

# CONNECTVIEW™ WEB APP OVERVIEW

# What Is The ConnectView™ Web App?

CTC's complimentary ConnectView™ Web App comes preloaded on Connect Wireless Gateways and offers basic vibration tools and device management functionality, including:

- Configure WS200 and WS300 Series Sensor (Please note, WS100 is factory configurable only)
- Nickname sensors
- Set critical and early alert values which can be viewed through the ConnectView™ Web App
- Create machine groups
- View battery life
- Request readings on demand (WS200 & WS300 only)
- View basic vibration data:
  - WS100 – View overall vibration amplitude in RMS, Peak, and Peak to Peak
  - WS200 & WS300 – View FFT and Time Waveform data



# Logging In For ACCESS360

You can access the ConnectView™ Web App on any device, using any web browser.

Type in:

<http://ctcap->

followed by the **serial number of your ConnectBridge™ Gateway**



Serial number

Gateway must be powered on to load web app



# Logging In For ACCESS360

**First time users** – use this link to create an account when logging in for the first time

CTC  
CONNECT

Account Login

Email  
✉ wireless@ctconline.com

Password  
🔒 ..... 👁

[Forgot password?](#)

Log In

Don't have an account yet? [Create One](#)

**Returning users** – enter your email and password, then click Log In

# Logging In For ACCESS2000

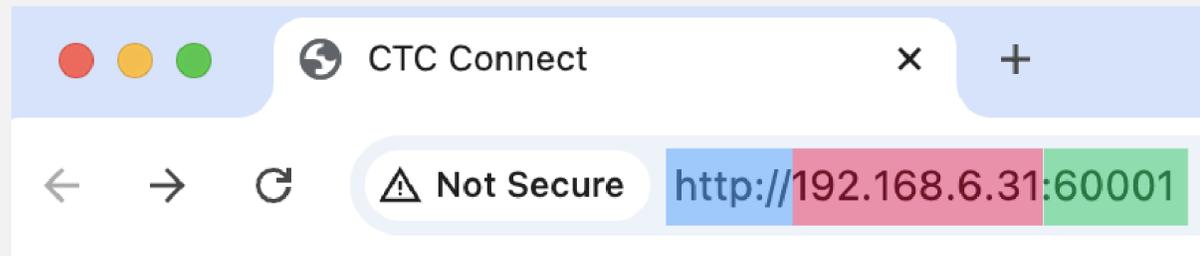
You can access the ConnectView™ Web App on any device, using any web browser.

Type in:

**http://**

followed by the **IP ADDRESS for the ACCESS2000 Gateway**

followed by **:60001**



*Please note – to find the IP address of the ACCESS2000 gateway on your network, please refer to **page 8 of the ACCESS2000 Network Controller & Wireless Gateway Product Manual***



**Gateway must be powered on and connected to Wi-Fi or wired LAN to load web app**



# Logging In For ACCESS2000

**First time users** – use this link to create an account when logging in for the first time

CTC  
CONNECT

Account Login

Email  
wireless@ctconline.com

Password  
.....

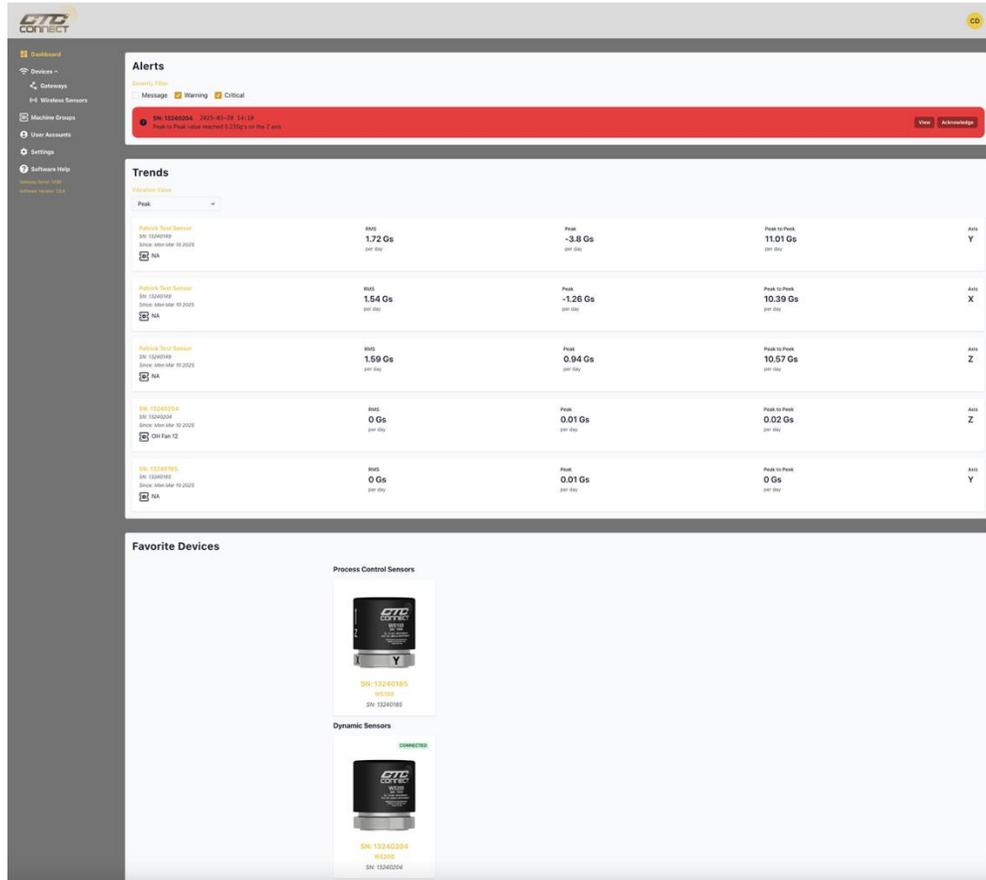
Forgot password?

