# OTA Series

Quick Start Guide
V1.04

OTA Series

The OTA series is the second generation of Wi-Fi Sensors from SensoScientific. This series of nodes boasts over-the-air upgrade (OTA) capabilities. This enable the devices to remotely upgrade firmware without the need to be manually serviced. The devices offer a 2.7" e-ink technology display which constantly shows the most current readings on the node. Critical functions include 2.4GHz 802.11 b/g/n Wi-Fi compatibility with an onboard visual and audible alarm in the event of data excursions. The battery level is shown along with several feedback notifications on the upper panel of the display. Additional alerts can be provided through a variety of methods such as SMS, text message, voice call, pager, cell phone, fax, and e-mail. All data is time-stamped and recorded – holding over 4000 readings locally and transmitting data to cloud storing up to 5 years of data.

Getting to Know Your Device
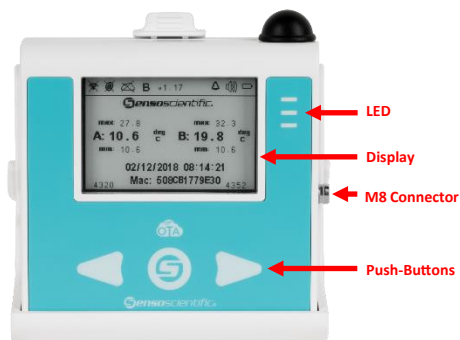
Setting Up Your Device

If you have opted for pre-configuration of Wi-Fi, please disregard "Setting Up Your Device"

Step 1 – Download App

Go to your phone's app store.
Search and download "*SensoScientific*".

Step 2 – Set Device to Provisioning Mode

The OTA device must be configured to the provisioning mode. This is done by turning the device on (put the batteries in). The device screen will flash, and the yellow LED will turn on solid. The device will attempt to connect to a Wi-Fi source for 15 seconds. After this time, the device will alert that no connection was established by alternating between the green and red LED with an audible beep. Press the right and left arrow simultaneously at this time.
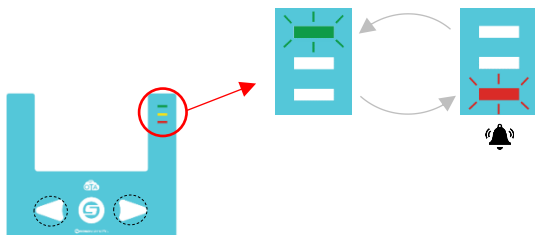
Step 3 – Connect to Wi-Fi

On your cell phone, connect to the Wi-Fi network *"mysimplelink-…"*. This will connect your phone to the OTA Node. See below for further instructions on how to connect your phone to a Wi-Fi network using an iOS or Android device:

iOS

1. From your Home screen, go to Settings > Wi-Fi.
2. Turn on Wi-Fi.
   Your device will automatically search for available Wi-Fi networks
3. Tap the name of the Wi-Fi network that you want to join - "mysimplelink-…".

Android

1. Open the settings app.
   You can find this in the apps drawer.
2. Tap the Wi-Fi symbol at the top left.
3. Tap the name of the Wi-Fi network that you want to join - "*mysimplelink-…*"
4. Tap Connect to join the network.

Step 4 – Configure Wi-Fi

Now that you are connected to the OTA node from your cellular phone, go to the SensoScientific app.

From the app, go to the **Wi-Fi Set-Up** link at the bottom of the main screen. Configure to the desired network from this platform.

Select the security that the network uses and input the appropriate information for the OTA node to join the network.

Note: The platform supports enterprise security

Once all the appropriate information has been added, select "Join" at the top right of the screen to connect the device to the desired network. If any issues are found while trying to connect or at any time throughout the set-up process, contact technical support:

1-800-279-3101
Support extension - option 4 at the prompt

Display
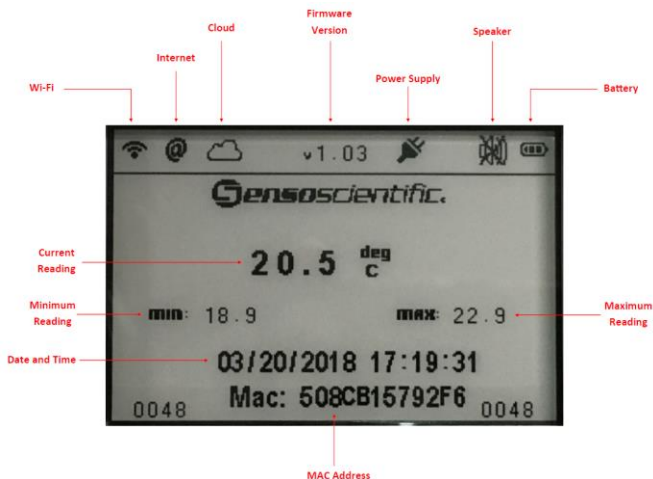
Symbol	Name	Description:
🛜	**Wi-Fi**	The Wi-Fi Symbol notifies the user when the device is connected to a Wi-Fi Access point. This symbol will be crossed out when connectivity cannot be established.
@	**Internet**	The internet symbol notifies the user when the device is connected to the internet. This symbol will be crossed out when connectivity cannot be established.
☁	**Cloud**	The cloud symbol shows whether the device is connected to the cloud and is storing data.
B	**Buffering**	When a connection cannot be established, the temperature readings will be stored on the device. 4000 readings can be saved on the device.

