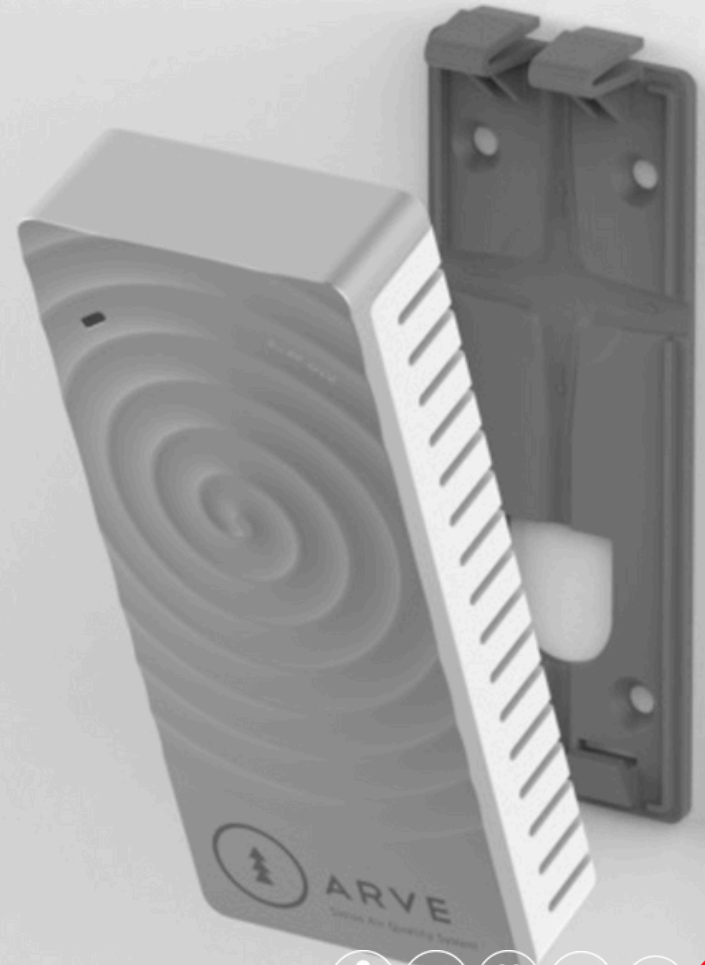




Installation, Deployment, and Configuration Manual

Wall-mounted and tabletop-ready stand

- Installation Requirements
- Connecting to Wi-Fi
- Positioning Requirements
- Wall Bracket Mounting
- Device Registration in the ARVE Dashboard



The ARVE Installation Guideline provides step-by-step instructions to ensure a smooth and efficient setup of your ARVE system. Whether you are installing wall-mounted or tabletop units, this guide covers all the necessary steps, from preparing your space to connecting devices and configuring the software.

