
VeriSolutions User Manual

Creating connected restaurants.



VeriSolutions LLC

1st Edition

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Introduction to VeriSolutions

VeriSolutions creates connected restaurants by deploying an easy-to-install mesh network of sensors for monitoring food safety protocols and operational procedures. The VeriSolutions platform provides a seamless, autonomous method for monitoring equipment, assets, and staff in any environment. The VeriSolutions platform collects, aggregates, and distributes this data to Users in both mobile and web based applications.



Disclaimer

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by VeriSolutions could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Meet our Products

VeriConnect



VeriConnect is the hub that collects and transmits all data collected by VeriSense and VeriTrack to the VeriSolutions Cloud using a persistent 3G connection.

Collected data is sent via a secure cellular connection to our VeriSolutions Cloud which is then presented to users via our online and mobile applications.

VeriConnect contains a GPS module on the motherboard which transmits data on the of location, speed, and altitude of the device.

VeriConnect is powered by a lithium ion battery which will maintain a charge for up to 24 hours in the event of a power outage.

VeriSense

VeriSense collects temperature and humidity data on your refrigeration devices. These environments include, but are not limited to refrigerators, coolers, humidifiers, and transport vehicles with a functional range of -20 - 60C and 0-100% relative humidity.

VeriSense communicates this information to the VeriConnect hub using the VeriRadio Network.

VeriSense automatically forms a self-healing mesh network with other VeriSolutions sensors allowing for devices out of range of the VeriConnect to successfully pass on information through other neighboring VeriSense modules.

VeriSense has a standard battery life of 3+ years depending on network size.



VeriTrack

VeriTrack is a beacon that contains a VeriRadio board enabling it to get high resolution indoor location data.

VeriTrack interacts with a network of VeriSense sensors to triangulate its position.

VeriTrack uses a coin cell battery which enables it to run for 1 year before replacement. VeriTrack can be attached to any device using its key ring or a basic adhesive.



Setup and Installation

VeriConnect

1. Find an undisturbed, central location to mount and power on VeriConnect.
 - * Note: VeriConnect uses cellular networks to transmit data. Better cell coverage on your phone is practice.
2. Find the small end of the power cord (micro USB) and plug into the VeriConnect device.
3. Plug the USB end into the AC adaptor.
4. Plug into wall.
5. Remove adhesive on the back of VeriConnect and mount.



VeriSense

1. Take each VeriSense to the user specified location as noted on the label.
2. Find a location in the refrigeration device that is not too close to a light or fan.
3. Wipe that surface dry of any condensation.
4. Remove adhesive, mount, and power on with the reset button.

Note: The adhesive provided is industrial duty and not meant to be removed.




Repeater

1. A repeater is used to improve network quality and reliability. VeriSolutions provides customers one repeater in it's package.
2. Find a location between your refrigeration units and VeriConnect to improve signal strength.
3. Remove adhesive on repeater.
4. Mount repeater on the wall.



VeriConnect has an LED that gives indications on network health and performance.

See table to determine what different colors and patterns mean.

Status	Color
System initialization	Blinking Yellow
System start up fail	Slow Yellow Blink
Cell strength good	Green 
Cell strength OK	Yellow 
Cell strength poor	Red 

VeriCloud Portal

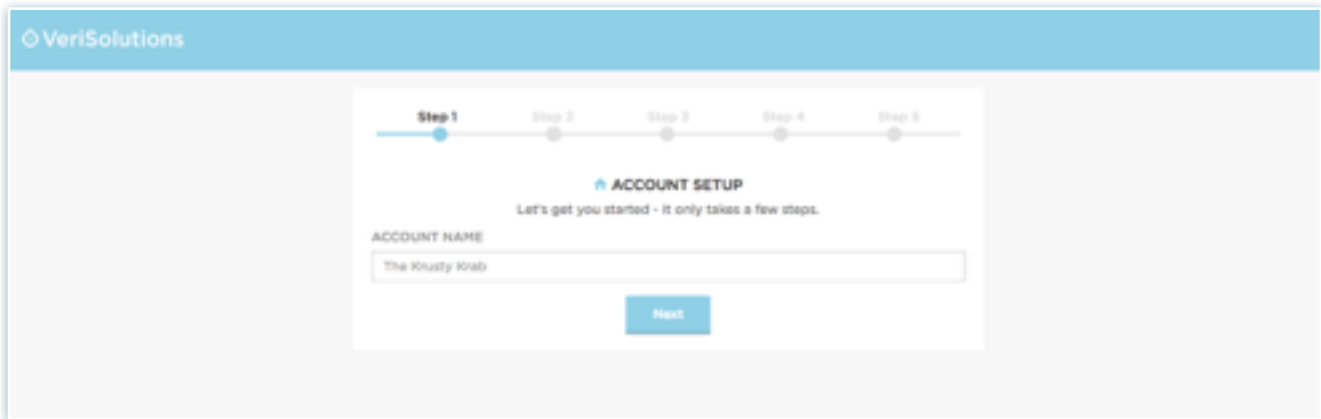
Account Setup

To setup a new account, first check your inbox for an email titled “Welcome to VeriSolutions”.

Once you’ve found the email, click the “Confirm Account” button to get started.

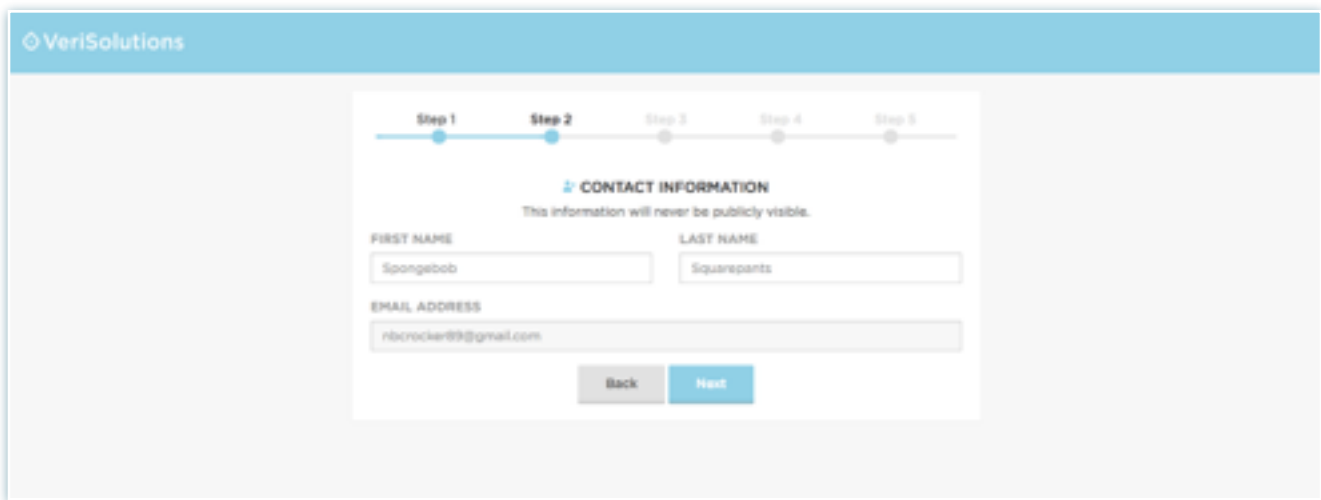


By clicking on “Confirm Account” your default web browser will launch. The first step is to create an account name. We recommend that you use the name of your business.



