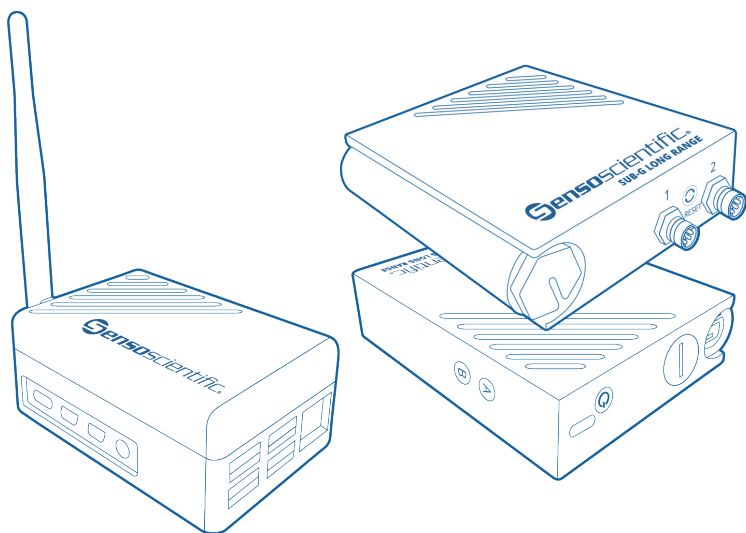




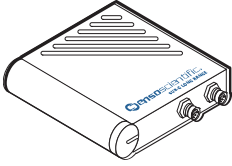
# QUICK SETUP GUIDE

Sub-1 GHz Series



# Package Contents

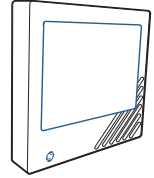
Your order may not include all the items listed below.



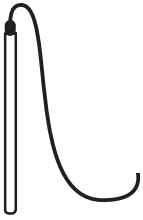
Sub-1 GHz Sensor Node



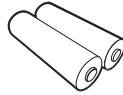
Sub-1 GHz Gateway



Sub-1 GHz Display Node  
(If Purchased)



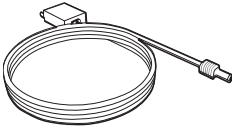
Probe(s)



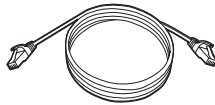
(2) AA 1.5 V  
Lithium Batteries



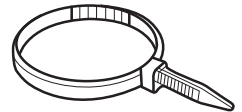
Solid Thermal Buffer  
(If Purchased)



USB-C Wall Charger  
(If Purchased)

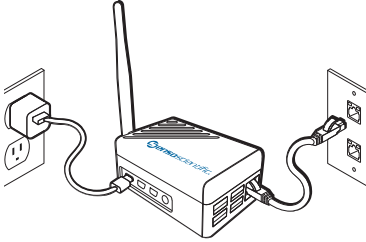


Ethernet Cable



Zip Ties

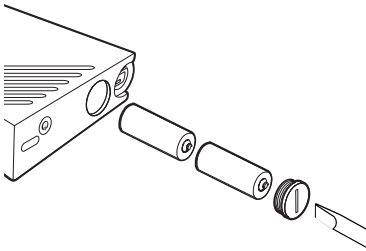
## Gateway & Sensor Node Setup



### Plug in Gateway & Connect to Network

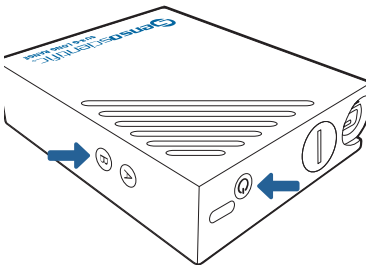
Turn on the gateway by plugging in the USB-C power supply. Connect one end of the ethernet cable to the gateway and the other end to the ethernet outlet to establish a network connection.

