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## SALCAR T9W

# SALCAR T9W RF Smart Thermostat User Manual

Model: T9W

## INTRODUCTION

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The SALCAR T9W RF Smart Thermostat is designed for controlling gas boilers, offering advanced temperature management and energy-saving features. It utilizes stable RF wireless technology for communication between the thermostat and its receiver, ensuring reliable operation. The thermostat features a colorful VA display for clear temperature readings and can connect to the internet to display local weather and outdoor humidity. It is compatible with the Tuya Smart Life app, Amazon Alexa, and Google Home for convenient remote and voice control.

This manual provides detailed instructions for the installation, operation, and maintenance of your SALCAR T9W RF Smart Thermostat.

## PACKAGE CONTENTS

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Before proceeding with installation, please verify that all items listed below are present in your package:

- 1 x SALCAR T9W RF Smart Thermostat
- 1 x RF Receiver
- 1 x Type-C USB Cable
- 1 x Screw Pack for mounting
- 2 x 1.5V AA Alkaline Batteries
- 1 x User Manual (this document)



Image: Contents of the SALCAR T9W RF Smart Thermostat package.

## SETUP

### 1. Receiver Installation

The receiver should be installed near your gas boiler. Ensure it is within a suitable range for the RF signal from the thermostat. The receiver is compatible with most gas boilers operating at 100-240 V, 50/60 Hz, 5 (3) A max. Consult a qualified electrician if you are unsure about the wiring process.

### 2. Thermostat Placement and Power Supply

The SALCAR RF thermostat offers flexible placement options: it can be used as a desktop unit or wall-mounted using the provided screw pack. Choose a location that accurately reflects the room temperature and is away from direct heat sources or drafts.

The thermostat can be powered by two 1.5V AA alkaline batteries (included) or via the Type-C USB cable (included) for continuous power.

# Two Power Supply Methods

1 USB powered  
(Type C interface)

2 Battery powered supply  
2 x 1.5V alkaline AA batteries (included)



Image: Two power supply methods for the thermostat: USB and battery.

## 3. RF Pairing

The thermostat and receiver communicate wirelessly via RF. They are typically pre-paired. If re-pairing is necessary, refer to the specific instructions in the included quick start guide for your model. Ensure the thermostat is within the 200m control distance from the receiver without significant obstacles.

# 433MHz RF Signal

200m control distance without obstacle



Image: RF wireless communication between the thermostat and receiver, illustrating the 200m control range.

## 4. Wi-Fi Connection and App Integration

To enable smart features, connect your thermostat to your home Wi-Fi network (2.4GHz only) and integrate it with the Tuya "Smart Life" app.

1. Download the "Smart Life" app from your smartphone's app store.
2. Register or log in to your Smart Life account.
3. Follow the in-app instructions to add a new device. The Wi-Fi pairing process may require a couple of attempts.
4. Once connected, you can control your thermostat remotely via the app.

## 5. Smart Home Integration (Alexa & Google Home)

For voice control, link your Smart Life account to your Amazon Alexa or Google Home account:

- Open the Amazon Alexa or Google Home app.
- Navigate to the "Skills & Games" (Alexa) or "Works with Google" (Google Home) section.

- Search for "Smart Life" and enable the skill/service.
- Link your Smart Life account when prompted.
- Discover devices to add your thermostat.

# Voice Control

Hey Alexa, set living room to 22.5 degrees.

OK

Works with **Amazon Alexa**

Works with **Google Home**

Image: Voice control functionality with Amazon Alexa and Google Home.

