

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

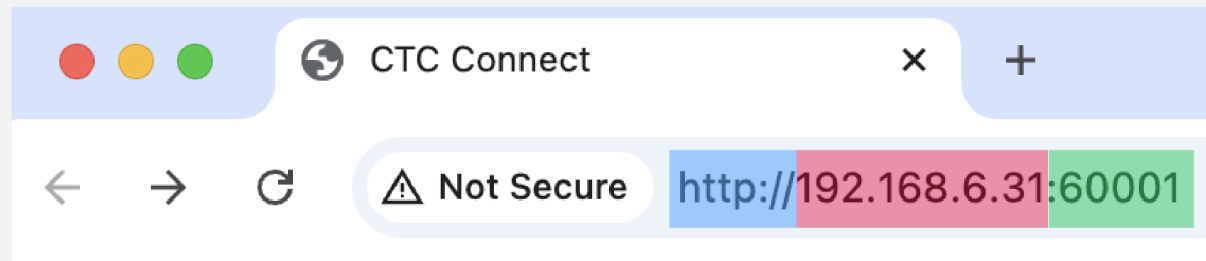
You can access the ConnectView™ Web App on any device, using any web browser.

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 screenshot displays the CTC Connect dashboard interface. On the left is a navigation sidebar with options: Dashboard, Devices, Gateways, Wireless Sensors, Machine Groups, User Accounts, Settings, and Software Help. The main content area is divided into three sections:

- Alerts:** A red banner at the top shows a critical alert for SN 12342004 dated 2023-01-28 11:18, with a 'View' and 'Acknowledge' button.
- Trends:** A table showing performance metrics for various sensors. The table has columns for 'Peak' and 'Peak to Peak' values in Gs, along with a status indicator (Y, X, Z).
- Favorite Devices:** A section titled 'Process Control Sensors' and 'Dynamic Sensors' showing images of sensors with their respective SN numbers (SN: 123420183 and SN: 123420204).

Device	Peak	Peak to Peak	Status
Public Test Sensor SN: 123420183 Since: Mon Mar 19 2023 NA	1.72 Gs per day	+3.8 Gs per day	Peak to Peak 11.01 Gs per day Alert Y
Public Test Sensor SN: 123420184 Since: Mon Mar 19 2023 NA	1.54 Gs per day	-1.26 Gs per day	Peak to Peak 10.39 Gs per day Alert X
Public Test Sensor SN: 123420185 Since: Mon Mar 19 2023 NA	1.59 Gs per day	0.94 Gs per day	Peak to Peak 10.57 Gs per day Alert Z
SN: 123420204 SN: 123420204 Since: Mon Mar 19 2023 SN Fan 12	0 Gs per day	0.01 Gs per day	Peak to Peak 0.02 Gs per day Alert Z
SN: 123420185 SN: 123420185 Since: Mon Mar 19 2023 NA	0 Gs per day	0.01 Gs per day	Peak to Peak 0 Gs per day Alert Y

