Garosa Garosa4guxb0csi8

Garosa RL2-WLTE Smart 4G GSM Gate Opener User Manual

Model: RL2-WLTE (Garosa4guxb0csi8)

Introduction

This manual provides comprehensive instructions for the Garosa RL2-WLTE Smart 4G GSM Gate Opener. This device allows remote control of gates, doors, and other electrical appliances via 4G GSM networks. Please read this manual thoroughly before installation and operation to ensure proper use and safety.

The Garosa RL2-WLTE is designed with a durable aluminum casing and offers high signal sensitivity, anti-interference capabilities, and stability for various applications, including agriculture, factory automation, and base station lighting.

Package Contents

- 1 x Relay Switch Unit
- 1 x User Manual (this document)
- 1 x Signal Receiving Antenna
- 1 x Power Plug

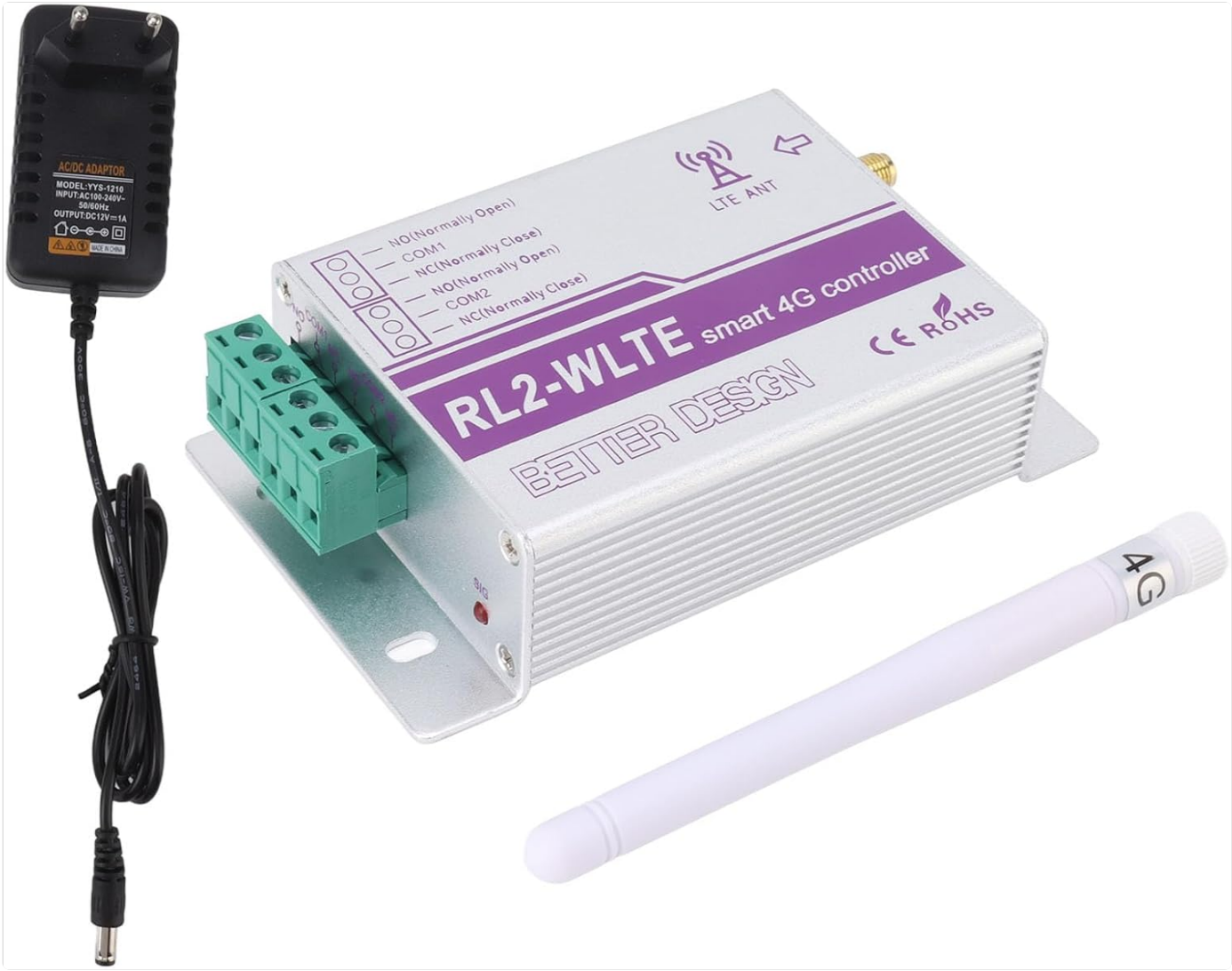

Image: Garosa RL2-WLTE Smart 4G GSM Gate Opener with its included accessories: the main unit, an antenna, and a power adapter.

