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**NEDIS ZBHTR20WT**

# Nedis SmartLife Zigbee 3.0 Radiator Thermostat (ZBHTR20WT) User Manual

Model: ZBHTR20WT

## Introduction

The Nedis SmartLife Zigbee 3.0 Radiator Thermostat (Model ZBHTR20WT) is designed to provide intelligent control over your home's heating system, enhancing comfort and energy efficiency. This device allows you to manage radiator temperatures remotely via the Nedis SmartLife app, set schedules, and integrate with compatible smart home ecosystems. This manual provides essential information for the proper installation, operation, and maintenance of your radiator thermostat.



Image: The Nedis SmartLife Zigbee 3.0 Radiator Thermostat, a white cylindrical device with a digital display showing '22°C' and various icons.

## Setup

### 1. Package Contents

Before beginning installation, ensure all components are present:

- Nedis SmartLife Zigbee 3.0 Radiator Thermostat

- Mounting accessories (e.g., screw, nut, adapters)
- User Manual



Image: An exploded view showing the main thermostat unit, battery compartment, mounting screw, nut, and three different adapter rings for various radiator valve types.

## 2. Battery Installation

The thermostat requires 2 AA batteries (not included). To install:

1. Gently remove the top cover of the thermostat.
2. Insert 2 AA batteries into the battery compartment, ensuring correct polarity (+/-).

3. Replace the top cover securely.




Image: The Nedis SmartLife Radiator Thermostat with its outer casing removed, revealing the internal structure and the empty battery compartment designed for two AA batteries.

## 3. Mounting on Radiator Valve

The thermostat is designed for standard M30 radiator valves. If your existing valve is a different type (e.g., M28 or older MMA radiators), you may need an appropriate adapter (e.g., TA M28-M30 adapter) which is typically sold separately.

1. Remove your existing radiator thermostat head.
2. Select the correct adapter if necessary and attach it to your radiator valve.
3. Screw the Nedis SmartLife Radiator Thermostat onto the valve or adapter until it is secure. Do not overtighten.

## 4. Connecting to a Zigbee Hub

This device operates using Zigbee 3.0 protocol and requires a compatible Zigbee hub (e.g., Nedis SmartLife Zigbee Gateway) to function with the SmartLife app and other smart home systems. Ensure your Zigbee hub is powered on and connected to your home network.

1. Open the Nedis SmartLife app on your smartphone or tablet.
2. Add a new device and select the radiator thermostat from the list.

3. Follow the in-app instructions to put the thermostat into pairing mode. This typically involves setting the thermostat to 'OFF' and then pressing and holding the main button for approximately 5 seconds until a pairing indicator appears on the display.
4. The app will search for and connect to the thermostat. Once connected, you can name the device and assign it to a room.

## Operating Instructions

### 1. Using the Nedis SmartLife App

The primary method of control is through the Nedis SmartLife app, available for Android and iOS devices. The app allows for comprehensive management of your radiator thermostat.

- **Temperature Control:** Adjust the target temperature for each room directly from your smartphone.
- **Scheduling:** Create custom heating schedules for different times of the day and week to optimize comfort and energy usage.
- **Remote Access:** Control your heating from anywhere with an internet connection.
- **Push Notifications:** Receive alerts or status updates related to your heating system.




Image: The Nedis SmartLife Radiator Thermostat displayed alongside icons representing its key features: control/set temperature, set a schedule, send push notifications, and use voice control.




Image: A person relaxing on a sofa, using a smartphone to interact with the Nedis SmartLife app, which shows a view of a room with a radiator and the thermostat device.

## 2. Voice Control Integration

The Nedis SmartLife Zigbee 3.0 Radiator Thermostat is compatible with Amazon Alexa and Google Home, allowing for convenient voice control of your heating settings.

1. Ensure your Nedis SmartLife account is linked to your Amazon Alexa or Google Home account.
2. Use voice commands such as "Alexa, set the living room temperature to 21 degrees" or "Hey Google, turn up the heat in the bedroom."




Image: The Nedis SmartLife Radiator Thermostat positioned next to a Google Home smart speaker, with 'Works with Amazon Alexa' and 'Works with the Google Assistant' logos indicating compatibility.

### 3. Manual Control

You can also adjust the temperature directly on the device using the physical controls. The LED display will show the current temperature setting.

## Maintenance

### Battery Replacement

When the battery level is low, an indicator will typically appear on the thermostat's display and/or in the SmartLife app. Replace the batteries promptly to ensure continuous operation.

1. Remove the top cover of the thermostat.
2. Remove the old AA batteries.
3. Insert new AA batteries, observing correct polarity.

4. Replace the top cover.

It is recommended to use high-quality alkaline batteries for optimal performance and battery life.

## Troubleshooting

- **Device Not Connecting to Zigbee Hub:**
  Ensure your Zigbee hub is powered on and within range. Verify that the thermostat is in pairing mode (set to 'OFF' and hold the button for 5 seconds). If issues persist, try restarting both the thermostat (by removing and reinserting batteries) and the Zigbee hub.
- **Inaccurate Temperature Readings:**
  Ensure the thermostat is not obstructed by curtains or furniture, which can affect its ability to accurately sense room temperature.
- **Scheduling or Time Issues:**
  If you experience inconsistencies with scheduled heating times, ensure the time zone settings in your SmartLife app are correct. For complex scheduling, consider using 'Scenes' within the SmartLife app for more reliable automation.
- **Thermostat Not Responding:**
  Check the battery level. If batteries are low, replace them. If the device is unresponsive, try a soft reset by removing and reinserting the batteries.
- **Radiator Not Heating/Cooling as Expected:**
  Confirm that the thermostat is securely mounted and that the valve pin is moving freely. Ensure the target temperature is set correctly in the app or on the device.

## Specifications




Image: The Nedis SmartLife Radiator Thermostat with its dimensions indicated: 95 mm height and 55 mm diameter.

| Feature | Detail |
| --- | --- |
| Model Number | ZBHTR20WT |
| Brand | NEDIS |
| Connectivity Technology | ZigBee 3.0 |

| Feature | Detail |
|---|---|
| Power Source | Battery (2x AA required) |
| Product Dimensions | 0.55 x 0.55 x 0.97 cm (approx. 55mm diameter, 97mm height); 162 g |
| Controller Type | Android, iOS (via SmartLife App) |
| Special Features | Temperature Display, Smart Heating, Remote Control |
| Color | Black (device shown in white/grey) |
| Finish | Glossy |

## Support and Warranty

For technical support, warranty information, or further assistance, please refer to the official Nedis website or contact Nedis customer service directly. Specific warranty terms and conditions may vary by region and retailer.

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