The dashboard shows



Alerts



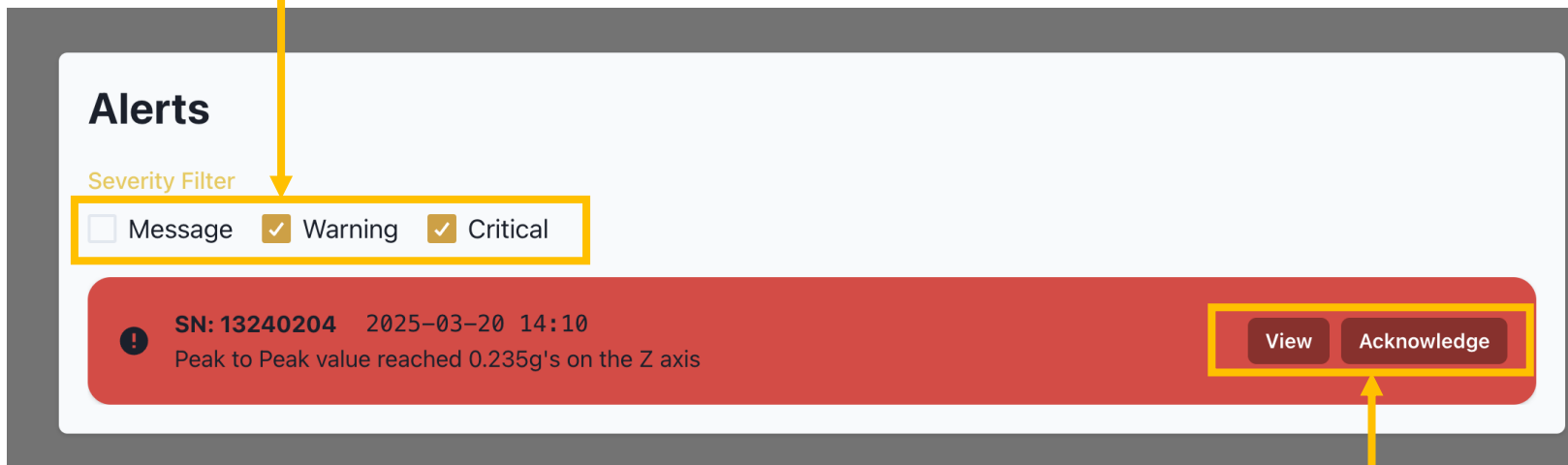
Trends



Favorite Devices

Alerts

Use the check boxes to select what alerts to display



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

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	1.72 Gs per day	-3.8 Gs per day	11.01 Gs per day	Y
Patrick Test Sensor SN: 13240149 Since: Mon Mar 10 2025 NA	1.54 Gs per day	-1.26 Gs per day	10.39 Gs per day	X
Patrick Test Sensor SN: 13240149 Since: Mon Mar 10 2025 NA	1.59 Gs per day	0.94 Gs per day	10.57 Gs per day	Z
SN: 13240204 SN: 13240204 Since: Mon Mar 10 2025 OH Fan 12	0 Gs per day	0.01 Gs per day	0.02 Gs per day	Z
SN: 13240185 SN: 13240185 Since: Mon Mar 10 2025 NA	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

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 yellow boxes containing sensor details: "Serial: 13240185", "Part: WS100", "Firmware: 5.5.5.C.D", and "Gateway: 999990". Below these is a green battery icon showing "85%" and the text "Last Check In: 3/19/2025, 10:13:00 AM". There is a star icon, an edit icon, and a delete icon. Below this are two alert setting cards: "Critical Alert Setting" and "Early Alert Setting", both showing "Not set" and a three-dot menu icon. To the right are "Reading Interval" (12 Hours) and "Machine" (Not set). Below these are "Dynamic Range" (+/- 32g), "Operation Mode" (Acceleration), and "Frequency Range" (10Hz - 1kHz). A yellow box highlights the star, edit, and delete icons, and another yellow box highlights the three-dot menu icons on the alert setting cards. Arrows point from the callout boxes to these elements.

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

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 (settings), 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

At the bottom right of the page, there is a '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 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

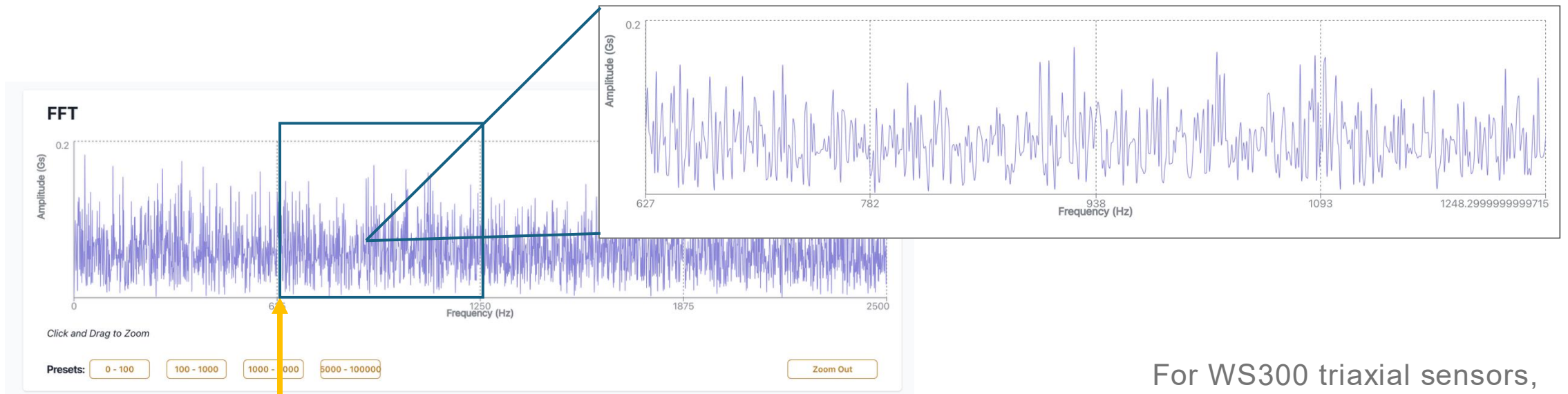
AXIS	RMS	PEAK	PEAK TO PEAK
Z	0.032 g's	0.133 g's	0.252 g's

