close the compartment.

4.4. App Installation and Wi-Fi Connection

The KERUI W18 system connects to your smartphone via the "Tuya Smart" application. The system only supports 2.4 GHz WiFi networks (not compatible with 5 GHz WiFi).

1. **Download the App:** Search for "Tuya Smart" in the Apple App Store or Google Play Store, or scan the QR codes provided in the image below to download and install the application on your smartphone.
[Tuya Smart App \(iOS\)](#)
2. **Connect Phone to 2.4 GHz WiFi:** Ensure your smartphone is connected to a 2.4 GHz WiFi network (802.11b/g/n).
3. **Panel WiFi Configuration:** On the alarm panel, navigate to the configuration menu, select **[Paramètre WiFi]** (WiFi Settings), then press the button for **[1. WiFi Config]**.
4. **Connect via App:** In the "Tuya Smart" application, select your WiFi network and enter its password. The alarm panel will then connect to your smartphone via WiFi.

COMMENT CONNECTER W181 À 2,4 GHz WiFi



1. Recherchez "tuya smart" dans l'App Store/ Google Play, scannez les codes QR pour télécharger l'application sur votre smartphone et installez-la.



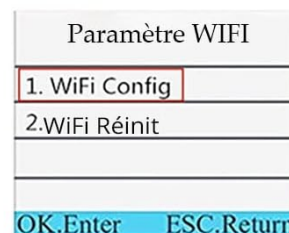
IOS



Android

2. Connectez votre téléphone à 2,4 GHz WiFi (802.11b/g/n)

3. Dans le Panneau de configuration, accédez à [Paramètre WiFi], puis appuyez sur le bouton 1 [WiFi Config].



4. Dans l'application, sélectionnez votre WiFi, et entrez le mot de passe WiFi. (Le mot de passe n'inclut aucun caractère spécial)

This image provides a step-by-step guide for connecting the W18 alarm system to a 2.4 GHz WiFi network. It instructs users to download the 'Tuya Smart' app (available on App Store/Google Play via QR codes), connect their phone to 2.4 GHz WiFi, access 'WiFi Config' in the panel's settings, and enter the WiFi password in the app.

4.5. Pairing Sensors (if not pre-paired)

The included sensors and remote controls are typically pre-paired with the main panel. If you add new sensors or need to re-pair existing ones, refer to the panel's menu for adding wireless accessories. Each sensor is assigned to a specific zone.

5. OPERATING INSTRUCTIONS

5.1. Arming and Disarming the System

The system can be armed or disarmed using the alarm panel, remote controls, or the "Tuya Smart" application.

- **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 within the property (e.g., PIR sensors in "HOME" zone attribute can be bypassed).
- **Disarm:** Deactivates the alarm system.

5.2. Zone Types

The system supports 99 wireless zones and 8 types of defense zones, which can be independently defined and named via the app:

- **Normal:** Standard zone, triggers alarm immediately.
- **Stay (Séjour):** Typically used for Home Arm mode, sensors in this zone are bypassed.
- **Intelligent:** May have a delay or require multiple triggers.
- **Emergency:** Triggers immediate alarm (e.g., panic button).
- **Close:** Specific use case, often for normally closed circuits.
- **Doorbell:** Triggers a doorbell chime instead of an alarm.
- **Welcome:** Triggers a welcome chime.
- **Help:** Triggers a silent or audible alarm for assistance.

Each zone can have its siren ON/OFF status configured.

5.3. Scheduling Arm/Disarm

You can program up to 4 sets of timed arming and disarming schedules to automate your security routine.

PROGRAMME ARMER / DÉSARMER

Programmez 4 séries de minutage pour armer / désarmer selon vos besoins



This image shows the scheduling feature of the KERUI W18 system, allowing users to program up to 4 sets of timed arming and disarming schedules. Examples include arming at 08:00 when leaving for work, disarming at 19:10 after work, arming at 22:15 for bedtime, and disarming at 06:00 upon waking.

