

CONNECTVIEW™

WEB APP

OVERVIEW

What Is The ConnectView™ Web App?

CTC's complimentary ConnectView™ Web App comes preloaded on the ConnectBridge™ Gateway and offers basic vibration tools and device management functionality, including:

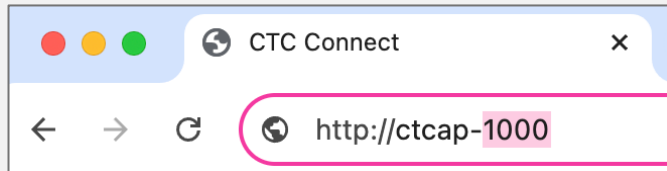
- Configure WS200 and WS300 Series Sensor (Please note, WS100 is factory configurable only)
- Nickname sensors
- Set critical and early alert values which can be viewed through the ConnectView™ Web App
- Create machine groups
- View battery life
- Request readings on demand (WS200 & WS300 only)
- View 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

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

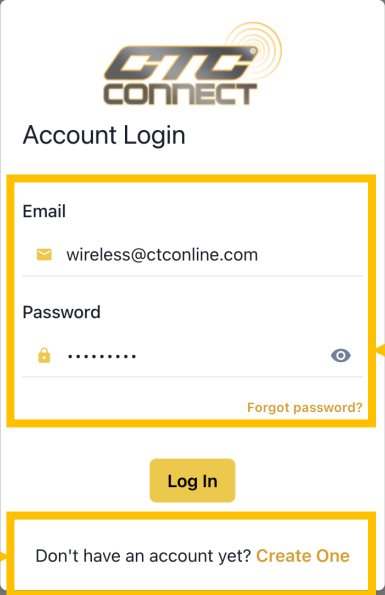


*Gateway must be powered on
to load web app*



Logging In

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



The image shows a screenshot of the CTC Connect Account Login page. The page has a white background with a grey border. At the top is the CTC Connect logo, which consists of the letters 'CTC' in a stylized font with a signal icon, followed by the word 'CONNECT'. Below the logo is the text 'Account Login'. There are two input fields: 'Email' and 'Password'. The 'Email' field contains the text 'wireless@ctconline.com'. The 'Password' field contains a series of dots. To the right of the password field is an eye icon. Below the password field is a link that says 'Forgot password?'. Below the input fields is a yellow button that says 'Log In'. At the bottom of the form is a link that says 'Don't have an account yet? Create One'. A yellow box highlights the 'Email' and 'Password' fields. Another yellow box highlights the 'Create One' link. A yellow arrow points from the 'Create One' link to the text box on the left. A yellow arrow points from the 'Log In' button to the text box on the right.

CTC
CONNECT

Account Login

Email

✉ wireless@ctconline.com

Password

🔒 👁

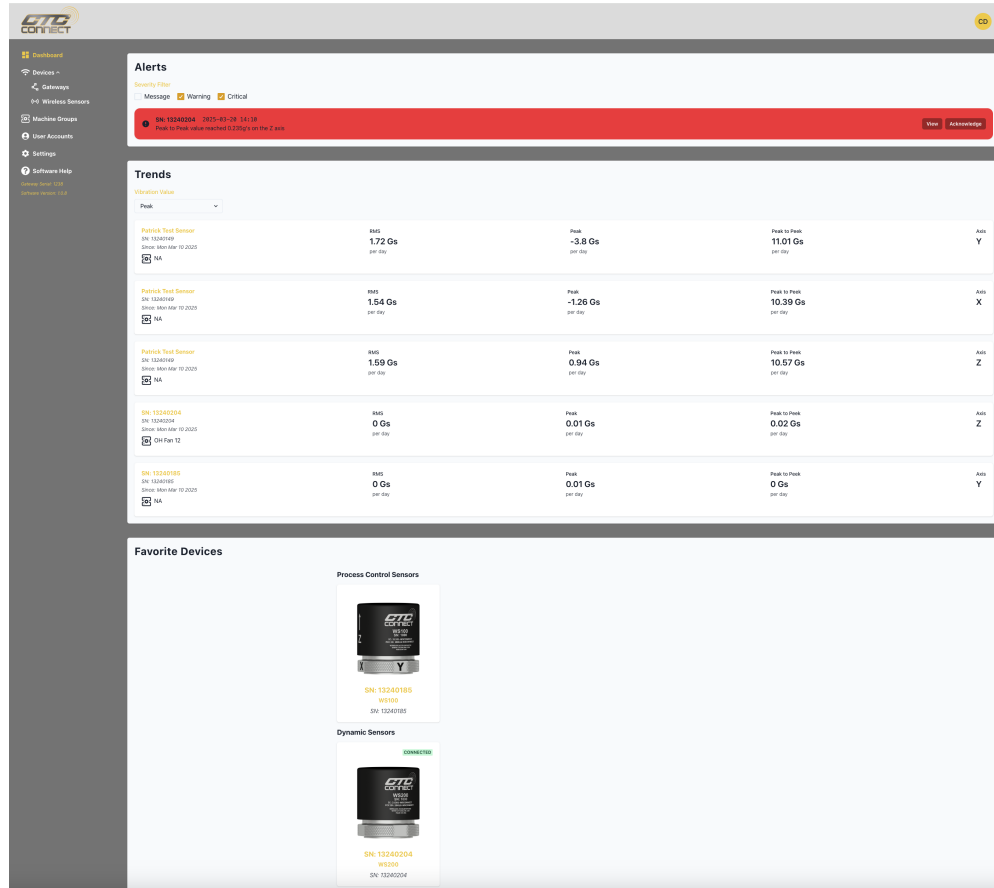
[Forgot password?](#)

