L logia™

WIRELESS PM2.5/PM10 AIR QUALITY ADD-ON SENSOR USER GUIDE

LOWSA100AQW

Thank you for purchasing the Logia Wireless PM2.5/PM10 Air Quality Add-On Sensor. This User Guide is intended to provide you with guidelines to ensure that operation of this product is safe and does not pose risk to the user. Any use that does not conform to the guidelines described in this User Guide may void the limited warranty.

Please read all directions before using the product and retain this guide for reference. This product is intended for household use only. It is not intended for commercial use.
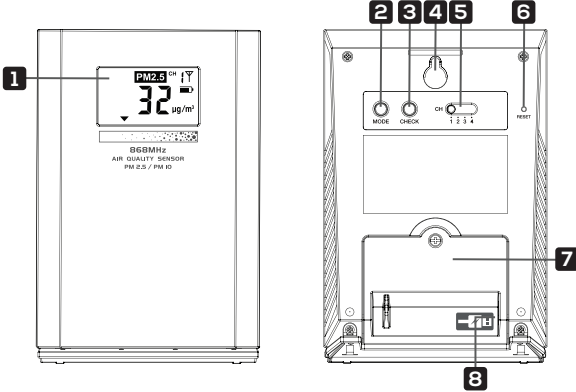
This product is covered by a limited one-year warranty. Coverage is subject to limits and exclusions. See warranty for details.

◼ SAFETY PRECAUTIONS

WARNING! Please read all safety precautions and instructions carefully before using this product. Failure to properly follow the guidelines established here could result in serious injury or damage to the product.
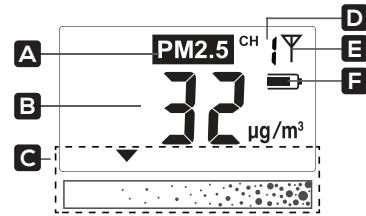
- Do not cover the ventilation holes with any items such as newspapers, curtains, etc.
- Do not clean the unit with abrasive or corrosive materials.
- Do not tamper, alter, or modify the device.
- Only use fresh new batteries in the product. Do not mix new and old batteries.
- This product is not a toy. Keep out of the reach of children.
- This product is designed for use in the home only as indication of air quality. This product is not to be used for medical purposes or for public information.
- Do not place the device near open flames or heat sources. Fire, electric shock, product damage, or injury might occur.
- Only use attachments or accessories with this product specified by the manufacturer.
- Do not submerge the unit in water. Dry the product with a soft cloth if liquid spills on it.
- Do not subject the unit to excessive force, shock, duct, extreme temperature, or humidity.
- This product is only suitable for mounting at height less than 6.6 ft. (2 m).
- Do not tamper with the unit's internal components. Tampering with the product will void the warranty.
- This product should not be placed in direct sunlight, rain, snow, or other weather conditions.
- When inserting the batteries, make sure that the positive and negative polarities match with the markings in the compartment.
- Do not mix standard, alkaline, and rechargeable batteries together.
- Dispose of old batteries responsibly and in accordance with local regulations.
- Do not subject your battery to high or low extreme temperatures or low air pressure at high altitude during use, storage, or transportation.
- Replacement of an old battery with an incorrect type of battery can result in damage to the product, leakage of flammable liquid or gas, or an explosion. Make sure to follow guidelines listed in the manual to properly replace the battery.

◼ PRODUCT OVERVIEW

1. LCD display
2. MODE button
3. CHECK button
4. Wall mounting holder
5. Channel slider (CH 1 – 4)
6. RESET button
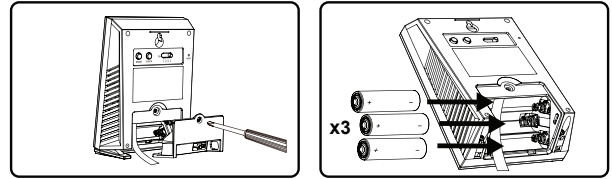7. Battery compartment
8. Micro-USB charging port

LCD DISPLAY

A. PM2.5/PM10 display mode
B. PM2.5/PM10 concentration value
C. PM2.5/PM10 concentration level
D. Sensor channel number
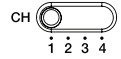E. Transmission signal
F. Battery level indicator

◼ OPERATION

INSTALLING THE BATTERIES

1. Use a screwdriver (not included) and remove battery door.
2. Insert the three (3) AA rechargeable batteries (included) into the battery compartment.
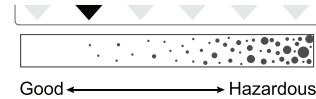3. Screw the battery door back in place.