Specifications

Feature	Description
Item Type	GSM Gate Opener
Material	Aluminum
4G Frequency	B1/B3/B5/B7/B8/B20
GSM Frequency	900/1800 MHZ
SIM Interface	Standard SMA Interface
Output	Normally Open (NO) and Normally Closed (NC)
Model Number	Garosa4guxb0csi8 (RL2-WLTE)
Brand	Garosa
Country of Origin	China

Product Overview

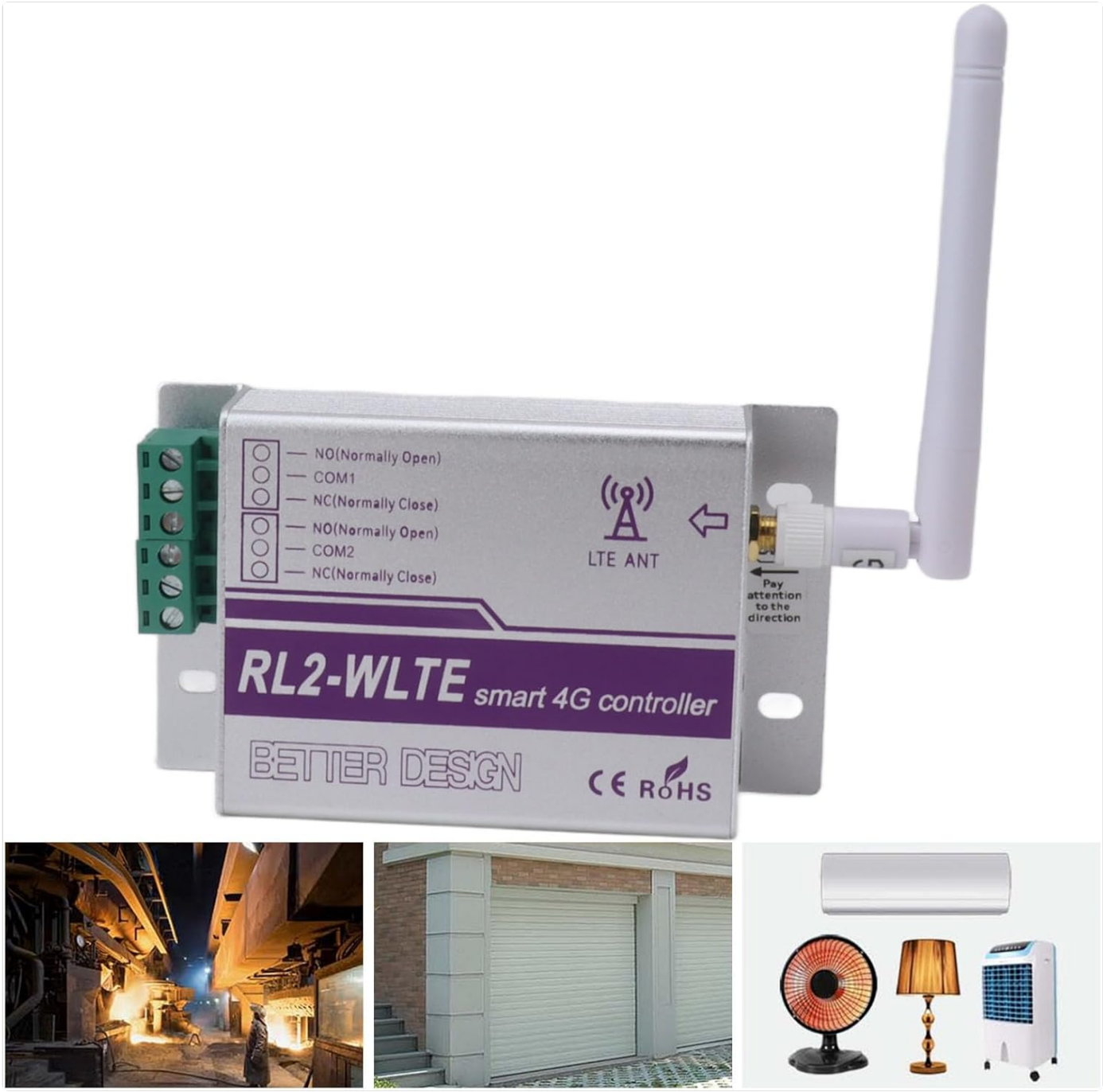

Image: Front view of the Garosa RL2-WLTE Smart 4G GSM Gate Opener, highlighting the terminal blocks for connections, the LTE antenna port, and the "RL2-WLTE smart 4G controller" label.

The Garosa RL2-WLTE Smart 4G GSM Gate Opener is a compact device designed for remote control applications. It features terminal blocks for connecting external devices, an LTE antenna for signal reception, and a SIM card slot for network connectivity.