Log In

Don't have an account yet? [Create One](#)

**Returning users** – enter your email and password, then click Log In

# Dashboard



The dashboard shows



Alerts



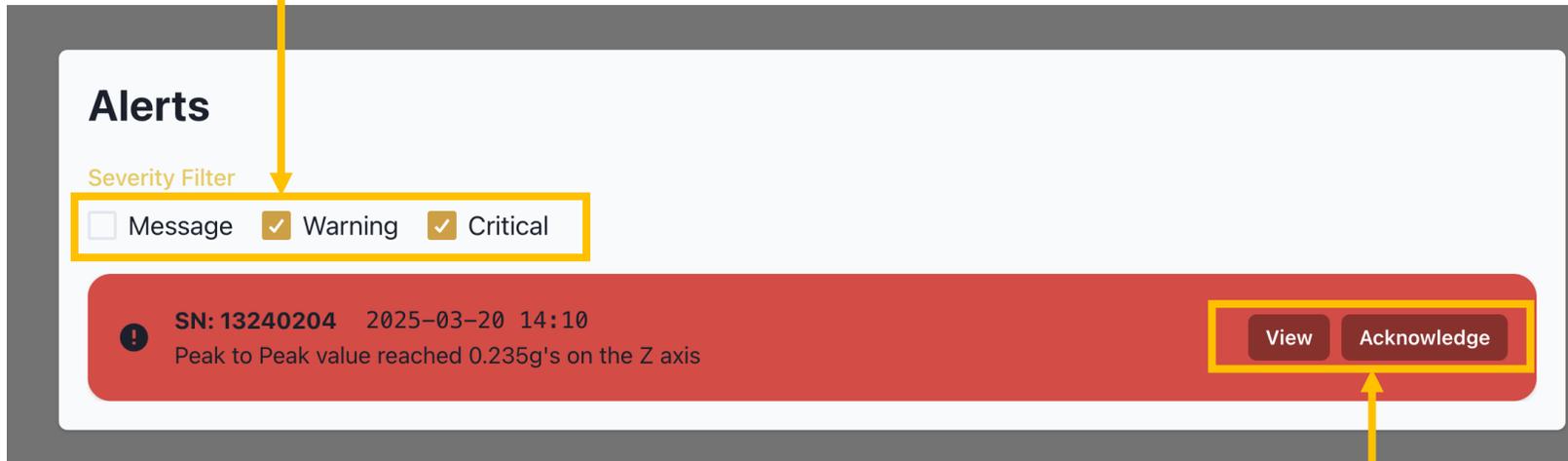
Trends



Favorite Devices

# Alerts

Use the check boxes to select what alerts to display



The screenshot shows an 'Alerts' section with a 'Severity Filter' containing three checkboxes: 'Message' (unchecked), 'Warning' (checked), and 'Critical' (checked). Below the filter is a red alert card with an exclamation mark icon, the text 'SN: 13240204 2025-03-20 14:10', and the message 'Peak to Peak value reached 0.235g's on the Z axis'. To the right of the card are two buttons: 'View' and 'Acknowledge'.

Use the buttons to view or acknowledge the alert

# Trends

Use the dropdown to choose type of vibration value you'd like displayed

→ Peak

→ RMS

→ Peak to Peak

Trends				
Vibration Value				
<input checked="" type="checkbox"/> Peak RMS Peak to Peak	RMS	Peak	Peak to Peak	Axis
Patrick Test Sensor SN: 13240149 Since: Mon Mar 10 2025 NA	<b>1.72 Gs</b> per day	<b>-3.8 Gs</b> per day	<b>11.01 Gs</b> per day	<b>Y</b>
Patrick Test Sensor SN: 13240149 Since: Mon Mar 10 2025 NA	<b>1.54 Gs</b> per day	<b>-1.26 Gs</b> per day	<b>10.39 Gs</b> per day	<b>X</b>
Patrick Test Sensor SN: 13240149 Since: Mon Mar 10 2025 NA	<b>1.59 Gs</b> per day	<b>0.94 Gs</b> per day	<b>10.57 Gs</b> per day	<b>Z</b>
SN: 13240204 SN: 13240204 Since: Mon Mar 10 2025 OH Fan 12	<b>0 Gs</b> per day	<b>0.01 Gs</b> per day	<b>0.02 Gs</b> per day	<b>Z</b>
SN: 13240185 SN: 13240185 Since: Mon Mar 10 2025 NA	<b>0 Gs</b> per day	<b>0.01 Gs</b> per day	<b>0 Gs</b> per day	<b>Y</b>

