**Manuals+** — User Manuals Simplified.



# Milesight AM100 Series Indoor Ambience Monitoring Sensor User Guide

**Contents**

Milesight AM100 Series Indoor Ambience Monitoring Sensor

## Product Information

The AM100 Series Sensor is a device used for monitoring CO2 concentration in the environment. It features an E-ink screen, LED indicator, NFC area, and a power button. The AM102L/AM103L models have an additional LED indicator and NFC area. The device is powered by ER14505 Li-SOCl2 batteries.

### Button & Traffic Light Indication

- **Power ON/OFF:** Press and hold the power button for more than 3 seconds to enable or disable the device.
- **Reset to Factory Default:** Press and hold the power button for more than 10 seconds to reset the device to its factory settings.
- **Threshold Alarm (AM103/AM103L Only):** The LED blinks when the CO2 concentration exceeds the threshold.

### Emoticon Descriptions (AM103 Only)

- **You are having a healthy environment!:** Indicates a healthy CO2 concentration level.
- **Polluted:** Indicates that the CO2 concentration exceeds the polluted threshold.
- **Bad:** Indicates that the CO2 concentration exceeds the bad threshold.

### Power Supply
To power the device, remove the rear cover and install ER14505 Li-SOCl2 batteries. Ensure the batteries are inserted correctly. If not using the device for an extended period, remove the batteries to prevent leakage and damage to the device.
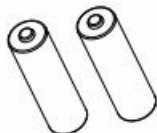
### Configuration Guide

1. Download the Milesight ToolBox App on an NFC-supported smartphone.
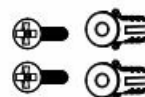
### Packing List

AM100 Series Sensor



2 × ER14505
Li-SOCl₂ Batteries



1 × 3M Double-Sided
Tape
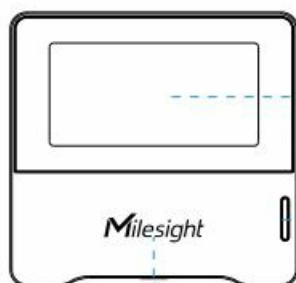


2 × Wall
Mounting Kits



1 × Fixing Screw



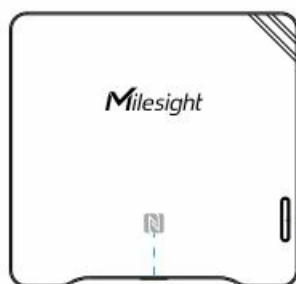1 × Quick Start Guide



1 × Warranty Card
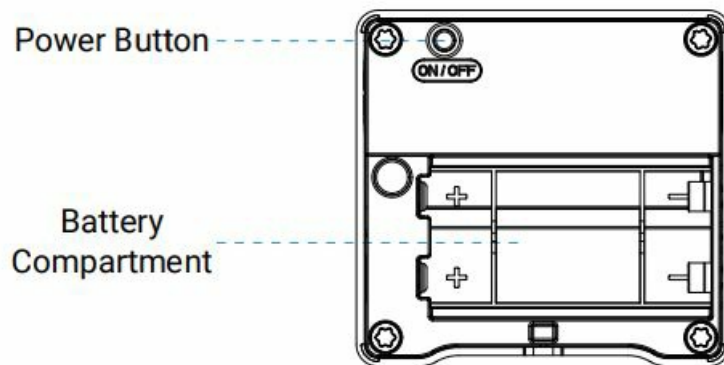
**Hardware Introduction**



E-ink Screen

LED Indicator

NFC Area

AM102/AM103



LED Indicator

NFC Area

AM102L/AM103L

## Button & Traffic Light Indication

| Function | Action | LED (Enabled) |
|---|---|---|
| Power ON/OFF | Press and hold the power button for more than 3 seconds. | Power On: Off → On |
| | | Power Off: On → Off |
| Reset to Factory Default | Press and hold the power button for more than 10 seconds. | Quickly Blinks |
| Threshold Alarm (AM103/AM103L Only) | When CO2 concentration exceeds the threshold. | Polluted: Blinks |
| | | Bad: Blinks |

## Emoticon Descriptions (AM103 Only)

| Emoticon | Description |
|---|---|
| 😄 | You are having a healthy environment! |
| 😐 | When $CO_2$ concentration exceeds the Polluted threshold. |
| ☹ | When $CO_2$ concentration exceeds the Bad threshold. |