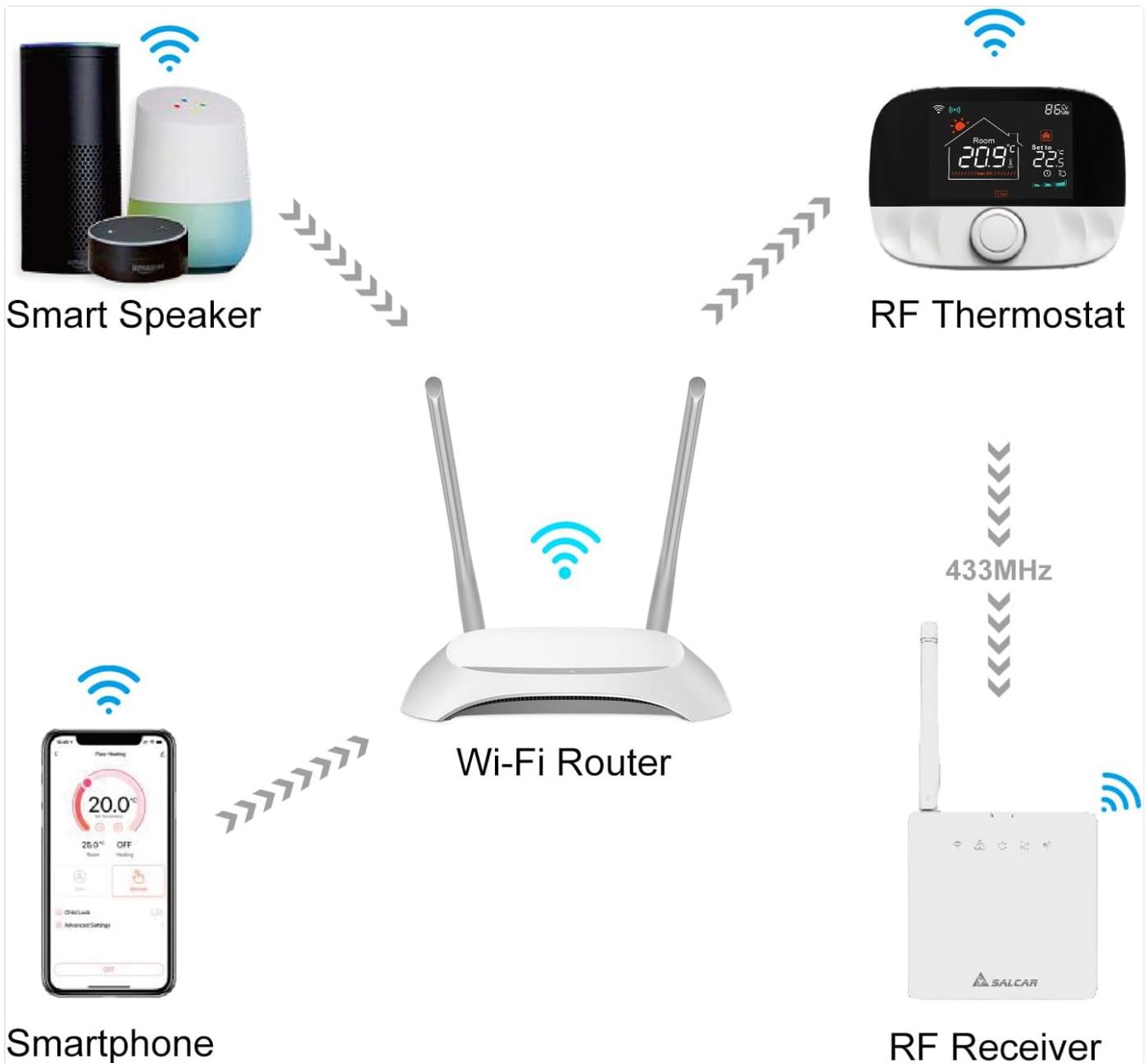


Image: Overview of the smart home connection for the thermostat.

## OPERATING INSTRUCTIONS

### 1. Thermostat Display Overview

The thermostat features a colorful VA display that shows current room temperature, set temperature, time, day of the week, Wi-Fi status, RF signal strength, battery level, and other operational indicators. An integrated sensor provides local weather conditions and outdoor humidity when connected to the internet.