Click on any trend to view the sensor's page

# Favorites

Click on any of your favorite devices to view the device's page

### Favorite Devices

**Process Control Sensors**



SN: 13240185  
WS100  
SN: 13240185

**Dynamic Sensors**

CONNECTED  


SN: 13240204  
WS200  
SN: 13240204

# Devices - Sensors

View all your sensors at glance

**Process Control Sensors**

SN: 13240185	SN: 44240408	SN: 44240435	SN: 44240434	SN: 44240436
WS100 SN: 13240185	WS100 SN: 44240408	WS100 SN: 44240435	WS100 SN: 44240434	WS100 SN: 44240436

SN: 44240424	SN: 44240494	SN: 44240402	SN: 44240482	SN: 44240441
WS102 SN: 44240424	WS102 SN: 44240494	WS102 SN: 44240402	WS102 SN: 44240482	WS102 SN: 44240441

Previous 1 2 Next

**Dynamic Sensors**

DISCONNECTED	DISCONNECTED	CONNECTED
WS300-GW#999990 WS300 SN: 13240075	Patrick Test Sensor WS300 SN: 13240149	SN: 13240204 WS300 SN: 13240204

Dynamic sensors will be labeled connected or disconnected

Click on any sensor to view its page



# WS100 Sensor Page

View basic sensor info

Set as favorite, edit name, or remove sensor

Set Critical Alert or Early Alert Settings by clicking on the three dots in the corner

The screenshot shows the WS100 Sensor Page interface. At the top left, there is a back arrow and the text "Back to Wireless Sensors". The main title is "Process Control 13240185". Below the title, there are four fields: "Serial: 13240185", "Part: WS100", "Firmware: 5.5.5.C.D", and "Gateway: 999990". A battery icon shows "85%" and "Last Check In: 3/19/2025, 10:13:00 AM". Below this, there are three icons: a star, a pencil, and a trash can. The main content area consists of several cards: "Critical Alert Setting" (Not set), "Early Alert Setting" (Not set), "Reading Interval" (12 Hours), "Machine" (Not set), "Dynamic Range" (+/- 32g), "Operation Mode" (Acceleration), and "Frequency Range" (10Hz - 1kHz). Three yellow callout boxes with arrows point to specific elements: the first points to the title and serial number area; the second points to the star, pencil, and trash icons; the third points to the three dots in the top right corner of the "Critical Alert Setting" card.

*The other specs shown are not user-configurable for WS100*



# WS100 Sensor Page

View and set alerts

## Alerts

Severity Filter

Message  Warning  Critical

Found No Alerts

Most recent measurement will be displayed here

## Measurements

Temperature: 14°C

AXIS	RMS	PEAK	PEAK TO PEAK
X	0.018 g's	-0.066 g's	0.113 g's
Y	0.018 g's	-0.072 g's	0.138 g's
Z	0.018 g's	0.065 g's	0.132 g's

03/19/2025

9:13:00 AM

Last Reading: 3/19/2025, 9:13:00 AM

Calculate trend over a specified period

## Trending

Start Date

End Date

Unit

Axis

Peak

Z

Calculate

Use the calendar dropdown to select measurements from a specific date and the time dropdown to select from all reading times for that date

# WS200/WS300 Sensor Page

View basic sensor info

Set as favorite, edit name, disconnect, or remove sensor

User-configurable specifications – click on the three dots in the corner to configure

Take reading on demand

The screenshot shows the sensor page for a WS200 sensor. At the top, there is a 'Back to Wireless Sensors' link and a sensor image. The main header displays 'SN: 13240204' with a 'CONNECTED' status. Below this, a row of metadata includes 'Serial: 13240204', 'Part: WS200', 'Firmware: 2.2.0.C.D', and 'Gateway: 1238'. A battery level indicator shows '100%'. A row of action icons includes a star (favorite), a pencil (edit), a gear (configure), and a trash can (remove). Below the action icons is a grid of six configuration cards, each with a three-dot menu icon in the top right corner:

- Critical Alert Setting:** 0.1 Peak to Peak
- Early Alert Setting:** 1 RMS
- Reading Interval:** 12 Hours
- Machine:** OH Fan 12
- Dynamic Range:** +/- 32g
- Reading Options:** Fmax: 2500Hz / Res: 1Hz

A 'Take Reading' button is located at the bottom right of the page.