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

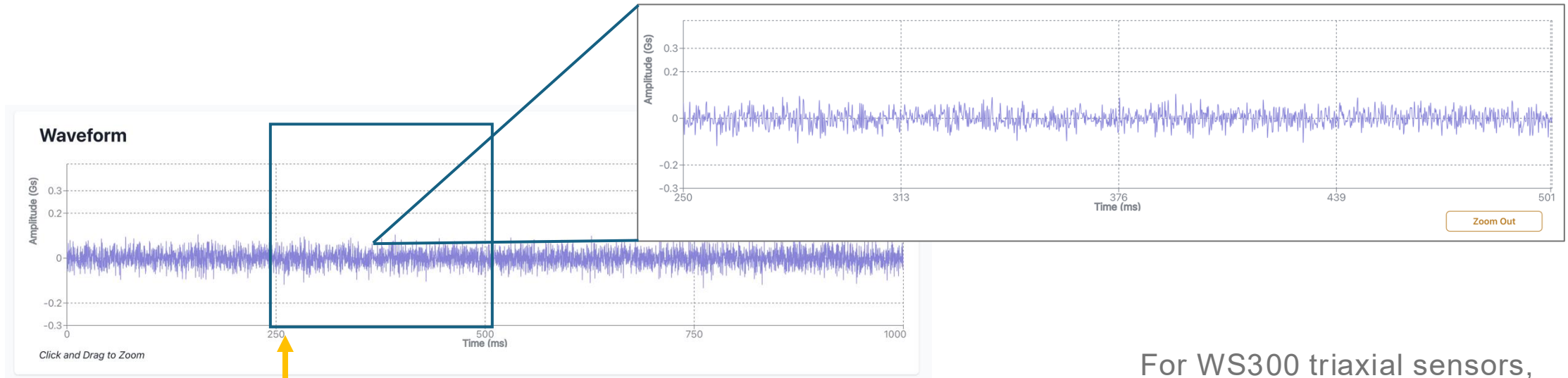


Use the dropdown to toggle between acceleration (g or m/s^2) and velocity (in/s or mm/s)