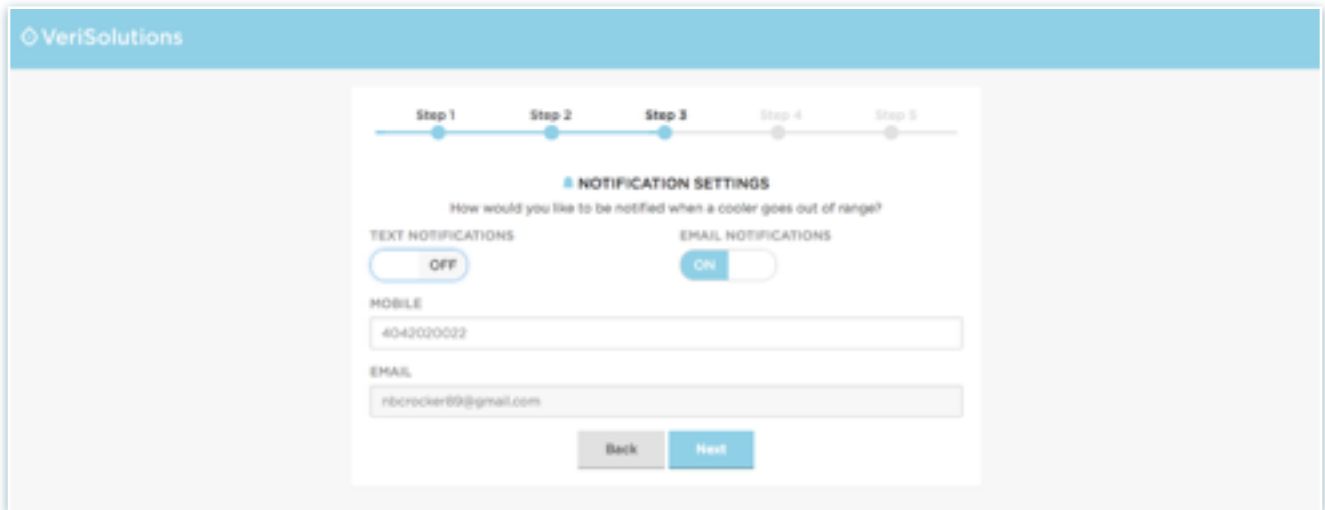
The screenshot shows the VeriSolutions website with a blue header. A progress bar at the top indicates five steps, with Step 1 being the active step. Below the progress bar, the heading "ACCOUNT SETUP" is displayed, followed by the text "Let's get you started - It only takes a few steps." A form field labeled "ACCOUNT NAME" contains the text "The Krusty Krab". A blue "Next" button is positioned below the form field.

Step 2: Enter or confirm your Contact Information.



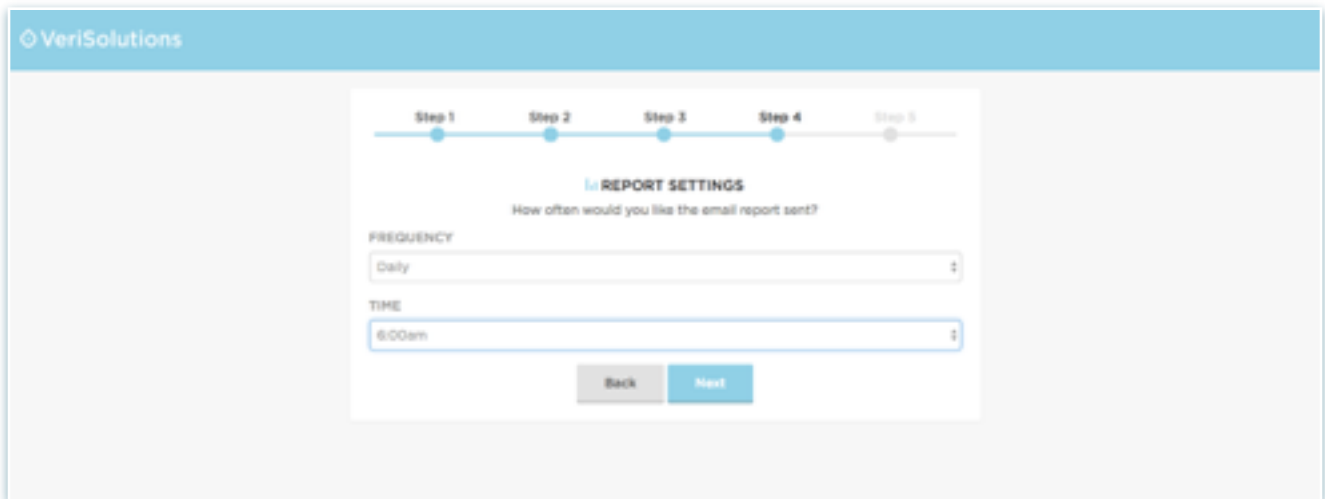
The screenshot shows the VeriSolutions website with a blue header. A progress bar at the top indicates five steps, with Step 2 being the active step. Below the progress bar, the heading "CONTACT INFORMATION" is displayed, followed by the text "This information will never be publicly visible." There are three form fields: "FIRST NAME" with the text "Spongebob", "LAST NAME" with the text "Squarepants", and "EMAIL ADDRESS" with the text "nbrocker89@gmail.com". Below the form fields are two buttons: a grey "Back" button and a blue "Next" button.

Step 3: Enter your mobile number to setup SMS text notifications. Your email address will be pre-populated for email notifications.



The screenshot shows the VeriSolutions web interface for Step 3 of a setup process. At the top, a blue header contains the VeriSolutions logo. Below it, a progress bar indicates five steps, with Step 3 being the current active step. The main content area is titled 'NOTIFICATION SETTINGS' and asks 'How would you like to be notified when a cooler goes out of range?'. It features two toggle switches: 'TEXT NOTIFICATIONS' set to 'OFF' and 'EMAIL NOTIFICATIONS' set to 'ON'. Below these are input fields for 'MOBILE' (containing '4043020022') and 'EMAIL' (containing 'rbcrocker89@gmail.com'). At the bottom of the form are 'Back' and 'Next' buttons.

Step 4: Select the frequency and time in which you would like a compliance report sent to the email address provided.



The screenshot shows the VeriSolutions web interface for Step 4 of a setup process. At the top, a blue header contains the VeriSolutions logo. Below it, a progress bar indicates five steps, with Step 4 being the current active step. The main content area is titled 'REPORT SETTINGS' and asks 'How often would you like the email report sent?'. It features two dropdown menus: 'FREQUENCY' set to 'Daily' and 'TIME' set to '6:00am'. At the bottom of the form are 'Back' and 'Next' buttons.

Step 5: Please confirm that the information provided is correct.

VeriSolutions

Step 1Step 2Step 3Step 4Step 5

✓ CONFIRMATION

Does everything look right?