# WS200/WS300 Sensor Page

View and set alerts

## Alerts

Severity Filter

Message  Warning  Critical

Found No Alerts

Most recent temperature measurement will be displayed here

## Temperature

21°C

3/20/2025, 10:10:00 AM

## Measurements

03/20/2025

12:00 AM

11:59 PM

Search

Use the calendar dropdown to select measurements from a specific date and use the start and end times to show only readings during a specific time of the selected day

# WS200/WS300 Sensor Page

**Temperature**

21°C

3/20/2025, 10:10:00 AM

**Measurements**

03/19/2025 12:00 AM 11:59 PM

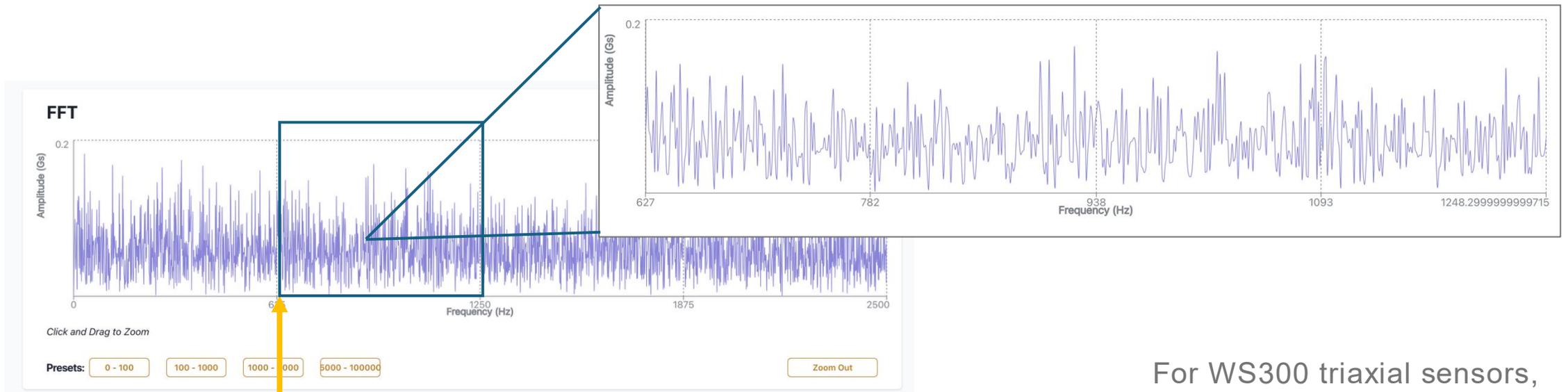
AXIS	RMS	PEAK	PEAK TO PEAK
Z	0.032 g's	0.133 g's	0.252 g's

04:37 PM  
04:12 PM  
12:42 PM  
12:41 PM  
09:18 AM  
08:20 AM

Measurements in RMS, Peak, and Peak to Peak will show for your selected reading. Note, WS300 triaxial sensors will show data for all three axis per reading.

Once you've selected a date and timeframe and clicked Search, a dropdown menu will appear. You can select from any reading during your specified timeframe.

# WS200/WS300 Sensor Page



For WS300 triaxial sensors, you can toggle between axes to view FFT charts for each axis

The FFT chart for your selected reading will be displayed. You can click and drag on the chart to zoom to a specific frequency.

# WS200/WS300 Sensor Page

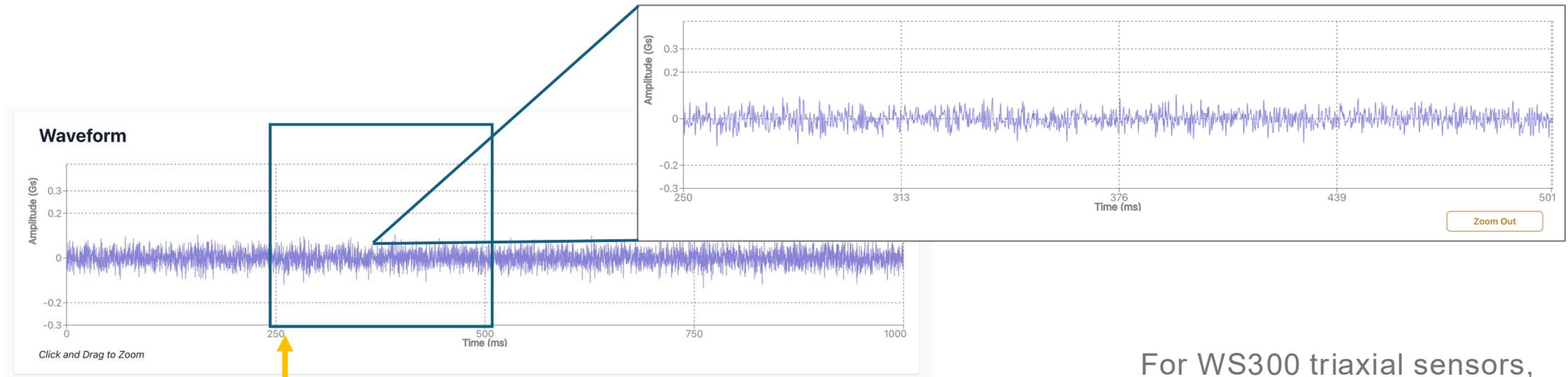


Use the dropdown to toggle between acceleration (g or  $m/s^2$ ) and velocity (in/s or mm/s)

Use the Export to CSV button to download your FFT data.