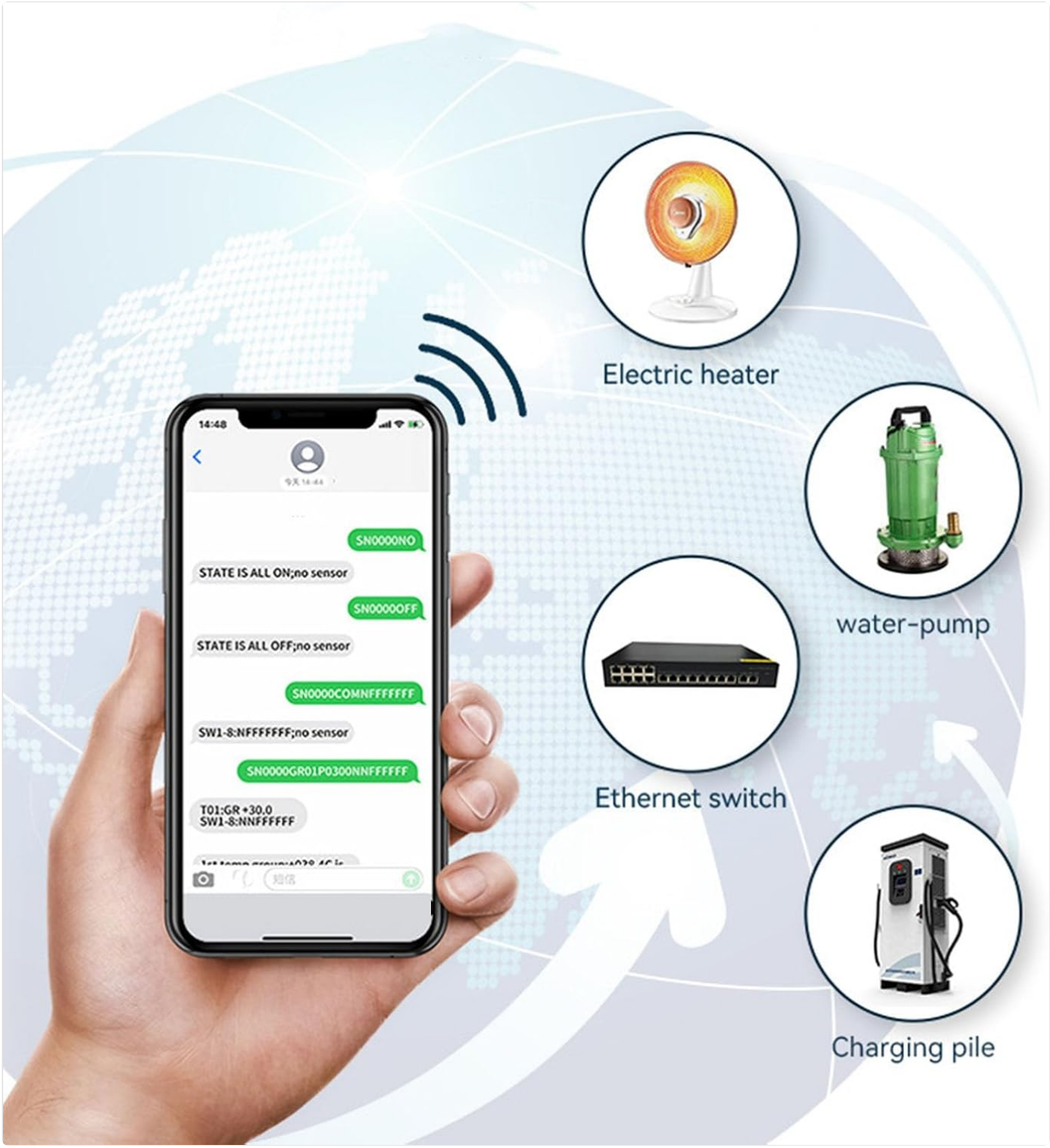

Image: Side view of the Garosa RL2-WLTE Smart 4G GSM Gate Opener, showing the power input port, two switches (SW1, SW2), and the SIM card slot with an arrow indicating insertion direction.

On the side, the unit includes a power input port, two control switches (SW1, SW2), and a SIM card slot. Ensure the SIM card is inserted correctly as indicated by the arrow.

Setup

1. SIM Card Installation

1. Ensure the device is powered off.
2. Locate the SIM card slot on the side of the unit.
3. Insert a standard SIM card into the slot, following the direction indicated by the arrow. Ensure it clicks into place.
4. Verify the SIM card is active and has a valid 4G/GSM plan.

2. Antenna Connection

1. Connect the provided signal receiving antenna to the "LTE ANT" port on the device.
2. Tighten the connection securely.
3. Position the antenna for optimal signal reception.

3. Power Connection

1. Connect the power adapter to the power input port on the device.
2. Plug the power adapter into a suitable power outlet.
3. The device will power on, and indicator lights (if present) will illuminate.

4. Wiring External Devices

The device provides Normally Open (NO) and Normally Closed (NC) relay outputs for controlling external devices. Refer to the terminal block labels for correct wiring.

- **NO (Normally Open):** The circuit is open when the relay is inactive and closes when activated.
- **NC (Normally Closed):** The circuit is closed when the relay is inactive and opens when activated.
- **COM (Common):** The common terminal for the relay switch.

Image: Close-up of the terminal blocks on the Garosa RL2-WLTE, clearly showing labels for NO (Normally Open), COM (Common), and NC (Normally Closed) for two separate relay channels (COM1, COM2).

Connect your gate opener, light, or other electrical appliance to the appropriate NO/NC and COM terminals based on your application's requirements.

Operating Instructions

1. Authorizing Users

To control the device, phone numbers must be authorized. This is typically done by sending an SMS command to the device's SIM card number or by calling the device from an authorized number. Refer to the specific SMS command structure provided in the full user manual for adding/removing authorized numbers.

2. Remote Control via Call

Once your phone number is authorized, you can activate the relay by calling the SIM card number inserted in the device. The device will recognize the authorized number, activate the relay, and then reject the call without answering, incurring

no call charges.

