

AVATTO TRV16

AVATTO TRV16 Zigbee Smart Thermostat Radiator Valve User Manual

Model: TRV16

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your AVATTO TRV16 Zigbee Smart Thermostat Radiator Valve. Please read this manual thoroughly before using the device to ensure proper function and safety. The TRV16 is designed to offer intelligent control over your heating system, enhancing comfort and energy efficiency through Zigbee connectivity and integration with the Tuya Smart Life app.

2. SAFETY INFORMATION

- Ensure the power supply to the radiator is disconnected before installation or maintenance.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified personnel for service.
- Keep the device away from water, moisture, and extreme temperatures.
- Use only the specified battery type and ensure correct polarity during installation.
- This device is intended for indoor use only.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- AVATTO TRV16 Smart Thermostat Radiator Valve
- User Manual (this document)
- Adapter set (various adapters for different valve types)
- AA Batteries (not always included, check packaging)

4. PRODUCT OVERVIEW

The AVATTO TRV16 is a compact, white smart radiator valve designed to replace traditional thermostatic radiator valves. It features an integrated digital display and a rotary knob for manual temperature adjustments.



Image 1: Front view of the AVATTO TRV16 Smart Thermostat Radiator Valve. The device is white with a silver-colored rotary ring on the left side. A digital display on the main body shows "20" (likely temperature) and various icons for fan, clock, and Wi-Fi/Zigbee connectivity.

4.1. Components

- **Digital Display:** Shows current temperature, mode, and connectivity status.
- **Rotary Knob:** Used for manual temperature adjustment and menu navigation.
- **Battery Compartment:** Located at the rear, for AA batteries.
- **Valve Connector:** Standard M30x1.5 thread, with various adapters provided for compatibility.

5. SETUP

5.1. Physical Installation

1. **Remove Old Valve:** Turn off your heating system. Unscrew your existing thermostatic radiator valve head. Some water may drip out; have a cloth ready.
2. **Select Adapter:** Identify the correct adapter from the provided set that fits your radiator valve body.
3. **Install Batteries:** Open the battery compartment of the TRV16 and insert the AA batteries, observing correct polarity. The device display should light up.
4. **Attach TRV16:** Screw the AVATTO TRV16 onto the radiator valve body, using the selected adapter if necessary. Tighten securely but do not overtighten.
5. **Power On Heating:** Turn your heating system back on.

5.2. Zigbee Pairing with Tuya Smart Life App

The TRV16 requires a Zigbee gateway (hub) to connect to the Tuya Smart Life app.

1. **Download App:** Download the [Tuya Smart Life app](#) from your smartphone's app store (iOS or Android).
2. **Add Zigbee Gateway:** Open the app, register or log in, and add your Zigbee gateway if you haven't already.
3. **Enter Pairing Mode (TRV16):** On the TRV16, press and hold the rotary knob for approximately 5-8 seconds

until the Zigbee icon on the display starts flashing rapidly. This indicates pairing mode.

4. **Add Device in App:** In the Tuya Smart Life app, select your Zigbee gateway, then choose "Add sub-device" or "Add new device". The app will scan for nearby Zigbee devices.
5. **Confirm Pairing:** Once the TRV16 is detected, follow the on-screen prompts to add it. The Zigbee icon on the TRV16 display will stop flashing and remain solid when successfully paired.
6. **Rename Device:** You can rename the device in the app for easier identification (e.g., "Living Room Radiator").

6. OPERATING INSTRUCTIONS

6.1. Manual Control

- **Adjust Temperature:** Rotate the knob clockwise to increase the target temperature, and counter-clockwise to decrease it. The new target temperature will be displayed temporarily.
- **Confirm Setting:** The device will automatically confirm the new setting after a few seconds of inactivity.

6.2. App Control (Tuya Smart Life)

Once paired, you can control the TRV16 remotely via the Tuya Smart Life app.