Select from preset zoom levels for popular bands

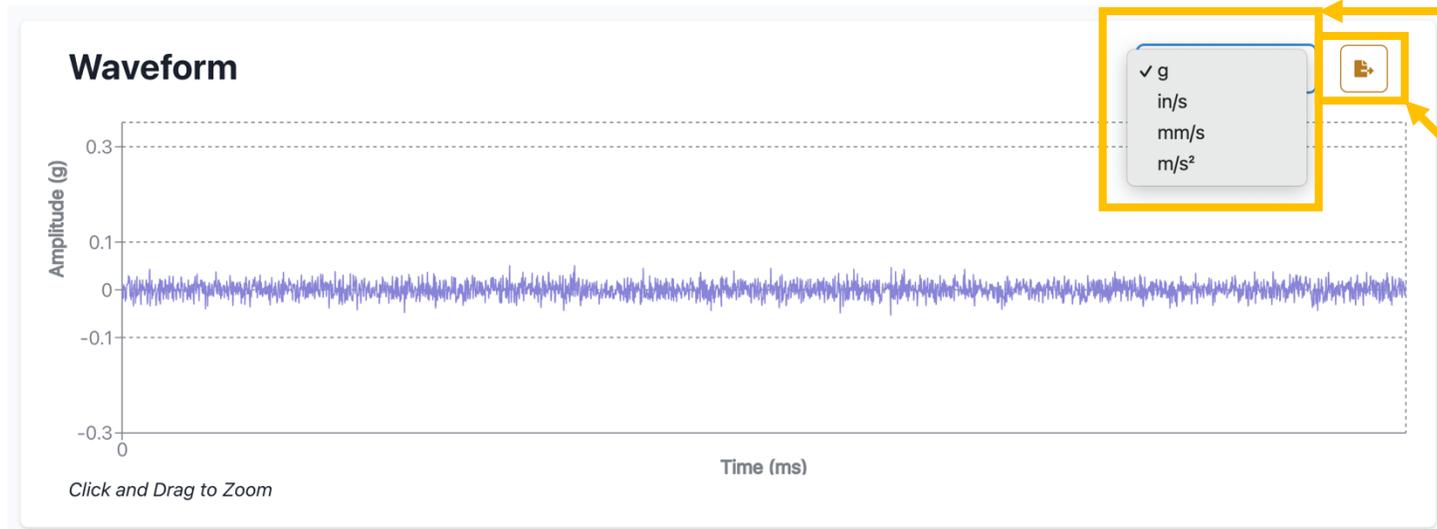
# WS200/WS300 Sensor Page



The Waveform chart for your selected reading will be displayed. You can click and drag on the chart to zoom to a specific frequency.

For WS300 triaxial sensors, you can toggle between axes to view Waveform charts for each axis

# WS200/WS300 Sensor Page



Use the dropdown to toggle between acceleration (g or m/s<sup>2</sup>) and velocity (in/s or mm/s)

Use the Export to CSV button to download your Waveform data.

# Devices - Gateway

View all your gateways at a glance

The screenshot displays the CTC Connect web interface. On the left, a sidebar menu includes 'Dashboard', 'Devices ^', 'Gateways', 'Wireless Sensors', 'Machine Groups', 'User Accounts', 'Settings', and 'Software Help'. The 'Gateways' menu item is highlighted with a yellow box. The main content area is titled 'Gateways' and shows two gateway cards. The first card is labeled 'DISCONNECTED' and has SN: 999990. The second card is labeled 'PRIMARY' and has SN: 1238. The 'CONNECTED' label is also visible above the second card. A yellow arrow points from the 'Gateways' menu item to the main content area. Another yellow arrow points from the 'PRIMARY' label to the text 'Primary gateway will be labeled'. A third yellow arrow points from the 'CONNECTED' label to the text 'Gateways will be labeled connected or disconnected'. A fourth yellow arrow points from the 'DISCONNECTED' label to the text 'View all your gateways at a glance'.

Primary gateway will be labeled

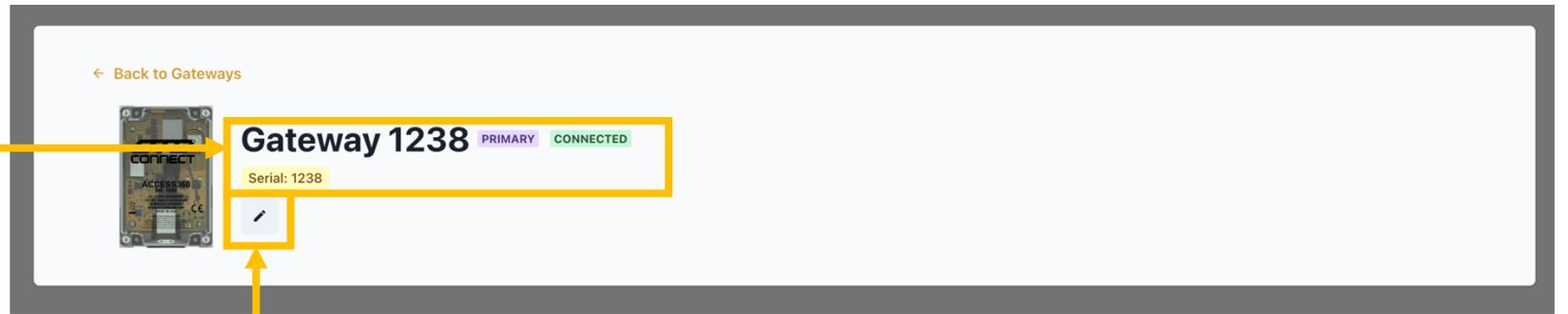
Gateways will be labeled connected or disconnected