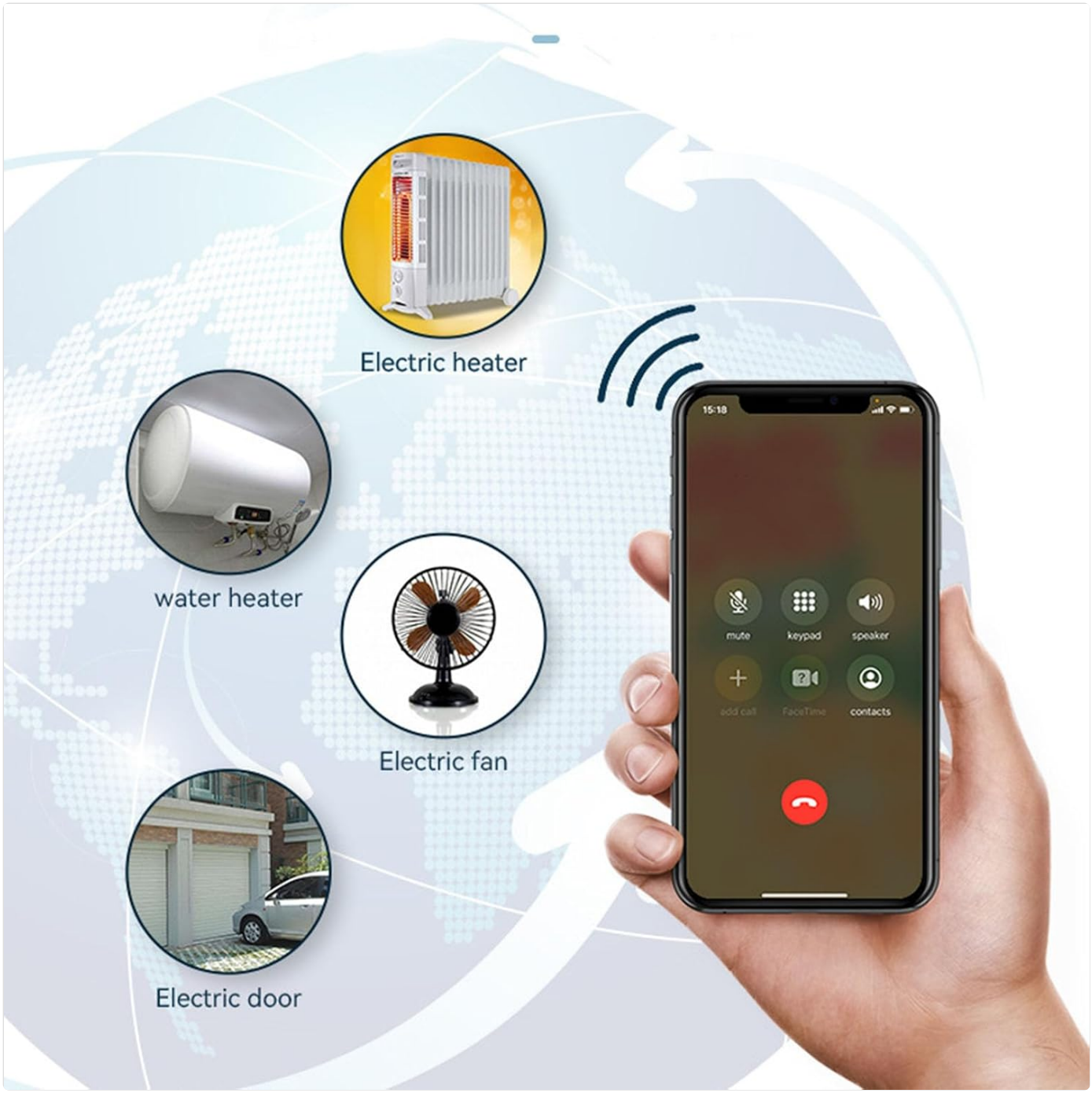

Image: A diagram illustrating remote control via a smartphone call, showing the phone connected wirelessly to various appliances like an electric door, water heater, electric fan, and electric heater.

3. Remote Control via SMS

The device also supports control via SMS commands. Specific commands can be sent to the device's SIM card number to perform actions such as activating/deactivating relays, checking status, or configuring settings. Consult the full user manual for a list of available SMS commands.

