



CO₂ sensor baseline calibration

VER 0.2



【Overview】

The CO₂ sensor in UNOslim has the automatic self-calibration feature, which means that in most situations, no manual calibration is necessary. We recommend that the UNOslim be exposed to fresh air for 30 consecutive minutes per week to fulfill the condition of the automatic self-calibration feature. However, in some environments that might be enclosed, leading to insufficient air circulation, the sensor will not be exposed to a minimum CO₂ baseline concentration. Here, UNOslim provides a simple method to calibrate the CO₂ sensor outdoor without expensive equipment. It's also suitable for performing annual calibration to maintain the accuracy of the sensor measurement.

【Preparation】

1. A protective case and a power cable in the UNOslim Sensor Kit.
2. A 9V battery

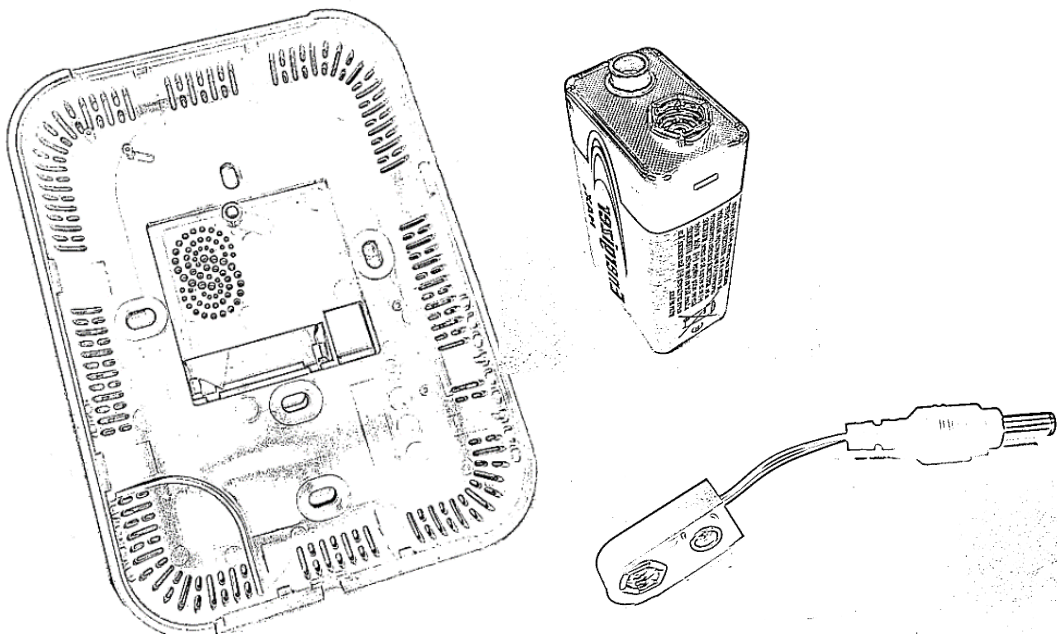


Fig. 1

【Steps】

1. Prepare a plastic card or other similar tool and insert it 2-3mm into the top gap. Be careful and DO NOT touch the electronic components. (Fig. 2)
2. Gently twist to detach the clips between the front part back part. (Fig. 3)