Click on any gateway to view its page



# Gateway Page

View basic gateway info



The screenshot shows a user interface for a gateway. At the top left, there is a link labeled "← Back to Gateways". Below this is a small image of a gateway device. To the right of the image, the text "Gateway 1238" is displayed in a large font, followed by the status "PRIMARY" in a purple box and "CONNECTED" in a green box. Below the name, the text "Serial: 1238" is shown. A small pencil icon is located below the serial number, indicating an edit function.

Edit gateway name

# Machine Groups

Click New Machine to create a machine group

View and create machine groups

The screenshot displays the CTC Connect web interface. The top header features the CTC Connect logo on the left and a user profile icon labeled 'CD' on the right. A left-hand navigation menu includes options for Dashboard, Devices, Gateways, Wireless Sensors, Machine Groups (highlighted with a yellow box), User Accounts, Settings, and Software Help. The main content area is titled 'Manage Machines' and contains a '+ New Machine' button, a list item for 'OH Fan 12' with a green checkmark, and an information box that says 'Select a machine to view and edit its sensors'. At the bottom of the page, the gateway serial number '1238' and software version '1.0.8' are displayed.

Click on an existing machine group to view and edit

# Machine Groups

The screenshot shows the CTC Connect web interface. On the left is a navigation menu with items: Dashboard, Devices, Machine Groups (highlighted), User Accounts, Settings, and Software Help. The main content area is titled 'Manage Machines' and contains a '+ New Machine' button and a list of machines, including 'OH Fan 12'. A 'Create a Machine' dialog box is open on the right, with a yellow border. The dialog has fields for Name, Motor Gearbox, Description, Primary Motor, and Location. The 'Location' field contains 'Floor 1'. At the bottom of the dialog are 'Cancel' and 'Save' buttons. A yellow arrow points from the 'Save' button to a text box on the right.

To create a new machine, click the New Machine button, then enter a machine name, description, and location and click Save

# Machine Groups

Click on a machine group on the left to view and manage it

The screenshot displays the 'Manage Machines' interface. At the top left, there is a '+ New Machine' button. Below it, a list of machine groups is shown, with 'OH Fan 12' selected and highlighted by a yellow box. To the right of the machine group list, the details for 'OH Fan 12' are shown, including '15hp motor - 5 vane fan' and location 'B3F1G4'. A yellow box highlights a yellow '+' button in the top right corner of the machine details panel. Below the machine details, a list of sensors is displayed. The first sensor is 'WS300-GW#999990' with a 'NO ALERTS' status. Below it, the sensor 'SN: 13240204' is shown with 'NO ALERTS' status. The sensor details include 'Early Alert Threshold 1 Gs' and 'Critical Alert Threshold 0.1 Gs'. A yellow box highlights an arrow button in the top right corner of the sensor details panel. At the bottom right of the sensor details, there are 'View' and 'Remove' buttons.

Click the yellow + button to add a sensor to the machine group

Use the arrow button in the right corner to view sensor alert info

All the sensors assigned to the machine group will appear here

# User Accounts

View all user accounts

Name	Email	Role	Alerts	Actions
Jon Smith	jsmith@email.com	Admin		
Jay White	jwhite@email.com	Admin	Warning, Critical	
Jack Jones	jjones@email.com	Viewer	Warning, Critical	
Jim Miller	jmiller@email.com	Admin	Warning, Critical, Message	

Use these buttons to edit user permissions or remove users

# User Accounts

Edit user info including name, alerts, and role

The screenshot shows the CTC Connect web interface. On the left is a navigation sidebar with options: Dashboard, Devices, Machine Groups, User Accounts (highlighted), Settings, and Software Help. The main content area is titled 'Manage User Accounts' and contains a table of users. An 'Edit Contact' modal is open over the first user, 'Jon Smith'. The modal contains the following fields:

- First Name:** Jon
- Last Name:** Smith
- Alert Emails:** Three checkboxes for Message, Warning, and Critical.
- Role:** Three radio buttons for Viewer, Analyst, and Admin (which is selected).
- Save:** A yellow button at the bottom.