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

Select from preset zoom levels for popular bands

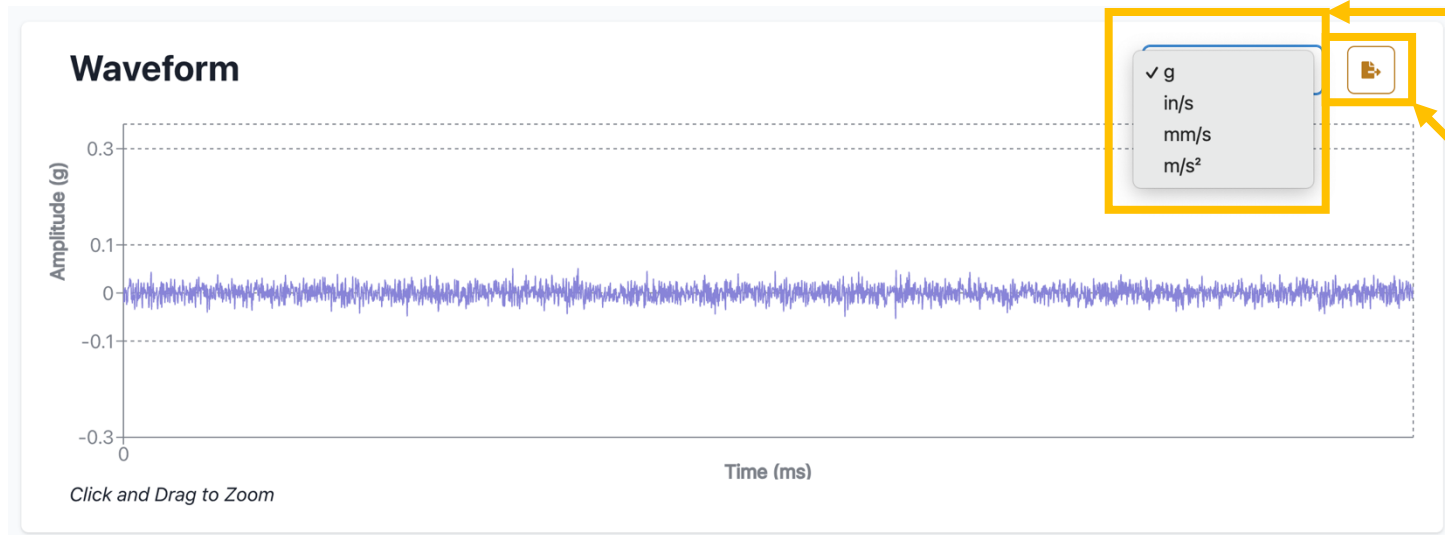
WS200/WS300 Sensor Page



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/s²) 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

Primary gateway will be labeled

Gateways will be labeled connected or disconnected

Dashboard

Devices ^

Gateways

Wireless Sensors

Machine Groups

User Accounts

Settings

Software Help

Gateway Serial: 1238

Software Version: 1.0.8

CD

Gateways

DISCONNECTED

PRIMARY

CONNECTED

SN: 999990

SN: 1238

SN: 999990

SN: 1238

Click on any gateway to view its page

Gateway Page

View basic gateway info

Edit gateway name

The screenshot displays the CTC Connect web interface for a specific gateway. The left sidebar contains navigation options: Dashboard, Devices, Gateways, Wireless sensors, Machine Groups, User Accounts, and Settings. The main content area is titled "Gateway 10000002" and includes a "Back to Gateways" link. A yellow box highlights the gateway's name, status (PRIMARY CONNECTED), serial number (100000002), and SD card usage (0.55% of 32GB). Below this is a "Radio Controller Status" section with a capacity of 12 and a last update time of Mar 31, 02:15 PM. It lists two controllers: Controller 1 (Status: SCANNING, Connected: 0/12) and Controller 2 (Status: NOT SCANNING, Connected: 0/12). To the right is a "Whitelist / Blacklist" section with two input fields: "WHITELIST" (containing "No whitelisted sensors") and "BLACKLIST" (containing "No blacklisted sensors").

Gateway Page

The screenshot displays the CTC Connect interface for a specific gateway. The left sidebar contains navigation options: Dashboard, Devices (with sub-items Gateways, Wireless Sensors), Machine Groups, User Accounts, and Settings. The main content area shows the gateway's name 'Gateway 10000002' with status indicators 'PRIMARY' and 'CONNECTED'. Below this is the 'Radio Controller Status' section, which includes a 'Capacity: 12' field with an edit icon, a 'Last update' timestamp, and a table for two controllers. The 'Whitelist / Blacklist' section contains two empty input fields for sensor lists.

Controller 1	Controller 2
Status: SCANNING	Status: NOT SCANNING
Connected: 0/12	Connected: 0/12

View and edit the capacity of the radio controllers

View the current status of each controller and how many sensors are connected to each controller.