[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

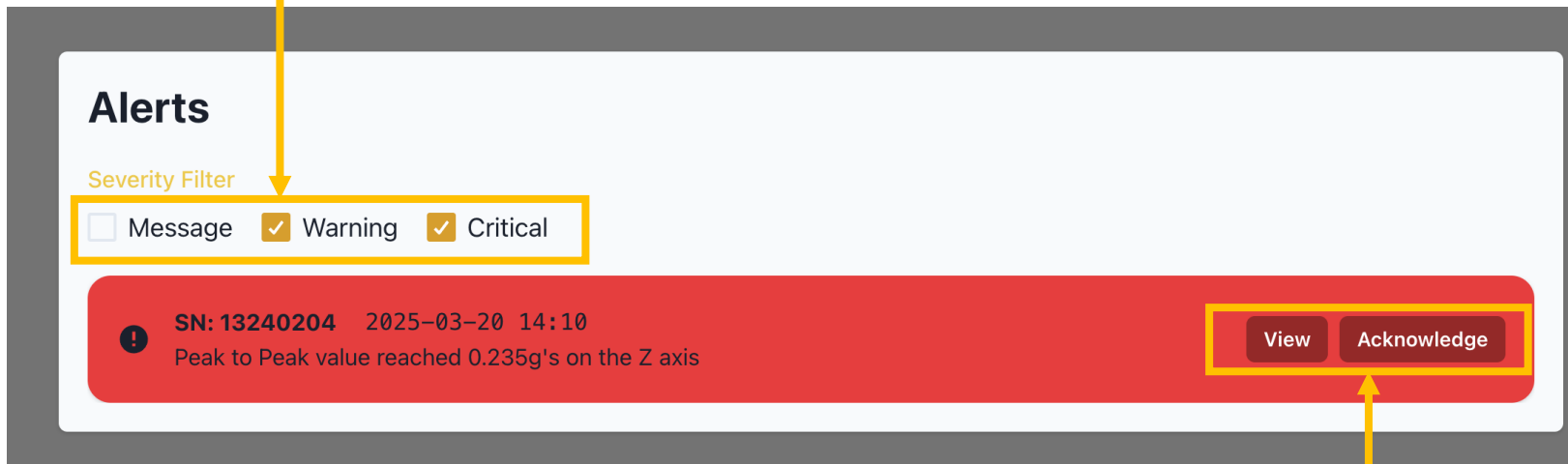


Favorite Devices



Alerts

Use the check boxes to select what alerts to display



The screenshot shows a web interface for managing alerts. At the top left, the word "Alerts" is displayed in bold. Below it, a "Severity Filter" section contains three checkboxes: "Message" (unchecked), "Warning" (checked), and "Critical" (checked). A yellow box highlights these checkboxes, with a yellow arrow pointing from the instruction "Use the check boxes to select what alerts to display" above. Below the filter, a red alert card is shown. It contains an exclamation mark icon, the text "SN: 13240204 2025-03-20 14:10", and the description "Peak to Peak value reached 0.235g's on the Z axis". To the right of the alert card, there are two buttons: "View" and "Acknowledge". A yellow box highlights these buttons, with a yellow arrow pointing from the instruction "Use the buttons to view or acknowledge the alert" below.

Alerts

Severity Filter

☐ Message ☒ Warning ☒ Critical

SN: 13240204 2025-03-20 14:10
Peak to Peak value reached 0.235g's on the Z axis

View 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				
<div>Patrick Test Sensor SN: 13240149 Since: Mon Mar 10 2025 NA</div>	✓ Peak			
	RMS			
	Peak to Peak			
	RMS	Peak	Peak to Peak	Axis
	1.72 Gs per day	-3.8 Gs per day	11.01 Gs per day	Y
<div>Patrick Test Sensor SN: 13240149 Since: Mon Mar 10 2025 NA</div>	RMS	Peak	Peak to Peak	Axis
	1.54 Gs per day	-1.26 Gs per day	10.39 Gs per day	X
	RMS	Peak	Peak to Peak	Axis
	1.59 Gs per day	0.94 Gs per day	10.57 Gs per day	Z
	RMS	Peak	Peak to Peak	Axis
<div>SN: 13240204 SN: 13240204 Since: Mon Mar 10 2025 OH Fan 12</div>	0 Gs per day	0.01 Gs per day	0.02 Gs per day	Z
	RMS	Peak	Peak to Peak	Axis
	0 Gs per day	0.01 Gs per day	0 Gs per day	Y
	RMS	Peak	Peak to Peak	Axis
	0 Gs per day	0.01 Gs per day	0 Gs per day	Y

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

The screenshot displays the CTC Connect web interface. On the left is a sidebar menu with options: Dashboard, Devices (selected), Gateways, Machine Groups, User Accounts, Settings, and Software Help. The main content area is divided into two sections. The top section, titled 'Process Control Sensors', contains a grid of 10 sensor cards. Each card shows a sensor image, its model (WS100 or WS102), and its serial number (SN). The bottom section, titled 'Dynamic Sensors', contains a grid of 3 sensor cards. Above this grid are three status labels: 'DISCONNECTED', 'DISCONNECTED', and 'CONNECTED'. A yellow arrow points from the 'CONNECTED' label to the third sensor card in the Dynamic Sensors section. The CTC logo is in the top left corner of the interface, and a 'CD' icon is in the top right.