OPERATING THE SENSOR

- Move the channel slider to set the sensor to a channel.
  NOTE: If there is more than one sensor in use, make sure to assign a different channel number to each one for measurements to properly display on main console.
- Press the MODE button to toggle between PM2.5 and PM10.
- For manual detection, press the CHECK button to get an updated measurement of PM2.5 or PM10 readings.
- In case of malfunction, use a pin to press the RESET button to restart the sensor.

View the chart below to familiarize yourself with health guidelines that should be followed during different air quality levels.

Good ←——————→ Hazardous

	PM2.5	PM10	Healthy persons	Elderly, children, pregnant women	Persons with chronic disease or heart disease
Good	0~35	0~50	Continue with normal activities	Continue with normal activities	Continue with normal activities
	36~53	51~75	Continue with normal activities	Continue with normal activities	Continue with normal activities
	54~70	76~100	Reduce prolonged or strenuous outdoor physical exertion	Minimize prolonged or strenuous outdoor physical exertion	Minimize prolonged or strenuous outdoor physical exertion
	71~150	101~350	Avoid prolonged or strenuous outdoor physical exertion	Minimize outdoor activity	Avoid outdoor activity
	151~250	351~420	Minimize outdoor activity	Avoid outdoor activity	Avoid outdoor activity
Hazardous	251+	420+	Avoid outdoor activity	Avoid outdoor activity	Avoid outdoor activity

ADJUSTING THE INTERVAL TIME OF MEASUREMENT

NOTE: When powered by a DC adapter, the sensor will automatically update readings every minute. When powered by batteries, the sensor will update readings every 10 minutes by default.

1. Press and hold the CHECK button until the display starts to flash.
2. Press the MODE button to choose between interval times: 10, 20, or 30 minutes.
3. Press the CHECK button to save the new setting.
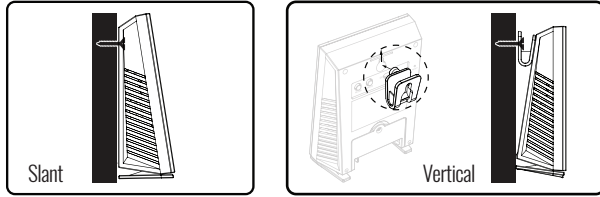
PAIRING THE SENSOR TO MAIN DISPLAY CONSOLE

- After the sensor is powered on, it will enter pairing mode for 10 minutes.
- Make sure the display console (not included) is also on, and the two devices should automatically connect.
- Once connection is successful, the signal strength indicator and PM2.5/PM10 information will appear on the display console.

NOTES: To reassign a sensor, switch the channel using the channel slider, then use a pin to press the RESET button to restart the sensor.

Updated data from the sensor is transmitted to the paired main display console at a fixed interval of 60 seconds.

MOUNTING THE SENSOR

- To mount the sensor to a wall at a slant angle, insert a screw into the wall and hang the sensor on it.
- To mount the sensor to a wall at a vertical angle, insert a screw into the wall, connect the sensor to the mounting adapter (included), and use it to hang the sensor on the screw.
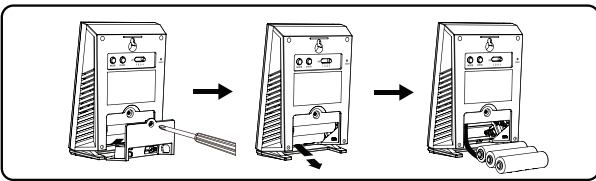

Slant   Vertical

CHARGING THE BATTERY

- When the battery level indicator shows this 🔋 icon meaning "Low Battery" you can connect the sensor to a micro-USB cable (not included) to charge it.
- The micro-USB icon 🔌 will appear on the display when the sensor is being charged by micro-USB cable.

REPLACING THE BATTERIES

1. Unscrew and remove the battery door.
2. Pull the black ribbon to remove the batteries all at once.

3. Insert three (3) new AA rechargeable batteries into the battery compartment.
4. Screw the battery door back in place.

NOTE: When the sensor's battery power is below 20%, the detection function will no longer operate until device is charged.

◼ SPECIFICATIONS

Product type: Weather/environment sensor

Product length: 3.2"

Product width: 1.6"

Product height: 4.7"

Product weight: 0.57 lbs.

