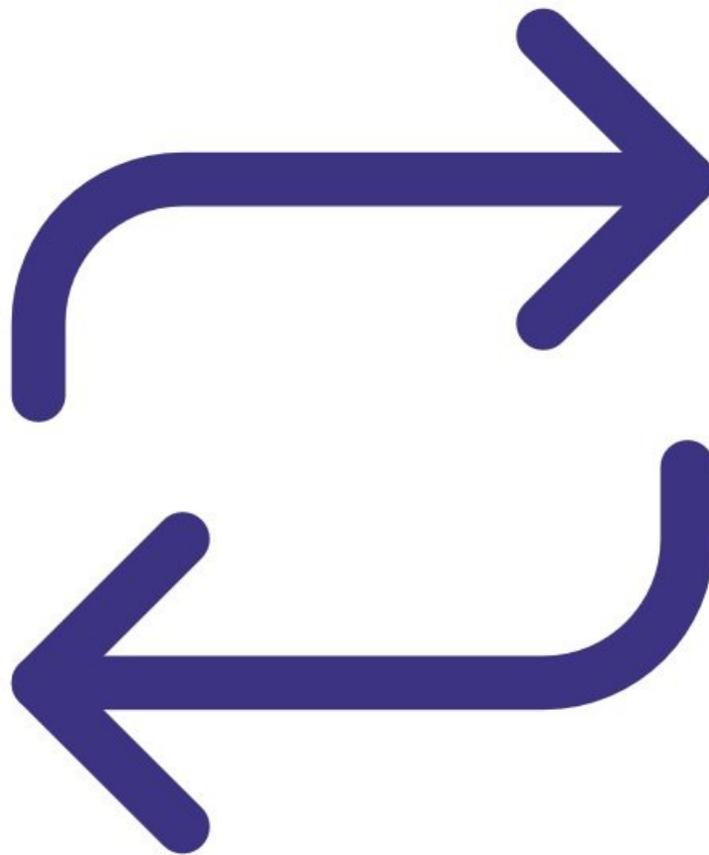


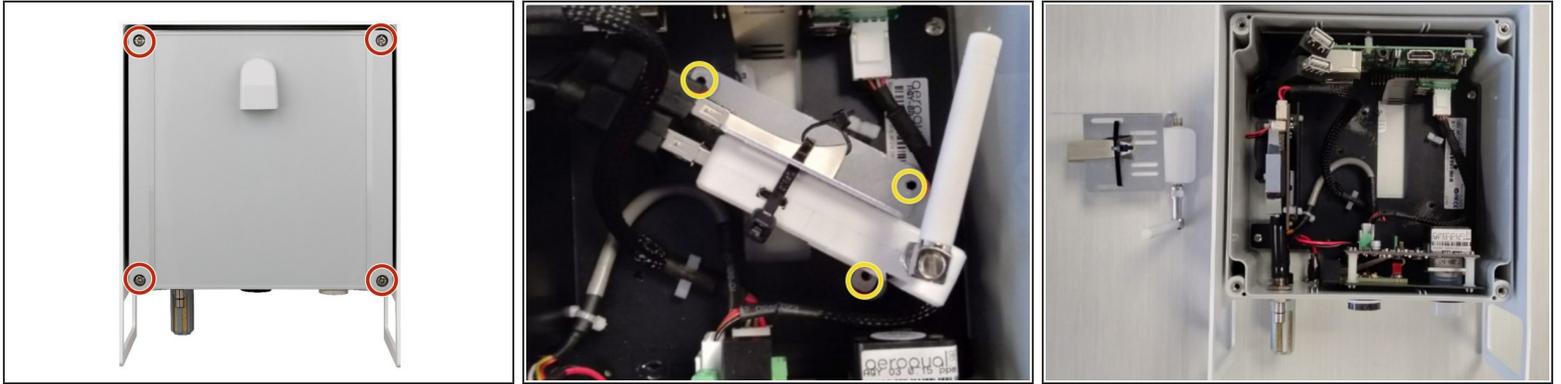


# Replace SD card

Written By: StJohn Vuetilovoni

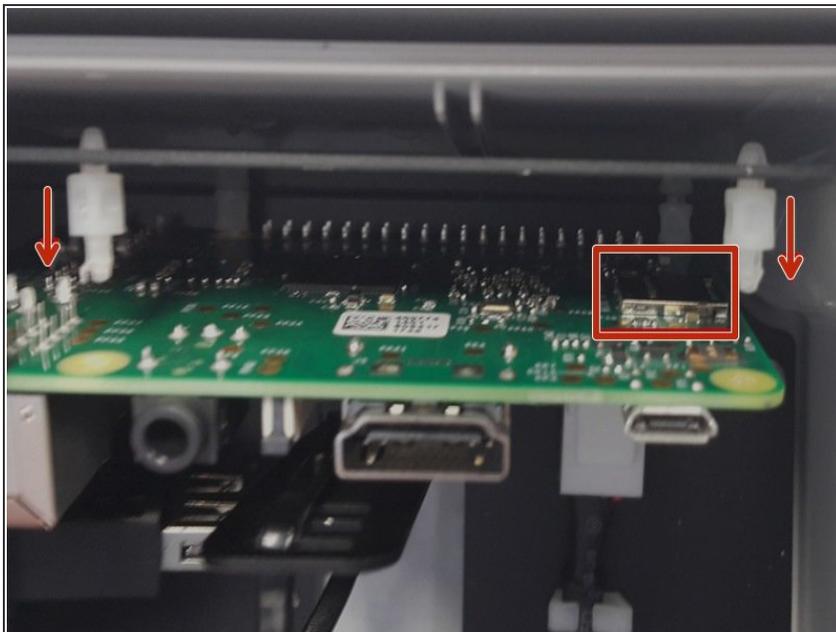


## Step 1 — Remove modem



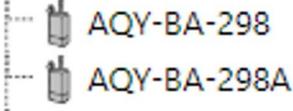
- Disconnect the power supply at the bottom of the AQY 1 unit.
- Remove the front cover by loosening all 4 screws (they won't come out of the casing).
- Unscrew the modem/USB mounting bracket.
- Disconnect the USB connections and remove the entire bracket with USB backup and modem attached.

## Step 2 — Replace SD card



- Pull down the raspberry Pi at the top right of the enclosure to separate it from the white connectors. This gives you access to the SD card.
- Fit the new SD card.
- Push the raspberry Pi back up and re-connect the modem/USB backup bracket.

## Step 3 — Transfer calibration



AQY-BA-298  
AQY-BA-298A

| Calibration parameters |            |           |           |               |                                |                            |                               |                           |            |         |          |
|------------------------|------------|-----------|-----------|---------------|--------------------------------|----------------------------|-------------------------------|---------------------------|------------|---------|----------|
|                        | NO2<br>ppb | Ox<br>ppb | O3<br>ppb | O3 raw<br>ppb | PM2.5 raw<br>µg/m <sup>3</sup> | PM2.5<br>µg/m <sup>3</sup> | PM10 raw<br>µg/m <sup>3</sup> | PM10<br>µg/m <sup>3</sup> | TEMP<br>°C | RH<br>% | DP<br>°C |
| Gain                   | 1.000      | 1.000     | 1.000     | 1.000         | 1.578                          | 1.000                      | 1.578                         | 1.000                     | 1.000      | 1.000   | 1.000    |
| Offset                 | 0.0        | 0.0       | 0.0       | 0.0           | 0.0                            | 0.0                        | 0.0                           | 0.0                       | 0.00       | 0.0     | 0.0      |
| a                      | 1.100      |           | 2.550     |               |                                |                            |                               |                           |            |         |          |
