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> User Manual: YWBL-WH ME98 Smart WiFi Thermostat

## YWBL-WH ME98

# User Manual: YWBL-WH ME98 Smart WiFi Thermostat

Model: ME98 (YWBL-WH3wzk82i7rv)

## 1. INTRODUCTION

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Thank you for choosing the YWBL-WH ME98 Smart WiFi Thermostat. This device is designed to provide intelligent and efficient control over your heating system, particularly for boilers and underfloor heating. With its advanced features, including app control and programmable schedules, you can manage your home's temperature with ease and optimize energy consumption. This manual provides detailed instructions for installation, operation, and maintenance to ensure you get the most out of your new thermostat.



**Image 1.1:** The YWBL-WH ME98 Smart WiFi Thermostat (top) and its wireless receiver unit (bottom). The thermostat features a large digital display showing current room temperature and set temperature, along with touch controls. The receiver unit has a "Pair Code" button and indicators for power and heating status.

## 2. PRODUCT FEATURES

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- **Smart WiFi Connectivity:** Control your heating system remotely via a dedicated mobile application from anywhere.
- **Programmable Schedules:** Set custom temperature schedules to optimize comfort and energy savings.
- **Voice Control Compatibility:** Integrate with smart home assistants like Amazon Alexa for hands-free temperature adjustments.
- **Dual Component Design:** Consists of a main display unit and a separate wireless receiver for flexible installation.
- **Wide Temperature Range:** Supports a temperature setting range of 5-70°C and a measurement range of 0-90°C.
- **High Accuracy:** Temperature accuracy of  $\pm 0.5^{\circ}\text{C}$  for precise climate control.
- **Easy Installation:** Designed for wall mounting with included screws for straightforward setup.
- **Modern Design:** Features a sleek white finish and a clear LCD/LED display.

### 3. PACKAGE CONTENTS

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Please check the package contents upon unpacking to ensure all items are present and undamaged.

- YWBL-WH ME98 Smart WiFi Thermostat Display Unit
- Wireless Receiver Unit
- USB Power Cable (for display unit)
- Wall Mounting Brackets (2x)
- Mounting Screws (4x)
- Wall Plugs (2x)
- User Manual (this document)



**Image 3.1:** All components included in the package: the thermostat display, the receiver unit, a USB cable, two wall mounting brackets, and a set of screws and wall plugs for installation.

### 4. SETUP

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## 4.1. Installation of Receiver Unit

The receiver unit is the wired component that connects directly to your boiler or heating system. It should be installed by a qualified electrician to ensure safety and proper functionality.

1. **Power Disconnection:** Before any wiring, ensure the main power supply to your heating system is completely turned off at the circuit breaker.
2. **Mounting Location:** Choose a suitable location near your boiler or heating control panel, ensuring it is accessible and away from direct heat sources or drafts.
3. **Wiring:** Connect the receiver unit to your boiler's control wiring according to the wiring diagram provided with your boiler or by a professional. The receiver operates on AC230V, 50/60 Hz.
4. **Secure Mounting:** Use the provided screws and wall plugs to securely mount the receiver unit to the wall.
5. **Power Reconnection:** Once wiring is complete and secure, restore power to your heating system. The "Power" indicator on the receiver should light up.



**Image 4.1:** A close-up view of the wireless receiver unit. It features a "Pair Code" button in the center, a "Power" indicator light, and a "Heating on" indicator light. The unit is designed for wall mounting.

## 4.2. Installation of Thermostat Display Unit

The display unit communicates wirelessly with the receiver. It can be placed in any room where you want to measure and control the temperature.

1. **Placement:** Choose a central location in the room, away from direct sunlight, drafts, or heat sources, to ensure accurate temperature readings.
2. **Mounting:** Use the provided wall mounting brackets to secure the display unit to a wall, or place it on a flat surface using its integrated stand (if applicable, not explicitly shown but common).
3. **Powering On:** Connect the display unit to a USB power source using the provided USB cable. The display will light up.



**Image 4.2:** The ME98 Smart WiFi Thermostat display unit. It shows the current room temperature (23.5°C) and the set temperature (25.0°C), along with WiFi and time indicators. The unit has touch-sensitive buttons at the bottom for control.

## 4.3. App Installation and Pairing

To unlock the full smart features of your thermostat, download and set up the dedicated mobile application.

