



YZ CONNECT

Admin User Manual

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YZ Connect Login/Account

The YZ Connect administrator(s) at your company are responsible for adding users. Admins will receive a USER ACTIVATION email when added to the dashboard – search junk folder for “User Activation” from support@yz-connect.com. Follow the steps in the activation email and sign in. After activation, you can now login via the website or mobile apps and add other users.

<https://yz-connect.com> is best accessed using Chrome, Mozilla Firefox, or Microsoft Edge. Other browsers could give diminished performance and aren't recommended (i.e. Internet Explorer).

Download the YZ Connect app via the app store.



Connecting YZ Connect Hardware

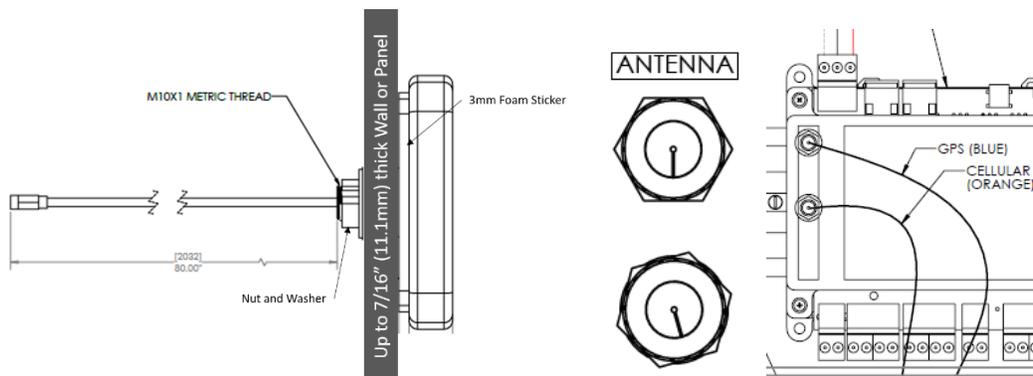
Hardware Specifications

SAFE AREA ONLY, not approved for installation in Hazardous locations

Installation:	Indoor/Outdoor
Enclosure:	NEMA 4X, IP67
Ambient:	-4° to 140°F (-20° to 60°C)
Electrical:	Single Phase 115/230VAC, 0.55A/0.35A, 50/60Hz
Approval Markings:	ETL (US and Canada), CE, UKCA

Antenna

The antenna ships separately and should be mounted outside for optimal cellular reception when necessary. To mount the antenna, drill a hole 10-11mm (0.4-0.43”) in diam. and mount using the provided nut/washer and foam sticker to maintain the IP rating. Route the two antenna cables through the provided cable glands on the box (labeled Antenna) and hook them up as shown below:



Electrical Connections and Wiring

Reference the panel control document in Appendix A for field wiring requirements.



CAUTION: All wiring should be performed by a licensed professional in accordance with local electrical codes.

Power Supply:

Voltage:	Single Phase 115/230VAC 50/60Hz
Current:	0.55A/0.35A (115/230V)
Required Wire Size:	16AWG (1mm ²)
Wire Terminal Torque:	4.4 lb-in (5 kgf-cm)

Wiring Overview:

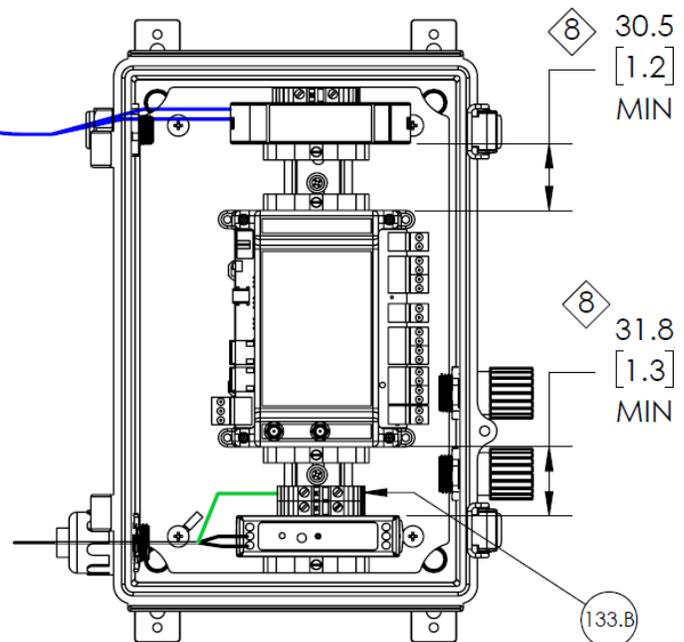
Max RS-485 cable length between N-300 or N-400 and YZ Connect Box = 3960ft (1200m)

