

[Manuals.plus](#) /

› [LifeBasis](#) /

› LifeBasis 11-in-1 Indoor Air Quality Monitor (Model: B0DHTLW9H7) User Manual

## LifeBasis B0DHTLW9H7

# LifeBasis 11-in-1 Indoor Air Quality Monitor User Manual

Model: B0DHTLW9H7

## INTRODUCTION

The LifeBasis 11-in-1 Indoor Air Quality Monitor is designed to provide real-time measurements of various air quality parameters in your environment. This device helps you understand and manage the air quality around you by monitoring 11 crucial indexes: AQI, CO2, PM1.0, PM2.5, PM10, Particles, HCHO, TVOC, temperature, and humidity. It features a dual alert system, including visual and audible notifications, to keep you informed of current air quality levels.

## WHAT'S IN THE BOX

Upon opening your LifeBasis Air Quality Monitor package, you should find the following items:

- 1 x Air Quality Monitor
- 1 x Instruction Manual
- 1 x Type-C Cable

# What's in the package?

1 x Air Quality Monitor

1 x Instruction Manual

1 x Type-C Cable



Image: The package contents, showing the LifeBasis Air Quality Monitor, its instruction manual, and a Type-C charging cable.

## PRODUCT OVERVIEW

The LifeBasis Air Quality Monitor features a clear LCD screen and intuitive controls for easy operation and data interpretation.

## Display and Indicators

# Clear LCD Display

Clearly displayed data helps you understand the indoor air quality more easily



Image: A detailed view of the monitor's LCD display, highlighting various indicators such as AQI, CO2, PM2.5, TVOC, temperature, humidity, battery status, sound icon, and the alert indicator.

- **Sound On Icon:** Indicates if audible alerts are active.
- **AQI:** Air Quality Index.
- **CO2:** Carbon Dioxide concentration (PPM).
- **PM1.0, PM2.5, PM10:** Particulate Matter concentrations ( $\mu\text{g}/\text{m}^3$ ).
- **HCHO:** Formaldehyde concentration ( $\text{mg}/\text{m}^3$ ).
- **TVOC:** Total Volatile Organic Compounds concentration ( $\text{mg}/\text{m}^3$ ).
- **Particles:** Number of particles per liter.
- **Temperature:** Current ambient temperature ( $^{\circ}\text{C}/^{\circ}\text{F}$ ).
- **Humidity:** Current ambient humidity (%).
- **Battery Indicator:** Shows remaining battery life.
- **Alert Indicator:** Flashes continuously when an alert threshold is exceeded.

# MULTI-FUNCTION BUTTON

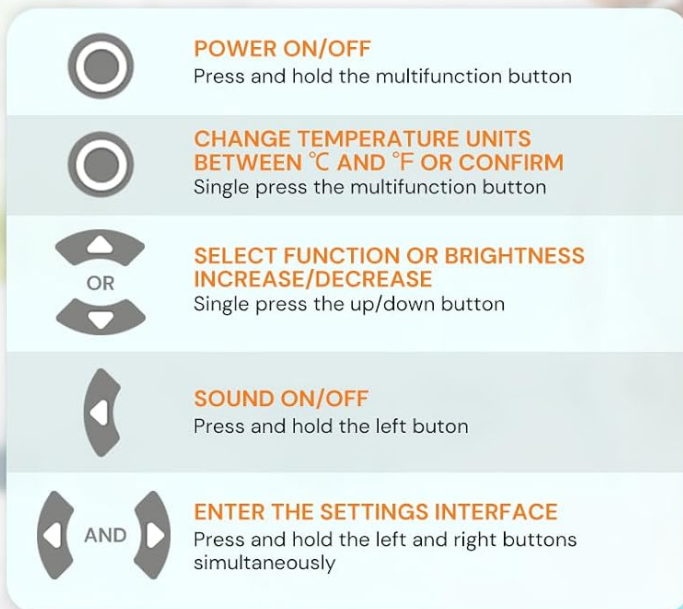


Image: A diagram detailing the functions of each button on the device, including power on/off, temperature unit change, function selection, brightness adjustment, sound control, and settings interface access.