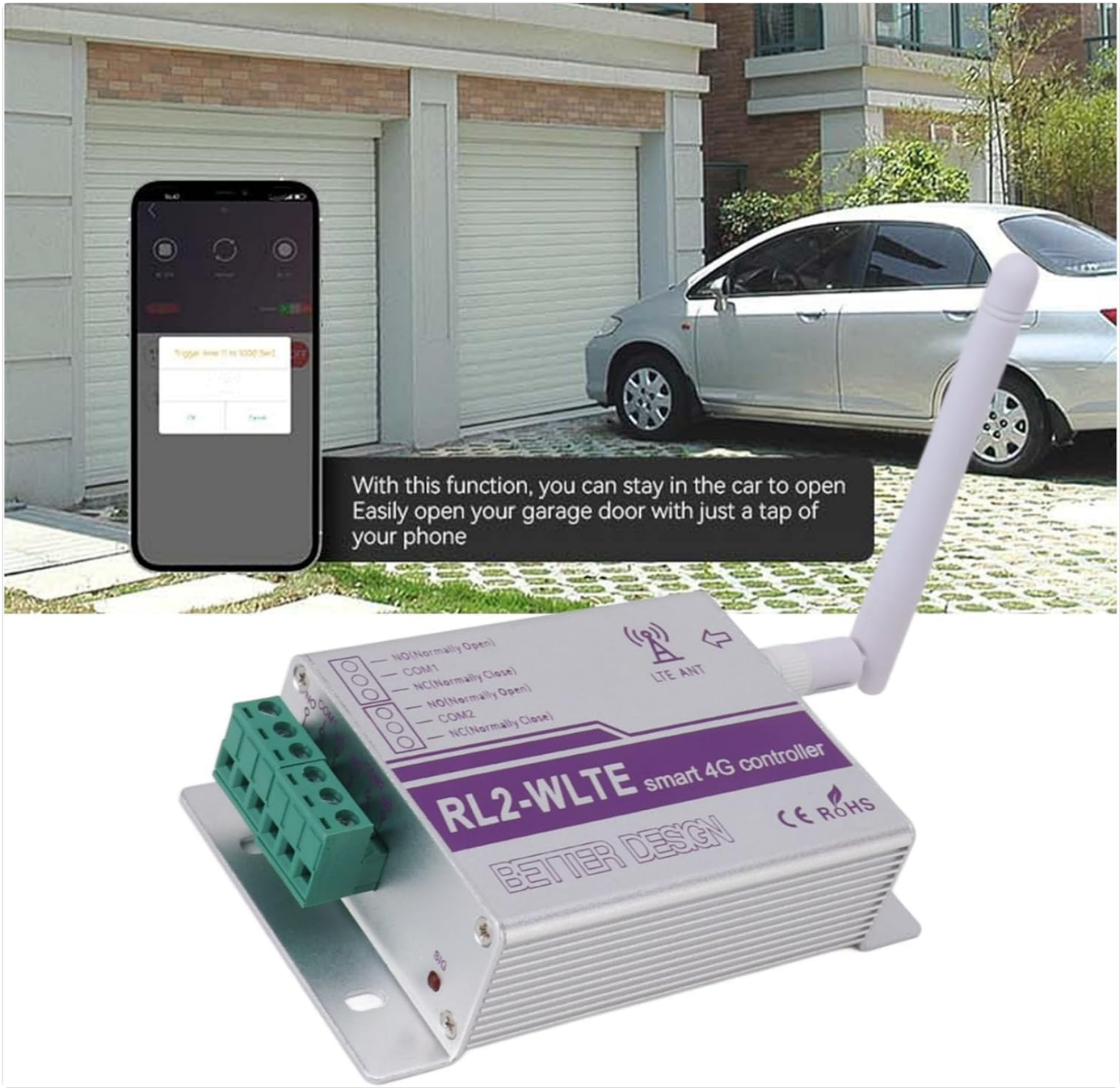

Image: A diagram illustrating remote control via SMS messages from a smartphone, showing the phone sending commands to devices such as an electric heater, water pump, Ethernet switch, and charging pile.

4. Typical Applications

- **Gate/Door Access Control:** Open or close gates and garage doors remotely.
- **Industrial Automation:** Control machinery or lighting in factories.
- **Agricultural Use:** Manage irrigation systems or ventilation in greenhouses.
- **Remote Power Control:** Turn on/off lights, heaters, or other electrical appliances.