HAZARDOUS AREA

CLASS 1, DIV 1, GROUPS C-D OR
CLASS 1, ZONE 1, GROUP IIB OR
ZONE 0, GROUP IIB

INTRINSICALLY SAFE WIRING BARRIER: G.M. INTERNATIONAL D1061S-077	
3/8" NPT GLAND CONNECTION	
SIGNAL	BARRIER TERMINAL
RS485-	13
RS485+	14
SHIELD (OPT)	10
AC WIRING IN	
115/230VAC, 0.55/0.35A, 50/60Hz	
1/2" FLEXIBLE CONDUIT FITTING	
1.3 mm ² (16 AWG) WIRE SIZE, 5 kgf-cm (4.4 lb-in) TORQUE REQUIRED	
WIRE	TERMINAL
LINE	L
NEUTRAL	N
GROUND	133.B

NON-HAZARDOUS AREA



N-300 Modbus Settings

YZ connect uses the default Modbus settings:

- Modbus RTU
- Address = 1
- Baud = 9600
- Parity = None

N-400 Modbus Settings

YZ connect uses the default Modbus settings:

- Modbus RTU
- Address = 1
- Baud = 19200
- Parity = Even
- Stop bits =

Login and Device Access Levels

There are four different access levels on www.YZ-Connect.com

- Dealer
- Sub-Dealer
- Account Admin
- User

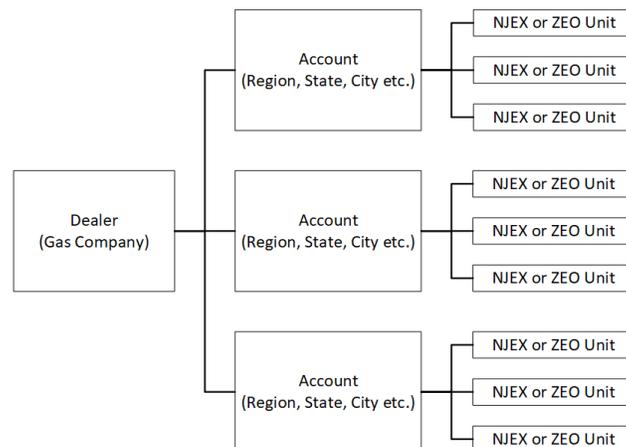
Note - YZ Systems will create the dealer account and add the admin(s) for each company when YZ Connect is purchased for the 1st time. You may have multiple logins for each level.

Access Level	Create Users w/ Dealer Access	Create Users w/ Sub-Dealer Access	Create Accounts	Assign YZ Connect Hardware to Accounts	Create Users w/ Account Admin Access	Create Users w/ User Access Only	Change name and location	View Odorizer Data	Run Reports
Dealer	X	X	X	X	X	X	X	X	X
Sub-Dealer		X	X	X	X	X	X	X	X
Account Admin				X	X	X	X	X	X
User							X	X	

Organizing Odorizers

Organizational Structure

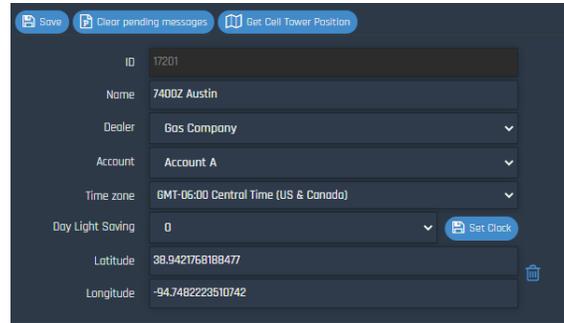
Create accounts to organize your in whatever way makes the most sense for your company – by Region, State, City etc. Under each Account you can have as many NJEX or ZEO as you'd like for each odorization program management.