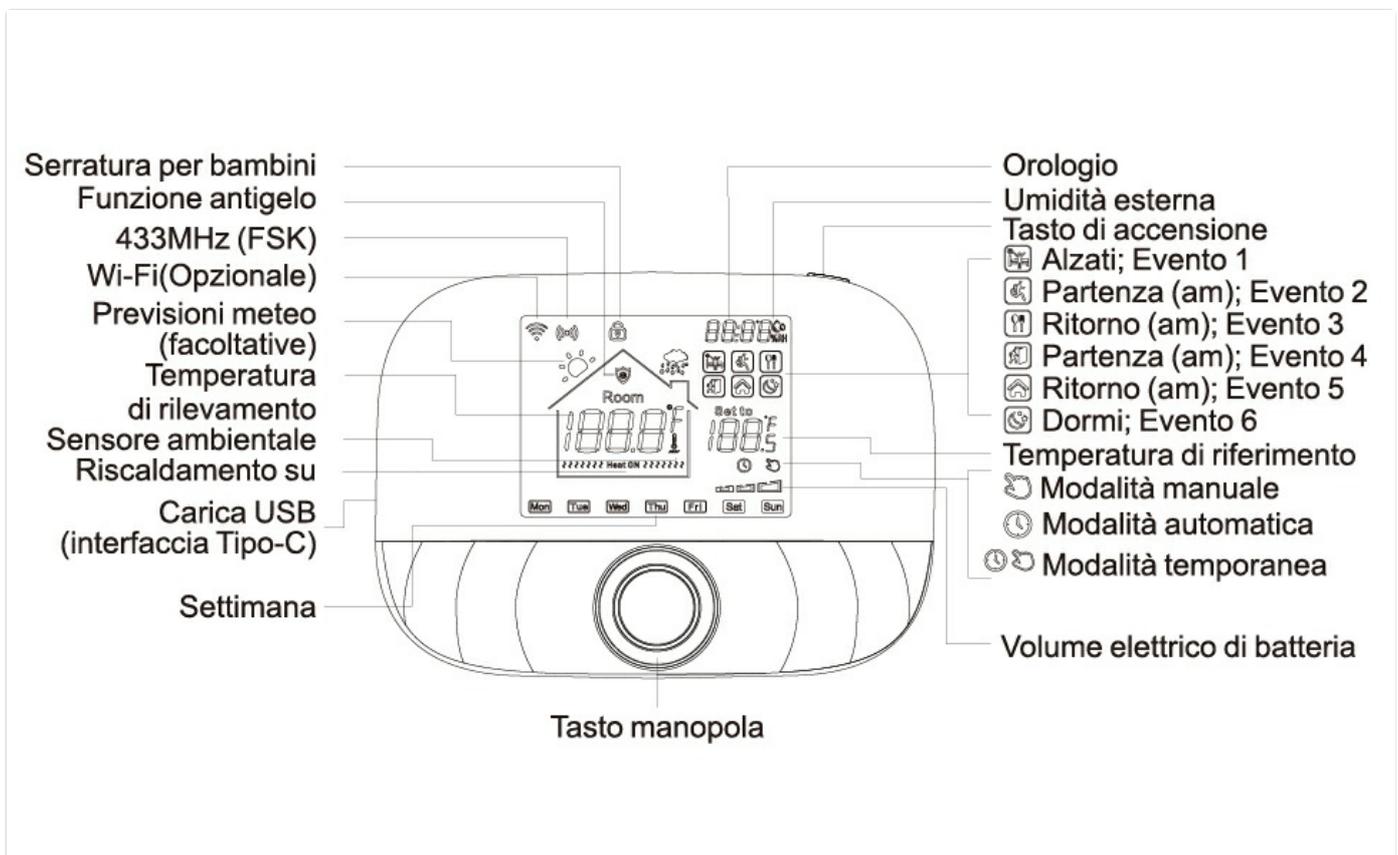


Image: Labeled diagram of the thermostat display and controls.

## 2. Basic Temperature Control

Use the rotary knob on the thermostat to adjust the desired temperature. Press the knob to confirm selections or switch between modes.