## Power Supply

Remove the rear cover of device to install the batteries, do not reverse the direction of batteries.
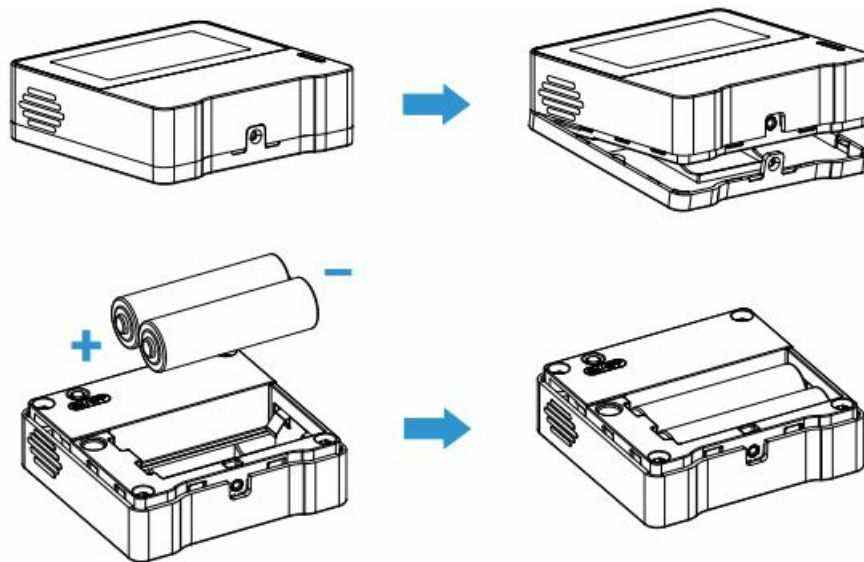
**Note**

- The device can be powered by ER14505 Li-SOCl2 batteries.
- The battery should be removed from the device if not to be used for an extended period. Otherwise, the battery might leak and damage the device. Never leave a discharged battery in the battery compartment.

## Configuration Guide

1. Download "Milesight ToolBox" App on an NFC-supported smartphone.
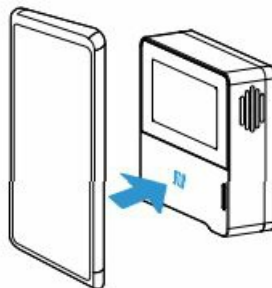


Android        iOS

2. Open "Milesight ToolBox" App and attach the NFC area of the smartphone to the device. Click "NFC Read" to read/write the device until the app successfully shows a prompt. It's suggested to change the default password for security reasons. (Default password: 123456)
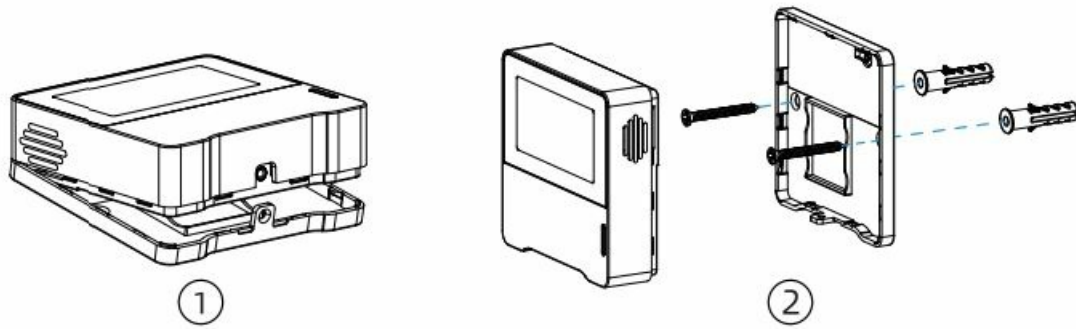


Besides, it can be configured by dedicated NFC reader provided by Milesight IoT.