Account

Account NameThe Krusty Krab

Units

Contact Info

NameSpongebob Squarepants

Emailnbrocker99@gmail.com

Notifications

EmailOn

TextOff

Mobile4042020022

Reports

FrequencyDaily

Time6:00am

Back

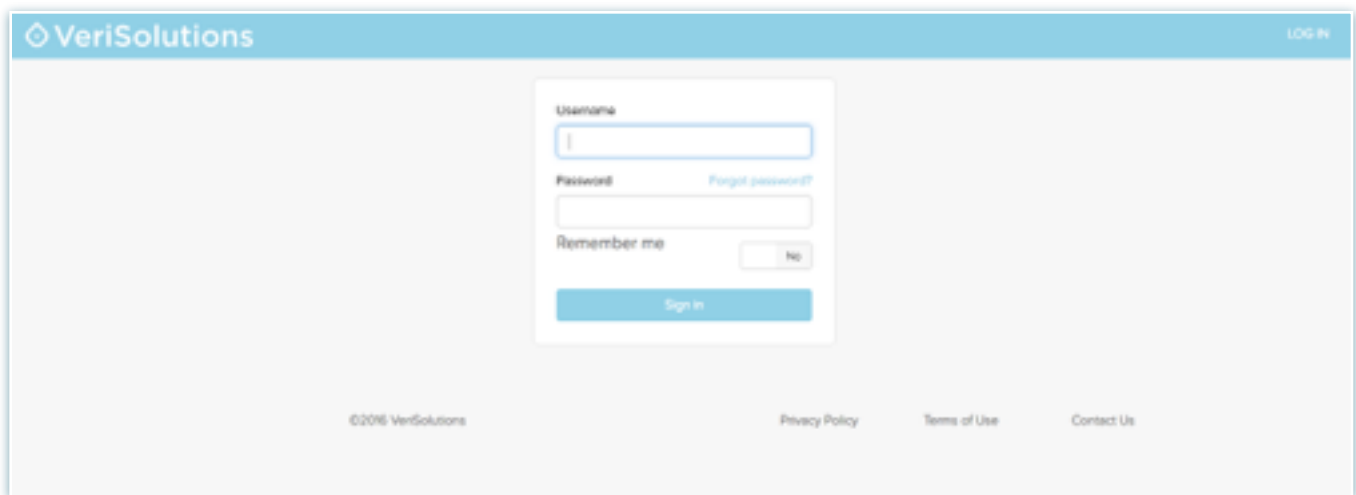
Complete Setup

Login

Once your VeriSolutions account is created and your devices are installed, you can begin using our cloud-based customer portal.

If you have already been provided a username and password, you can proceed to the VeriCloud login page.

If you still don't have the necessary login credentials, please contact Customer Service at 866-294-9240.

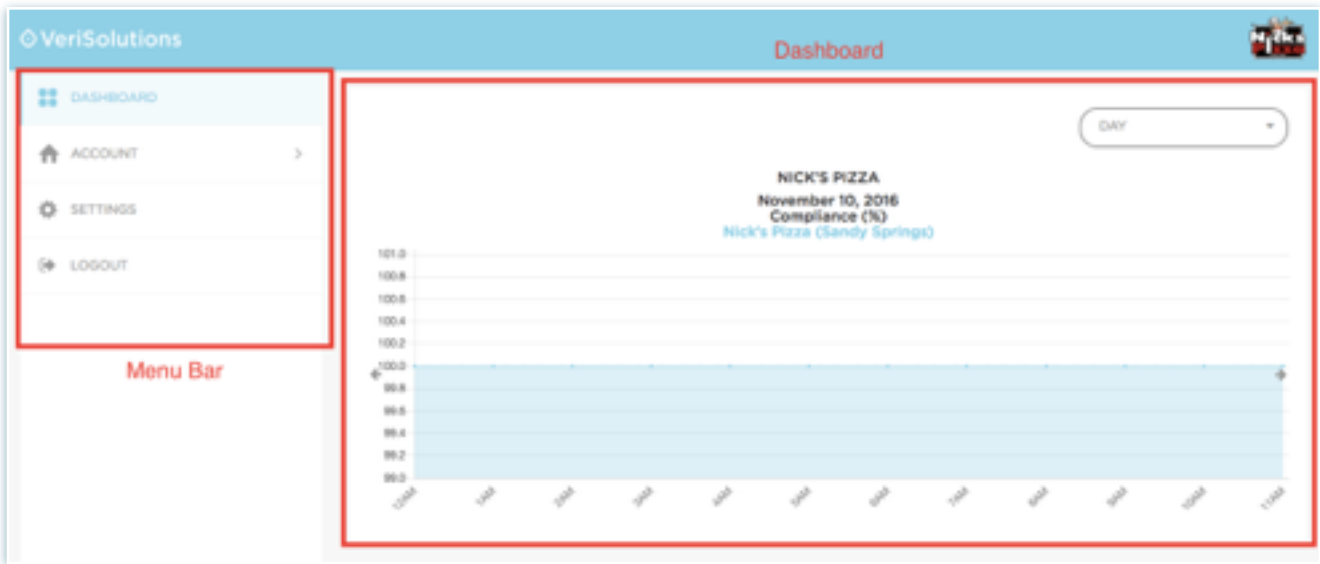


The image shows a screenshot of the VeriSolutions login page. At the top, there is a blue header bar with the VeriSolutions logo on the left and a "LOG IN" link on the right. The main content area is light gray and contains a white login form in the center. The form has three input fields: "Username" with a cursor in the box, "Password" (which is currently empty), and a "Remember me" checkbox. To the right of the password field is a blue link that says "Forgot password?". Below the password field is a blue "Sign in" button. At the bottom of the page, there is a footer with four links: "©2016 VeriSolutions", "Privacy Policy", "Terms of Use", and "Contact Us".

Landing Page

After logging in, you'll arrive at the account landing page.

Landing Page displays two work spaces: the Dashboard and Menu Bar.



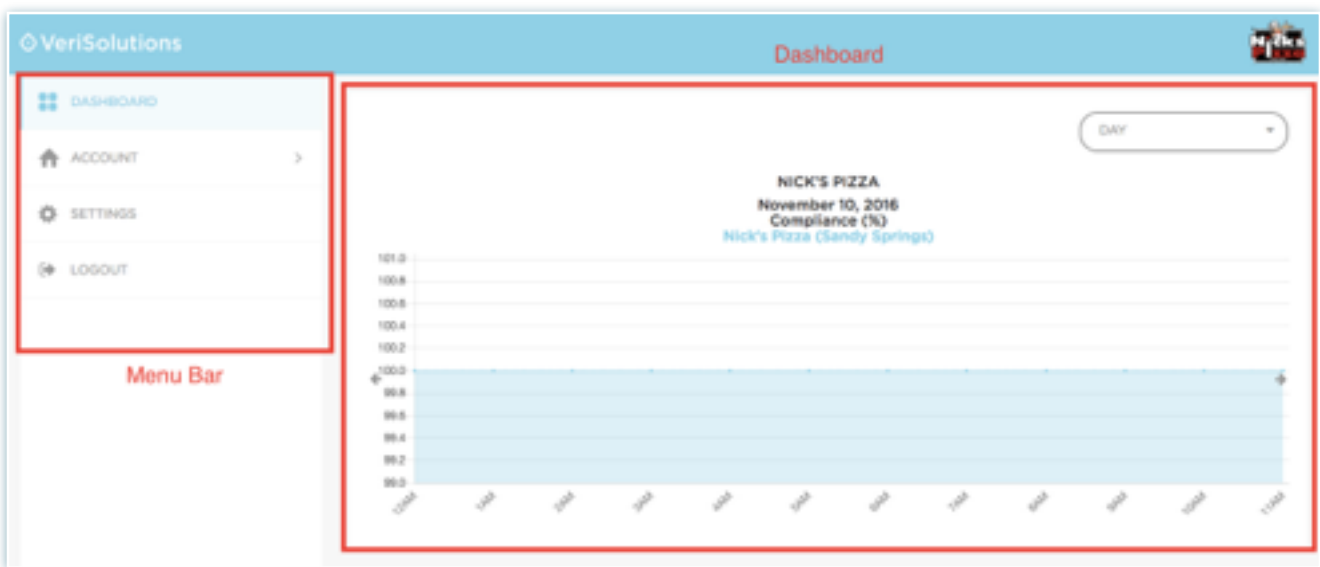
The Dashboard will provide a quick glance at the overall compliance levels for your individual restaurant units.

Within the Dashboard, you can toggle between Units. Units are specific locations of your restaurants that fall under an account. You can also modify the graph to organize data by Day, Week, Month, and Year.

Navigation

Navigating the VeriCloud is simple and intuitive.