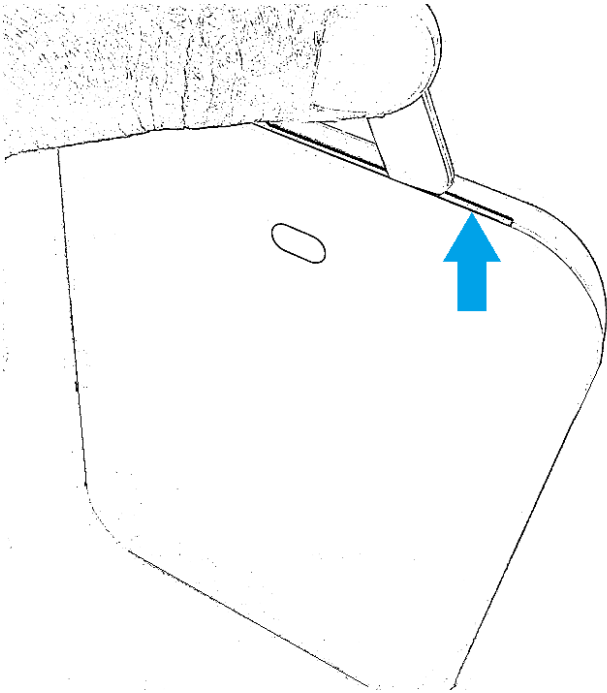


Fig. 2

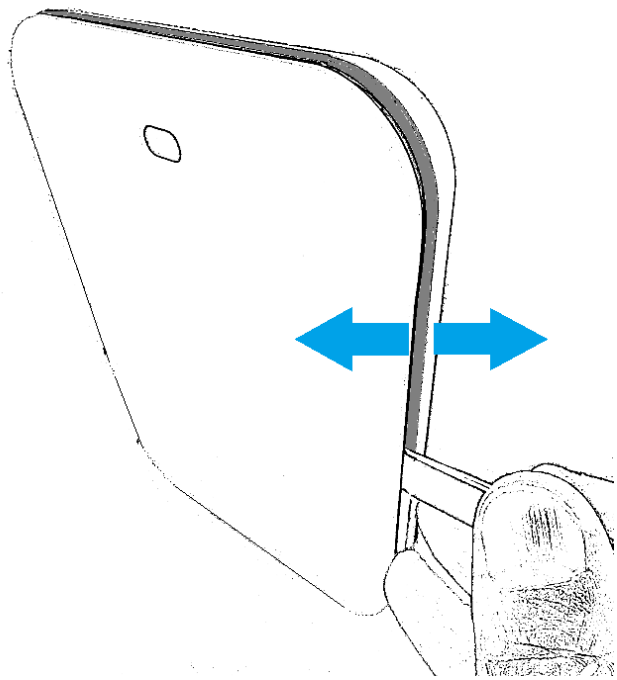


Fig. 3

3. Take the front part and assemble it with protective case, power cable, and battery. (Fig. 4)

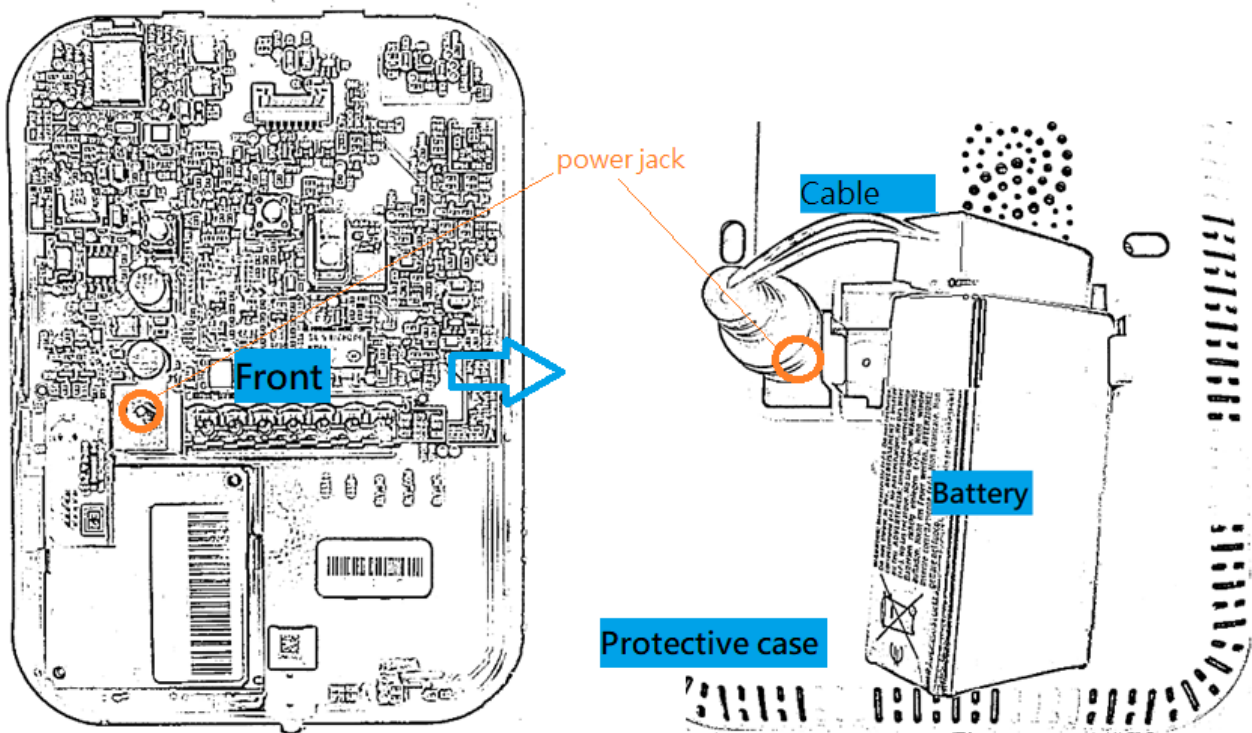


Fig. 4

4. Move the device to an **outdoor** space, away from living beings.

- Press and hold the calibration button for about 6 seconds, device will begin the calibration process, which takes approximately 3 minutes. (Fig. 5)

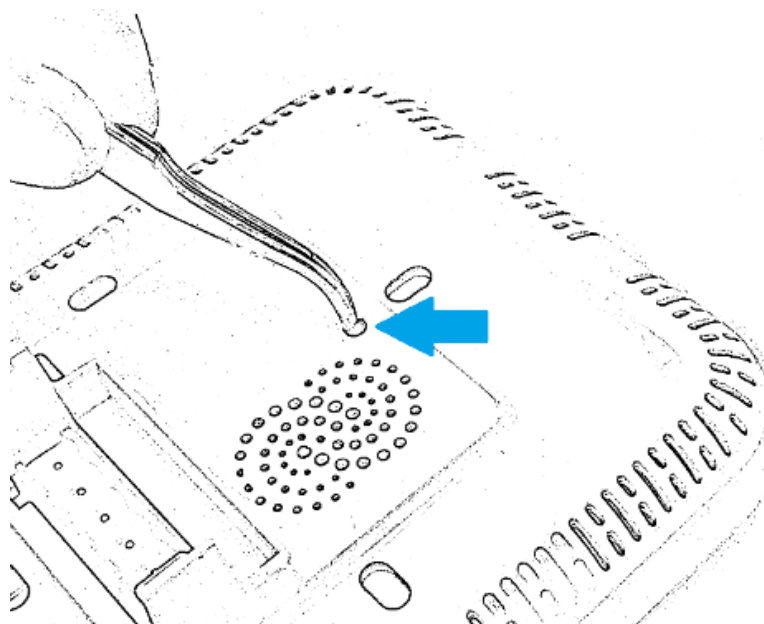


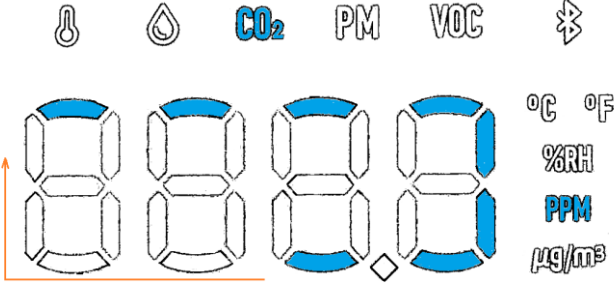
Fig. 5

- Reattach the device to the wall.

【LED state】

During the calibration process, you can monitor the current progress through the front LED light.

1. Low battery (can NOT do calibration)	<div> <div>°C °F</div> <div>%RH</div> <div>PPM</div> <div>µg/m³</div> </div>
2. CO ₂ icon blinks (sensor is initializing)	<div> <div>°C °F</div> <div>%RH</div> <div>PPM</div> <div>µg/m³</div> </div>

<p>3. Progress bars (one bar represents 15s)</p>	
<p>4. Idle (calibration done)</p>	