Account Setup

1. When you purchase YZ Connect hardware it will be activated and placed in an account.
2. Click on your name in the upper right-hand corner of the screen and select *Account*.
3. Edit Account Details for "*company name – rename*" to change the name
4. Click save when done

5. Adjust the name of your YZ Connect hardware or change the account it is in by:
 - a. Select the YZ Connect device
 - b. Select *Setup > General*
 - c. Edit the unit name
 - d. Select the Account to assign this unit to

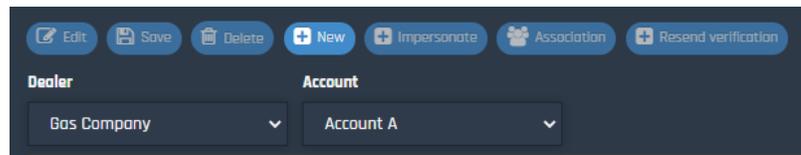
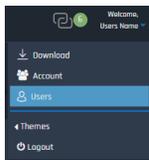


Creating/Editing Users

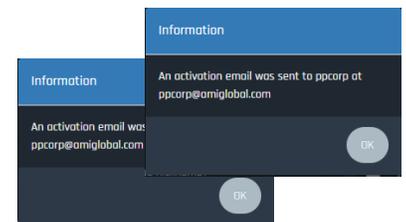
Create new user:

After the account(s) has been set up, logins can be created to give access to others:

1. Click on your name on the upper right-hand corner of the screen and select *Users*.
2. Select the Dealer and Account from the drop down of where the user will be created.

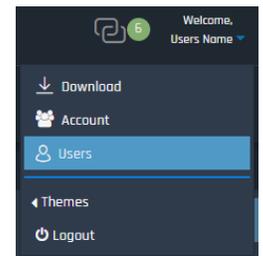


3. Complete the User Details form¹
 - a. Select Access Level²
 - i. Sub-Dealer – See additional steps below
 - ii. Account Admin
 - iii. User
4. Click save to create the user. An activation email will automatically be sent to the Primary Email address in the User Details form.



Edit existing user:

1. Click on your name on the upper right-hand corner of the screen and select *Users*.
2. Click on the User you wish to make changes to
3. Click 
4. Edit the fields you wish to change (**Note: You can NOT change the Login Name**)
5. Click  to save the information and update the user



Delete existing user:

1. Click on your name on the upper right-hand corner of the screen and select *Users*.
2. Click on the User you wish to delete
3. Click 
4. Confirm in the pop-up box

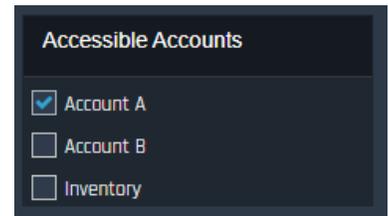
¹ Email MUST be unique

² Can only select levels equal or beneath your level

Assigning Accounts to Sub-Dealer user level:

When creating Sub-Dealers, you will need to select which accounts the login will have access.

1. Click on your name in the upper right-hand corner of the screen and select Users.
2. From the users list select the Sub Dealer user that was just created.
3. Click Edit. The list of Accessible Accounts is displayed to the right.
4. Flag the accounts you want to grant access and click save.



Viewing/Searching for Odorizers

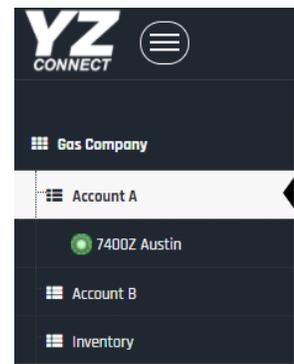
There are multiple ways to search for/find/select an Odorizer.

- From Map
- From List
- From Tree View
- Search by Controller Name or ID
- Sort by Controller Name or ID

From Tree View

On the left side of the window, all Dealer's and Accounts are listed. Devices that are assigned to each account can be seen by clicking on the Dealer/Account they are assigned too.

