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# Application Note



## TGR Sync App Interface Guide

153-0063-0A 2/21/2025

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Applies To: Senva TGR Series

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

### OVERVIEW

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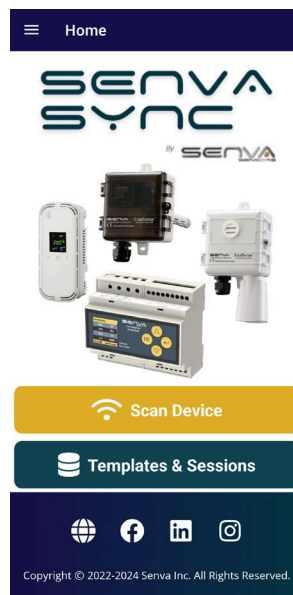
The Senva Sync Mobile App uses near-field communication (NFC) to interface with the TGR Sensor. Using the app you are able to configure product settings, output/communications settings, and even create templates that can be used to configure multiple devices without even having to remove the device from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

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

### SCANNING DEVICE

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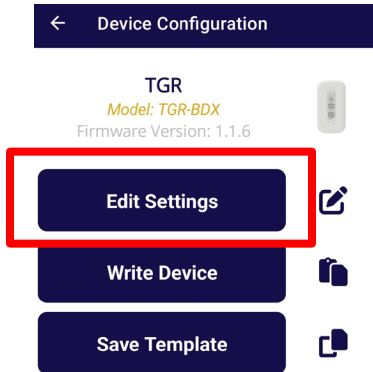
- 1) Open the Sync App on your mobile device and press the "Scan Device" button








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

## DEVICE SETTINGS







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






- 3) Note: Available settings are dependent on number and type of sensing elements installed. Sensor 1 settings shown below. If Sensor 2 is installed, the same settings will be available for configuration as well.

TGR Model: TGR-BDX		TGR Model: TGR-BDX	
<b>Sensor 1</b>		Span Min	0
Technology	CO2 NDIR	Life Days Left	1825
Gas Type	CO2	Cal Days Left	1825
Span Max	10000	Warning Setpoint	800 
		Alarm Setpoint	5000 
		Hysteresis	0 
		Aout Min	0 
		Aout Max	10000 






4) Relay Settings:

Relay		
Trouble Relay Polarity	Normally Closed	
Trouble Relay Min On Time	60 Seconds	
Trouble Relay Min Off Time	60 Seconds	
Alarm Relay Polarity	Normally Closed	
Alarm Relay Min On Time	60 Seconds	
Alarm Relay Min Off Time	60 Seconds	

5) Miscellaneous Settings:

Misc		
Extended Alarm Time	30 Minutes	
Fire Control Mode	Disabled	
External Silence	Enabled	







6) Dip Switch Settings:

Dip Switches		
Dip Switch Enable	Enabled	
Protocol	BACnet	
Baud Rate	38400	
Modbus Address	64	
Modbus Parity	8N1	

7) Analog Specific Settings:

Aout1 Min Voltage	0 V	
Aout1 Max Voltage	10 V	
Aout1 Min Current	4 mA	
Aout1 Max Current	20 mA	
Aout2 Min Voltage	0 V	
Aout2 Max Voltage	10 V	
Aout2 Min Current	4 mA	
Aout2 Max Current	20 mA	

8) BACnet Specific Settings:






BACnet	
Device Name	TGR-102502 
Device Description	Wall Mounted Dual Gas Detector 
Device Location	N/A 
Device Instance	665502 
Max Master	127 
MAC Address	64 

## 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.

**TGR**  
Model: TGR-BDX

Life Days Left	1825
Cal Days Left	1825
Warning Setpoint	1000 
Alarm Setpoint	5000 
Hysteresis	0 
Aout Min	0 
Aout Max	10000 

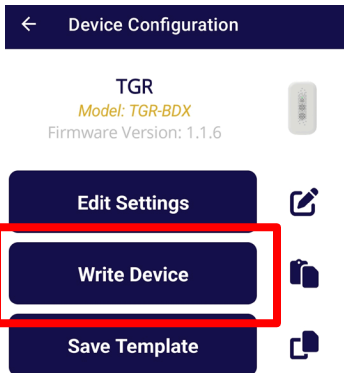
Sensor 2

**Revert All** **Save**

- 2) Click "Yes" to accept updates.



3) Click the "Write Device" button.



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



5) 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.

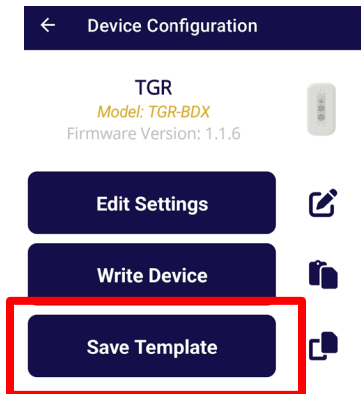


- 6) When updating multiple devices, you will be prompted to scan each device individually.

## 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.

The image displays three sequential screenshots of a 'Save Template' dialog box. Each dialog has a title bar, a prompt, an input field, and a 'Save' button.

- First Screenshot:** The title is 'Save Template'. The prompt is 'Please enter a name for your template:'. The input field contains the text 'Default'. The 'Save' button is at the bottom.
- Second Screenshot:** The title is 'Save Template'. The prompt is 'Please enter a name for your template:'. The input field contains the text 'Test'. The 'Save' button is at the bottom.
- Third Screenshot:** The title is 'Template Saved'. The message is 'Device configuration was saved as a template named 'Test ' . The 'OK' button is at the bottom.



- 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.