**NOTE:** Please contact Technical Support for assistance with firewall settings.



### Change Sensor Node Batteries

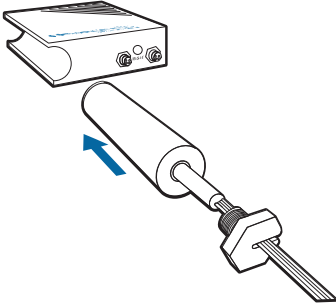
Using the battery key or a flathead screwdriver, open the battery compartment and insert two AA 1.5V lithium batteries. A power cord can be connected to preserve battery life, if purchased.



### Turn On Sensor Node

Press the power button, followed by the 'B' button on the node. A blue light will indicate that the power is on. The node will then automatically connect to the nearest gateway.

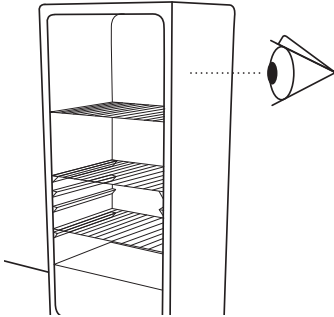
## Gateway & Sensor Node Setup (cont.)



### Connect Probe

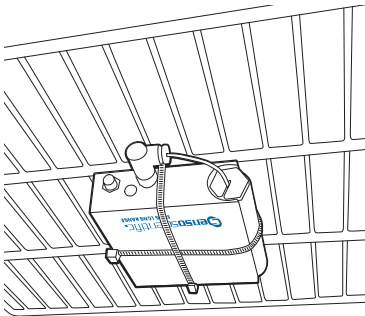
If a solid thermal buffer was purchased, unscrew the buffer's cap and insert your probe. Slide the probe's wiring through the slit located on the cap, then screw the cap back onto the buffer. Insert the buffer into its designated location on the node and connect the probe's M8 adapter to port 1.

## Install Sensor Node on Storage Unit



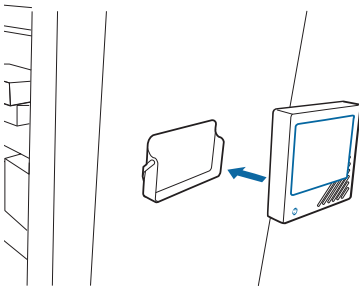
### Select Optimal Node Location

The location should be towards the middle of the chamber, where airflow is most consistent and fluctuations are least prominent.



### Use Zip Ties or Mounting Tape to Secure Node

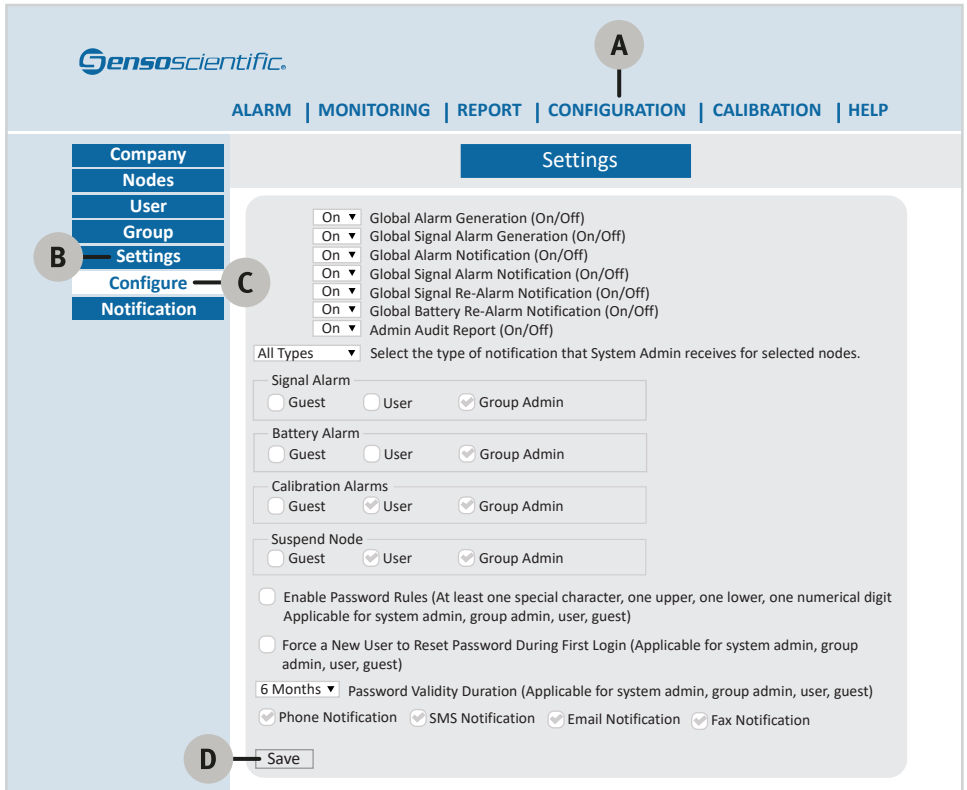
Secure the node to the underside of the selected shelf using zip ties; this is the preferred mounting location. Alternatively, if using mounting tape, ensure the mating surface is clean before attaching the sensor.