v1.03	**Firmware Version**	The firmware version line identifies which version of firmware that the device is using.
	Power Supply	The Power Supply symbol shows when the device is connected to power via Micro USB. This symbol will not show when the power supply is not connected.
	Speaker	The Speaker symbol shows whether the audible alarm is on or off. If the audible alarm is off (muted) then the audible alarm will be crossed out and will not sound. The alarm will still alert on the cloud.
	Battery	The battery level is displayed at High, Medium, Low, and Empty.
min: max:	**Maximum /Minimum Reading**	The minimum and maximum readings show the highest and lowest recorded readings on the device. This can be reset at any time.
Mac:	**MAC Address:**	A Mac Address is used to uniquely identify the device.

LED Status

The three LEDs at the front of the device are used to provide user feedback about the device. The LED colors are green, yellow, and red – much like a traffic light.

LED	Status	Description:
	Wake Up	The device will wake up periodically to take a reading and reset the screen. During this wake-up function, the LED will show a solid yellow light.
	Sleep (Power Supply)	When the device is connected to a power supply via micro-USB, the device will show a blinking green light when in sleep mode.
	Sleep (Battery)	When the device is powered by battery, the device will **not** show any light when in the sleep mode.

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	MAC Address Not Registered	When the device is connected to the Wi-Fi and can access the internet, it will show a blinking yellow and red light when the MAC Address is not registered.
	Data Alarm (Power Supply)	When the device reads data, which is outside the alarm limits provided in the cloud, an alarm will sound on the device. *The device will constantly sound* until either speaker is turned off or the device reads data in the alarm limits.
	Data Alarm (Battery)	When the device reads data, which is outside the alarm limits provided in the cloud, an alarm will sound on the device. *The device will sound every time the device wakes up* until either speaker is turned off or the device reads data in the alarm limits.

Push-Button Functions

<u>**Wake Up:**</u>

To get the most current reading and time stamp, press the center button to wake up the device and reset the screen. The yellow light will turn on solid, and the screen will reset.

Silence Speaker:

To silence the audible alarm speaker, hold the center button for five seconds. The yellow light will flash until you release. Once the button is released, the yellow light will turn solid and the screen will reset. This will silence the audible alarm until the next time the device wakes up and take a reading. In order to permanently disable the audible alarm, it must be disabled from the cloud.
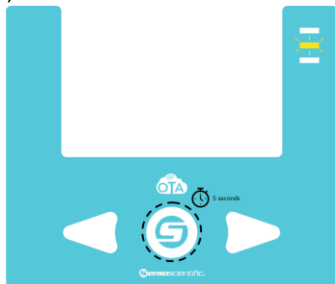
Min/Max Reset:

The minimum and maximum readings on the display are constantly updated from when the device is turned on. But, the minimum and maximum readings can be reset at any time. The following push-button sequence will accomplish this.

1. Press and hold the center and right buttons simultaneously. The green and yellow light will flash.

2. Release the center button but continue holding the right button. The yellow light will remain solid and the green light will flash.

3. Once the green light turns off, release the right button.

Turn Off Device:

To turn off your device. Press and hold the center button for 10 seconds. The screen will flash and turn off. To turn the device back on, press the center button once to reset/wake up the device.

Delete Wi-Fi SSID and Password:

To clear the memory on the device for the Wi-Fi information that has been configured, follow the steps below:

1. Hold the left and center button for 10 seconds until the device stops alarming and blinking red.
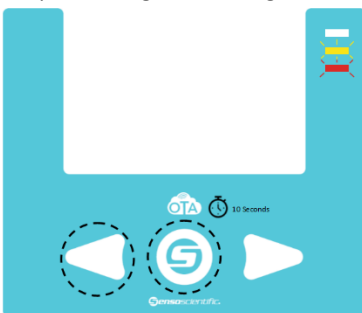
Once the Wi-Fi information has been deleted, follow the Wi-Fi setup steps under Setting Up Your Device.

Contact

Sales / Technical Support

Please contact our sales team with any pre-sales questions on our temperature monitoring solutions.

Our technical support team is available during normal business hours Monday through Friday, between the hours of 8:00 AM and 5:00 PM Pacific Standard Time. We also provide our clients 24/7 support for emergency support requirements.

Phone:
1-800-279-3101
Support extension - option 4 at the prompt Sales extension - option 3 at the prompt

Fax:
1-888-238-6002

E-Mail: salesinfo@sensoscientific.com support@sensoscientific.com
Click for SensoScientific's 24/7 Online Help Desk