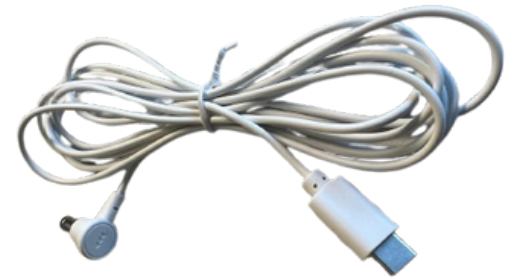
ARVE Installation Requirements



ARVE SENSE Pro Device
the main air quality sensor unit



Wall Mounting Bracket with Adhesive
Strip – for secure wall installation

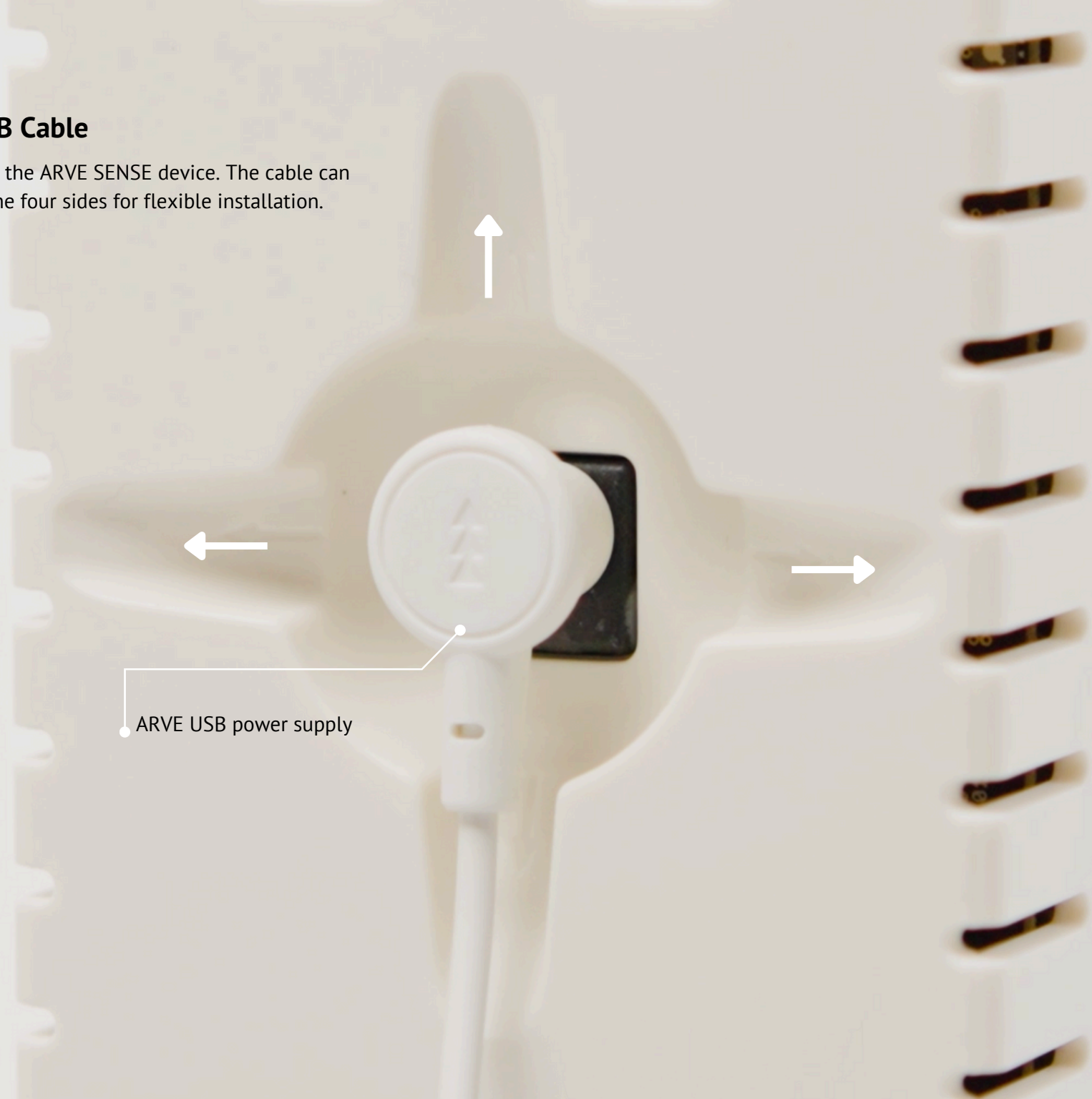


ARVE USB Power Supply Unit
to provide power to the device



Connecting the USB Cable

Connect the USB cable to the ARVE SENSE device. The cable can be inserted from any of the four sides for flexible installation.



ARVE USB power supply



Configuring ARVE SENSE Pro Wi-Fi via Access Point Mode (Firmware version < 2.0.2)

- Make sure that the device is plugged in and that there are no active Wi-Fi networks with the same credentials as the device's default credentials.
- After powering on and failing to connect to the default Wi-Fi network, the device will enter Access Point (AP) mode, indicated by a constant purple LED.
- Open the Wi-Fi settings on your computer or smartphone and search for the Wi-Fi network name, which will appear as 'ARVE-serial_number_of_your_device' (e.g., 'ARVE-A0120-0000-0000-0154').
- Connect to this Wi-Fi network.