Process Control Sensors				
SN: 13240185 WS100 SN: 13240185	SN: 44240408 WS100 SN: 44240408	SN: 44240435 WS100 SN: 44240435	SN: 44240434 WS100 SN: 44240434	SN: 44240436 WS100 SN: 44240436
SN: 44240424 WS100 SN: 44240424	SN: 44240494 WS100 SN: 44240494	SN: 44240402 WS100 SN: 44240402	SN: 44240482 WS100 SN: 44240482	SN: 44240441 WS100 SN: 44240441

Dynamic Sensors		
WS300-GW#9999990 WS300 SN: 13240079	Patrick Test Sensor WS300 SN: 13240149	SN: 13240204 WS200 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 displays the 'Process Control 13240185' sensor page. At the top left is a 'Back to Wireless Sensors' link. Below it is a sensor icon and a box containing the title 'Process Control 13240185' and metadata: 'Serial: 13240185', 'Part: WS100', 'Firmware: 5.5.5.C D', and 'Gateway: 999990'. Below this is a battery status indicator showing '85%' and 'Last Check In: 3/19/2025, 10:13:00 AM'. A row of three icons (star, pencil, trash) is located below the battery status. Below this row are two alert setting cards: 'Critical Alert Setting' and 'Early Alert Setting', both showing 'Not set'. Each card has a three-dot menu icon in its top right corner. To the right of these are three more cards: 'Reading Interval' (12 Hours), 'Machine' (Not set), 'Dynamic Range' (+/- 32g), 'Operation Mode' (Acceleration), and 'Frequency Range' (10Hz - 1kHz). Yellow arrows from the text boxes on the left point to the three-dot menu icon, the sensor icon, and the 'Critical Alert Setting' card.

← Back to Wireless Sensors

Process Control 13240185

Serial: 13240185 Part: WS100 Firmware: 5.5.5.C D Gateway: 999990

85% Last Check In: 3/19/2025, 10:13:00 AM

★ ✎ 🗑

ⓘ Critical Alert Setting Not set ⓘ

ⓘ Early Alert Setting Not set ⓘ

📶 Dynamic Range +/- 32g

📶 Operation Mode Acceleration

🕒 Reading Interval 12 Hours

🏭 Machine Not set

📶 Frequency Range 10Hz - 1kHz

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

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

03/19/2025

9:13:00 AM

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

Calculate trend over a specified period

Trending

Start Date

End Date

Unit

Axis

Peak

Z

Calculate

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 displays the sensor configuration page for a CTC Connect WS200 sensor. The interface includes a header with a back arrow and the text 'Back to Wireless Sensors'. Below this is a sensor card showing the model 'WS200', serial number 'SN: 13240204', and a 'CONNECTED' status. A battery level indicator shows '100%'. Below the card are icons for favorite, edit, disconnect, and remove. The main area contains six configurable settings, 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

Annotations with yellow arrows point from the text boxes to specific UI elements: 'View basic sensor info' points to the sensor card; 'Set as favorite, edit name, disconnect, or remove sensor' points to the action icons; 'User-configurable specifications – click on the three dots in the corner to configure' points to the three-dot menu of the 'Critical Alert Setting'; and 'Take reading on demand' points to the 'Take Reading' button.