### Place External Display in Area of High Visibility

If an external display was purchased, mount the display to the selected area using the magnetic backing or a tabletop stand.

# Establish Cloud Settings

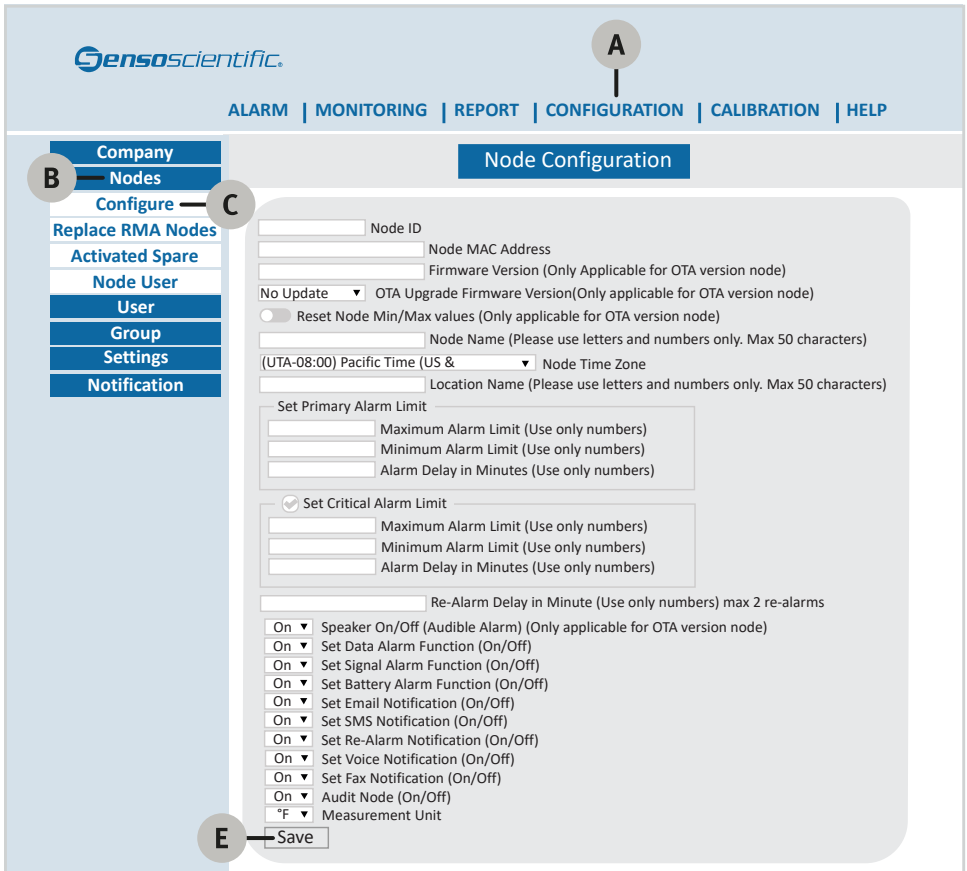


## Establish Global Account Settings

Log in to your account at: [portal.sensosubg.com](https://portal.sensosubg.com)

- A.** Select the "CONFIGURATION" tab from the main menu.
- B.** Navigate to the "Settings" tab in the submenu.
- C.** The submenu will reveal additional options. Select the "Configure" tab.
- D.** Adjust the desired settings and click the "Save" button located at the bottom of the page.

