Temtop IT-S1+

Temtop Smart Indoor Thermometer S1+ Instruction Manual

Model: IT-S1+ | Brand: Temtop

1. Introduction and Overview

The Temtop Smart Indoor Thermometer S1+ is a versatile device designed for comprehensive indoor air quality monitoring. It provides real-time measurements of temperature, humidity, PM2.5, and calculates the Air Quality Index (AQI). With its app connectivity and long battery life, the S1+ allows users to maintain optimal indoor comfort and health conditions.



Figure 1: Temtop S1+ device alongside its mobile application interface.

Key features include a Swiss sensor for precision, a 3-color indicator for AQI levels, a built-in buzzer for alerts, and a compact design for flexible placement.

2. Components

The Temtop Smart Indoor Thermometer S1+ package includes the following items:

- Temtop S1+ Air Quality Monitor
- USB Charging Cable (Type-C)
- User Manual
- Magnetic Stand/Bracket



Figure 2: Detailed view of the S1+ monitor with key components labeled.

3. Setup

3.1 Initial Charge

Before first use, fully charge the S1+ monitor using the provided USB Type-C charging cable. The battery indicator on the display will show charging status.

3.2 App Download and Pairing

1. Download the "Temtop" app from your device's app store (iOS or Android).
2. Open the app and create an account or log in.
3. Ensure Bluetooth is enabled on your smartphone.
4. On the S1+ monitor, long press the power button to turn it on.
5. In the app, select "Add Device" and scan the QR code located on the back of your S1+ monitor.
6. Follow the on-screen prompts to complete the pairing process. The device will automatically connect via Bluetooth.



Figure 3: Pairing the S1+ monitor with the mobile application.

3.3 Placement Options

The S1+ offers versatile placement options:

- **Tabletop:** Use the included magnetic stand to prop the device upright on any flat surface.
- **Magnetic:** The device features a magnetic back, allowing it to be attached to metal surfaces like refrigerators or whiteboards.



Figure 4: Examples of flexible placement for the S1+ monitor.

4. Operating Instructions

4.1 Device Display Overview

The S1+ display provides the following information:

- **Time:** Current time (AM/PM or 24-hour format).
- **Battery Level:** Indicates remaining battery life.
- **Bluetooth Status:** Icon indicates active Bluetooth connection.
- **Temperature:** Current temperature in °C or °F, with max/min readings.
- **Humidity:** Current relative humidity (%RH), with max/min readings.
- **PM2.5 Level:** Real-time Particulate Matter 2.5 concentration (µg/m³).
- **AQI Level:** Air Quality Index based on PM2.5.
- **Indicator Bar:** 3-color bar (red, orange, green) representing AQI levels.

4.2 Button Functions

The S1+ has two main buttons on the top edge:

- **Power Button (Left):**
  - Long press: Power on/off the monitor.
  - Single click: Activate Bluetooth (if not already active).
  - Double click: Toggle the built-in buzzer alarm on/off.
- **Mode Button (Right):**
  - Short press: Switch between 12-hour and 24-hour time display.
  - Long press: Switch between Celsius (°C) and Fahrenheit (°F) temperature units.

4.3 Understanding AQI Indicators

The S1+ uses a 3-color indicator bar to visually represent the Air Quality Index (AQI) based on PM2.5 levels:

- **Green:** Good air quality.
- **Orange:** Moderate air quality.
- **Red:** Poor air quality.



Figure 5: AQI color codes and corresponding air quality levels.

4.4 App Functions

The Temtop app provides enhanced monitoring and control features:

- **Real-time Data:** View live temperature, humidity, PM2.5, and AQI readings.
- **Historical Trends:** Access graphs and data logs for temperature and humidity over time (daily, weekly, monthly).
- **Alert Settings:** Customize temperature and humidity thresholds for audible alerts via the device's buzzer.
- **Data Export:** Export historical data for analysis.
- **Device Calibration:** Perform calibration functions for accurate readings.
- **Custom Settings:** Adjust various device settings directly from the app.



Figure 6: Historical data view within the Temtop mobile application.

5. Maintenance

- **Charging:** Recharge the device when the battery indicator is low. A full charge provides up to 60 days of battery life depending on usage.
- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Environmental Conditions:** The S1+ is not waterproof. Avoid exposure to excessive moisture, direct water, or extreme temperatures outside its operating range.

6. Troubleshooting

6.1 Common Issues

- **Device not turning on:** Ensure the device is charged. Connect it to the charging cable and try again.
- **App not connecting via Bluetooth:**

- Ensure Bluetooth is enabled on your phone.
- Make sure the S1+ monitor is powered on and within Bluetooth range of your phone.
- Try restarting both the app and the S1+ monitor.
- Rescan the QR code in the app to re-pair the device.

- **Inaccurate readings:**
  - Ensure the device is placed in a stable environment, away from direct sunlight, heat sources, or drafts.
  - Allow the device to acclimate to the environment for at least 30 minutes after initial setup or relocation.
  - Consider using the calibration function in the app if persistent inaccuracies are observed.
- **Buzzer not sounding:** Double-check that the buzzer is enabled by double-clicking the power button. Verify alert thresholds in the app settings.

7. Specifications

Feature	Specification
Brand	Temtop
Model Number	IT-S1+
Temperature Measurement Range	-20°C to 60°C (-4°F to 140°F)
Temperature Accuracy	±0.5°C (±0.9°F)
Humidity Measurement Range	0% to 100% RH
Humidity Accuracy	±3% RH
PM2.5 Measurement Range	0-999 µg/m³
Battery Type	Rechargeable Lithium Ion (included)
Battery Life	Up to 60 days on a single charge
Mounting Type	Tabletop, Magnetic
Item Weight	5.9 ounces
Package Dimensions	5.51 x 4.13 x 1.26 inches

8. Warranty and Support

Temtop products are designed for reliability and performance. For warranty information, technical support, or assistance with your S1+ monitor, please refer to the official Temtop website or contact their customer service directly. Keep your purchase receipt for warranty claims.
For further assistance, visit the Temtop Store on Amazon.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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