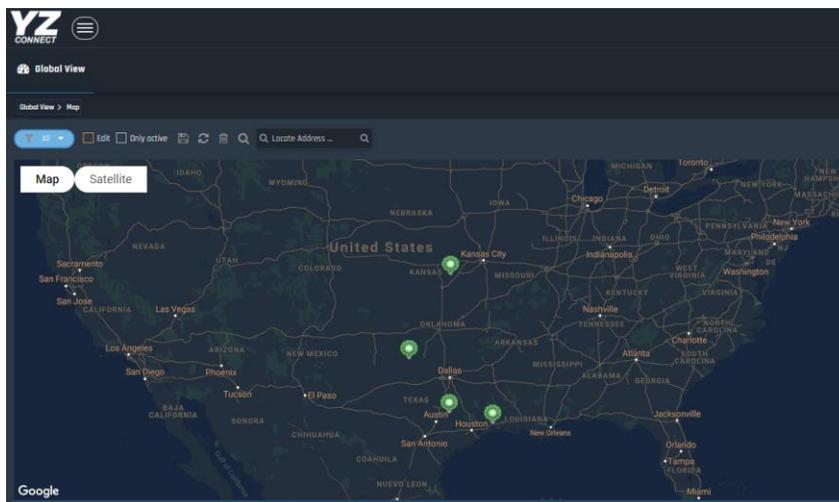
Click on the desired device to view.



View Devices from the Map

When you log in, the interactive map appears on the main screen. If your controller(s) have already been located on the map, they will appear here. Hover your mouse over a controller to see the device ID and other pertinent information.

To select a controller, click on the controller icon.



Device Tabs

Each device contains 3 tabs to access information about the device or specific operational data. For details, see the YZ Connect User Manual.



Main – Odorizer Status and Settings

- **Snapshot** – Latest performance data on your unit. Admin level accounts or above can view and control units with commands available in this tab. User level has the ability to view the Snapshot and select Get Status to refresh the Snapshot.
- **Alarms** – Shows all alarms that are currently active
- **Alarm Log** – Shows a log of all alarms, when they happened, and when they cleared
- **Change Log** – shows a log of all parameter changes so you can see what was updated and when
- **Settings** – Current settings on the N-300 or N-400 controller. Admin levels or above can update these parameters when the unit is stopped.
- **GPS** – Location of this unit on a map so technicians etc. can locate it.
- **Hardware Parameters** – Configure a 4-20mA odorant sensor or other signal so it can be viewed and logged via YZ Connect.

Reports – View and download historical data

- **Graph** – A Linear or accumulative graph can be selected from the dropdowns above the graph. Select data to graph via dropdown. These graphs are exportable to multiple formats.
- **Tabular** – Linear or accumulative data can be selected from the dropdowns above the graph. Select data to view via dropdown. These values are exportable to multiple formats.
- **Email Report** – Log of emails sent to the primary and/or secondary email addresses that are assigned to receive alerts from the device.
- **SMS Report** – Log of SMS/Text messages sent to the mobile number of the users assigned to receive alerts from the device.

Setup – Device customization, basic diagnostics and device notes

- **General** – This tab contains basic configuration of the device.
 - **ID** – This number is the device ID. This is not changeable.
 - **Name** – Changeable custom name of the device up to 20 characters
 - **Account** – Activated and Registered devices can be moved to different accounts. Select the desired account and then click save.
 - **Time Zone** – Changes the time zone setting of the device. Select the desired time zone and click save. Wait 20 seconds then click on Set Clock.
 - **Daylight Savings** – Selects the current Daylight Savings settings of the device. YZ Connect will automatically change this setting when required.
 - **Longitude and Latitude** – This is the Longitude and Latitude values of the device's location.
- **Ver & Com** – Displays current Firmware and Cellular module information.
- **Service** – Contains device history. This tab can also be used by service technicians to add notes to the device history. Select “add” to type in info and then click save – requires read/write access for the user in the user settings.

Device Icons

Below the general tab we give you indications of the current selected tab, signal strength indicator, and device icon. The device icons are also displayed in the tree view on the left side of the screen.