## Establish Cloud Settings (cont.)



The screenshot displays the Sensoscientific web interface for Node Configuration. The main menu at the top includes ALARM, MONITORING, REPORT, CONFIGURATION (selected), CALIBRATION, and HELP. The sub-menu on the left shows Company, Nodes (selected), Configure (selected), Replace RMA Nodes, Activated Spare, Node User, User, Group, Settings, and Notification. The main configuration area includes fields for Node ID, Node MAC Address, Firmware Version, OTA Upgrade, Node Name, Node Time Zone, Location Name, and alarm limits. A 'Save' button is located at the bottom.

## Configure Nodes Operation Settings

- A. Select the "CONFIGURATION" tab from the main menu.
- B. Choose the "Nodes" tab in the submenu.
- C. The submenu will reveal new options. Select the "Configure" tab.
- D. Click the "Configure" button corresponding to the desired node (not shown).
- E. Adjust the desired settings and click the "Save" button located at the bottom of the page.

**NOTE:** Refer to section "IV. Node Conguration" in the Cloud Manual for more information on field meanings. HELP > User Guide/Installation Docs > Cloud User Manual.pdf

# Establish Cloud Settings (cont.)

The screenshot shows the Sensoscientific web application interface. At the top, the main menu includes 'ALARM | MONITORING | REPORT | CONFIGURATION | CALIBRATION | HELP', with 'CONFIGURATION' highlighted (A). Below this, a sub-menu is visible with 'Company', 'Nodes', 'User', 'New User', 'Configure', 'Add/Remove Node', 'Change Password', 'Group', 'Settings', and 'Notification'. The 'User' tab is selected (B), and the 'New User' sub-tab is active (C). The main content area is titled 'Create a New User' and contains a form with the following fields and options:

- Valid Username (Should be Email Address) Min 6 and max 50 characters
- First Name (Min 2 and max 15 characters)
- Last Name (Min 2 and max 15 characters)
- Valid User Password (Min 6 max 16 characters)
- Retype Password (Min 2 and max 15 characters)
- On  Signal, data, battery Alarm Email Notification On/Off
- On  Alarm Confirmation Email Notification On/Off
- On  Calibration Due Date Notification On/Off
- Valid Notification Email Address (Max 200 characters)
- On  Automatic Daily Report On/Off
- On  Automatic Daily Hourly Report (On/Off)
- On  Automatic Daily Exception (On/Off)
- On  Automatic Weekly Report (On/Off)
- On  Automatic Monthly Report (On/Off)
- On  Automatic Summary Report (On/Off)
- On  Automatic Two Point Monitoring (On/Off)
- Valid Report Email Address (Max 200 characters)
- On  SMS Notification On/Off
- Valid Notification SMS Number (SMS Notification must be On.)
- On  Voice Notification On/Off
- Valid Notification Phone Number (Voice Notification must be On.)
- On  Fax Notification On/Off
- Valid Notification Fax Number (Fax numbers work only in U.S.)
- User  Select user level type
- no auto refresh  Set Auto Refresh on Current Status
- Instantly  Select to receive notifications instantly or by escalation
- Escalation time before notifications are sent (in minutes, max 4 digits)
- Standard Time  Select Time Format
- Instantly  Select Report Time Zone

At the bottom of the form is an 'Add New User' button (D).