## Installation

**Fixed by Screws**

1. Remove the back cover of the device, screw the wall plugs into the wall and fix the cover with screws on it, then install back the device.
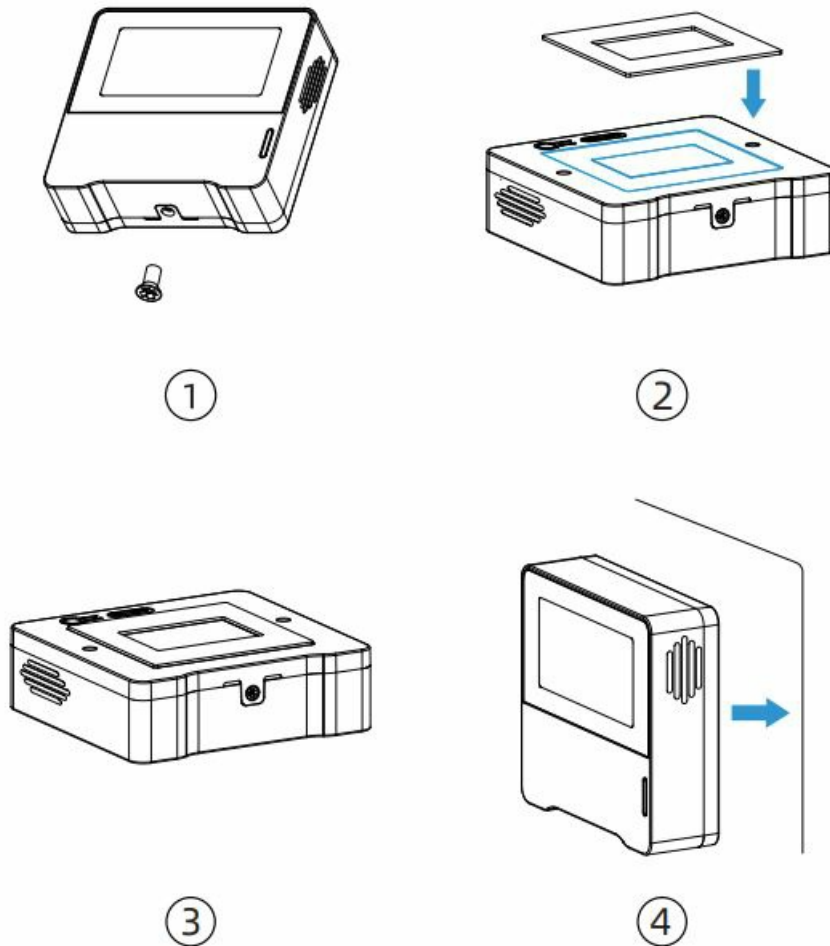


2. Fix the bottom of the device to the cover with a fixing screw.
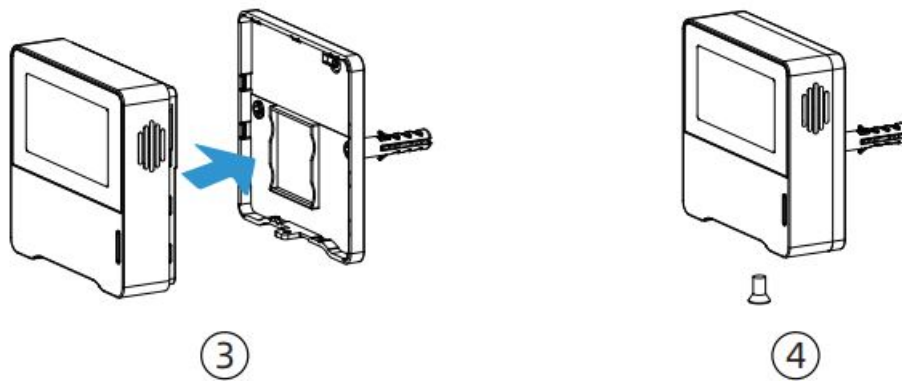


**Fixed by Tape**

1. Fix the bottom of the device to the rear cover with a fixing screw.
2. Paste 3M double-sided tape to the back of device, then tear the other side and place the device on a flat surface.

## FCC Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and.
2. This device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Radiation Exposure Statement:**
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body. This

transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**All software & files can be downloaded from:** **https://www.milesight-iot.com/documents-download/**


Quick Start Guide          Cloud App

Milesight IoT Co., Ltd. | **www.milesight.com**

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## Documents / Resources

| | |
|---|---|
|  | **Milesight AM100 Series Indoor Ambience Monitoring Sensor** [pdf] User Guide<br>AM102, AM103, AM102L, AM103L, AM100 Series, AM100 Series Indoor Ambience Monitoring Sensor, Indoor Ambience Monitoring Sensor, Ambience Monitoring Sensor, Monitoring Sensor, Sensor |