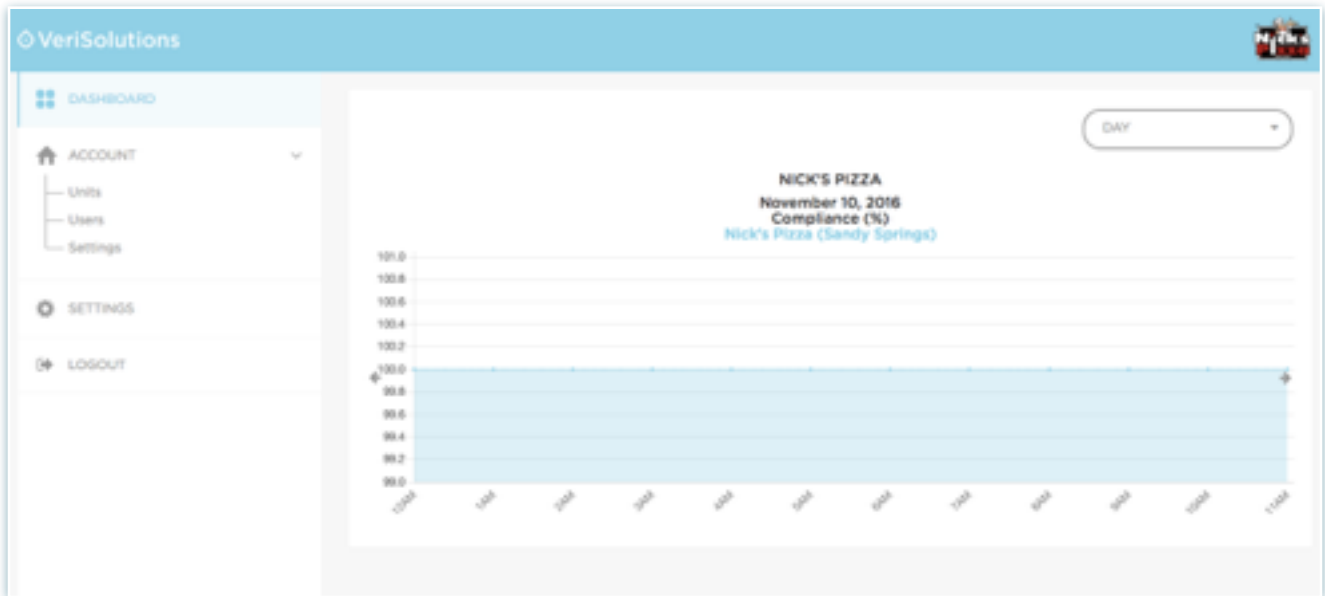
The Menu Bar lives on the left hand side of the VeriCloud web application. The Menu Bar enables you to navigate the application from any page.



Within the Menu Bar, you should see several options: Account, Settings, and Logout.

Account

Clicking on the Account tab releases a dropdown menu with three additional options: Units, Users, and Settings.



By clicking on Units, you can select between the individual restaurant locations associated with your account. In addition, any relevant Issues will appear next to the Unit name.

The screenshot shows the VeriSolutions dashboard with the ACCOUNT menu expanded and "Units" selected. The main area displays a list of restaurant units under the heading "NICK'S PIZZA Units".

NICK'S PIZZA Units	
Nick's Pizza (Sandy Springs)	⚙️
ISSUES	✓ 0
Nick's Pizza (Alpharetta)	⚙️
ISSUES	✓ 0

To update information for a Unit, such as Address and Notifications, click on the cog icon located on the right side of your window.

The screenshot displays a web interface for managing a unit. At the top, the title 'NICK'S PIZZA (SANDY SPRINGS)' is followed by a 'Settings' header. The interface is divided into three main sections: 'Contact', 'Notifications', and 'Admin'. The 'Contact' section contains fields for 'UNIT NAME' (Nick's Pizza (Sandy Springs)), 'ADDRESS 1' (2163 Roswell Road), 'ADDRESS 2' (empty), 'CITY' (Atlanta), 'STATE' (Georgia), and 'ZIP CODE' (30327). The 'Notifications' section has 'THRESHOLD (°F)' set to 9 and 'TIMEOUT (MINUTES)' set to 60. The 'Admin' section features a 'PROBE' toggle switch currently set to 'OFF'. At the bottom, there are 'Back' and 'Update Unit' buttons.

NICK'S PIZZA (SANDY SPRINGS)
Settings

← Contact

UNIT NAME
Nick's Pizza (Sandy Springs)

ADDRESS 1
2163 Roswell Road

ADDRESS 2
|

CITY
Atlanta

STATE
Georgia

ZIP CODE
30327

🔔 Notifications

THRESHOLD (°F) @
9

TIMEOUT (MINUTES) @
60

⚙ Admin

PROBE
OFF

Back Update Unit

Here, you can also modify Threshold. Threshold refers to the acceptable temperature range that your device can maintain and for how long.

The Users option allows you to create new users for your Account. You can set permissions and restrict access for Account users here.

The screenshot shows the 'New User' form within the VERISOLUTIONS application. The form is titled 'New User' and includes fields for 'FIRST NAME', 'LAST NAME', 'EMAIL', and 'PHONE'. Below these fields, there is a section for 'ACCOUNT ADMIN' with a toggle switch set to 'OFF'. Further down, there is a section for 'UNITS' with three toggle switches, all set to 'OFF', corresponding to 'Michael's Dad's House', 'Office', and 'Nick's Pizza (Sandy Springs)'. At the bottom of the form, there are two buttons: 'Back' and 'Create Account user'.

VERISOLUTIONS
New User

FIRST NAME

LAST NAME

EMAIL

PHONE

ACCOUNT ADMIN
☐ OFF

UNITS

☐ OFF Michael's Dad's House

☐ OFF Office

☐ OFF Nick's Pizza (Sandy Springs)

The Settings option allows you to update Account settings such as the company name or logo.

The screenshot shows the 'Settings' form within the VERISOLUTIONS application. The form is titled 'Settings' and includes a 'NAME' field with the value 'VeriSolutions'. Below this, there is a 'LOGO' section with a 'Choose File' button and the text 'No file chosen'. At the bottom of the form, there are two buttons: 'Back' and 'Update Account'.

VERISOLUTIONS
Settings

NAME

LOGO
 No file chosen

To view specific, detailed information for your individual restaurant units, click on a restaurant's name either from the Dashboard or the list of Units.

After clicking on a restaurant's name, two more dropdown menus will appear: Unit and Hardware.

Unit

A Unit refers to a single restaurant location with a unique geographic location.

The Unit dropdown will only appear after clicking on the name of an individual restaurant location.



The Unit dropdown contains several different options: Dashboard, Coolers, Users, Reports, Orders, and Settings.