1. **Download App:** Search for the recommended app (e.g., "Smart Life" or "Tuya Smart" if not specified by brand) on your smartphone's app store (Google Play Store for Android or Apple App Store for iOS).
2. **Register/Login:** Open the app and create a new account or log in if you already have one.
3. **Add Device:** In the app, select "Add Device" or the "+" icon. Choose "Thermostat" or "Heater" from the device list.
4. **Pairing Mode (Receiver):** On the receiver unit, press and hold the "Pair Code" button until the indicator light starts blinking rapidly. This puts the receiver into pairing mode.
5. **Pairing Mode (Thermostat):** Follow the on-screen instructions in the app to put the thermostat display unit into pairing mode. This usually involves pressing a combination of buttons on the thermostat.
6. **Connect to WiFi:** Ensure your smartphone is connected to a 2.4GHz WiFi network. The app will guide you through connecting the thermostat to your home WiFi.
7. **Confirmation:** Once successfully paired, the app will confirm the device has been added, and the WiFi indicator on the thermostat display will become solid.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Basic Operation

- **Power On/Off:** Press the power button (usually a circle with a vertical line) on the thermostat display to turn the unit on or off.
- **Adjusting Temperature:** Use the Up (▲) and Down (▼) arrow buttons on the display to manually adjust the desired set temperature. The display will show both the current room temperature and your set temperature.
- **Mode Selection:** Some thermostats have different modes (e.g., Auto, Manual, Holiday). Refer to the on-screen icons or app interface for mode selection.

### 5.2. Programming Schedules

The ME98 thermostat allows you to create customized heating schedules to match your daily routine and save energy. This is primarily done through the mobile application.

1. **Access Scheduling:** Open the mobile app and select your ME98 thermostat. Look for a "Schedule," "Program," or "Timer" option.
2. **Create New Schedule:** Follow the app's prompts to create a new schedule. You can typically set different temperatures for various times of the day (e.g., morning, day, evening, night) and for different days of the week.
3. **Save and Activate:** Once your schedule is set, save it and ensure it is activated within the app. The thermostat will then automatically adjust the temperature according to your programmed settings.

### 5.3. App and Voice Control

- **Remote Control:** Use the mobile app to monitor the current room temperature, change the set temperature, adjust schedules, and switch modes from anywhere with an internet connection.
- **Voice Assistant Integration:** If you have an Amazon Alexa device, enable the skill for your thermostat's app (e.g., "Smart Life" skill). Once enabled, you can use voice commands such as:
  - "Alexa, set [Thermostat Name] to 22 degrees."
  - "Alexa, what is the temperature of [Thermostat Name]?"
  - "Alexa, turn on [Thermostat Name]."

## 6. MAINTENANCE

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The YWBL-WH ME98 Smart WiFi Thermostat requires minimal maintenance.

- **Cleaning:** Wipe the display unit and receiver with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical

sprays, as these can damage the surface and internal components.

- **Avoid Obstructions:** Ensure the thermostat display unit is not obstructed by furniture, curtains, or other objects that could block airflow and affect temperature readings.
- **Software Updates:** Periodically check the mobile application for any available firmware updates for your thermostat. Updates can improve performance and add new features.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat display is blank.	No power to the display unit.	Ensure the USB cable is securely connected and the power source is active.
Heating system not responding.	Receiver unit not powered or not paired with thermostat. Wiring issue.	Check power to the receiver. Re-pair the thermostat and receiver. Verify wiring connections (consult a professional if unsure).
Cannot connect to WiFi/App.	Incorrect WiFi password. Thermostat too far from router. Router is 5GHz only.	Ensure correct 2.4GHz WiFi password. Move thermostat closer to router. Check router settings (must support 2.4GHz). Re-initiate pairing process.
Inaccurate temperature reading.	Thermostat placed in an unsuitable location (direct sunlight, draft, near heat source).	Relocate the thermostat to a more central and stable environment, away from external influences.
Voice control not working.	Skill not enabled or linked. Incorrect device name.	Ensure the correct skill is enabled and linked in your voice assistant app. Use the exact device name configured in the thermostat app.

## 8. SPECIFICATIONS

Parameter	Value
Model	ME98 (YWBL-WH3wzk82i7rv)
Brand	YWBL-WH
Temperature Setting Range	5-70°C
Temperature Measurement Range	0-90°C
Temperature Accuracy	±0.5°C
Receiver Voltage	AC230V, 50/60 Hz
Load Current	3A
WiFi Frequency	2.412GHz-2.484GHz
WiFi Communication Protocol	TCP/IP, MQTT
Radio Frequency (Receiver)	433 MHz

Parameter	Value
Ambient Temperature	0-50°C
Product Dimensions	14 x 10 x 8 cm
Item Weight	370 g
Color	White
Mounting Type	Wall Mount
Batteries Required	No

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact the seller/manufacture directly. Keep your proof of purchase for any warranty claims.

**Manufacturer:** YWBL-WH