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› Carpango Smart WiFi RF433 Wireless Thermostat 2296324949 User Manual

Carpango 2296324949

Carpango Smart WiFi RF433 Wireless Thermostat

MODEL: 2296324949 - USER MANUAL

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Carpango Smart WiFi RF433 Wireless Thermostat. Please read this manual thoroughly before use to ensure proper function, safety, and to maximize the benefits of your new thermostat. This device is designed for controlling water heating systems, specifically gas boilers.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation should be performed by a qualified electrician or heating engineer to prevent electric shock or damage to the heating system. Always disconnect power before installation or maintenance.
- **Voltage:** Ensure the operating voltage (230V) matches your electrical supply.
- **Placement:** Do not install the thermostat in areas with direct sunlight, drafts, or near heat sources, as this can affect temperature readings.
- **Children:** Keep the device out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Smart Thermostat Unit
- 1 x Receiver Unit
- 1 x User Manual

4. PRODUCT OVERVIEW

The Carpango Smart WiFi RF433 Wireless Thermostat consists of two main components: the thermostat unit (display and controls) and the receiver unit (connects to the boiler).

Boiler thermostat

Support remote control operation

USB / battery



Figure 4.1: Smart Thermostat and Receiver. The thermostat can be powered by USB or batteries.

4.1 Thermostat Unit

The thermostat unit features a clear display showing current temperature, set temperature, time, and operating mode. It includes touch buttons for power, mode selection, and temperature adjustment.



Figure 4.2: Front view of the Thermostat Unit with display and control buttons.

4.2 Receiver Unit

The receiver unit connects directly to your boiler and communicates wirelessly with the thermostat unit via RF433. It typically has indicator lights for power, output, and wireless connection status.



Figure 4.3: Thermostat and Receiver Units.

5. SETUP AND INSTALLATION

5.1 Receiver Installation and Wiring

1. **Power Disconnection:** Before any wiring, ensure the main power supply to your heating system is turned off at the circuit breaker.
2. **Mounting:** Mount the receiver unit near your boiler. It is recommended to place it in an accessible location for wiring.
3. **Wiring:** Connect the receiver to your boiler according to the boiler's wiring diagram and local electrical codes. This typically involves connecting live, neutral, and switched live wires. *If you are unsure, consult a qualified electrician.*
4. **Power On:** Once wiring is complete and secure, restore power to the heating system. The receiver's power indicator should light up.

5.2 Thermostat Unit Placement and Power

1. **Placement:** The thermostat unit can be wall-mounted or placed on a desktop. Choose a central location in the room you wish to control, away from direct heat sources, drafts, or direct sunlight. The wireless range between the thermostat and receiver is up to 30 meters.
2. **Wall Mounting:** If wall-mounting, use the provided mounting plate (if applicable) and screws. Ensure the back of the thermostat is securely attached.



Figure 5.1: Back of the Thermostat Unit for wall mounting.

3. **Powering the Thermostat:** The thermostat unit can be powered by either batteries or a USB cable (not simultaneously).
- **Battery Power:** Insert appropriate batteries (e.g., AA or AAA, not specified in input, assume standard) into the battery compartment.
 - **USB Power:** Connect a standard USB cable to the thermostat's USB port and to a suitable USB power adapter (not included).



Figure 5.2: Flexible placement options for the Thermostat Unit (wall-mounted or desktop) and Receiver Unit near the boiler.

5.3 Initial Pairing (if required)

The thermostat and receiver are usually pre-paired. If they are not communicating, refer to the specific pairing instructions in the quick start guide or troubleshooting section. Typically, this involves pressing a pairing button on the receiver and then initiating pairing on the thermostat unit.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press the **Power** button (usually indicated by a  symbol) to turn the thermostat on or off.
- **Adjusting Temperature:** Use the **Up** () and **Down** () arrow buttons to increase or decrease the desired set temperature.
- **Mode Selection:** Press the **Mode** (M) button to cycle through different operating modes (e.g., Manual, Auto/Program, Holiday).

6.2 Programming Schedule

The thermostat supports weekly programming with options for 5+2 days (weekdays + weekend), 6+1 days (Monday-Saturday + Sunday), or 7 days (individual day programming). You can set up to 6 programmable temperature control sections per day.

- 1. Enter Programming Mode:** Typically, press and hold the **Mode** button for a few seconds.
- 2. Set Day/Period:** Use the **Mode** button to select the day or programming period you wish to adjust.
- 3. Set Time and Temperature:** Use the **Up** (▲) and **Down** (▼) buttons to set the start time and desired temperature for each period.
- 4. Save Settings:** Confirm and exit programming mode (refer to on-screen prompts or specific button combinations).

6.3 WiFi Connectivity and App Control

For models with WiFi functionality, you can connect your thermostat to your home WiFi network and control it via a smartphone application.

- 1. Download App:** Download the Tuya Smart or Smart Life app from your smartphone's app store.
- 2. Register/Login:** Create an account or log in to the app.
- 3. Add Device:** Follow the in-app instructions to add your thermostat. This usually involves putting the thermostat into pairing mode (e.g., holding a specific button until a WiFi icon flashes) and connecting it to your 2.4GHz WiFi network.
- 4. Voice Control:** Once connected to the app, the thermostat may support voice control through compatible smart home assistants (e.g., Amazon Alexa, Google Assistant) after linking the Tuya Smart/Smart Life app.

7. MAINTENANCE

- Cleaning:** Wipe the thermostat's display and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Battery Replacement:** If using battery power, replace batteries when the low battery indicator appears on the display. Ensure correct polarity.
- Firmware Updates:** For WiFi models, check the app periodically for any available firmware updates to ensure optimal performance and security.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat display is blank	No power (batteries dead, USB disconnected, receiver power off)	Check batteries or USB connection. Ensure receiver has power and main power to heating system is on.
Heating system not responding	Receiver not powered, receiver not paired with thermostat, wiring issue, boiler fault	Check receiver power and indicator lights. Re-pair thermostat and receiver if necessary. Verify wiring connections. Consult boiler manual.
WiFi connection fails	Incorrect WiFi password, 5GHz network, weak signal, router issues	Ensure correct 2.4GHz WiFi network and password. Move thermostat closer to router. Restart router.
Inaccurate temperature reading	Thermostat placed in unsuitable location (drafts, direct sun, near heat source)	Relocate the thermostat to a more appropriate position.

9. SPECIFICATIONS

Feature	Specification
Brand	Carpango
Model Number	2296324949
Product Material	PC + ABS
Thermostat Dimensions	86 x 86 mm
Color	White
Control Type	Temperature, Remote Control
Temperature Range	5 to 90 °C
Installation Type	Wall mount, Desktop placement
Output Signal	16 mA
Operating Voltage	230 V
Programmable Function	Weekly programming (5+2/6+1/7 days), 6 programmable sections
Connectivity Technology	Wi-Fi, RF433
Power Source	Battery powered, USB cable
Item Weight	400 g

10. WARRANTY AND SUPPORT

Warranty Information: Please refer to your purchase documentation or contact your retailer for specific warranty details regarding this product.

Technical Support: For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact your retailer or the manufacturer directly. Contact information can usually be found on the product packaging or the retailer's website.

ASK A QUESTION ABOUT THIS MANUAL

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Example: How do I reset this device or fix this error?

Details

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