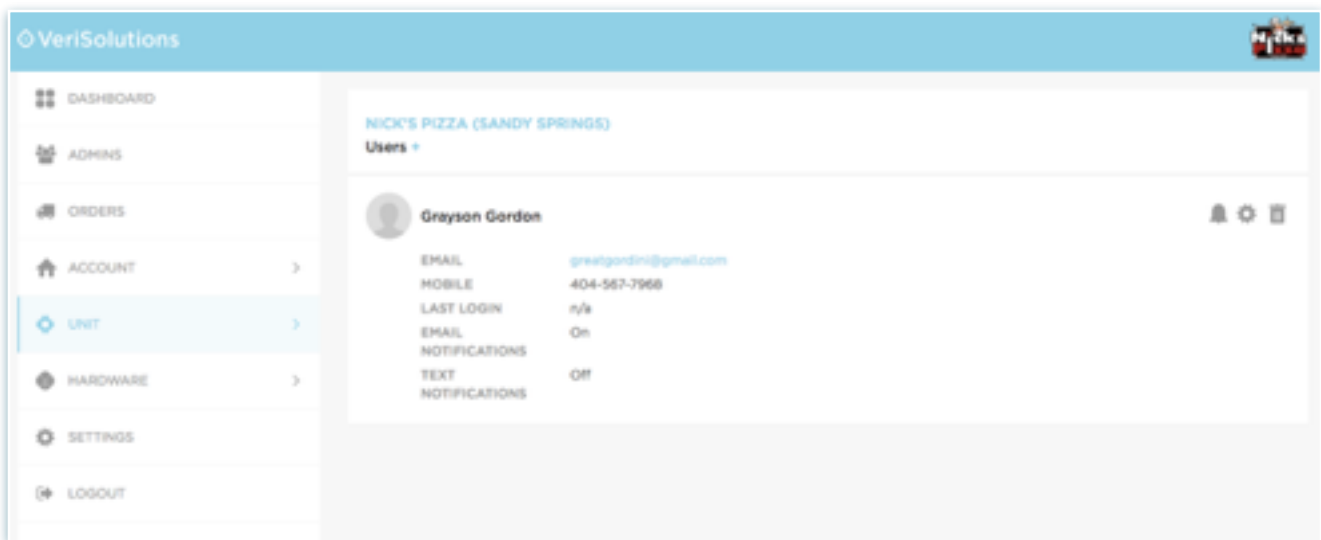


Dashboard will show compliance graphs for specific coolers or refrigerated environments.

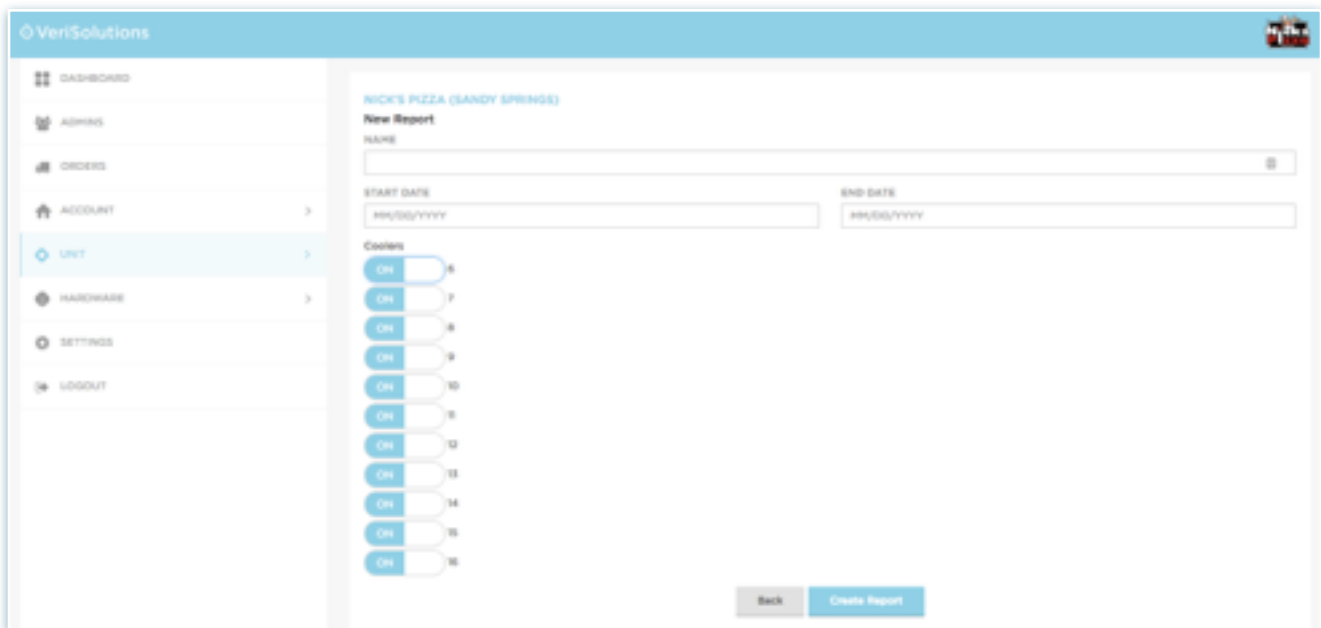
Coolers allows the User to update names, modify threshold values, and add new devices to your network.

NICK'S PIZZA (SANDY SPRINGS)	
Coolers +	
6	<div>LOW TEMP 32°</div> <div>HIGH TEMP 80°</div> <div>NOTIFICATIONS On</div> <div>DESCRIPTION n/a</div>
7	<div>LOW TEMP 32°</div> <div>HIGH TEMP 80°</div> <div>NOTIFICATIONS On</div> <div>DESCRIPTION n/a</div>
8	<div>LOW TEMP 32°</div> <div>HIGH TEMP 80°</div> <div>NOTIFICATIONS On</div> <div>DESCRIPTION n/a</div>

The Users section enables you to create new users, set notifications specific to a user, view notification history, etc.



Reports allow the user to generate a new report. Here, the user can name the report, input start/end dates, and select certain coolers to include/exclude from the report.



Settings allow you to update information specific to the selected unit.

The screenshot displays the VeriSolutions web application interface. On the left is a sidebar menu with options: DASHBOARD, ADMIN, ORDERS, ACCOUNT, UNIT (highlighted), HARDWARE, SETTINGS, and LOGOUT. The main content area is titled 'NICK'S PIZZA (SANDY SPRING)' and contains a 'Settings' section. This section is divided into three sub-sections: 'Contact', 'Notifications', and 'Admin'. The 'Contact' section includes input fields for 'UNIT NAME' (pre-filled with 'Nick's Pizza (Sandy Spring)'), 'ADDRESS 1', 'ADDRESS 2', 'CITY', 'STATE' (pre-filled with 'Alabama'), and 'ZIP CODE'. The 'Notifications' section includes input fields for 'THRESHOLD (°F)' (pre-filled with '5') and 'TIMEOUT (MINUTES)' (pre-filled with '60'). The 'Admin' section includes a 'PROBE' toggle switch currently set to 'OFF'. At the bottom of the settings area are two buttons: 'Back' and 'Update Unit'.

That information includes the Unit name and address. In addition, the User can adjust the following Notifications settings: Threshold and Timeout.