Gateway Page

Gateway 100000002 PRIMARY CONNECTED
Serial Number: 100000002
SD Card 0.55% of 32GB

Radio Controller Status
Capacity: 12 ✓
Last update: Mar 31, 02:15 PM

Controller 1
Status: SCANNING
Connected: 0/12

Controller 2
Status: NOT SCANNING
Connected: 0/12

Whitelist / Blacklist

WHITELIST	BLACKLIST
No whitelisted sensors	No blacklisted sensors

Add or remove whitelisted or blacklisted sensors

View what sensors are currently whitelisted and blacklisted

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 the following items: Dashboard, Devices ^, Gateways, Wireless Sensors, Machine Groups (highlighted with a yellow box), User Accounts, Settings, and Software Help. At the bottom of the menu, it shows 'Gateway Serial: 1238' and 'Software Version: 1.0.8'. The main content area is titled 'Manage Machines' and contains a '+ New Machine' button, a list item 'OH Fan 12' with a green checkmark, and an information box that says 'Select a machine to view and edit its sensors'.

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, Location, and 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, a detailed view of the 'OH Fan 12' machine is shown. This view includes the machine name 'OH Fan 12', a description '15hp motor - 5 vane fan', and a location 'B3F1G4'. Below this, a list of sensors is displayed. 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 alert thresholds: '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 detail view, there are two buttons: 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

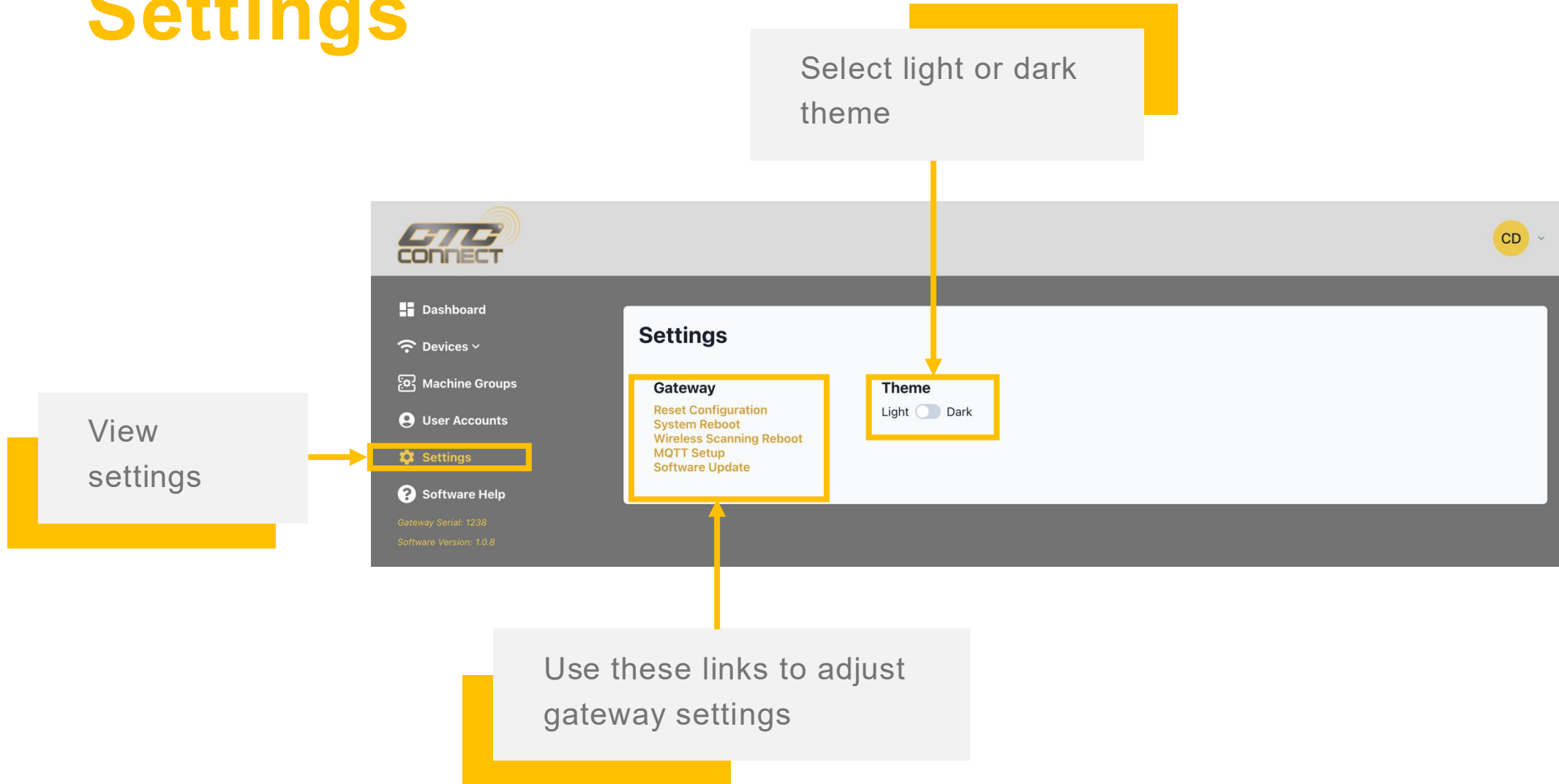
The screenshot shows the GTC Connect web interface. On the left is a navigation sidebar with options: Dashboard, Devices, Machine Groups, User Accounts (highlighted), Settings, and Software Help. The main content area is titled 'Manage User Accounts' and contains a table of users. An 'Edit Contact' modal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