5.4. Receiving Alerts and Two-Way Intercom

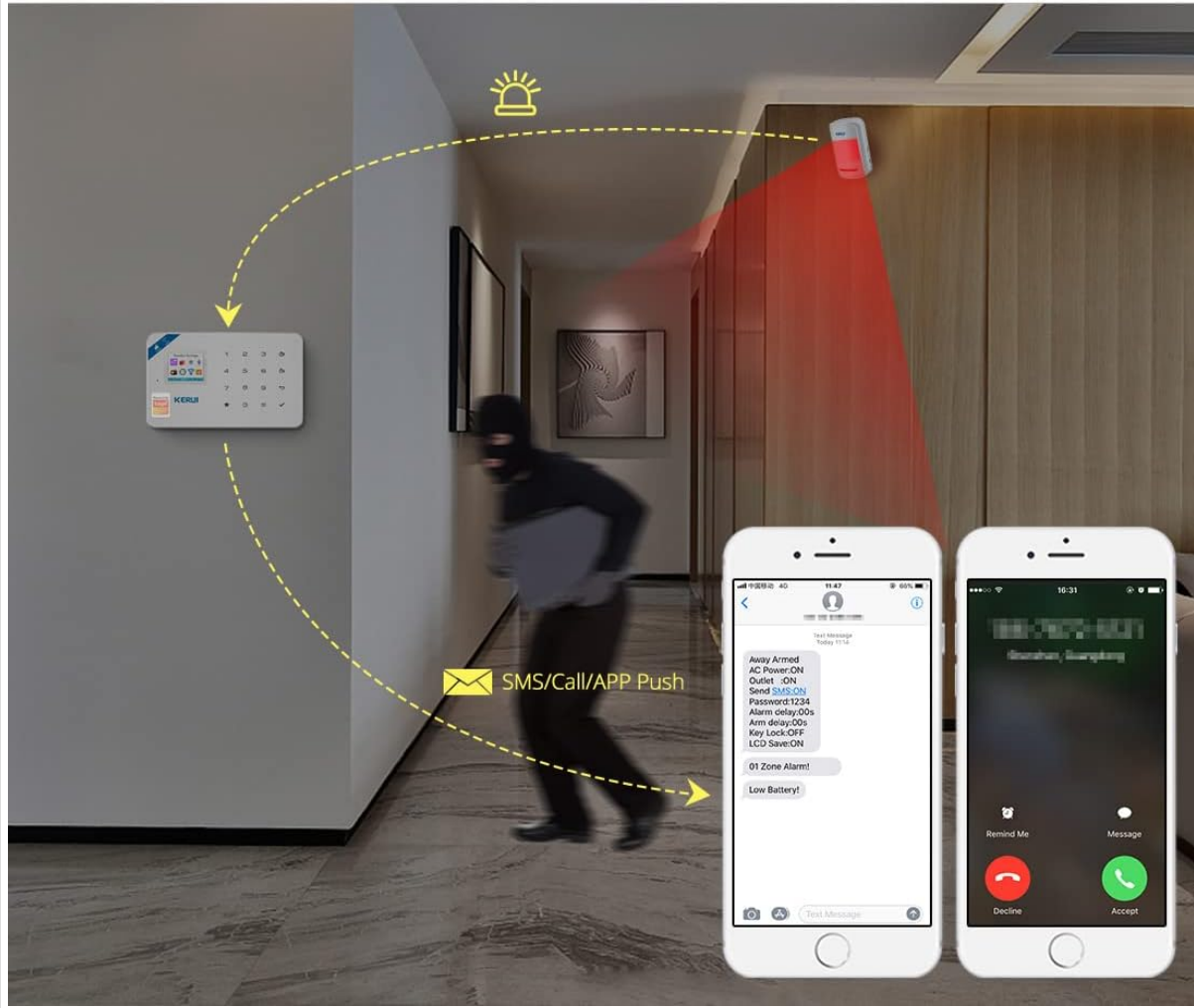
When an alarm is triggered, the system will notify you through multiple channels:

- **SMS Alerts:** Sends text messages to up to 6 pre-defined numbers, indicating the alarm zone.
- **Phone Calls:** Dials up to 6 pre-defined numbers. The system includes a 10-second automatic message recording with artificial voice, allowing you to identify the alarm location and zone when you receive the call.
- **App Push Notifications:** Sends instant alerts to your smartphone via the "Tuya Smart" app.

The system also supports a two-way intercom feature, allowing you to communicate remotely through the alarm panel after receiving an alarm call.

Alarme Précise

Lorsque les détecteurs sont déclenchés, l'hôte s'alarme et vous informe par SMS / appel / APP



This image demonstrates how the KERUI W18 system provides precise alarm notifications. When a detector is triggered, the host unit activates the alarm and informs you via SMS, phone call, and mobile application push notifications. This ensures you receive immediate alerts regardless of your location.

5.5. Event Log

The alarm panel can display the latest 72 arm/disarm records and 102 alarm records, allowing you to review system activity.

6. MAINTENANCE

6.1. Battery Replacement

Sensors are battery-powered. Replace batteries when the system indicates a low voltage warning. Refer to section 4.3 for battery types and installation.

- **Door/Window Sensors:** 23A 12V battery.
- **PIR Motion Detector:** AAA batteries (x3).

6.2. Low Voltage Indication

The system provides a low voltage indication for sensors, prompting you to replace batteries before they run out completely.

6.3. Anti-Tamper Protection

The main panel includes an anti-tamper switch. If the panel is unauthorizedly removed from its mounting, it will trigger an alarm.

7. TROUBLESHOOTING

- **System not connecting to WiFi:**
 - Ensure your WiFi network is 2.4 GHz, not 5 GHz.
 - Verify the WiFi password entered in the app is correct.
 - Check the signal strength of your WiFi at the alarm panel's location.
 - Restart the alarm panel and your WiFi router.
- **GSM calls/SMS not working:**
 - Ensure a standard 2G GSM SIM card is correctly inserted.
 - Verify the SIM card has credit and its PIN code is disabled.
 - Check for GSM signal strength on the panel.
 - Confirm the emergency contact numbers are correctly programmed.
- **False alarms:**
 - Check PIR motion detector placement to avoid direct sunlight, heat sources, or drafts that might cause false triggers.
 - Ensure door/window sensors are securely mounted and aligned.
 - Verify zone settings in the app to ensure correct configuration (e.g., delay zones).
- **Sensors not responding:**
 - Check and replace sensor batteries if necessary.
 - Ensure sensors are within the wireless range (up to 100 meters in open areas).
 - Re-pair the sensor with the main panel if connection is lost.

8. SPECIFICATIONS

Feature	Specification
Input Voltage	USB 5V
Standby Current	<300mA
Wireless Frequency	433MHz
GSM Support	GSM850/900/1800/1900MHz
WiFi Module Support	2.4G (802.11b/g/n)
Backup Battery	3.7V 800mA Lithium Battery (approx. 4 hours standby)
Alarm Level	80dB (internal siren) / 120dB (wired siren)
Wireless Distance	100 meters (in open area)

Feature	Specification
Number of Zones	99 wireless zones
Max Sensors	Up to 150 wireless sensors
Compatible Devices	Smartphone, Tablet

9. WARRANTY AND SUPPORT

KERUI provides free lifetime technical support for its products. For any questions or assistance, please contact KERUI customer service. The system is designed for 24/7 professional monitoring without requiring a contract.