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

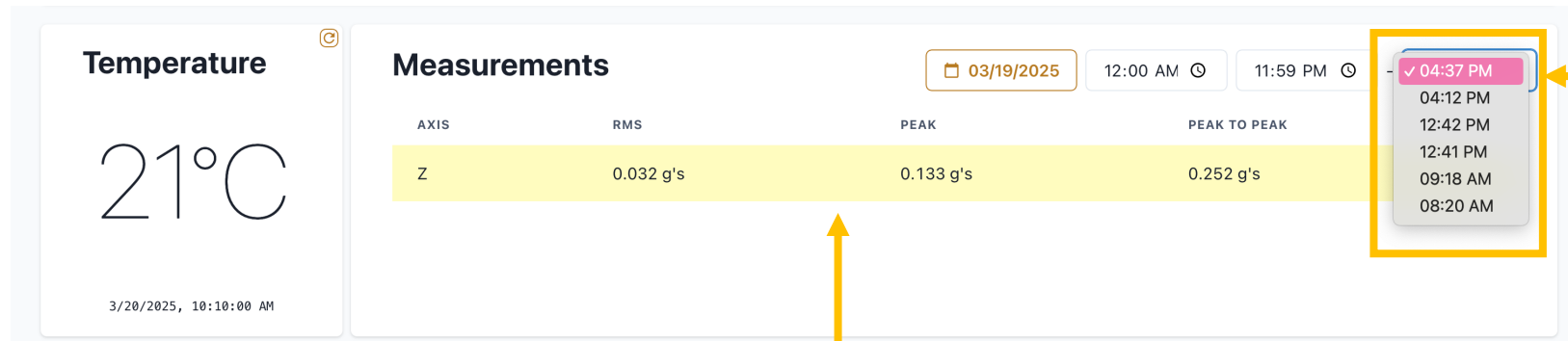
12:00 AM

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 period of the selected day

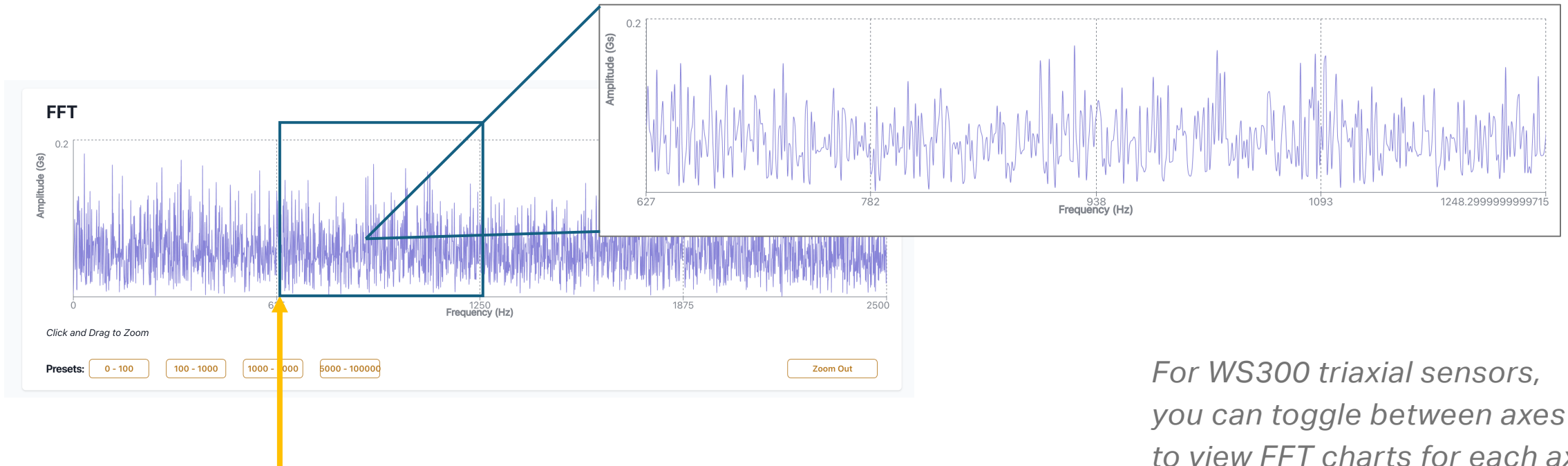
WS200/WS300 Sensor Page



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.

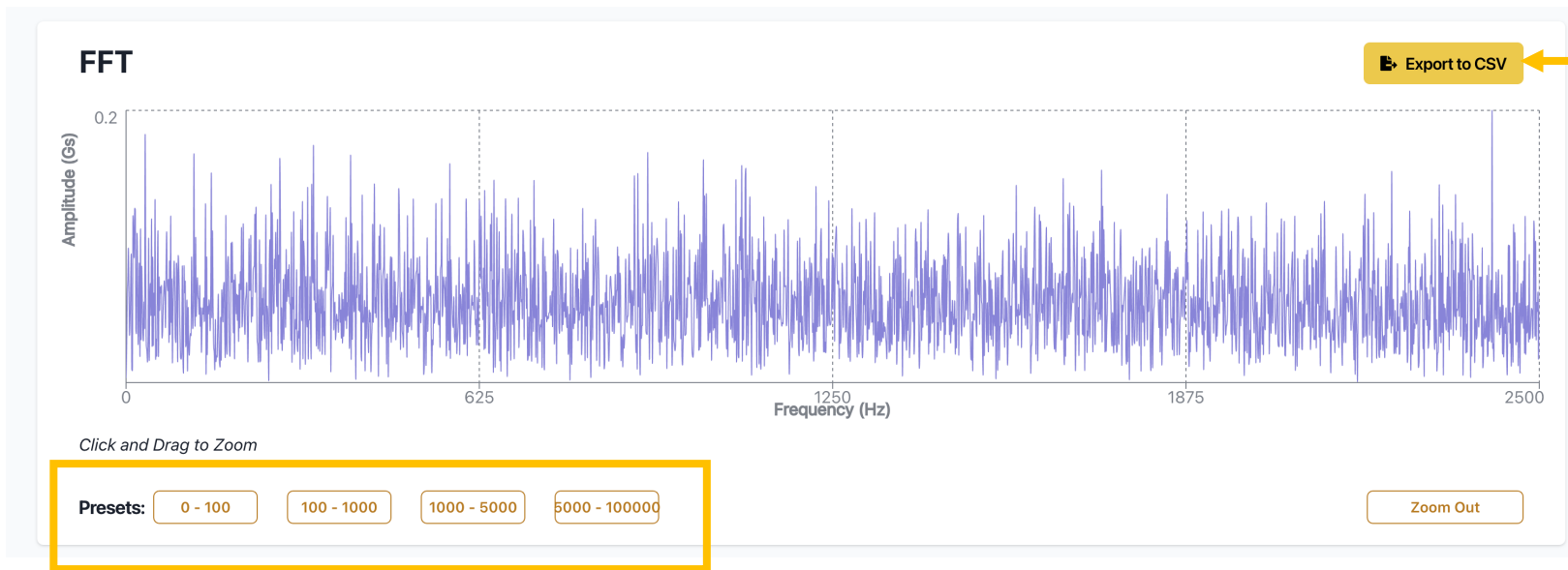
WS200/WS300 Sensor Page



The FFT 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 FFT charts for each axis

