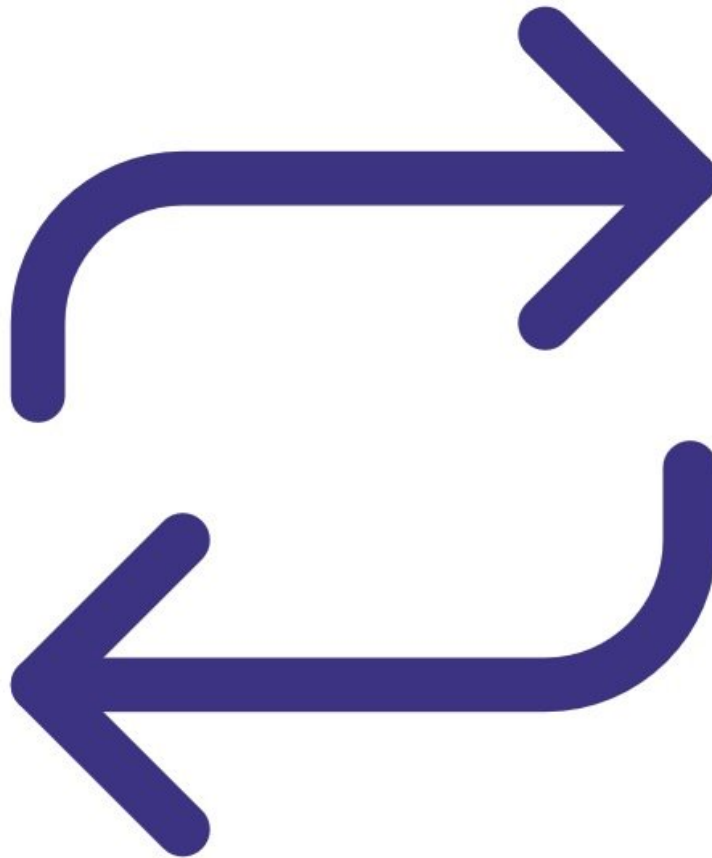


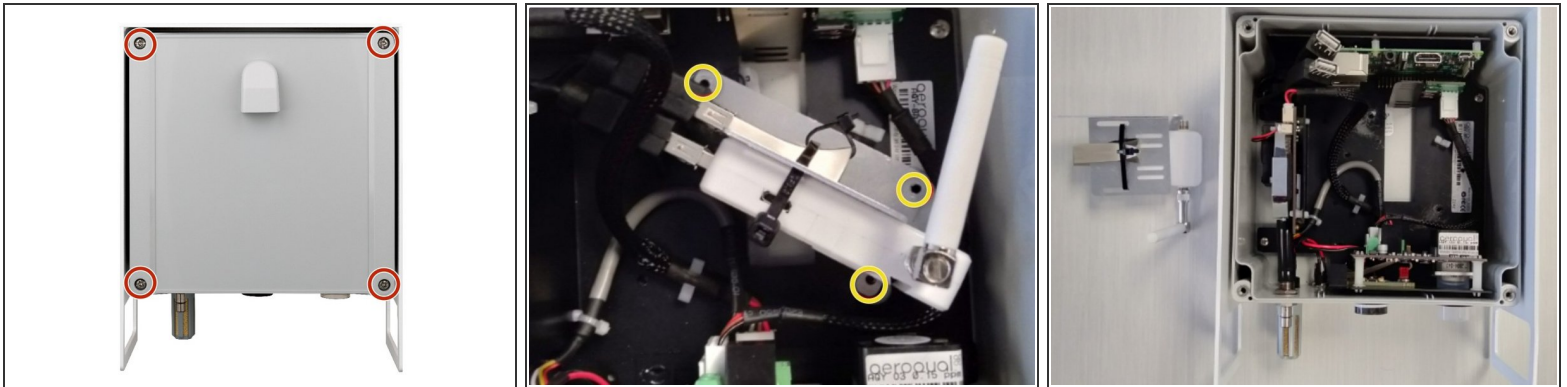


# Replace SD card

Written By: StJohn Vuetilovoni

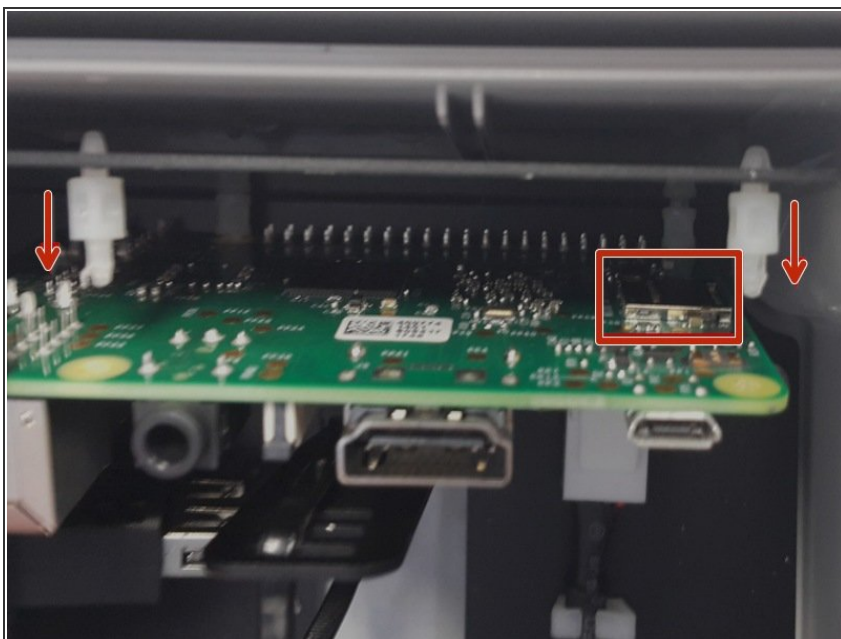


## Step 1 — Remove modem



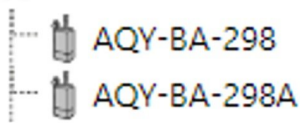
- Disconnect the power supply at the bottom of the AQY 1 unit.
- Remove the front cover by loosening all 4 screws (they won't come out of the casing).
- Unscrew the modem/USB mounting bracket.
- Disconnect the USB connections and remove the entire bracket with USB backup and modem attached.

## 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



Calibration parameters											
	NO2 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	PM10 raw µg/m³	PM10 µg/m³	TEMP °C	RH %	DP °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 ppb	Ox ppb	O3 ppb	O3 raw ppb	PM2.5 raw µg/m³	PM2.5 µg/m³	PM10 raw µg/m³	PM10 µg/m³	TEMP °C	RH %	DP °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](#).