

# Application Note



## AQ2 Sync App Interface Guide

153-0065-0A 3/13/2025

Applies To: Senva AQ2 Series

Description: Interface Guide for how to configure the AQ2 products using the Senva Sync Mobile App.

### OVERVIEW

The Senva Sync Mobile App uses near-field communication (NFC) to interface with the AQ2. Using the app you are able to configure device settings, communications settings, and even create templates that can be used to configure multiple devices without even having to remove the device from its packaging.

Contact Senva Tech Support at **(503) 462-1649** for any additional questions.

### SCANNING DEVICE

- 1) Open the Sync App on your mobile device and press the "Scan Device" button



- 2) Hold the NFC scanner on your mobile device close to the AQ2 (NFC scanner is usually close to the camera on your mobile device). Note:
- 3) Once the AQ2 has connected, a green checkmark will be displayed on the App and then the main device information screen will display

## DEVICE SETTINGS

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- 1) Note: Reference the TotalSense Display Navigation Manual for details on each setting.
- 2) Select "Edit Settings" from the main menu.



- 3) LED Ring Brightness (LED Ring option only):









4) Display Settings:

Display		
Center Home Source	Temperature	
Top Left Source	None	
Top Right Source	Temperature	
Bottom Left Source	None	
Bottom Right Source	Temperature	
Menu Brightness	Low	
Language	English	
Warning Icon Visibility	Show	
Error Icon Visibility	Show	
Display Lock	Disabled	
Display Lock Override	Disabled	
Screen Saver View	None	
Menu Brightness	High	
Screensaver Timeout	1 Minutes	


5) Analog Output Settings (Analog and Dual Comms units only, Qty depends on model):

Analog		
DIP Voltage Select	Enabled	
Output 1 Source	CO2	
(Out 1) Min Voltage	0 V	
(Out 1) Max Voltage	10 V	
(Out 1) Min Current	4 mA	
(Out 1) Max Current	20 mA	

6) CO2 Settings (If Installed):

CO2		
Reading Offset	0 PPM	
Analog Minimum	0 PPM	
Analog Maximum	10000 PPM	
Auto Cal Enable	Enabled	
Auto Cal Baseline	400 PPM	
Auto Cal Period	14 Days	



7) Temperature Settings (Options differ based on Transmitter, Thermistor, and Comms):

Temperature		
Reading Offset	0 °F	
Analog Minimum	50 °F	
Analog Maximum	95 °F	
Units	°F	







8) Temp Setpoint Settings:

Temperature Setpoint		
Show Update	Show	






9) Occupancy/PIR:

Occupancy		
Sensitivity	80	
Delay	10 Minutes	

### 10) Relay Settings:

Relay		
Relay Source	CO2	
Relay Polarity	Normally Open	
Turn Off	7 %	
Turn On	9 %	
Min On Time	60 Seconds	
Min Off Time	60 Seconds	



### 11) PID Settings:

PID		
CO2 Setpoint	300 PPM	
P Coefficient	40	
I Coefficient	40	
D Coefficient	50	
PID Invert	Disabled	


12) Air Quality Settings:

Air Quality		
Poor/Fair Threshold	55	
Fair/Good Threshold	75	
CO2 Enable	Enabled	
AQ CO2 Lo	2000 PPM	
AQ CO2 Hi	800 PPM	


13) Particulate Matter Settings:

Particulate Matter		
Clean Interval	168 Hours	
PM Size Selector	PM2.5	




14) Humidity Settings:

Humidity		
Reading Offset	0 %RH	

15) VOC Settings:

VOC		
Conversion Scale Factor	1	

16) BACnet/Comms Settings:

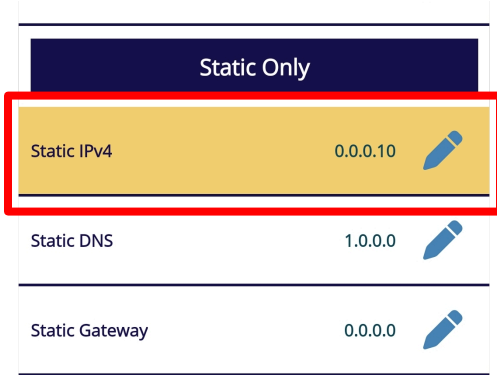
BACnet		
Device Name	AQ2-017725	
Device Description	Indoor Air Quality Sensor	
Device Location	N/A	
Device Instance	5004	
Max Master	127	



## WRITING UPDATES

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- 1) Any settings that have been modified will be highlighted in Yellow. Once all desired settings have been changed, press the "Save" button.