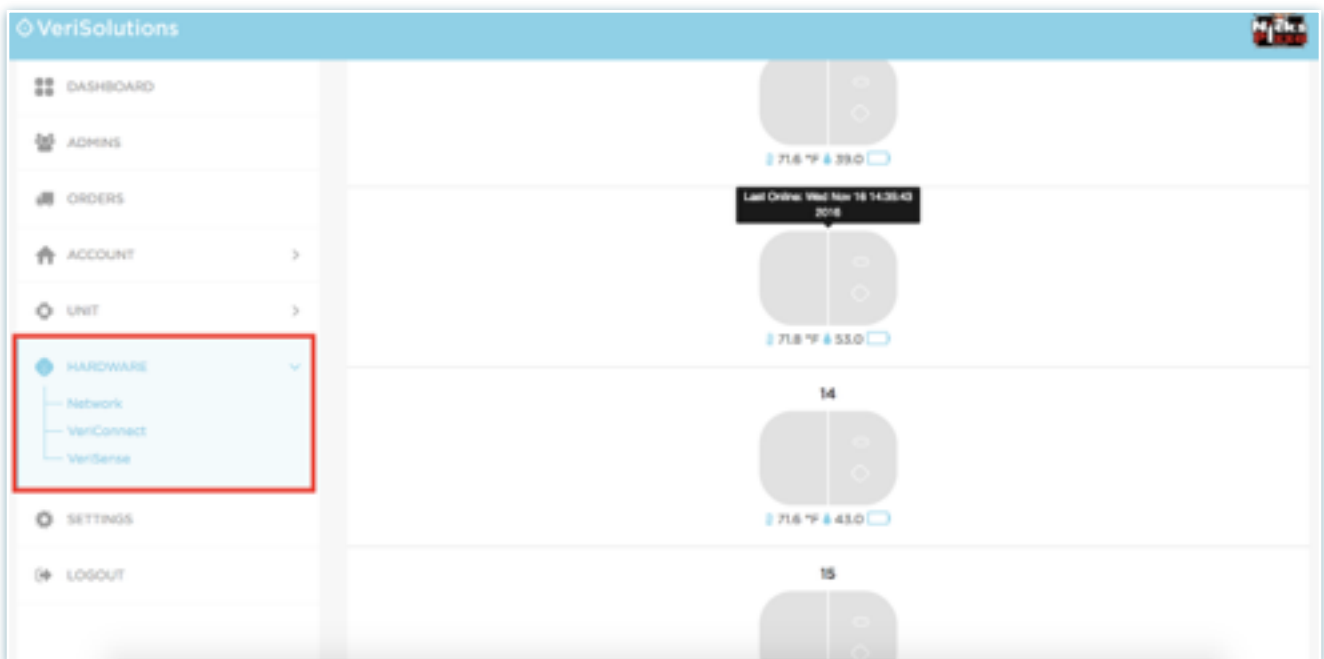
Threshold represents the minimum number of degrees a cooler may deviate from its predefined threshold before a Notification is triggered.

Timeout represents the number of minutes after a notification has (been) sent before a second one is triggered.

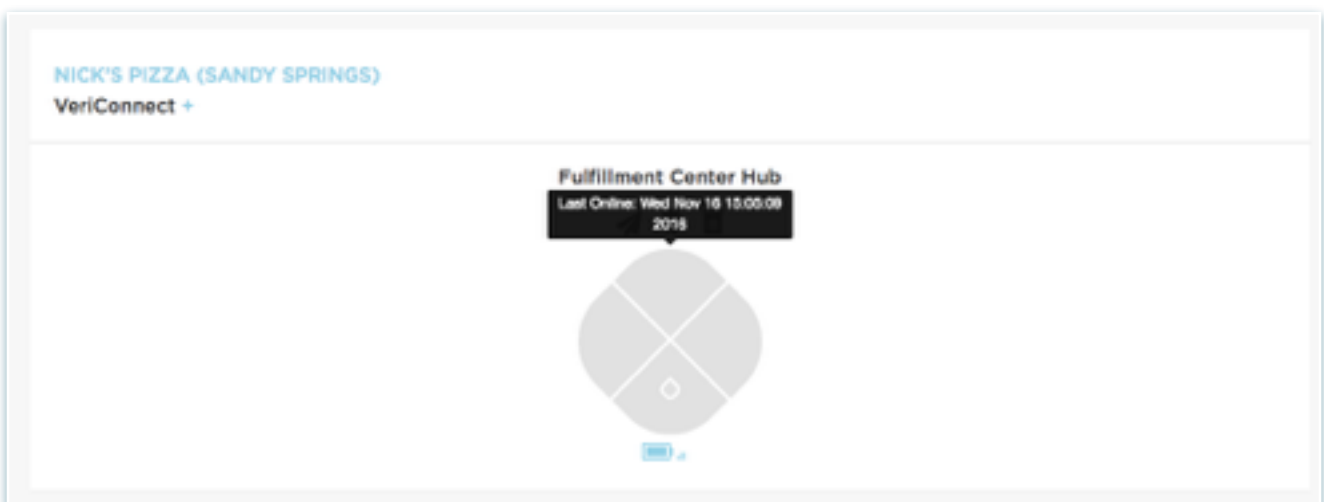
Hardware

As mentioned before, when you browse to a specific Unit within VeriCloud, two drop downs will appear in the Menu Bar: Unit and Hardware.

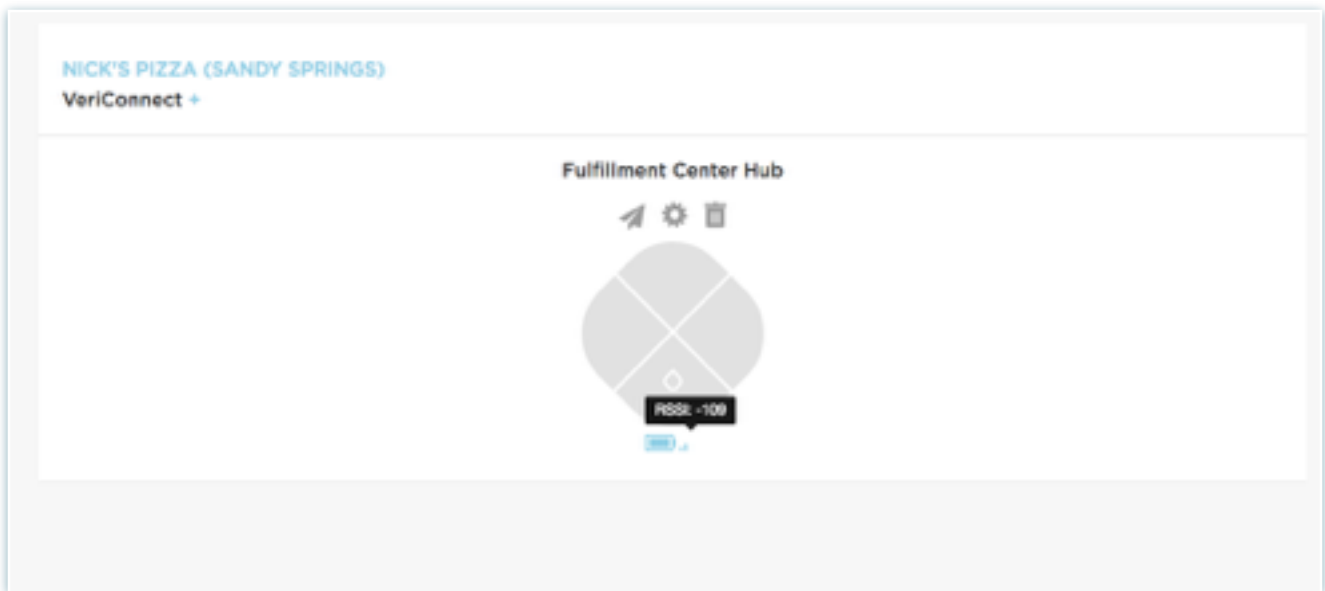
The Hardware dropdown should include three options: VeriConnect, VeriSense, and Network.



VeriConnect will display three separate metrics: Signal RSSI, Battery, and Last Online.