Note: The device functions as an access point only, meaning that users will not have an internet connection while connected to the device's network.

- Open a web browser while connected to the device's access point network.
- Enter the following IP address: 192.168.4.1
- A simple form will appear. Fill in the 'SSID' and 'Password' fields with the name and password of the network you want to connect the device to.
- Click the 'Submit' button. The device's LED will begin flashing purple.
- After a short time, the device's LED will change to a steady blue color, and shortly afterward, it will display one of three colors—green, orange, or red—to indicate the air quality.



Configuring ARVE SENSE Pro Wi-Fi via Mobile App (Device Firmware Version \geq 2.0.2)

- Ensure the device is plugged in and that no active Wi-Fi networks use the same default credentials as the device.
- When the device fails to connect to the default Wi-Fi network, it will enter Smart Config mode, indicated by a steady purple LED.
- Open the ARVE Mobile App, log in to your account, and navigate to the Wi-Fi configuration section by tapping the Wi-Fi icon in the main menu.

Note: Ensure your phone is connected to the Wi-Fi network whose credentials you will provide to the device.

- Enter the network name (SSID) and password in the respective fields.
- Tap the 'Submit' button. Configuration may take a few moments. After successful setup, the app will display the device's IP and MAC addresses, and the LED will begin flashing purple.
- Shortly afterward, the LED will turn solid blue and then change to green, orange, or red to indicate air quality.



ARVE LED Behavior During Startup and Wi-Fi Connection

The ARVE device powers on automatically. During startup, the device's LED will blink purple for 10 seconds, then it will search for the Wi-Fi network using the preconfigured credentials.

- Blinking Purple: Booting up
- Blinking Purple-Blue: Wi-Fi connection in progress
-

If the Wi-Fi connection is successful, the LED will briefly turn blue before changing to red, yellow, or green. If the connection fails, the device will switch to Access Point mode.

After Wi-Fi connection, two possibilities:

- Constant Purple: Access Point mode
- Constant Green/Yellow/Red: The device is operating and displays a color corresponding to the air quality.



LED Status Overview

1. Device Overview

The built-in multi-color LED indicator communicates the device's current state: power, Wi-Fi, firmware updates, and real-time CO₂-based air quality levels.

2. LED Status Indicators

2.1 Power On / Startup

 Alternating Blue/Purple (blinking)


Device is powering on and performing self-check. Wait; Wi-Fi connection follows.

2.2 Wi-Fi Connected

 Solid Blue (~2s)

Device connected to Wi-Fi. LED will switch to Air Quality Display Mode.


2.3 Wi-Fi Not Connected

 Blinking → Solid Purple

Device failed to connect; entered SmartConfig Mode.

Action: Open app → Wi-Fi Config → enter SSID/password → follow instructions. LED turns Solid Blue when connected.

2.4 SmartConfig Timeout

 Blinking Blue



Wi-Fi setup not completed in 5 min; device enables Firmware Update Mode.

2.5 Firmware Update Mode (v2.5)

 Solid Blue

Device hotspot created for firmware upload.




Action: Connect PC → open upload page → upload firmware → device restarts.

 OTA Timeout:  Blinking → device restarts to startup mode.



Normal Operation & Additional Notes

2.6 Normal Operation (Air Quality Display Mode)

Air Quality	CO ₂ Range	LED Color	Description
Good	<1000 ppm	 Green	Air fresh and healthy. Optimal comfort and productivity.
Moderate	1000–2000 ppm	 Orange	Air declining. Open windows or adjust HVAC.
Poor/Bad	>2000 ppm	 Red	Poor air quality. Increase fresh air circulation immediately.

2.7 Device Restart

 Alternating Blue/Purple (blinking)

Device rebooting; performing startup check. Wait or reconfigure Wi-Fi if needed.