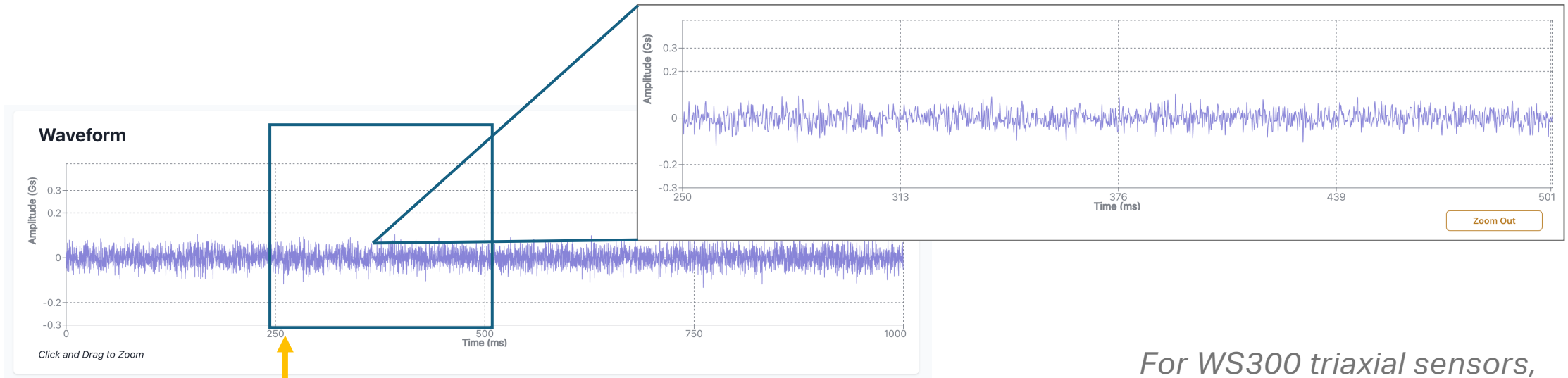
WS200/WS300 Sensor Page



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

Select from preset zoom levels for popular bands

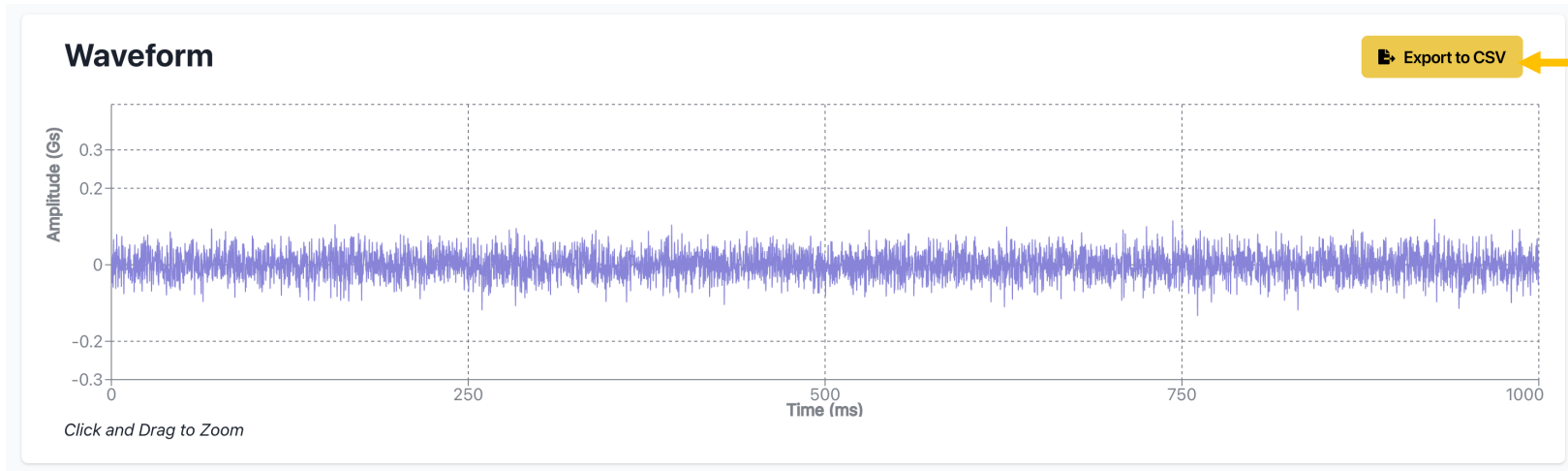
WS200/WS300 Sensor Page



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 Export to CSV button to download your Waveform data.