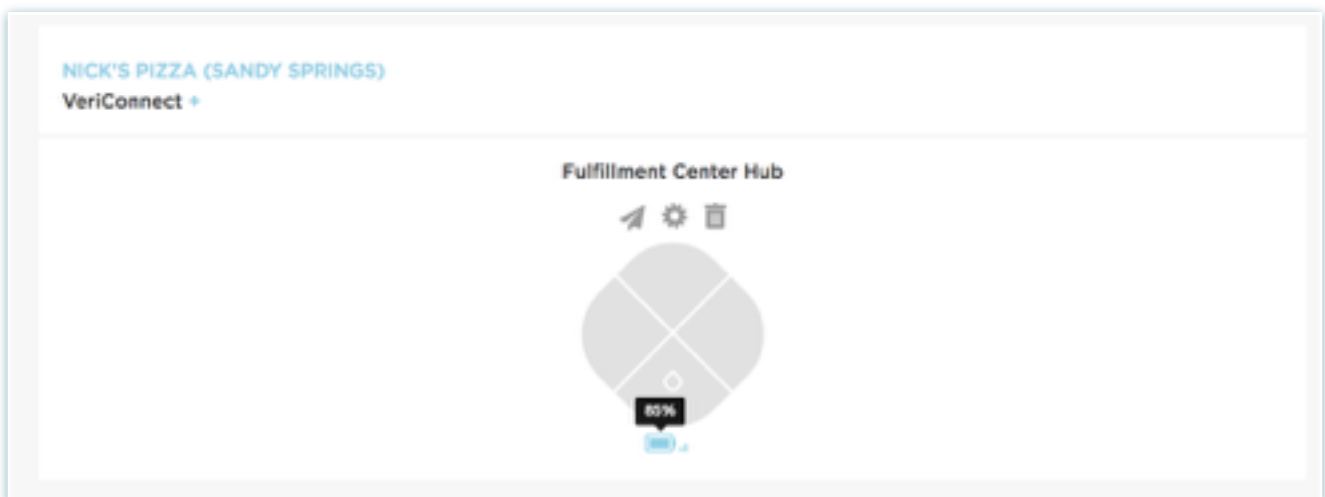
Last Online refers to the date and time of the last data transmission sent by the VeriConnect device.



Signal Strength shows the connection strength between VeriConnect and the Cloud. For reference:

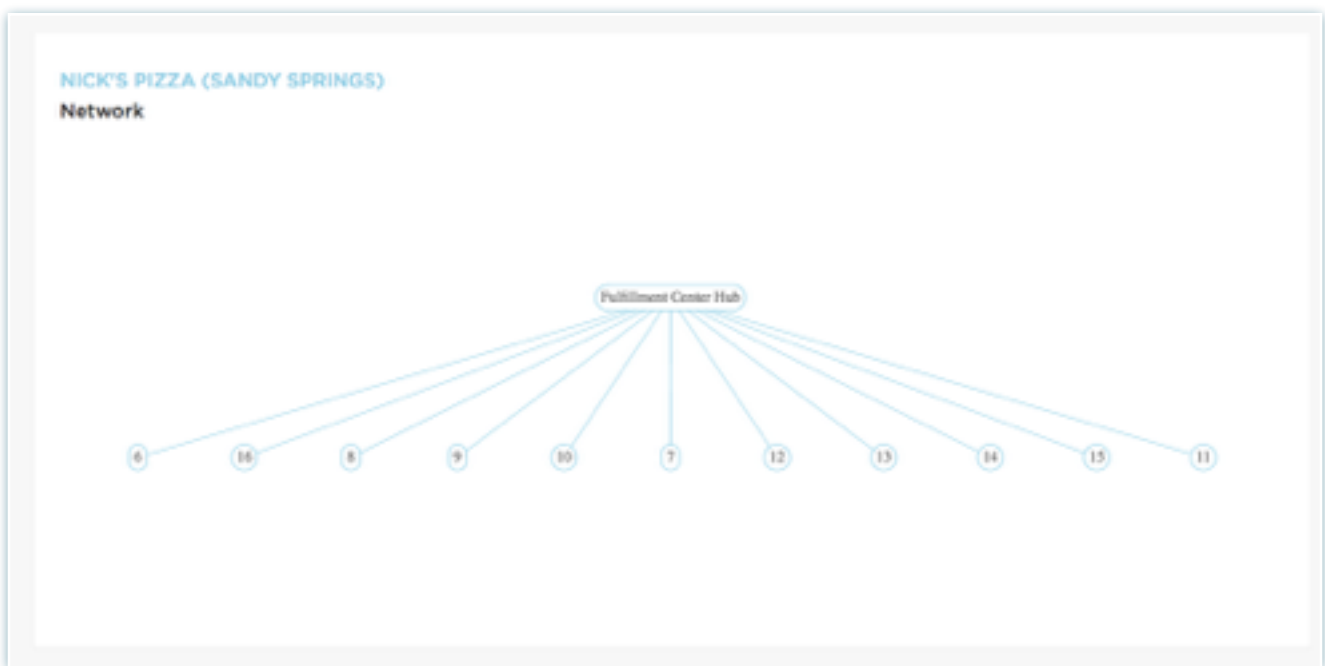
RSSI Scale: -50 to -120

- > -110: Good reception
- -110: Connectivity stops working reliably
- -120: Network connection fails

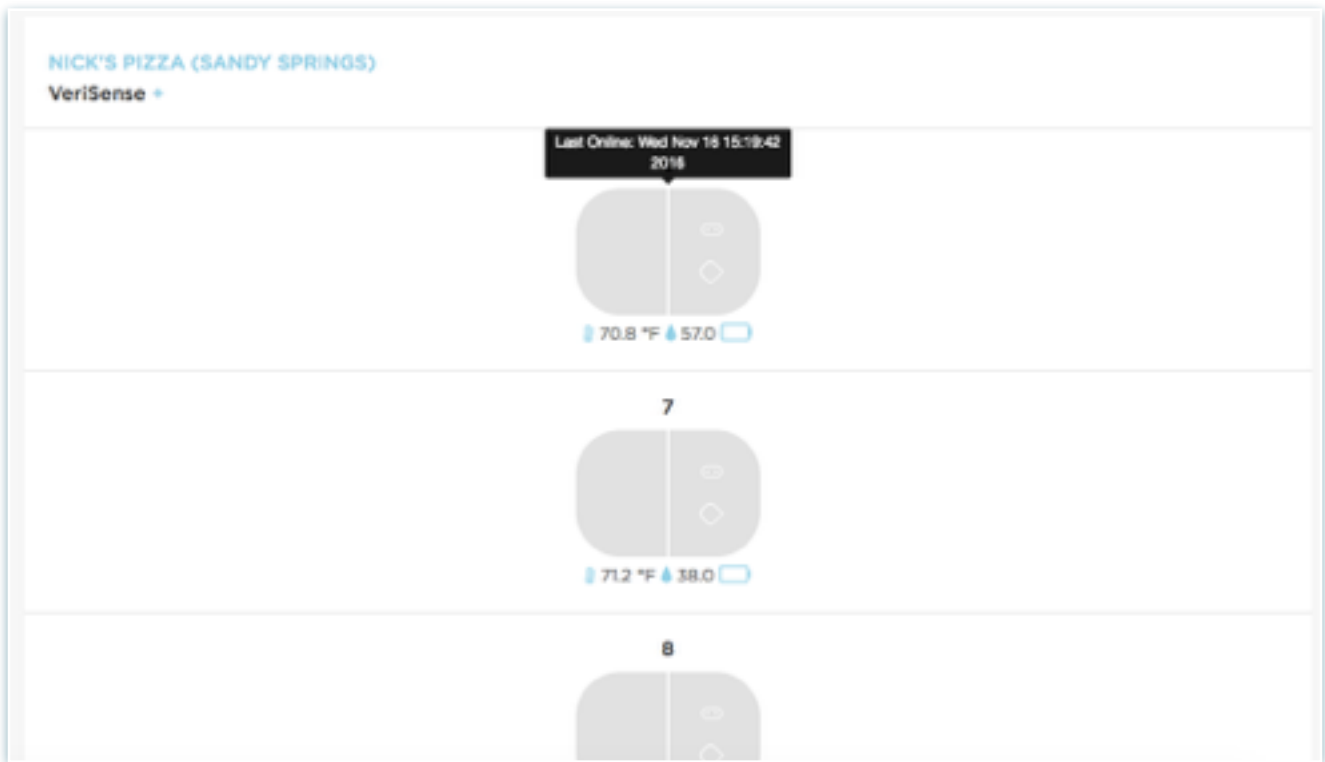


Battery shows the amount of charge held in your VeriConnect battery. This will never go above 86%.