## 3. Programming Modes

The thermostat supports various programming modes to optimize energy consumption:

- **5+2 Day Program:** Separate programming for weekdays and weekends.
- **6+1 Day Program:** Separate programming for Monday-Saturday and Sunday.
- **7 Day Program:** Individual programming for each day of the week.

Each day can be programmed with up to 6 distinct time periods (events) and corresponding temperature settings. This automatic programming can help save up to 30% on energy costs.

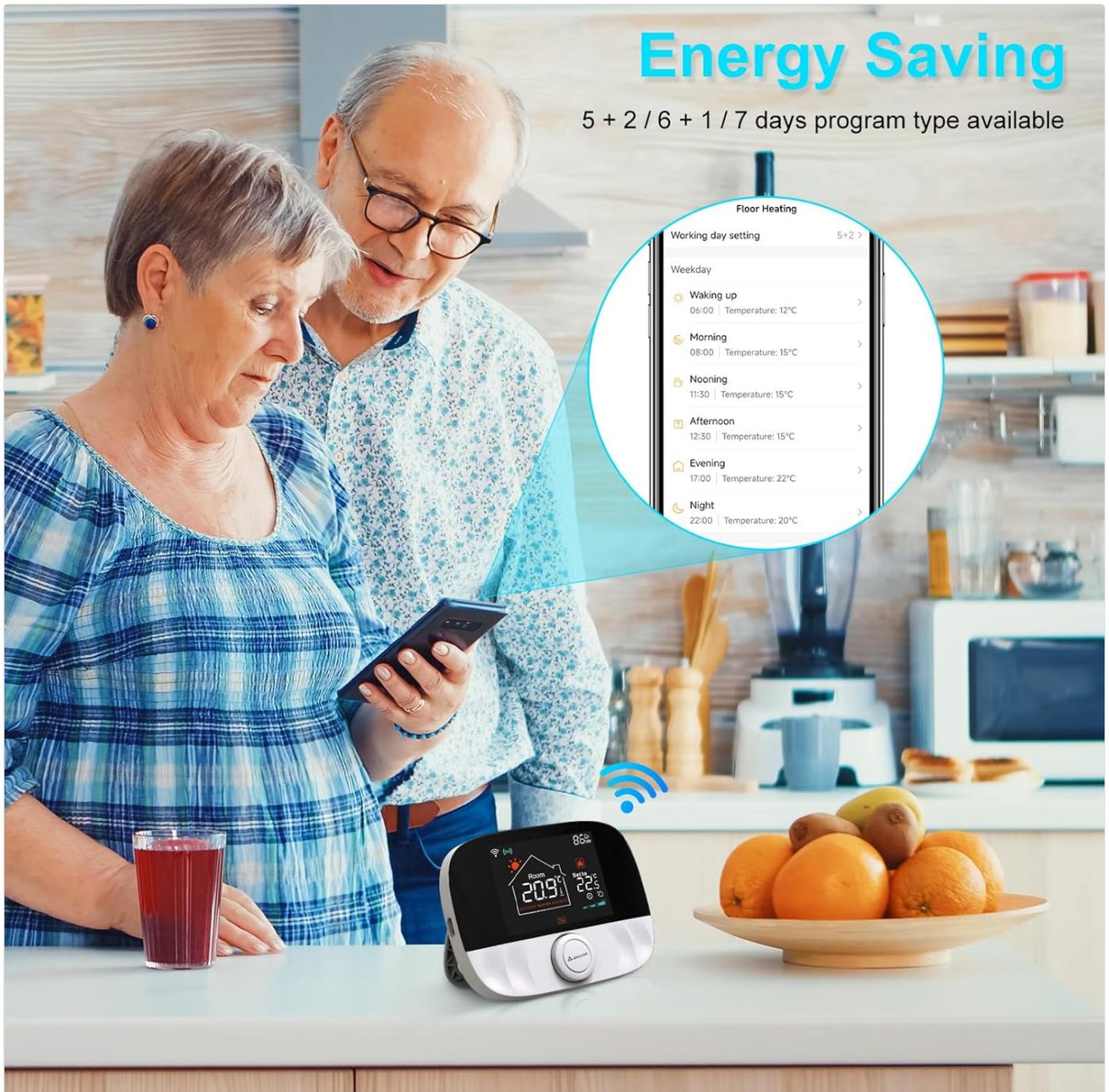


Image: Energy-saving programming options available through the app.