Devices - Gateway

View all your gateways at a glance



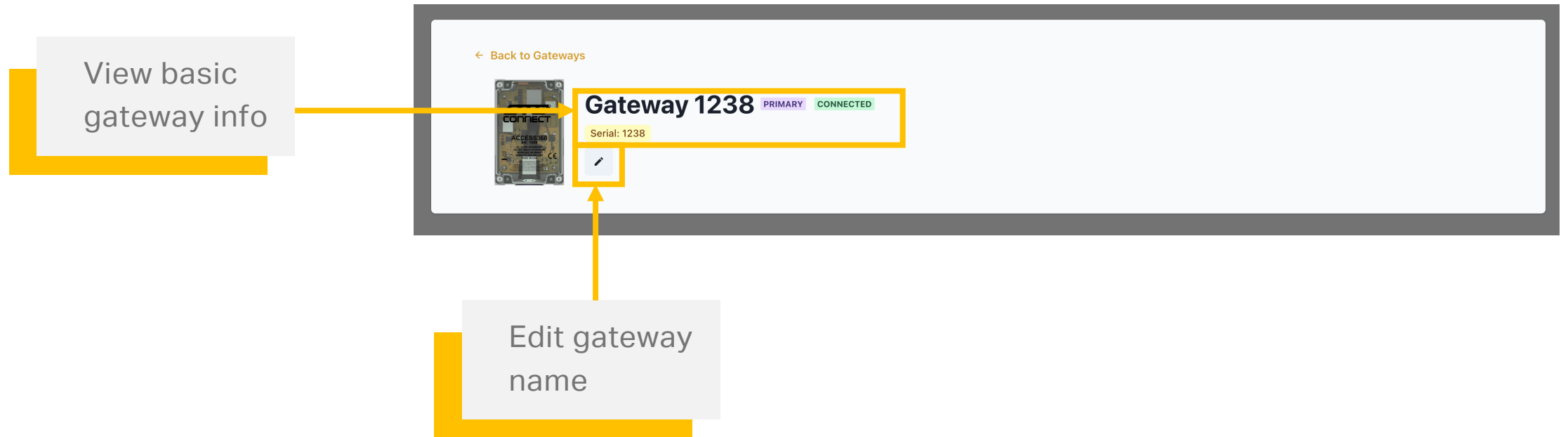
Primary gateway will be labeled

Gateways will be labeled connected or disconnected

Click on any gateway to view its page



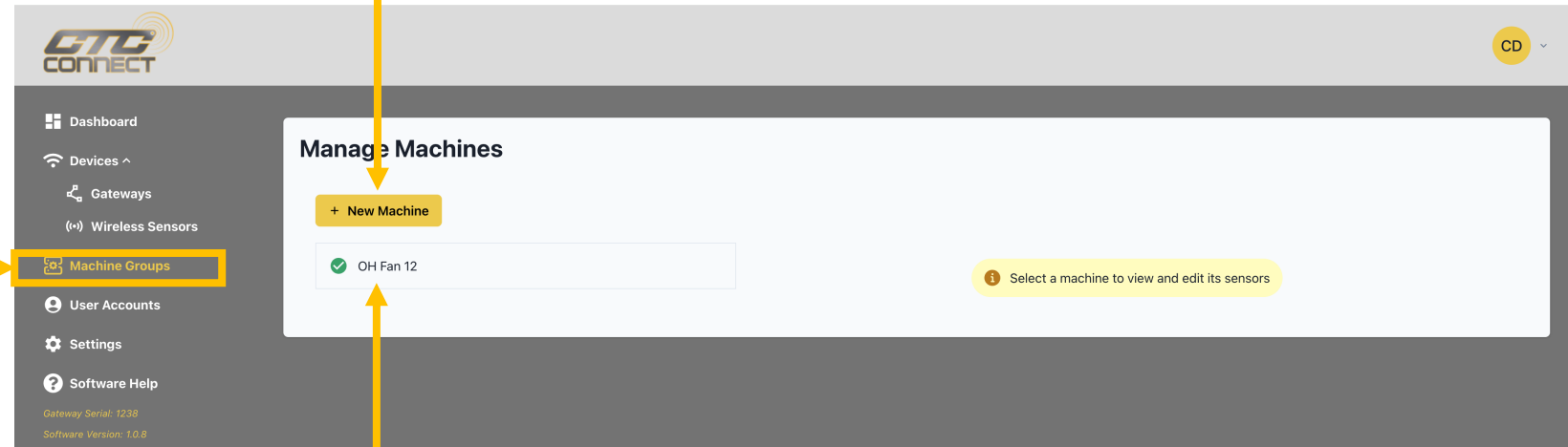
Gateway Page



Machine Groups

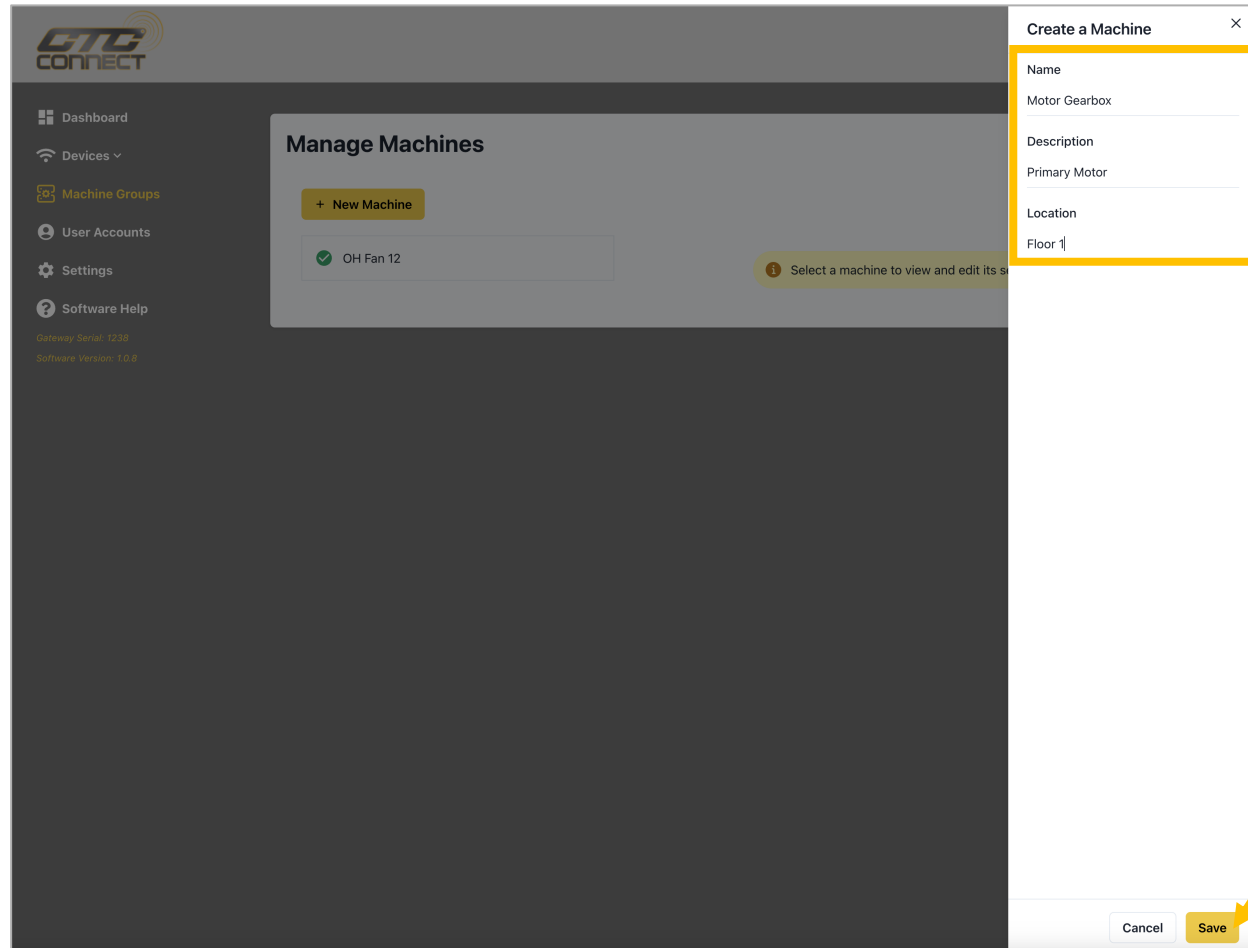
Click New Machine to create a machine group