- **Multi-Function Button (Center):** Press and hold to power ON/OFF. Single press to change temperature units (°C/°F) or confirm selections.
- **Up/Down Buttons:** Single press to select functions or adjust brightness.
- **Left Button:** Press and hold to toggle sound ON/OFF. Single press to switch display.
- **Right Button:** Single press to switch display.
- **Entering Settings:** Press and hold the Left and Right buttons simultaneously.

## Sensors



Image: An internal view of the monitor highlighting the five high-precision sensors: NDIR infrared carbon dioxide sensor, laser particle sensor, semiconductor sensor, photoelectric sensor, and temperature and humidity sensor.

The device is equipped with multiple high-precision sensors for accurate measurements:

- NDIR Infrared Carbon Dioxide Sensor
- Laser Particle Sensor
- Semiconductor Sensor
- Photoelectric Sensor
- Temperature and Humidity Sensor

## SETUP

### Initial Charge

Before first use, ensure the device is fully charged using the provided Type-C cable. A full charge typically takes approximately 6 hours and provides 11-12 hours of continuous use.

### Power On/Off

To power on the device, press and hold the multi-function button (center button) until the screen illuminates. To power off, press and hold the same button until the screen turns off.

### CO2 Calibration

For accurate CO2 readings, it is recommended to perform a calibration:

1. Charge the device for at least 5 minutes before its first use.
2. Place the monitor in a well-ventilated area with the power on for more than 10 minutes.
3. Enter the calibration interface (refer to 'Control Buttons' section for accessing settings) and select "Yes" for calibration. The calibration will complete with a long beep from the buzzer.



Image: A visual guide demonstrating the three steps for CO2 calibration: initial charging, placement in a ventilated area, and confirming calibration via the device interface.

## OPERATING INSTRUCTIONS

### Understanding the Display

The LCD screen provides real-time data for all 11 parameters. Each parameter is displayed with its current value and a color-coded indicator for air quality status.

# Core Gas Index Reference Table

| GAS       | AQI       | PM1.0     | PM2.5     |
|-----------|-----------|-----------|-----------|
| GOOD      | 0~49      | 0~34      | 0~34      |
| MODERATE  | 50 ~99    | 35~74     | 35~74     |
| POOR      | 100~ 149  | 75~149    | 75~149    |
| UNHEALTHY | ABOVE 150 | ABOVE 150 | ABOVE 150 |
| UNIT      |           |           |           |

| GAS       | PM10      | CO2         |
|-----------|-----------|-------------|
| GOOD      | 0~49      | 400 ~799    |
| MODERATE  | 50~ 149   | 800~1199    |
| POOR      | 150 ~ 249 | 1200 ~ 1599 |
| UNHEALTHY | ABOVE 250 | ABOVE 1600  |
| UNIT      |           |             |

| GAS       | HCHO          | TVOC       |
|-----------|---------------|------------|
| GOOD      | 0~0.049       | 0~0.299    |
| MODERATE  | 0.050 ~ 0.099 | 0.3 ~0.499 |
| POOR      | 0.1 ~0.149    | 0.5 ~0.999 |
| UNHEALTHY | ABOVE 0.15    | ABOVE 1    |
| UNIT      |               |            |



Image: A reference table detailing the ranges for AQI, PM1.0, PM2.5, PM10, CO2, HCHO, and TVOC, categorized into Good (Green), Moderate (Yellow), Poor (Orange), and Unhealthy (Red) levels.

The color of the icon corresponding to a single gas changes based on its concentration:

- **Green:** Good air quality.
- **Yellow:** Moderate pollution.
- **Orange:** Poor air quality.
- **Red:** Unhealthy/Abnormal levels.

## Switching Display Views

To view different sets of measurement values, single press the Left or Right button. This allows you to cycle through various parameter displays, such as switching between PM2.5, Particles, and TVOC, or HCHO, PM1.0, and PM10.



Image: A visual representation of the monitor's display, showing how pressing the left or right button cycles through different combinations of the 11 measured parameters.

Alert System

When any measured value exceeds its predefined normal threshold, the device will activate an alert:

- An audible ticking sound will be emitted.
- The alert indicator light will flash continuously.
- The interface color for the exceeded parameter will change to red.