The background table has the following data:

Name	Alerts	Actions
Jon Smith		[Edit] [Delete]
Jay White	Warning, Critical	[Edit] [Delete]
Jack Jones	Warning, Critical	[Edit] [Delete]
Jim Miller	Warning, Critical, Message	[Edit]

# Settings

Select light or dark theme

View settings

The screenshot shows the CTC Connect web interface. The top header features the CTC Connect logo on the left and a user profile icon labeled 'CD' on the right. A left-hand navigation menu includes 'Dashboard', 'Devices', 'Machine Groups', 'User Accounts', 'Settings' (highlighted with a yellow box), and 'Software Help'. Below the menu, system information is displayed: 'Gateway Serial: 1238' and 'Software Version: 1.0.8'. The main content area is titled 'Settings' and contains two sections: 'Gateway' and 'Theme'. The 'Gateway' section is highlighted with a yellow box and lists links for 'Reset Configuration', 'System Reboot', 'Wireless Scanning Reboot', 'MQTT Setup', and 'Software Update'. The 'Theme' section is also highlighted with a yellow box and shows a toggle switch for 'Light' and 'Dark' themes. A yellow arrow points from the 'View settings' callout to the 'Settings' menu item. Another yellow arrow points from the 'Select light or dark theme' callout to the 'Theme' section. A third yellow arrow points from the 'Use these links to adjust gateway settings' callout to the 'Gateway' section.

Use these links to adjust gateway settings

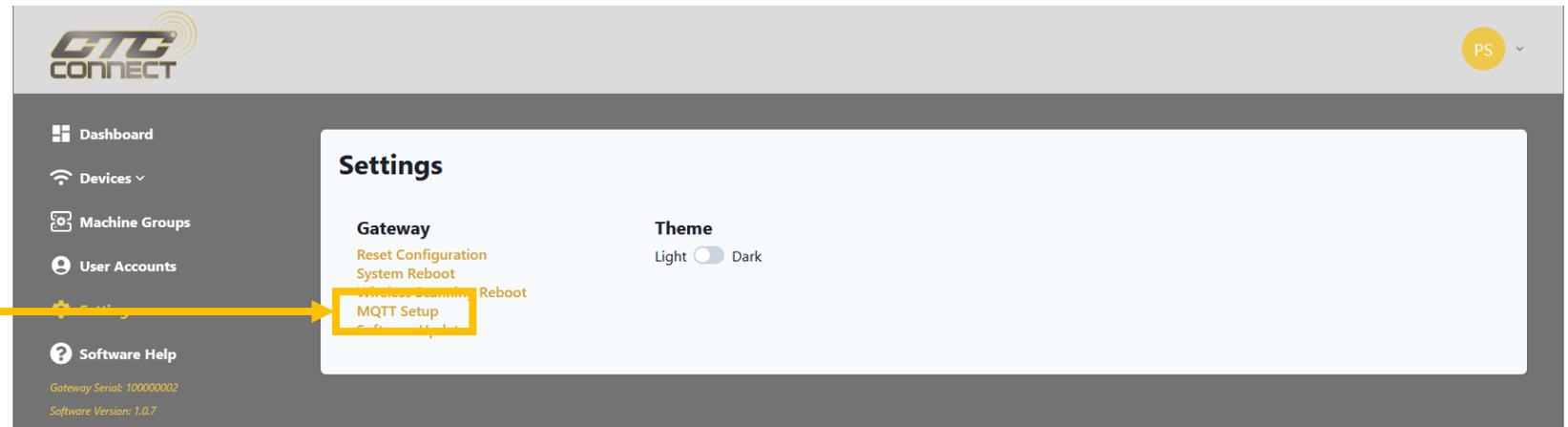
# MQTT IoT Protocol

This feature allows you to host your own MQTT broker and seamlessly receive information from your CTC Connect Gateways.

Whether you prefer to host your MQTT broker locally or in your cloud, both options are supported.

On the Settings screen, Click MQTT Setup

(please note, gateway software version must be updated to the most current version to setup the MQTT)



# MQTT IoT Protocol

Enter your  
Broker  
information

The screenshot shows the 'Settings' page in the CTC Connect interface. The left sidebar contains navigation options: Dashboard, Devices, Machine Groups, User Accounts, Settings (highlighted), and Software Help. The main content area is titled 'Back to Settings' and contains the following fields:

- Broker URL:** mqtt:// (dropdown), mqtt-ctctesting.eastus-1.ts.eventgrid.azure.net (text)
- Port:** 8883 (text), Encrypted (dropdown)
- Client ID:** client1 (text)
- Topic Root:** testroot (text), EX: testroot/access360/dyn/get (example)
- Username:** client1-authn-ID (text)
- Password:** [masked with dots] (text)
- Keep Alive:** 60 (text)
- Clean Start:** [toggle switch]
- CA Certificate File:** [Select File button]
- Client Certificate File:** [Select New File] [Clear Selection] client1-authn-ID.pem
- Client Key File:** [Select New File] [Clear Selection] client1-authn-ID.key
- Key File Password:** [text input]