View and
create
machine
groups



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 sidebar with navigation links: Dashboard, Devices, Machine Groups (highlighted), User Accounts, Settings, and Software Help. The main area is titled 'Manage Machines' and contains a '+ New Machine' button and a list of machines, currently showing 'OH Fan 12'. A modal window titled 'Create a Machine' is open on the right. It has a yellow border and contains the following fields: Name, Motor Gearbox, Description, Primary Motor, Location, and Floor 1. At the bottom of the modal are 'Cancel' and 'Save' buttons. A yellow arrow points from the 'Save' button to a text box on the right.

CTC CONNECT

Dashboard

Devices

Machine Groups

User Accounts

Settings

Software Help

Gateway Serial: 1234

Software Version: 1.0.0

Manage Machines

+ New Machine

OH Fan 12

Select a machine to view and edit its settings

Create a Machine

Name

Motor Gearbox

Description

Primary Motor

Location

Floor 1

Cancel Save

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 shows a 'Manage Machines' interface. On the left, there is a list of machine groups, with 'OH Fan 12' selected and highlighted by a yellow box. Above this list is a '+ New Machine' button. On the right, the details for the 'OH Fan 12' machine group are displayed. This includes the machine name 'OH Fan 12', a description '15hp motor - 5 vane fan', and a location 'B3F1G4'. Below this, there is a list of sensors assigned to the machine group. The first sensor is 'WS300-GW#999990' with a 'NO ALERTS' status. The second sensor is 'SN: 13240204' also with a 'NO ALERTS' status. Below the sensor list, there are two threshold values: 'Early Alert Threshold 1 Gs' and 'Critical Alert Threshold 0.1 Gs'. At the bottom right of the sensor list, there are 'View' and 'Remove' buttons. A yellow box highlights the sensor list area. In the top right corner of the machine group details, there is a yellow '+' button and a trash icon.

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

CTC CONNECT CD

- Dashboard
- Devices ▾
- Machine Groups
- User Accounts**
- Settings
- Software Help

