MONITOR INSTALLATION

THANKS FOR VOLUNTEERING TO HOST AN AIR QUALITY MONITOR!
CONTACT AIRQUALITY@UCMERCED.EDU WITH ANY QUESTIONS OR CONCERNS

Pre-registration and Testing Prior to Deployment

All PurpleAir monitors are pre-registered and tested by University of California, Merced. Each monitor has a unique ID (XX: XX: XX:XX:XX: XX). When re-activating the monitor (as described below), you will use the last four digits of the device ID (e.g. UCM-XXXX).

Field Deployment Guidelines

It is important that monitors follow the same siting and installation guidelines. **Please read all guidelines and complete Monitor Re-Activation before Installing your monitor.**
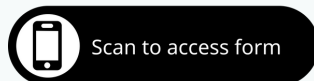
Placement Guidelines

- Sufficient ambient air flow
  - ☐ It is important for monitors to be located away from any wind barriers, such as trees, and away from nearby pollution sources, such as BBQs or exhaust from vents or vehicles.
- Security, power and protection from elements
  - ☐ It is important for monitors to be in locations that are secure, have access to a standard 120V AC power outlet and, if possible, are protected from direct sunlight and rain, such as under the eaves of a roof.

Installation Guidelines

- Placement Documentation
  - ☐ Be sure to document the unique monitor Name, time and date, location, address and site description with photos) and site contact person (with contact info)
  - ☐ Fill out the following form with the given information by typing in the link or scanning the QR code with your mobile device.

https://forms.gle/VCnFmzmYun3z2vHF7
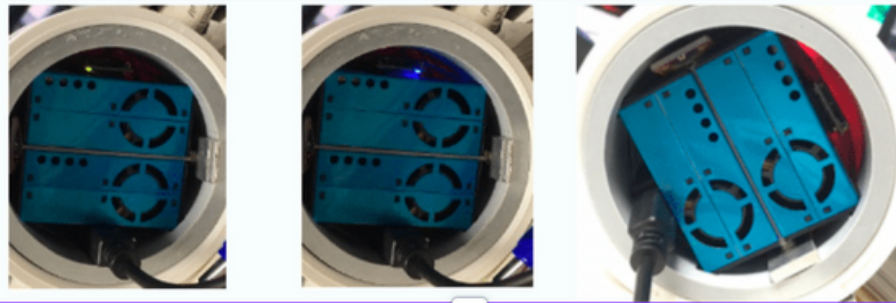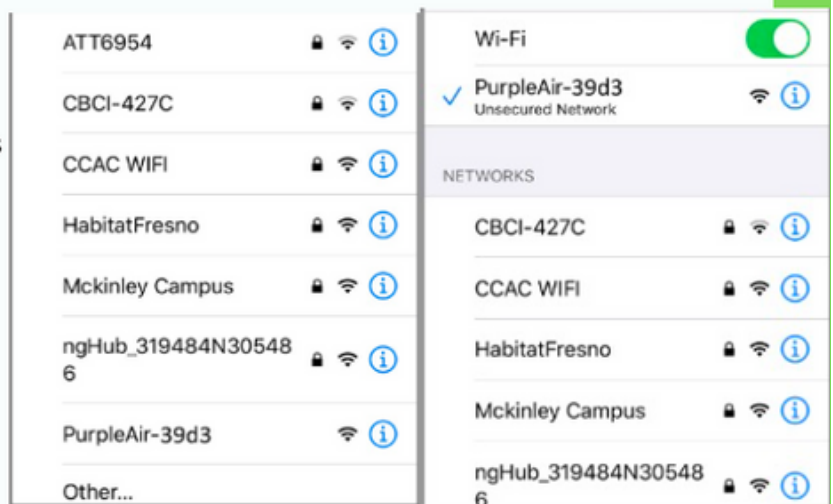

Scan to access form

- Monitor Mounting
  - ☐ Monitors include a mounting bracket that can be easily attached to a wooden surface with a screw or hook. You may also need an extension cord to reach the nearest power outlet.

- Monitor Re-Activation (Monitor Re-Activation (each step may take a few minutes)
  - ❑ The monitors have been pre-registered, so you will only need to change the Wi-Fi network settings (while you are at the placement location).
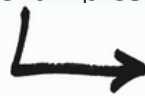
1. Plug in your PurpleAir Monitor (small blue and green LEDs will temporarily flash inside indicating monitor is plugged in -you may also notice a red LED on the top inside.

2. On your smartphone, tablet or laptop, open your Wi-Fi settings and wait for the "UCM-XXXX" network to appear (this could take 15 minutes; if it does not appear try turning your Wi-Fi OFF and ON again)

3. Click to join the "UCM-XXXX" network, as shown in the examples (PurpleAir-39d3)

4. A new screen should automatically pop-up indicating your monitor (PurpleAir-XXXX) with a grey header stating "WiFi Disconnected, Please configure WiFi"

5. Select the Wi-Fi network that you will be utilizing at the site, enter the password at the bottom of the page and click the "Save" button (it may or may not indicate it has been clicked, as shown)

6. Wait for the new screen to appear with an orange header stating "WiFi Connected, Checking status", as shown here (this may take a few seconds). If this screen does not appear, try re- entering WiFi password

7. **Do NOT click "register on the map"**. Continue to wait for the status to update to green header "WiFi Connected, Looking good!" as shown at right (this may take a minute)

Congratulations the installation is now complete, you can view your sensor under UCM-####!

It is important for monitors to be sited away from any wind barriers, such as trees, and away from nearby pollution sources, such as BBQs or exhaust from vents or vehicles.