- **Temperature Adjustment:** Use the app interface to set the desired temperature.
- **Scheduling:** Create custom heating schedules for different days and times to optimize energy usage.
- **Mode Selection:** Switch between various modes such as Manual, Auto (schedule-based), Holiday, or Anti-freeze.
- **Child Lock:** Enable child lock from the app to prevent unauthorized manual adjustments on the device.

6.3. Advanced Settings (via App)

The app provides access to advanced settings:

- **Temperature Calibration:** Adjust the displayed temperature if it differs from an external thermometer.
- **Open Window Detection:** Enable this feature to automatically turn off heating if a sudden drop in temperature (e.g., open window) is detected.
- **Anti-freeze Function:** Maintains a minimum temperature to prevent pipes from freezing.

7. MAINTENANCE

7.1. Battery Replacement

When the battery low indicator appears on the display, replace the batteries promptly.

1. Gently remove the TRV16 from the radiator valve body.
2. Open the battery compartment.
3. Replace the old batteries with new AA alkaline batteries, ensuring correct polarity.
4. Reattach the TRV16 to the radiator valve body.

7.2. Cleaning

Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the surface or internal components.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not turning on	Batteries are dead or incorrectly inserted.	Replace batteries or check polarity.
Cannot pair with Zigbee gateway	TRV16 not in pairing mode; gateway too far; gateway not powered on.	Ensure TRV16 is flashing Zigbee icon; move closer to gateway; check gateway power.
Radiator not heating/cooling as expected	Incorrect temperature setting; valve stuck; heating system issue.	Check target temperature; manually operate valve to ensure it's not stuck; consult heating system manual.
App shows device offline	Zigbee gateway offline; TRV16 batteries low; TRV16 out of range.	Check gateway status; replace TRV16 batteries; move TRV16 closer to gateway or add Zigbee repeater.

9. SPECIFICATIONS

- **Model:** TRV16
- **Connectivity:** Zigbee
- **Power Supply:** 2x AA Batteries (not included)
- **Temperature Range:** 5°C - 30°C (Adjustable)
- **Temperature Accuracy:** $\pm 0.5^{\circ}\text{C}$
- **Valve Thread:** M30x1.5
- **App Support:** Tuya Smart Life
- **Dimensions:** (Approximate, based on typical TRV size) 56mm x 56mm x 75mm

10. WARRANTY AND SUPPORT

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

For app-related issues, please consult the help section within the Tuya Smart Life application or visit the Tuya Smart Life support website.

Related Documents - TRV16

Inteligentna głowica termostatyczna Avatto TRV07 Wi-Fi Obsługa zdalnego sterowania przez aplikację smart life, sterowanie głosowe przez Amazon Alexa i Google Assistant  Amazon Alexa Google Assistant	Avatto TRV07 ZigBee Smart Thermostat: Features, Setup, and Specifications Comprehensive guide to the Avatto TRV07 ZigBee Smart Thermostat, covering Wi-Fi setup, app integration with Smart Life, Amazon Alexa, Google Assistant, weekly programming, and technical specifications.
Inteligentna głowica termostatyczna Avatto TRV07 Zigbee 3.0 TUYA Obsługa zdalnego sterowania przez aplikację smart life, sterowanie głosowe przez Amazon Alexa i Google Assistant  Amazon Alexa Google Assistant	Avatto TRV07 Zigbee 3.0 Smart Thermostatic Radiator Valve User Manual Comprehensive user manual for the Avatto TRV07 Zigbee 3.0 Smart Thermostatic Radiator Valve. This guide covers installation, setup, features like app control via Smart Life and voice commands with Amazon Alexa/Google Assistant, temperature modes, troubleshooting, and technical specifications.
Intelligens termostátikus fej Avatto TRV07 Zigbee 3.0 TUYA Távvezérlés támasztása smart life alkalmazáson keresztül, hangvezérlés az Amazon Alexa és a Google Assistant segítségével  Amazon Alexa Google Assistant	Avatto TRV07 Zigbee 3.0 Smart Thermostatic Radiator Valve User Manual User manual for the Avatto TRV07 Zigbee 3.0 Smart Thermostatic Radiator Valve, detailing installation, setup, operation, app control, voice commands with Alexa and Google Assistant, and troubleshooting.
 AVATTO TRV06 Smart Zigbee Radiator Thermostat	AVATTO TRV06 Smart Zigbee Radiator Thermostat - Energy Saving Control Discover the AVATTO TRV06, an intelligent Zigbee radiator thermostat offering precise room-by-room temperature control, energy savings up to 30%, and smart home integration with Tuya, Google Home, and Alexa. Features buffer memory for offline operation.
 AVATTO TRV06 Wireless Smart Radiator Thermostat	TRV06 Wireless Smart Radiator Thermostat User Manual User manual for the AVATTO TRV06 Wireless Smart Radiator Thermostat, covering setup, operation, and app connection. Includes specifications and troubleshooting.