Network provides a topology map of the sensors installed in that particular Unit to help visualize how they relay information to VeriConnect.



VeriSense provides a current list of all sensors belonging to the selected network. For each node, you will find metrics for Temperature, Humidity, Battery, and a Last Online date.



Settings

Clicking on the Settings tab will allow you to update information for your User Profile and reset your password.

The screenshot shows the VeriSolutions user interface. On the left is a sidebar with navigation links: DASHBOARD, ADMIN, ORDERS, **SETTINGS** (highlighted), and LOGOUT. The main content area is titled 'NICK CROCKER Settings' and features a user profile icon. It is divided into two sections: 'Profile' and 'Admin'. The 'Profile' section contains input fields for FIRST NAME (Nick), LAST NAME (Crocker), EMAIL (nick.crocker@verisolutions.co), PHONE, TIME ZONE (GMT-05:00 Eastern Time (US & Canada)), and UNIT SYSTEM (English). There is a 'Avatar' section with a 'Choose File' button and a 'Reset Password' button. The 'Admin' section has a 'PROBE ENABLED' toggle switch set to 'OFF'. At the bottom are 'Back' and 'Update User' buttons.

Profile	
FIRST NAME	LAST NAME
<input type="text" value="Nick"/>	<input type="text" value="Crocker"/>
EMAIL	PHONE
<input type="text" value="nick.crocker@verisolutions.co"/>	<input type="text"/>
TIME ZONE	UNIT SYSTEM
<input type="text" value="GMT-05:00 Eastern Time (US & Canada)"/>	<input type="text" value="English"/>
Avatar	<input type="button" value="Reset Password"/>
<input type="button" value="Choose File"/> No file chosen	

Admin
PROBE ENABLED
<input type="checkbox"/> OFF

Mobile Application

Similar to the VeriCloud portal, the VeriSolutions mobile application allows users to get on demand information on their restaurant.

You can download our app at the Apple App Store or Google Play.

Again, if you don't have the necessary login credentials, please contact Customer Service at 866-294-9240.

Login

To login, simply enter your email address and password.

Remember: You will need to create a user account before using the VeriSolutions mobile app.

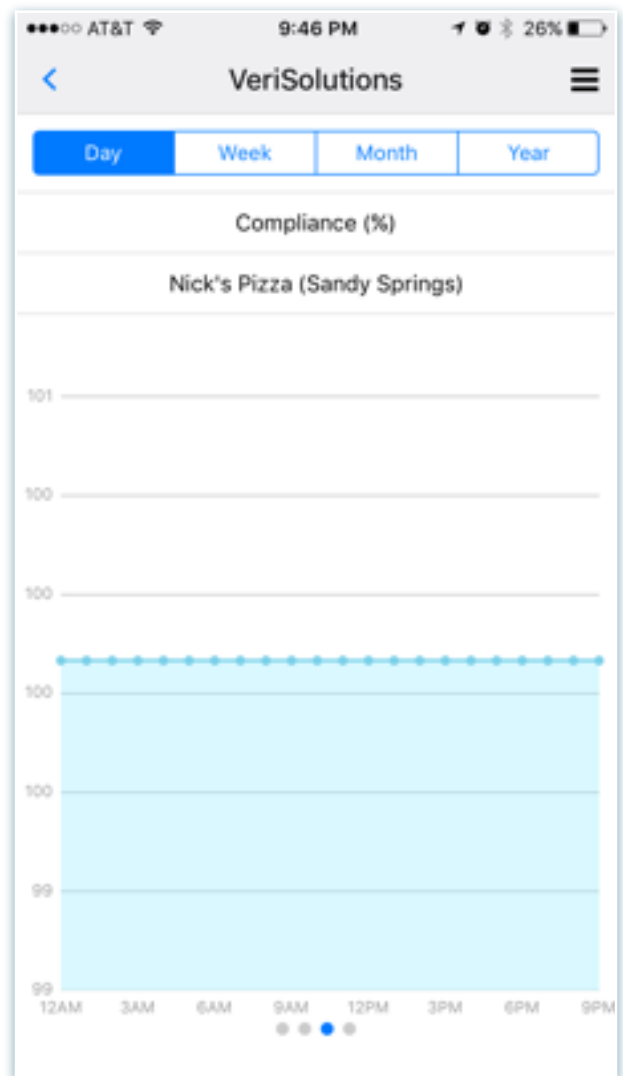
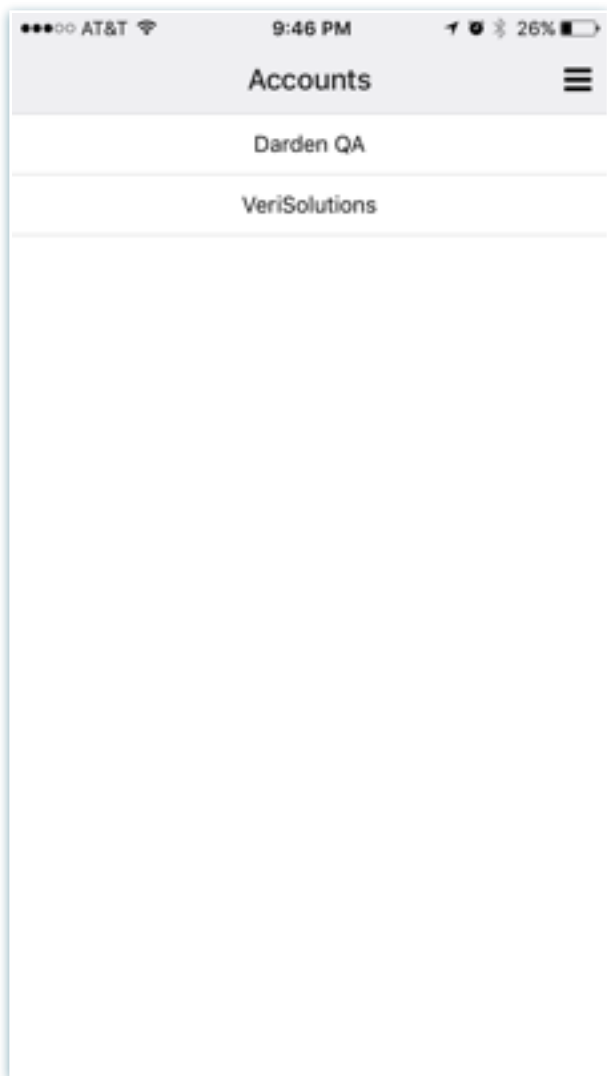
A screenshot of a mobile application interface for 'VeriSolutions'. The background is a solid light blue. At the top, there is a status bar with 'AT&T' signal strength, the time '9:51 PM', and a battery level of '24%'. Below the status bar, the 'VeriSolutions' logo is centered, consisting of a white diamond icon with a dot inside, followed by the text 'VeriSolutions' in white. Below the logo, there are two white rectangular input fields. The first field is labeled 'Email Address' in a light gray font. The second field is labeled 'Password' in a light gray font. Below these two fields is a gray rectangular button with the word 'Login' in white text.

Navigation

After logging in, you'll arrive at the Accounts page. Any Accounts associated with your email address will be displayed.

To view information for a specific account, click on the Account name.

To view information for a specific unit, click on the Unit name underneath "Compliance (%)". Swipe left and right to toggle between Units.



After clicking on a specific Unit name, new graphs will appear for the individual coolers in that unit. You can toggle between the coolers by swiping right or left. You can modify the graph settings to display Temperature, Humidity and Battery over the most recent Day, Week, Month, or Year.



Logout

To logout, simply click on the Menu Bar in the top left corner and select Logout.