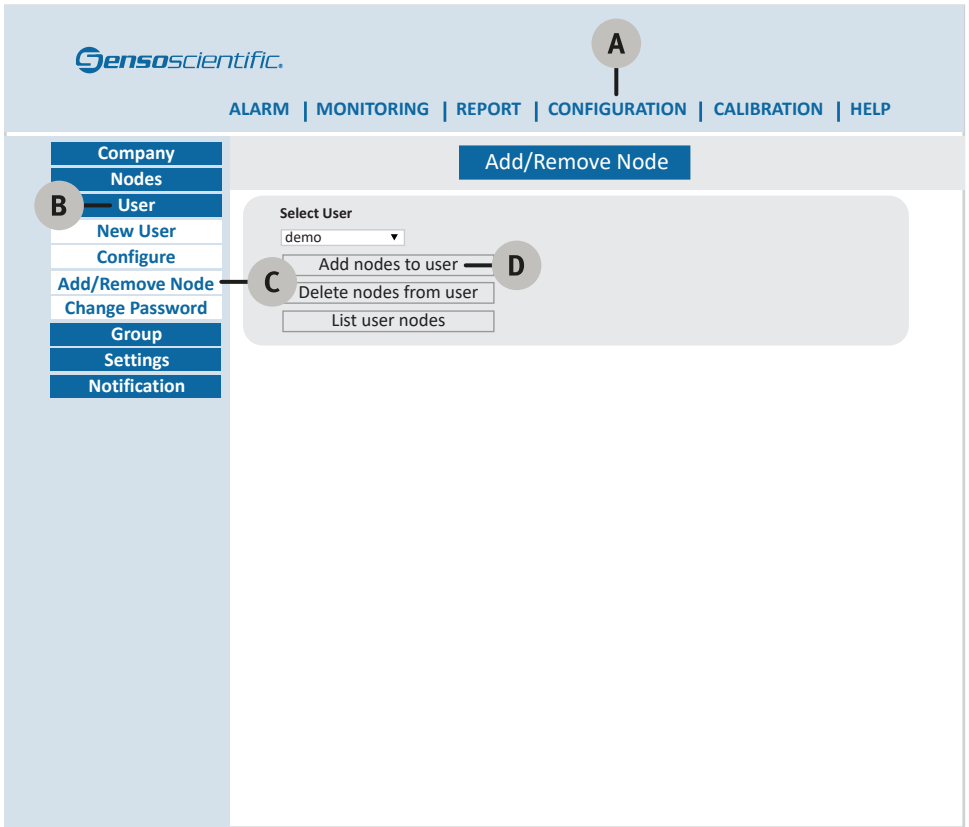
## Create New Users Personal Profile

- A. Select the "CONFIGURATION" tab from the main menu.
- B. Choose the "User" tab in the submenu.
- C. The submenu will reveal new options. Select the "New User" tab.
- D. Adjust the desired settings and click the "Add New User" button located at the bottom of the page.

**NOTE:** Refer to section "IV.3 Create/Delete User Accounts" in the Cloud Manual for more information on field meanings. HELP > User Guide/Installation Docs > Cloud User Manual.pdf



## Establish Cloud Settings (cont.)



The screenshot shows the Sensoscientific web interface. At the top, the main menu includes ALARM | MONITORING | REPORT | CONFIGURATION | CALIBRATION | HELP. A callout 'A' points to the CONFIGURATION tab. Below this, a sub-menu is open, showing options: Company, Nodes, User, New User, Configure, Add/Remove Node, Change Password, Group, Settings, and Notification. A callout 'B' points to the User tab. The 'Add/Remove Node' sub-menu is expanded, showing a 'Select User' dropdown menu with 'demo' selected. Below the dropdown are three buttons: 'Add nodes to user', 'Delete nodes from user', and 'List user nodes'. A callout 'C' points to the 'Add/Remove Node' tab, and a callout 'D' points to the 'Add nodes to user' button.