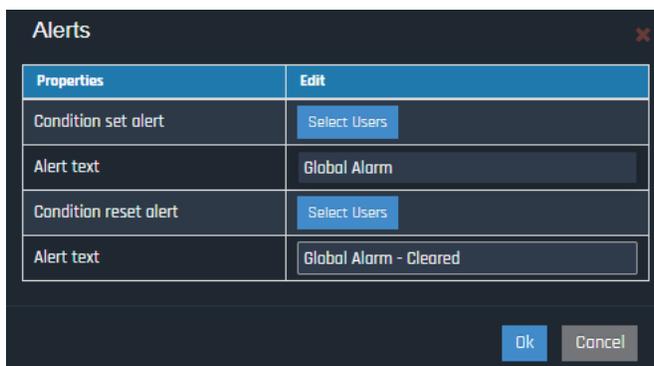
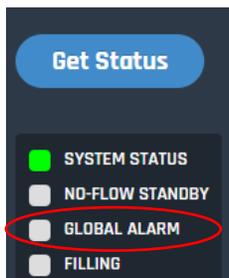
Icon	Meaning	Action
	Indicates the device is online and communicating with the servers	-
	Indicates the device is offline and NOT communicating with the servers	Check power, call tech support for assistance if issue persists
	Modbus Communication Error	Check Modbus wiring and settings on controller
	Unit has a Global Alarm	Select this unit and view the "Alarms" tab or the "Alarm Log"
	Indicates there is a pending communication message with the device. The red outline may be there temporarily or constantly.	Check message in Download tab
	Cellular service strength indicator	If you don't see any green bars call tech support for assistance

Alarm Notifications via Text or Email

We have 3 ways to deliver Global Alarm notifications to users. Email 1, Email 2, and SMS. To assign users to get alerts:

- DOUBLE CLICK on the global alarm in the upper left on the Snapshot page.
- Select the users to be alerted* when an alarm goes on (condition set alert) or when an alarm goes off (condition reset alert).

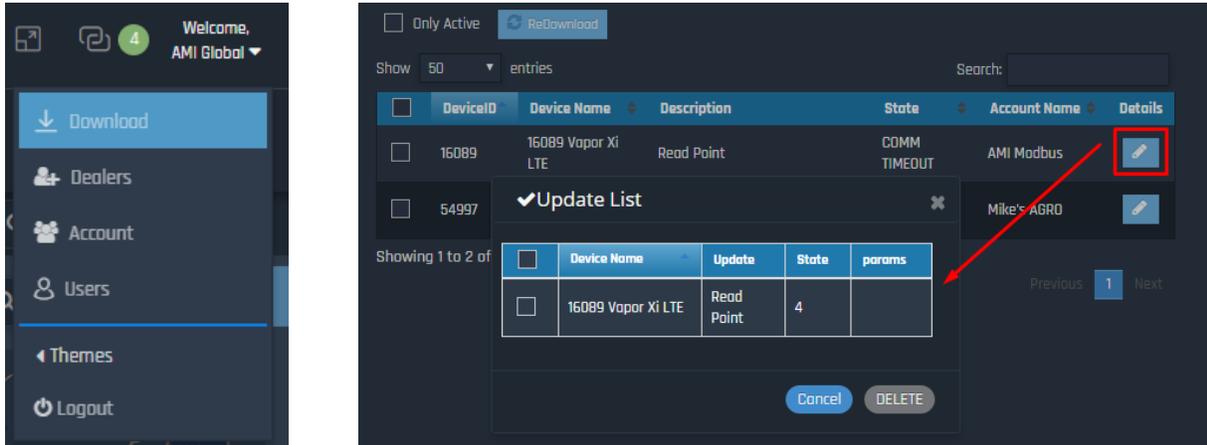
*Users must have phone # added in their user settings to select text message alerts.



Troubleshooting

If you see the  icon, go to the download view to see what the error message is.

This tab will display all of the pending downloads of each device. From this tab you will be able to get state information, which will help you determine the cause of the failed message. To access this view, click on your name in the upper right-hand corner of the screen. Select Download.



A list of pending downloads will be displayed. To see the State of the download, click on the details button for each message. In the example below the State = 4, this indicates a Modbus communication error between the device and controller.

Download – Message States

- State 0 – Communication initiated
- State 1 – First attempt with sending the message
- State 2 – Second attempt with sending the message if first attempt fails.
- State 3 – Successful transmission
- State 4 – Modbus communication failure
- State 5 – Cellular communication failure

YZ Global Support

24 Hour Service Support

techsupport@yzhq.com

800-344-5399

APPENDIX A – Panel Control Drawing