Avatto TRV06 Smart Zigbee Radiator Thermostat - Energy Saving & Remote Control

Explore the Avatto TRV06, an intelligent Zigbee radiator thermostat for precise room-by-room temperature control. Achieve up to 30% energy savings with smart scheduling, remote access via the Tuya app, and offline operation thanks to buffer memory. Compatible with Google Assistant and Amazon Alexa.

Documents - AVATTO – TRV16



Chytrá termostatická hlavice Avatto
TRV16 Zigbee Tuya

Návod k obsluze



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AVATTO TRV16 CZ Manuál 4 5 MB Chytrý termostatický radiátorový ventil Avatto Zigbee Tuya My Smart Home trv16 mysmarthome cz user related files |||

Chytr termostatic hlavice Avatto **TRV16** Zigbee Tuya Nvod k obsluze Aplikace
Inteligentn termostat je programovateln regulátor raditorovho ventilu, kter lze pouzt k
nezvislmu ovdn raditoru prostřednictvím ady programovch nastaven pro dosažen
regulace teploty v mstnosti. Specifikace Režim napjen: 2x1,...

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Inteligentna głowica termostatyczna
Avatto TRV16 Zigbee Tuya

Instrukcja obsługi

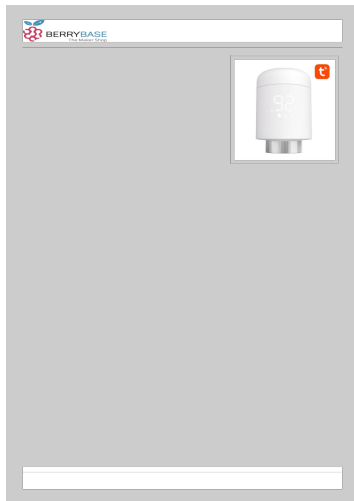


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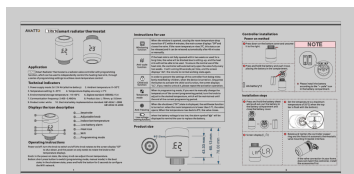


[\[pdf\]](#) User Manual Datasheet

Datasheet for Avatto TRV16 Smartes Heizkörperthermostat Zigbee Der smarte Thermostatkopf von ermöglicht auch eine einfache Steuerung Du musst lediglich die Smart Life oder Tuya App auf dein Handy herunterladen AVA berrybase ch en product datasheet 019621fe66f771fab0970051d8d11ee8 create |||

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Inteligentna głowica termostatyczna
Avatto TRV16 Zigbee Tuya

Instrukcja obsługi



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AVATTO TRV16 PL Inteligentna głowica termostatyczna Avatto Zigbee TuyaAvatto Tuya Instrukcja obsługi Page 2 Zastosowanie Inteligentny termostat to sterownik zaworu grzejnikowego z funkcją programowania który 33341 33748dobre promo pl p file d915b1d4a31d397bf1344ab7d260aad8 33341 33748 srsId AfmBOorYFI2PWXMEOf10lfayicfsAtJpQFeuHsLn i3A HyYn r4Azn |||
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