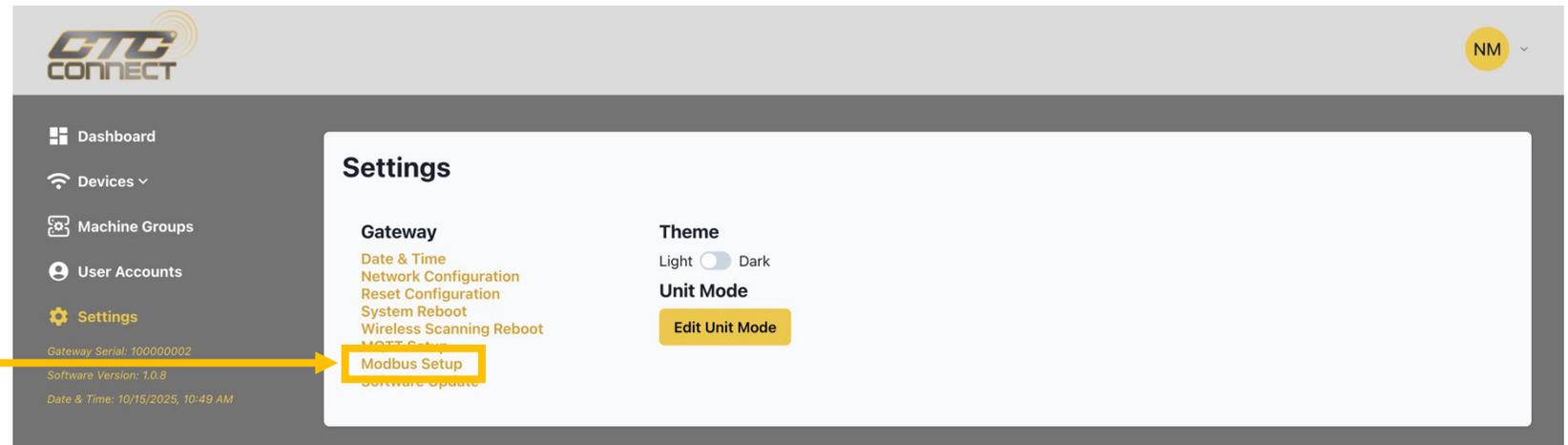
A yellow box highlights the 'Connect' button at the top right of the form. A yellow arrow points from the 'Enter your Broker information' text box to the form area.

Then click  
Connect

# Modbus Protocol

Modbus is a protocol for communicating with Industrial Control Systems over Ethernet TCP.

On the Settings screen, Click Modbus Setup  
(please note, gateway software version must be updated to the most current version to setup Modbus)



# Modbus Protocol

Specify the required parameters such as Port, Connection Timeout, and other relevant options.

The screenshot displays the CTC Connect web interface. The left sidebar contains navigation options: Dashboard, Devices, Machine Groups, User Accounts, and Settings. The main content area is titled 'Configuration' and includes a 'Save Changes' button. The configuration is divided into several sections: 'Configuration' (with a toggle switch and IP address 192.168.4.0), 'Max Clients' (10) and 'Connected Clients' (0/10), 'Port' (502), and 'Connection Timeout' (5000). Below these is the 'Allowed IP Ranges' section with 'START' and 'END' input fields. A 'Slots' section at the bottom indicates no slots are configured. Yellow boxes highlight the 'Port' and 'Connection Timeout' fields, and another yellow box highlights the 'Allowed IP Ranges' section. Arrows point from the text boxes to these highlighted areas.

Optionally, you can enable IP range filter for additional access control.

# Modbus Protocol

To determine which sensors are exposed through Modbus, create a slot.

CTC CONNECT

NM

Dashboard

Devices

Machine Groups

User Accounts

Settings

Gateway Serial: 100000002

Software Version: 1.0.8

Date & Time: 10/15/2025, 11:06 AM

← Back to Settings

**Configuration** Save Changes

Modbus Enabled

Gateway IP 192.168.4.0

Port 502

Max Clients 10

Connected Clients 0/10

Connection Timeout 5000

**Allowed IP Ranges**

START END

**Slots**

No slots configured. Add a new Modbus Slot and link it to a sensor to begin writing sensor data to Modbus addresses.

Click the “plus” button to add a slot.

# Modbus Protocol

To determine which sensors are exposed through Modbus, create a slot.

Enter an integer ID and a selected sensor

**Add New Slot** ×

Select a Modbus memory Slot and the Sensor to populate that memory.

Enable  Slot  Serial   
 Select Sensor

ADDRESS	COILS		DISCRETE INPUTS		INPUT REGISTERS		HOLDING REGISTERS	
	DESCRIPTION	UNIT	DESCRIPTION	UNIT	DESCRIPTION	UNIT	DESCRIPTION	UNIT
0	Take Reading	bool	Done Reading	bool	Sensor Type	uint16		
1	Take Temperature	bool	Done Temperature	bool	X RMS	float32		
2	Take Battery	bool	Done Battery	bool	X RMS	float32		
3	Disconnect	bool	Connected	bool	Y RMS	float32		
4					Y RMS	float32		
5					Z RMS	float32		
6					Z RMS	float32		
7					X Peak	float32		
8					X Peak	float32		

A slot represents a group of 48 consecutive addresses, which corresponds to the data displayed in the UI table.

This structure ensures organized mapping of sensor information for efficient Modbus communication.

Once slot is selected, the addresses on the left of the table will update to show where data is being mapped to.

[Click here to view address maps](#)

# Connect with CTC

We look forward to hearing from you