## 4. App Control

The "Smart Life" app provides comprehensive control over your thermostat from anywhere. You can:

- Adjust temperature settings.
- Change programming schedules.
- Monitor current room temperature and humidity.
- Access local weather forecasts.
- Receive notifications and alerts.

## 5. Voice Control

Once integrated with Amazon Alexa or Google Home, you can use simple voice commands to control your thermostat. Examples include:

- "Alexa, set living room to 22 degrees."

- "Hey Google, what's the temperature in the bedroom?"
- "Alexa, turn on the heating."

## MAINTENANCE

### 1. Battery Replacement

If using battery power, the thermostat display will show a low battery indicator when the batteries need replacement. Replace with two new 1.5V AA alkaline batteries. Ensure correct polarity when inserting the batteries.

### 2. Cleaning

Clean the thermostat's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water. Keep the ventilation openings clear of dust and debris.

### 3. Frost Protection

The thermostat includes a frost protection mechanism. When enabled, it will automatically activate heating if the room temperature drops below a preset minimum (typically 5°C) to prevent pipes from freezing. Refer to the app or thermostat settings for specific frost protection configurations.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat not responding / Display off	Low or dead batteries; No USB power; Device malfunction.	Replace batteries or connect USB power. If problem persists, contact support.
No heating / Heating not turning off	RF signal loss; Receiver not powered; Boiler issue; Incorrect settings.	Check receiver power and RF connection. Verify thermostat settings. Ensure boiler is operational.
Wi-Fi connection fails	Incorrect Wi-Fi password; Router too far; Only 5GHz Wi-Fi available; Temporary network issue.	Ensure you are connecting to a 2.4GHz Wi-Fi network. Re-enter password carefully. Move thermostat closer to router. Restart router and try again. Wi-Fi pairing may require a couple of attempts.
App control not working	No Wi-Fi connection; App not logged in; Server issues.	Check Wi-Fi status on thermostat. Ensure app is logged in and connected. Try restarting the app.
Voice control not working	Smart Life skill not enabled/linked; Incorrect voice commands; Smart speaker issue.	Verify Smart Life skill is enabled and linked in Alexa/Google Home app. Use precise commands. Check smart speaker's internet connection.

## SPECIFICATIONS

Brand	SALCAR
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<b>Model Name</b>	T9W
<b>Product Model (Internal)</b>	RV19
<b>Color</b>	White
<b>Dimensions (Package)</b>	13.6 x 9.8 x 6.9 cm
<b>Item Weight</b>	410 grams
<b>Voltage</b>	240 Volts (AC)
<b>Power Supply</b>	2 x 1.5V AA Alkaline Batteries or USB Type-C
<b>Temperature Accuracy</b>	± 0.5 °C
<b>RF Frequency</b>	433MHz
<b>RF Control Distance</b>	Up to 200m (without obstacle)
<b>Wi-Fi Compatibility</b>	2.4GHz only
<b>Special Features</b>	Low battery indicator, Frost protection mechanism, Clock, Programmable, Tuya Smart Life App, Amazon Alexa & Google Home compatibility.

## WARRANTY INFORMATION

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Specific warranty details for the SALCAR T9W RF Smart Thermostat are typically provided with the product packaging or on the manufacturer's official website. Please refer to the documentation included in your product box or visit the SALCAR brand store for the most up-to-date warranty terms and conditions.

## SUPPORT

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For technical assistance, troubleshooting beyond this manual, or general inquiries, please contact SALCAR customer support. Contact information can usually be found on the product packaging, the SALCAR brand store on Amazon, or their official website.

**SALCAR Brand Store:** [Visit SALCAR Store on Amazon](#)