Default alert thresholds are:

- AQI alert: 100
- CO2 alert: 1500 PPM
- PM1.0 alert: 75 µg/m³
- PM2.5 alert: 75 µg/m³
- PM10 alert: 150 µg/m³
- HCHO alert: 0.1 mg/m³
- TVOC alert: 0.5 mg/m³

**REFERENCE TABLE FOR AIR POLLUTION GRADE**

| GAS       | AQI       | PM1.0     | PM2.5     | PM10      | CO2         | HCHO          | TVOC       |
|-----------|-----------|-----------|-----------|-----------|-------------|---------------|------------|
| GOOD      | 0~49      | 0~34      | 0~34      | 0~49      | 400 ~799    | 0~0.049       | 0~0.299    |
| MODERATE  | 50 ~99    | 35~74     | 35~74     | 50~ 149   | 800~1199    | 0.050 ~ 0.099 | 0.3 ~0.499 |
| POOR      | 100~ 149  | 75~149    | 75~149    | 150 ~ 249 | 1200 ~ 1599 | 0.1 ~0.149    | 0.5 ~0.999 |
| UNHEALTHY | ABOVE 150 | ABOVE 150 | ABOVE 150 | ABOVE 250 | ABOVE 1600  | ABOVE 0.15    | ABOVE 1    |
| UNIT      |           | µg/m³     | µg/m³     | µg/m³     | PPM         | mg/m³         | mg/m³      |

Image: A visual explanation of the intelligent alert system, demonstrating how the device provides audible and visual warnings (flashing indicator, red display) when air quality parameters like HCHO exceed safe levels.

## MAINTENANCE

### Charging the Device

The monitor is equipped with a 2500mAh battery and a Type-C charging port. Connect the provided Type-C cable to the device and a suitable USB power source for charging. Charging time is approximately 6 hours for a full charge, providing 11-12 hours of continuous operation.



Image: The monitor connected to a Type-C charging cable, illustrating its charging process and highlighting its built-in 2500mAh battery, 6-hour charging time, and 11-12 hour standby time.

### Care and Precautions

To ensure the longevity and accuracy of your air quality monitor, observe the following precautions:

- **Prevent Soaking:** Do not place the device in bathrooms or areas where it may be drenched by water.
- **Prevent Strong Vibration:** Avoid strong shocks or vibrations, such as dropping the device on the floor.
- **Stay Away from Volatile Substances:** Do not place the product near volatile substances like perfume, alcohol, or mosquito coils, as these can interfere with readings.
- **Prevent Inserting Objects into Gas Sampling Ports:** Do not insert sharp, flammable, or metal objects into the monitor or air inlet to avoid short-circuiting, which could result in electric shock or burns.

## TROUBLESHOOTING

If you encounter issues with your LifeBasis Air Quality Monitor, consider the following common solutions:

- **Inaccurate Readings:** Ensure the device has been properly calibrated, especially for CO2. Move the device to a well-ventilated area for a few minutes and re-check readings. Avoid placing it near sources of strong odors or chemicals.
- **Device Not Turning On:** Check if the battery is charged. Connect the device to the Type-C charger and allow it to charge for at least 30 minutes before attempting to power it on again.
- **Screen Not Responding:** Try restarting the device by holding down the multi-function button. If unresponsive, allow the battery to fully discharge and then recharge it.
- **No Audible Alerts:** Check if the sound is enabled by pressing and holding the Left button.

If problems persist, refer to the 'Warranty and Support' section for further assistance.

## SPECIFICATIONS

| Feature              | Detail                                                                     |
|----------------------|----------------------------------------------------------------------------|
| Product Dimensions   | 0.95 x 2.92 x 6.3 inches                                                   |
| Item Weight          | 6.1 ounces                                                                 |
| Manufacturer         | LifeBasis                                                                  |
| ASIN                 | B0DHTLW9H7                                                                 |
| Batteries            | 1 Lithium Polymer battery required (included)                              |
| Battery Capacity     | 2500mAh                                                                    |
| Continuous Use Time  | 11-12 hours (on full charge)                                               |
| Charging Port        | Type-C                                                                     |
| Monitored Parameters | AQI, CO2, PM1.0, PM2.5, PM10, Particles, HCHO, TVOC, Temperature, Humidity |

## OFFICIAL PRODUCT VIDEO

Video: An official product video from LifeBasis USA demonstrating the LSAM003 air quality monitor. This video provides a general overview of the device's features and operation.

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in the included instruction manual or visit the official LifeBasis website. Keep your purchase receipt as proof of purchase for warranty claims.

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### 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. [Privacy details](#).

**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.

Submit question