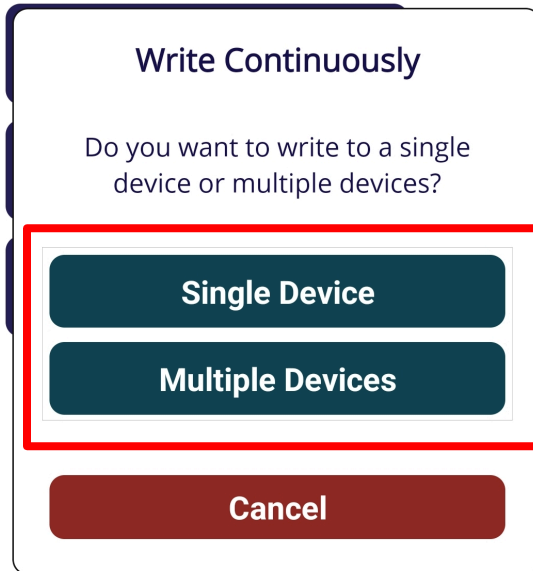
- 2) Click "Yes" to accept updates.



- 3) Click the "Write Device" button.



Select either "Single Device" or "Multiple Devices" depending on how many devices you are updating.



- 4) Hold the NFC scanner on your phone close to the device, a green checkmark will pop up on the screen once it is connected and settings have been updated.

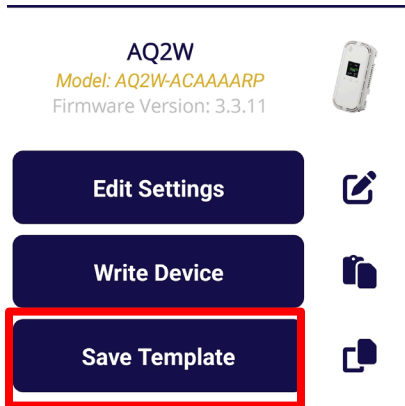


- 5) When updating multiple devices, you will be prompted to scan each device individually.

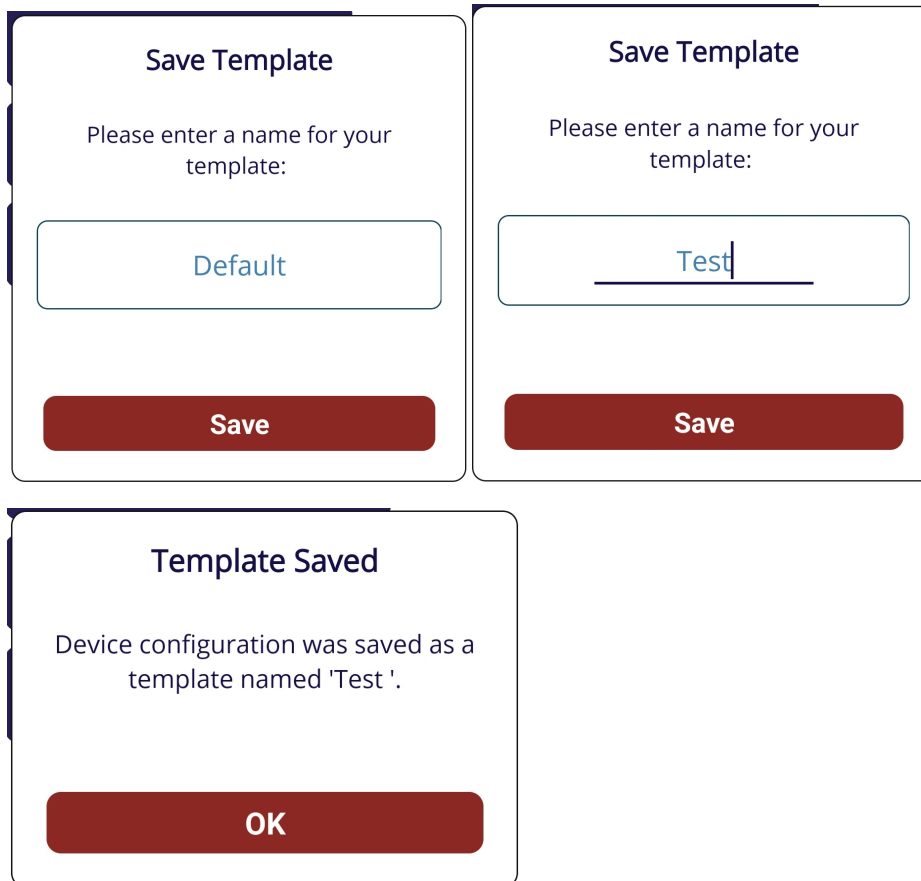
## TEMPLATE CREATION

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- 1) When your device is configured as desired, click the "Save Template" button to create a template that can be used to configure additional devices with the same settings.



- 2) Enter the desired name for your template (Default: "Default"). Click "Save" once done. Click "OK" to confirm that the template was saved.



- 3) All Templates can be found by clicking on the “Templates & Sessions” button on the main app screen.



- 4) The Templates menu can be used to view available templates, modify settings, write to device(s), import new template files, export template files, and delete templates.