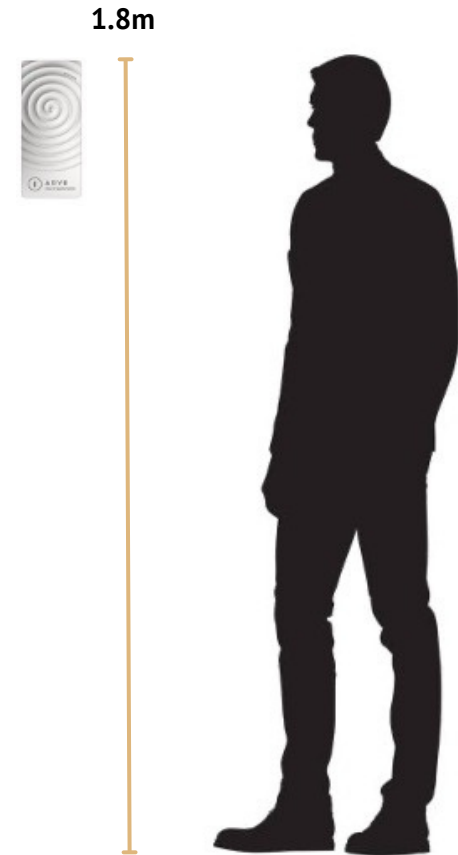
3. Additional Notes

- Do not disconnect power during firmware upload or SmartConfig.
- LED brightness may vary with ambient lighting.
- If LED off >10s, ensure power and not in deep sleep mode.



Wall-Mounted Installation Guidelines

- Place the ARVE Sense in a central location with good air circulation.
- Keep at least 2 meters away from windows, vents, and heat sources (TVs, lights, etc.).
- Mount the device 0.8 to 1.8 meters above the floor, avoiding direct sunlight.
- Do not install the device above heat sources.
- Note: Confirm the planned device position in the room according to the installation plan before starting installation.



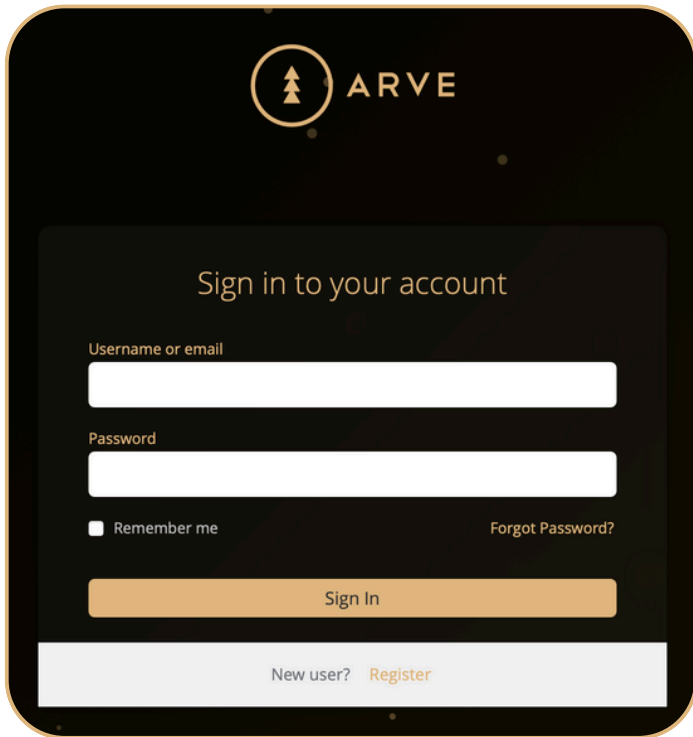
Attaching the Wall Bracket

- Position the wall bracket/holder at the planned height and location.
- Secure the bracket to the wall using the provided adhesive strip or screws.
- Ensure the bracket is level and firmly attached before mounting the ARVE Sense device.
- Tip: Double-check the installation height according to the wall-mounted height requirements (0.8–1.8 meters above the floor).



Installation Successful – Access Your Data

- After successfully connecting the ARVE Sense, room data will be available immediately.
- Log in to your ARVE account at: <https://dashboard.arveair.com/>
- Your device is now fully operational and reporting real-time air quality.



Need Help or Support?

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Breathe with Confidence – with ARVE

Ensure your ARVE SENSE Pro is always running at peak performance.