Packaging length: 3.5"

Packaging width: 2.0"

Packaging height: 5.1"

Operating temperature range: -14 °F – 104 °F (-10 °C – 40 °C)

Operating humidity range: RH 1% to 90%

RF frequency: 915 MHz

RF transmission range: 300'

Number of channels: 4

Mass concentration precision:

   PM2.5: ±15 µg/m³ @ 0 to 100 µg/m³ (at 77 °F (25 °C))
   ±15% @ 100 to 1000 µg/m³ (at 77 °F ±41 °F (25 °C ±5 °C))
   PM10: ±30 µg/m³ @ 0 to 100 µg/m³ (at 77 °F (25 °C))
   ±30% @ 100 to 1000 µg/m³ (at 77 °F ±41 °F (25 °C ±5 °C))

Mass concentration range: 1 to 1000 µg/m³

Mass concentration resolution: 1 µg/m³

Power source required: Yes

Power source: 3 x 1.2 V AA rechargeable Ni-MH batteries (included) or micro-USB cable (not included)

Location: Indoor use only

Installation required: No
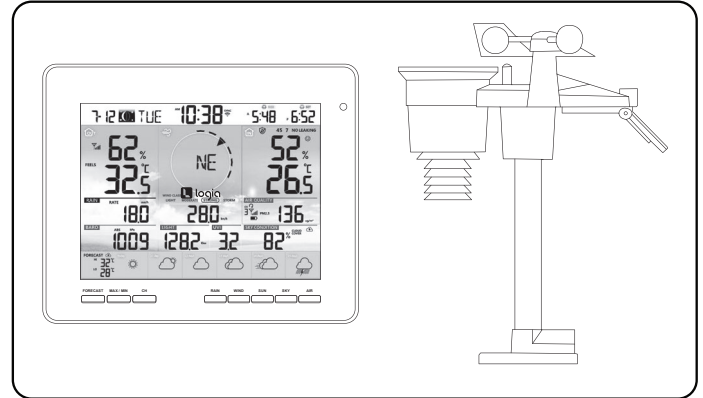
Adult assembly required: No

Additional tools required: Screwdriver

Country of origin: China
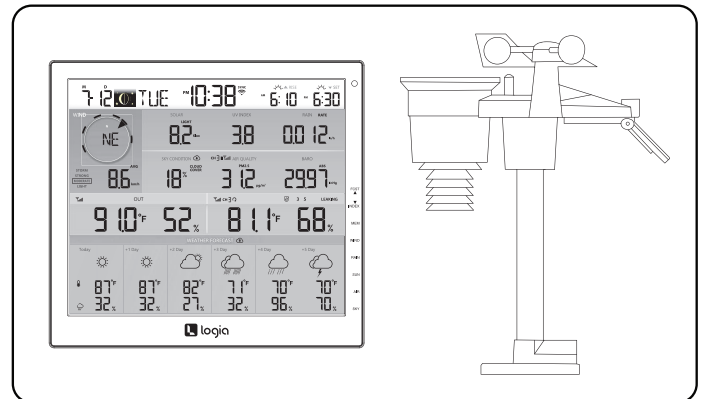
Warranty included: Yes

Warranty length: 1 year
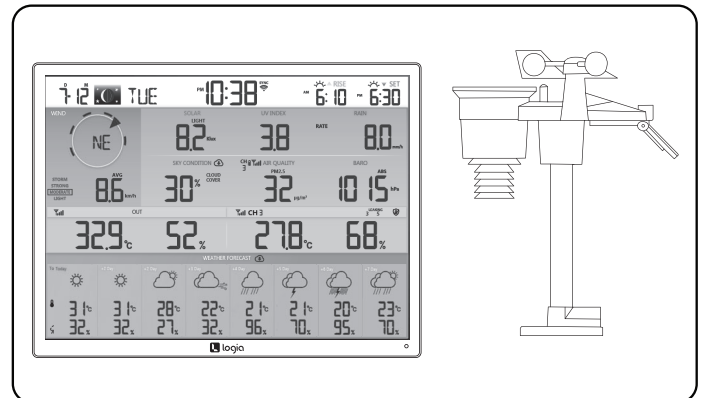
◼ COMPATIBLE LOGIA WEATHER STATIONS

7-in-1 Wireless 6-Day Forecast Weather Station with Wi-fi® and Everlasting Solar Cell
Model #: LOWSC715FWB

7-in-1 Wireless 6-Day Forecast Weather Station with Wi-fi®, Everlasting Solar Cell, and Ultra-Wide Display
Model #: LOWSC715FWB10

7-in-1 Wireless 8-Day Forecast Weather Station with Wi-fi®, Everlasting Solar Cell, and Ultra-Wide Display
Model #: LOWSC715FWB19

Visit **www.logiaweatherstations.com** for the most updated list of compatible Logia weather stations.

◼ WARRANTY INFORMATION

Visit **www.logiaweatherstations.com** to view our limited time warranty.

QUESTIONS OR PROBLEMS? CONTACT US!

Email: info@supportcbp.com or call: 833-815-0568