- First Name:** Jon
- Last Name:** Smith
- Alert Emails:** Message Warning Critical
- Role:** Viewer Analyst Admin

A yellow arrow points from the text box on the left to the 'Edit Contact' modal. The background table shows the following data:

Name	Alerts	Actions
Jon Smith		
Jay White	Warning, Critical	
Jack Jones	Warning, Critical	
Jim Miller	Warning, Critical, Message	

Settings



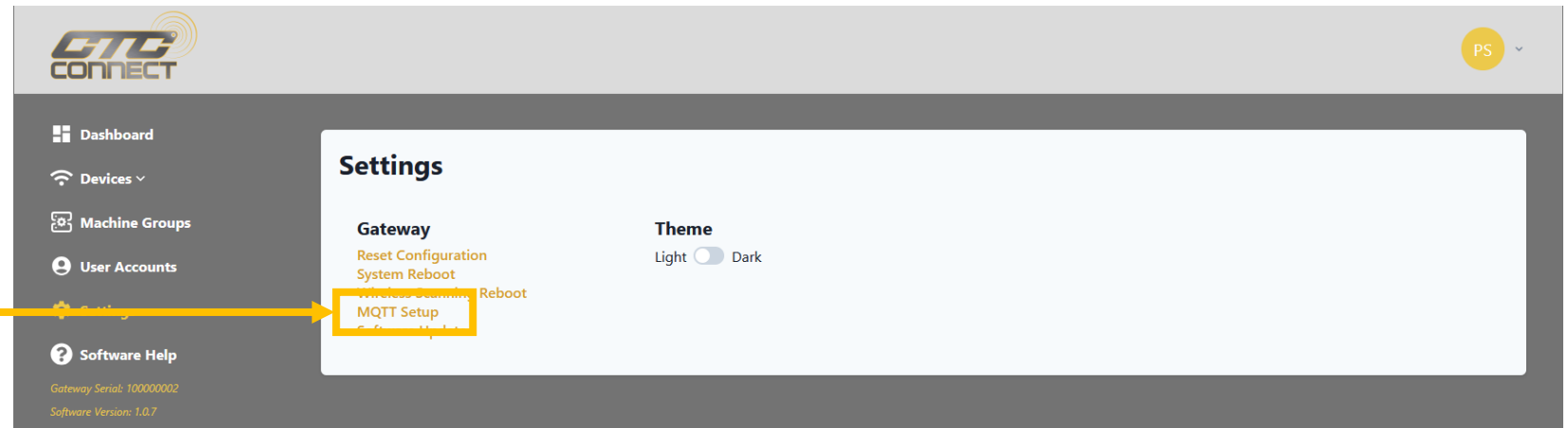
MQTT IoT Protocol

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:** A dropdown menu set to 'mqtt://' and a text input field containing 'mqtt-ctctesting.eastus-1.ts.eventgrid.azure.net'.
- Port:** A text input field containing '8883'.
- Encrypted:** A dropdown menu set to 'Encrypted'.
- Client ID:** A text input field containing 'client1'.
- Topic Root:** A text input field containing 'testroot' and a preview field showing 'EX: testroot/access360/dyn/get'.
- Username:** A text input field containing 'client1-authn-ID'.
- Password:** A password input field with a masked password '.....' and a visibility toggle.
- Keep Alive:** A text input field containing '60'.
- Clean Start:** A toggle switch currently turned off.
- CA Certificate File:** A 'Select File' button.
- Client Certificate File:** A 'Select New File' button and a 'Clear Selection' button, with the selected file name 'client1-authn-ID.pem' displayed.
- Client Key File:** A 'Select New File' button and a 'Clear Selection' button, with the selected file name 'client1-authn-ID.key' displayed.
- Key File Password:** A text input field with a visibility toggle.

