

AIROBOT



Airobot Air Quality Sensor DT1 User Guide

The Airobot tabletop air quality sensor DT1 measures the three most important indicators of your home's air: CO₂, humidity, and temperature. See what you can't feel — and always know when it's time to let in fresh air.

1. What's in the box?

- Air quality sensor DT1
- USB cable (Type-A)
- 230V USB adapter
- Quick start guide

Nothing else is needed — the sensor is ready to use as soon as you plug it in.

2. Getting started

1. **Choose a good spot.** Place the sensor in the room you want to monitor — for example, on a bedside table or on your desk. Avoid direct sunlight and spots right next to a window or radiator to keep the readings accurate.
2. **Connect the power.** Connect the included USB cable to the sensor and the other end (USB Type-A) to the included 230V USB adapter. Plug the adapter into a wall socket.
3. **Done!** The screen turns on and the sensor starts measuring automatically. The first accurate readings appear within a few minutes.

3. What do you see on the screen?

The sensor has an e-paper display that is always visible — even without Wi-Fi or the app.

Reading	What it means
CO ₂ (ppm)	The level of carbon dioxide in the air, produced mainly by breathing. The lower, the fresher the air.
Humidity (%)	Air humidity. A comfortable range is usually 40–60%.
Temperature (°C)	Room air temperature.
Air quality rating	A simple scale: Poor → Fair → Good → Perfect. “Perfect AQ” means all three readings are in the ideal range.

How to read the CO₂ numbers

- **Below 800 ppm** — excellent air, ideal for sleeping too
- **800–1000 ppm** — good, but it will soon be time to air the room
- **Above 1000 ppm** — time to let in fresh air: higher levels can affect sleep and concentration

4. Connect with the Airobot app



With the app, you can see air quality statistics right on your phone — in real time and up to 7 days back. If you have several sensors, you can see all rooms in one view.

1. Download the **Airobot app** (App Store or Google Play).
2. Create a user account and follow the in-app instructions to add the sensor.
3. Connect the sensor to your home Wi-Fi network (a **2.4 GHz** network is required) — see the detailed steps below.

How to connect the sensor to Wi-Fi

1. On the sensor, press **MENU → WiFi** (or **MENU → Settings → Connectivity → WiFi**).
2. On your phone or computer, join the network **Airobot-Thermostat-XXXXXX**.
3. In a browser, open *airobot-thermostat.local* (or the IP address shown on the screen), or scan the QR code on the screen.
4. In the browser, tap **SCAN/SEARCH WIFI**, choose your home network, enter the password, and tap **Create Connection**.
5. On success, “Pending..” changes to “Connection established”. Registration runs automatically (may take a few minutes) and the sensor may update its software.
6. If the connection fails, go to **MENU → WiFi** and reset the network settings (“Do you want network settings to zero? — Yes”), then retry.

Good to know: the app is a handy extra, not a requirement. The sensor screen shows real-time readings even without Wi-Fi.

5. Tips for everyday use

- **Check the bedroom in the evening.** Good sleep starts with good air — air out the room before bedtime until CO₂ drops below 800 ppm.
- **Ventilate smart.** A short, brisk airing (5–10 minutes with windows wide open) refreshes the air faster and cools the rooms less than a window left ajar for a long time.
- **Watch the trends in the app.** The 7-day history shows when and where air quality tends to drop — so you can fine-tune your airing habits.

6. Frequently asked questions

Does the sensor need Wi-Fi?

Wi-Fi is only needed for connecting to the app and viewing the history. Real-time readings are always visible on the screen, even without a network.

Is there a difference between the black and white models?

Only the design. Functionality, sensors, and connectivity are identical.

Do I need a ventilation unit to use the sensor?

No. The sensor works great as a standalone device.

7. If you have an Airobot ventilation unit

The sensor works on its own — but even better together with an Airobot ventilation unit.

Connect the sensor wirelessly to your Airobot ventilation unit — when the room's CO₂ level rises above the set threshold, the ventilation unit automatically speeds up the air exchange. You don't have to lift a finger.

How to connect

1. Make sure both the sensor and the ventilation unit are added to the **same home group in the app**.
2. Activate in the app: *Settings* → *Transmit room sensors' CO₂ readings to the ventilation device for air quality-based control*.
3. The feature works via the Airobot server, so an internet connection is required.

Compatibility: all Airobot ventilation units manufactured since July 2021 (serial number starts with V02..). Not sure about your model? Contact us and we'll check it for you.