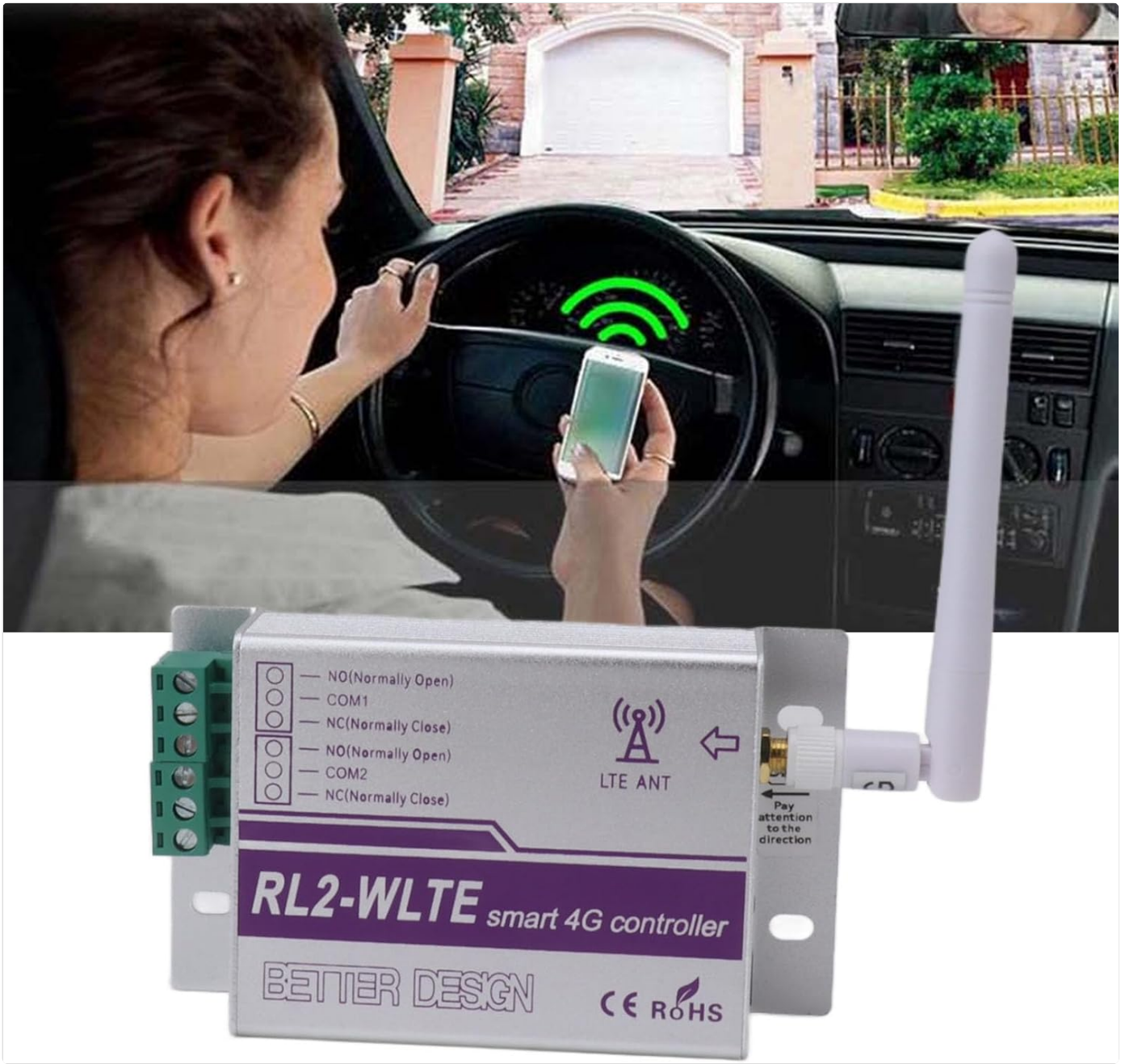

Image: A composite image featuring the Garosa RL2-WLTE device alongside visual examples of its diverse applications, including industrial settings, residential garage doors, and control of household appliances.