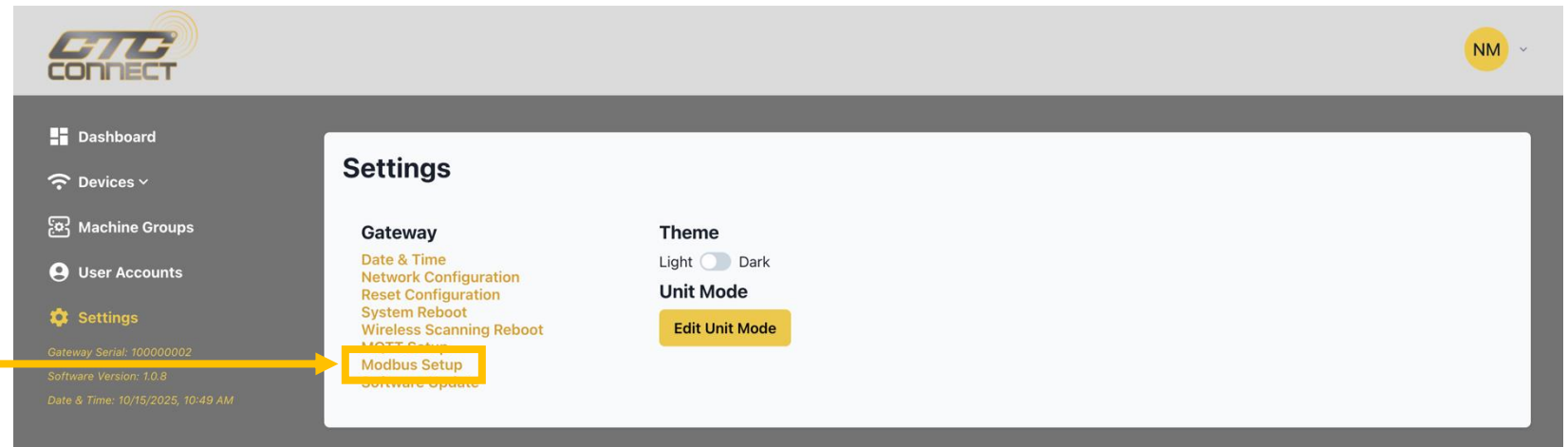
A yellow box highlights the 'Connect' button at the top right of the settings form. A yellow arrow points from the 'Enter your Broker information' text box to the settings form, and another yellow arrow points from the 'Then click Connect' text box to the 'Connect' button.

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. On the left is a navigation menu with options: Dashboard, Devices, Machine Groups, User Accounts, and Settings. The main content area is titled 'Configuration' and includes a 'Save Changes' button. It features several input fields: a toggle switch, an IP address field (192.168.4.0), 'Max Clients' (10), 'Connected Clients' (0/10), 'Port' (502), and 'Connection Timeout' (5000). Below this is an 'Allowed IP Ranges' section with 'START' and 'END' input fields. A 'Slots' section at the bottom states 'No slots configured. Add a new Modbus Slot and link it to a sensor to begin writing sensor data to Modbus addresses.' Two 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 on either side 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



Need Additional Technical Support?

Need additional technical support for issues or questions about the Connect Wireless ecosystem?

Scan the QR code or use the hyperlink to access our convenient web form to submit your request online at any time.

CTC's experienced support team will review your inquiry and work quickly to resolve your issues.



**Submit
Connect Wireless
Technical Support Request**