Gateway Serial: 1238
Software Version: 1.0.8

Manage 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

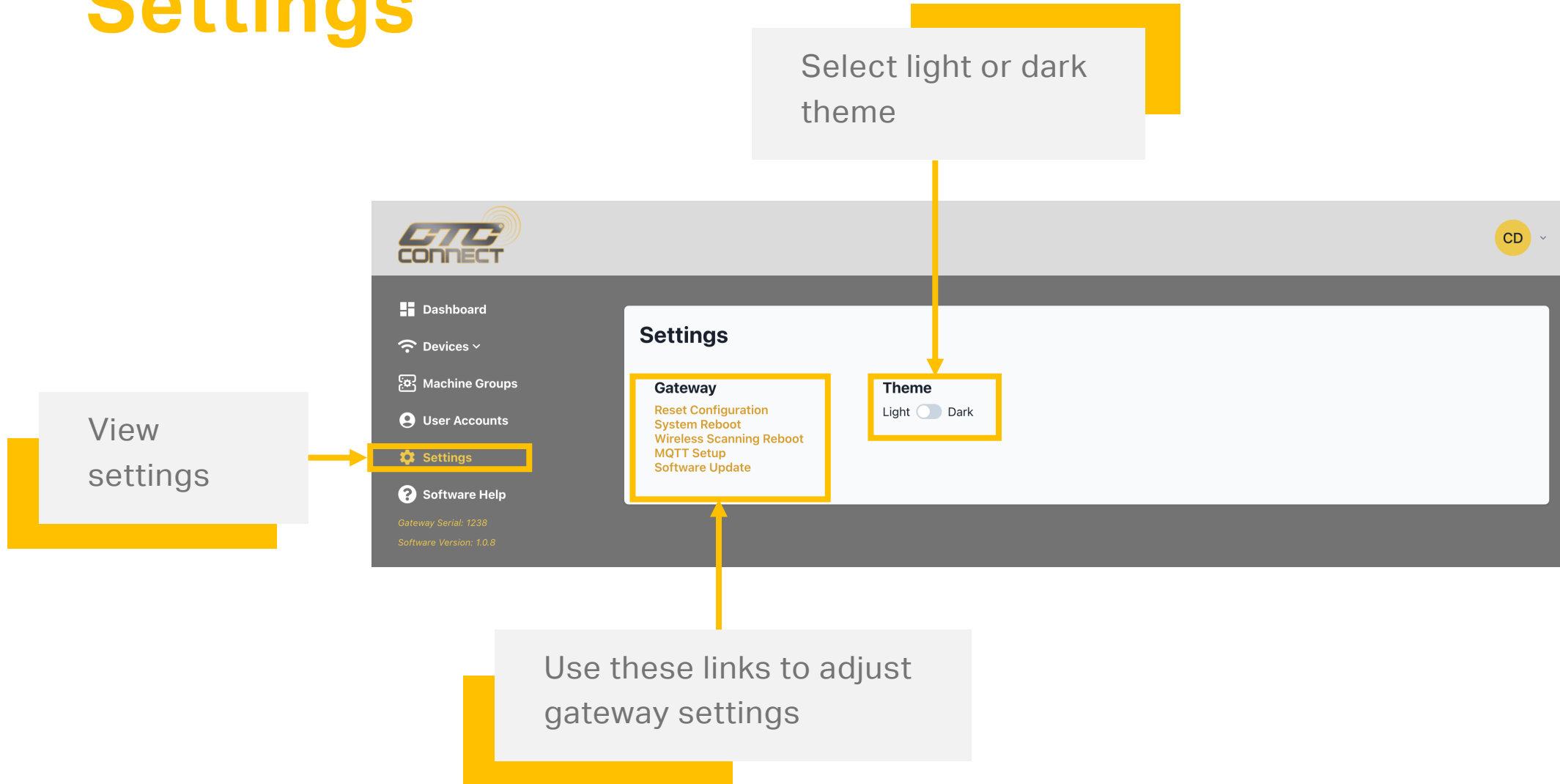
The screenshot shows the CTC Connect web interface. On the left is a sidebar with navigation links: Dashboard, Devices, Machine Groups, User Accounts (highlighted), Settings, and Software Help. Below these links are system details: Gateway Serial: 1238 and Software Version: 1.0.8. The main area is titled 'Manage User Accounts' and contains a table of users. An 'Edit Contact' modal is open over the first user, 'Jon Smith'. The modal has fields for First Name (Jon), Last Name (Smith), Alert Emails (Message, Warning, Critical), and Role (Viewer, Analyst, Admin). A 'Save' button is at the bottom of the modal. The background table shows the following data:

Name	Alerts	Actions
Jon Smith		
Jay White		
Jack Jones		
Jim Miller		

The modal 'Edit Contact' contains the following fields:

- First Name: Jon
- Last Name: Smith
- Alert Emails: ☐ Message ☐ Warning ☐ Critical
- Role: ☐ Viewer ☐ Analyst ☒ Admin
- Save button

Settings



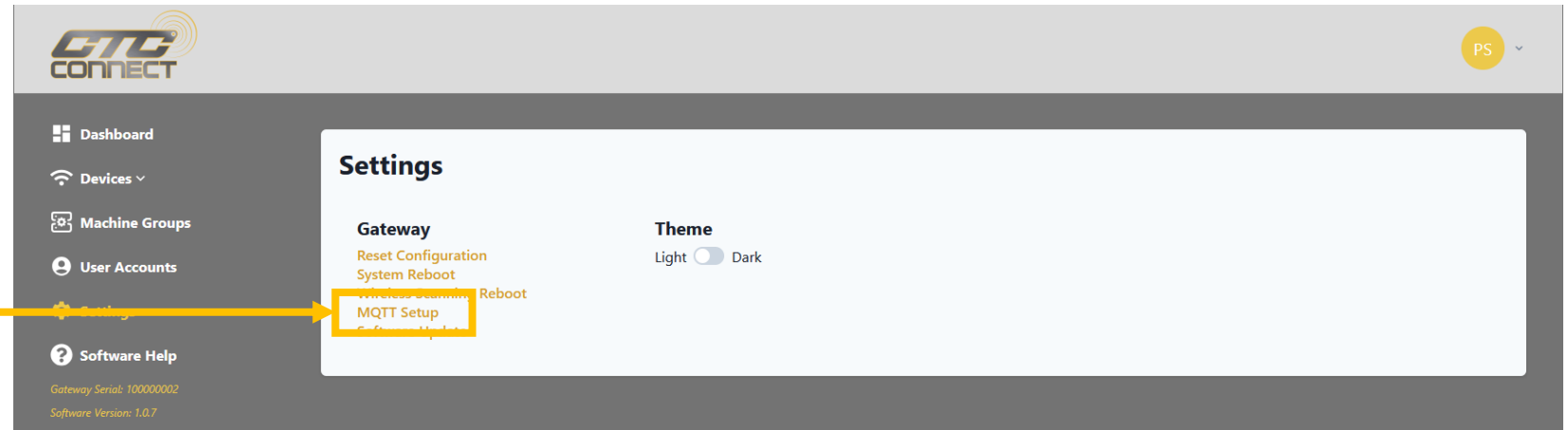
MQTT IoT Protocol

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

CTC CONNECT

PS

Dashboard

Devices

Machine Groups

User Accounts

Settings

Software Help

Gateway Serial: 100000002

Software Version: 1.0.7

Back to Settings

Connect

Broker URL * Port * Encrypted

Client ID

Topic Root EX: testroot/access360/dyn/get

Username Password

Keep Alive

Clean Start ☐

CA Certificate File

Client Certificate File *

Client Key File *

Key File Password

Then click
Connect

Connect with CTC

We look forward to hearing from you



www.ctconline.com



sales@ctconline.com



(585) 924-5900



Connection Technology Center