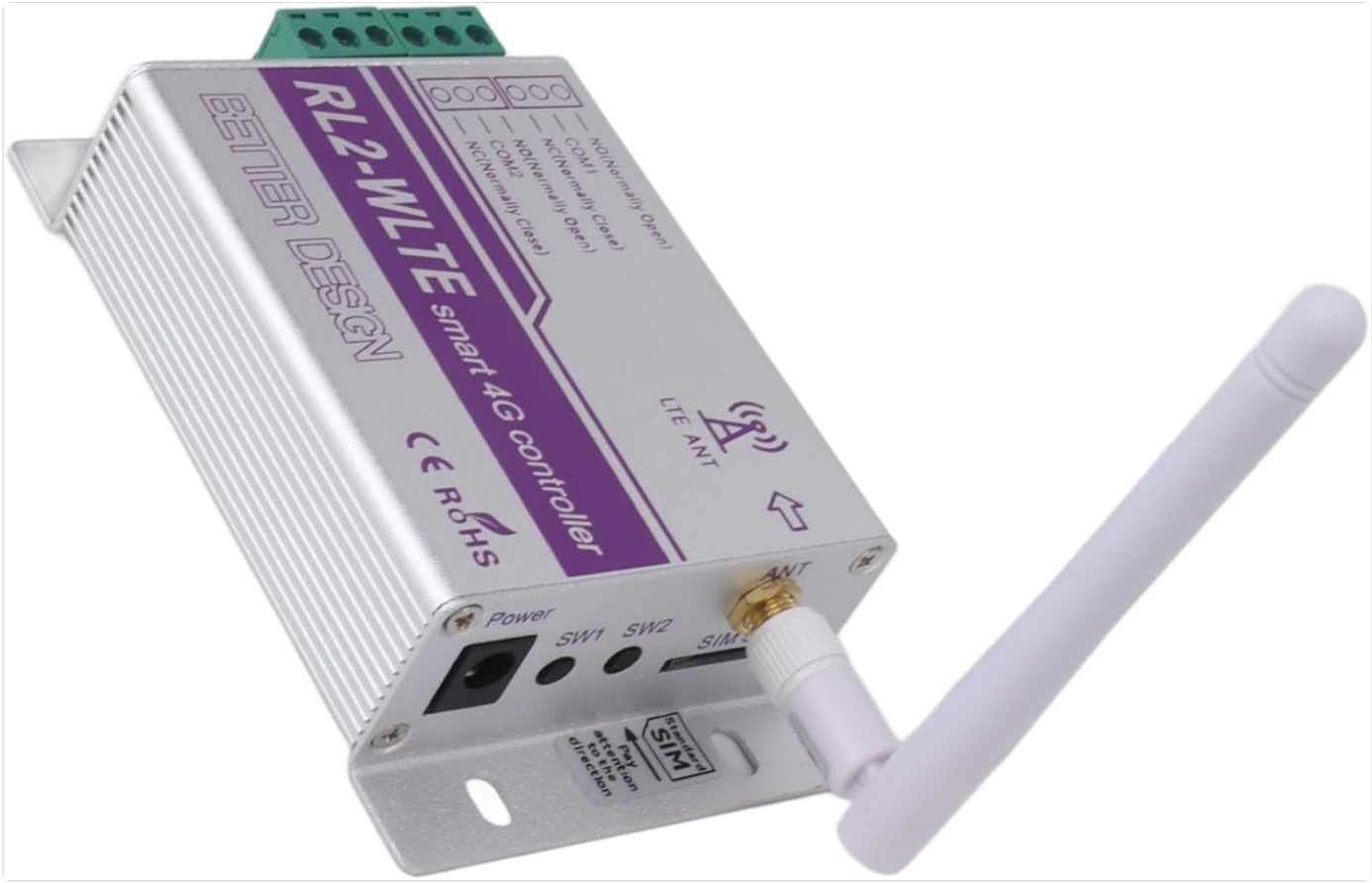

Image: A composite image showcasing the Garosa RL2-WLTE device in various application environments, such as a cell tower, agricultural greenhouses, and renewable energy installations like wind turbines and solar panels.

Maintenance

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Antenna:** Ensure the antenna is securely connected and positioned for optimal signal. Avoid bending or damaging the antenna.
- **Power Supply:** Use only the provided power adapter. Ensure the power source is stable and within the specified voltage range.
- **SIM Card:** Periodically check the SIM card's validity and ensure it has sufficient credit/data for operation.
- **Environment:** Install the device in a dry, well-ventilated area, away from extreme temperatures, direct sunlight, and moisture.

Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	No power supply; faulty adapter; loose connection.	Check power adapter and outlet. Ensure connections are secure.
Cannot control device via call/SMS.	Unauthorized number; no SIM signal; SIM card issues (expired, no credit); incorrect SMS command.	Ensure your number is authorized. Check SIM card status and signal strength. Verify SMS commands.
Relay does not activate.	Incorrect wiring; faulty external device; relay malfunction.	Verify wiring connections (NO/NC/COM). Test the external device independently.

Poor signal reception.	Antenna not connected properly; poor network coverage; environmental interference.	Ensure antenna is securely connected. Relocate the device or antenna for better signal.

Warranty Information

The manufacturer guarantees this product for 90 days from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

For warranty claims, please retain your proof of purchase and contact Garosa customer support.

Support

For technical assistance, troubleshooting, or further inquiries, please refer to the official Garosa website or contact their customer support channels. Detailed contact information can typically be found on the product packaging or the manufacturer's website.

Manufacturer: Garosa

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ASIN: B0G35RC329