| b                      |            |           | 1.870     |               |                                |                            |                               |                           |            |         |          |

| Calibration parameters |            |           |           |               |                                |                            |                               |                           |            |         |          |
|------------------------|------------|-----------|-----------|---------------|--------------------------------|----------------------------|-------------------------------|---------------------------|------------|---------|----------|
|                        | NO2<br>ppb | Ox<br>ppb | O3<br>ppb | O3 raw<br>ppb | PM2.5 raw<br>µg/m <sup>3</sup> | PM2.5<br>µg/m <sup>3</sup> | PM10 raw<br>µg/m <sup>3</sup> | PM10<br>µg/m <sup>3</sup> | TEMP<br>°C | RH<br>% | DP<br>°C |
| Gain                   | 1.000      | 1.000     | 1.000     | 1.000         | 1.000                          | 1.000                      | 1.000                         | 1.000                     | 1.000      | 1.000   | 1.000    |
| Offset                 | 0.0        | 0.0       | 0.0       | 0.0           | 0.0                            | 0.0                        | 0.0                           | 0.0                       | 0.00       | 0.0     | 0.0      |
| a                      | 1.100      |           | 2.550     |               |                                |                            |                               |                           |            |         |          |
| b                      |            |           | 1.870     |               |                                |                            |                               |                           |            |         |          |

- Aeroqual Cloud shows serial numbers for both the old and new SD cards.
- Navigate to the **Manual Entry** area of the **Calibration and Service** app for the original serial number and record the calibration parameters.
- Navigate to the **Manual Entry** area of the **Calibration and Service** app for the new serial number and enter the parameters you recorded.
- ⓘ If your replacement SD card has the serial number “SPARE”, log in to Aeroqual Cloud and contact Aeroqual.

For further support, contact [Technical Support](#).