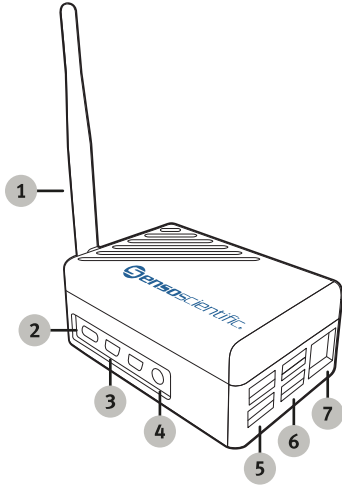
### Assign Nodes to Users

- A. Select the "CONFIGURATION" tab from the main menu.
- B. Choose the "User" tab in the submenu.
- C. The submenu will reveal new options. Select the "Add/Remove Node" tab.
- D. Select the user you want to assign and click the "Add Nodes to User" button.
- E. Mark the checkbox in the rightmost column of the desired Nodes. Click the "Add Node" button to assign the selected Node(s) to the user (not shown).

**NOTE:** Nodes must be assigned to users for them to display on the "MONITORING" tab.

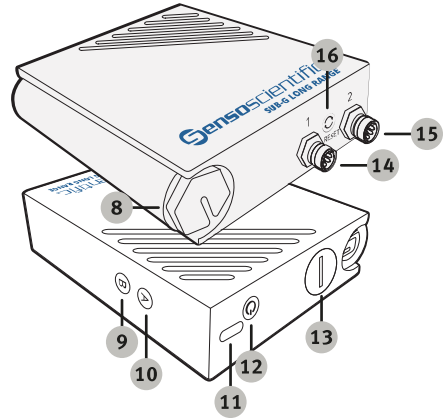
# Device and Display Guide

## Gateway



- 1 Gateway Antenna
- 2 USB-C Power Port
- 3 (2) Micro-USB Ports
- 4 A/C Port
- 5 (2) USB Type A Ports
- 6 (2) USB 3.0 Ports
- 7 Ethernet Port

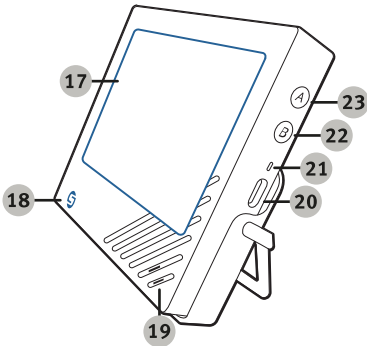
## Sensor Node



- 8 Solid Thermal Buffer
- 9 Button "B"
- 10 Button "A"
- 11 USB-C Power Port
- 12 On/Off Power Button
- 13 Battery Compartment
- 14 M8 Probe Port 1
- 15 M8 Probe Port 2
- 16 Reset Button

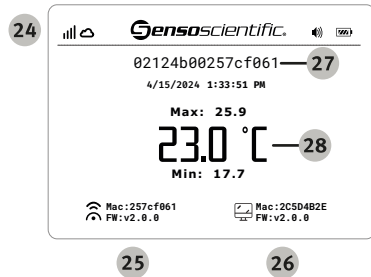
# Device and Display Guide (cont.)

## External Display



- 17 External Display
- 18 Button "S"
- 19 Speaker
- 20 USB-C Power Port
- 21 Charge Indicator\*
- 22 Button "B"
- 23 Button "A"

## Display Screen



- 24 Status Indicators
- 25 Sensor Information
- 26 External Display Information
- 27 Senso Hardware Mac ID
- 28 Min, Max, & Current Readings
- 📶 Gateway Connection Status
- ☁️ Cloud Connection Status
- 🔊 Audible Alarm On/Off
- 🔋 Battery Charge Level

\* Once fully charged, indicator remains green.

# Technical Support

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

**Phone:**

800-279-3101

**Email:**

support@sensoscientific.com

**24/7 Priority Support:**

This feature provides our clients a simple way to create support tickets to get in touch with technical support.

Navigate to **HELP > Submit a Ticket** in the SensoScientific cloud.

