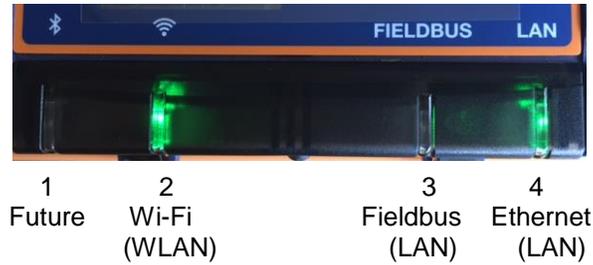


DCM510 Quick Start Guide

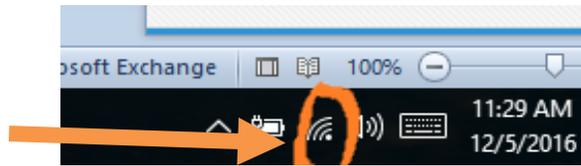


Front Panel Communication Status LEDs

The best way to use the DCM510 controller is through a browser window using a PC, tablet or smartphone.

Using a PC or Tablet:

Click on the **WiFi** icon on your desktop.



Click on the DCM5_123 choice and press the Connect button. (In this example, 123 will be the last 3 digits of the controller serial number)

Edit the WiFi name in the System pages to differentiate controllers.

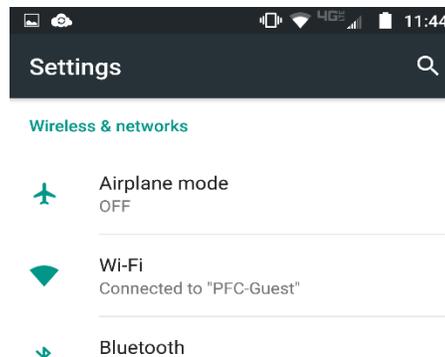
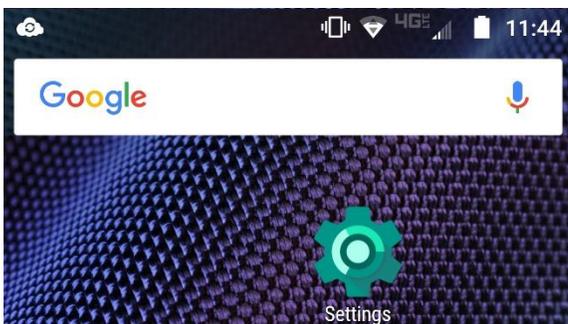
You are now on the DCM5 **WiFi** network.

Continue below with [Opening the Browser page using WiFi](#) on page 2.



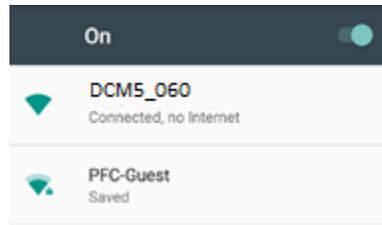
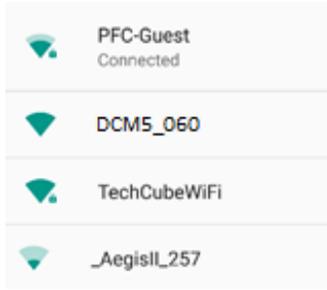
Setting up WiFi using an Android phone

From your home page, press the settings button then choose Wi-Fi.



There may be more than one controller nearby. Choose your controller by comparing the serial numbers last 3 digits with the options on the phone. Select your controller. The status should change for that choice. See example picture below; DCM5_060 is 'Connected, no Internet'.

DCM510 Quick Start Guide



Continue below with **Opening the Browser page using WiFi**

Setting up WiFi using an iPhone

To connect your iPhone to a DCM510 controller, make a **WiFi** connection;

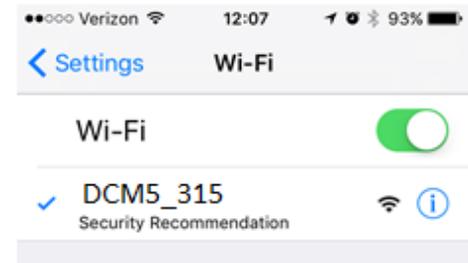
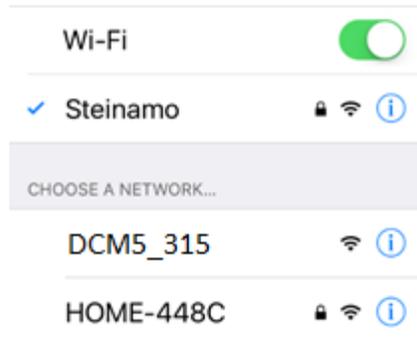
Select the Settings button from your desktop.



Select the **WiFi** button.

Choose your controller.

Note the connection status.

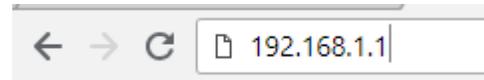


If you have more than one DCM5 choice, the number on the screen represents the last 3 digits of the DCM510 controller serial number.

Opening the Browser page using WiFi

Open any browser and enter the controller's **WiFi** IP address. (Not the LAN IP).

The default address is 192.168.1.1 and press the return key.



From the home page, logon:

Username with Default Passwords:

Operator1 = 1 Operator2 = 2 Operator3 = 3 Operator4 = 4.

Configure5 = 5 Configure6 = 6 Configure7 = 7 Administrator = AAAA

Login Page: Operators can view all controller pages. No access to most System pages.

Configure users can edit the program. No access to most System pages.

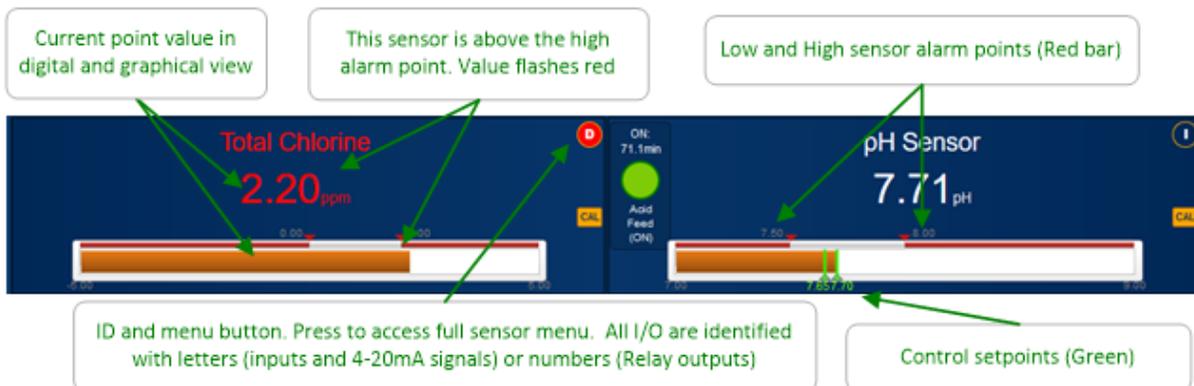
DCM510 Quick Start Guide

The Home Page.

Detailed explanation of the home page can be found in the DCM510 Browser manual. The 'See section ...' references below refer to that manual. This picture gives you an overview of the Home page. Click on any letter or number to see a menu for that I/O point. Example: click on the letter A to see the menu for the conductivity sensor. Look at the next picture at the bottom of this page for an example of two analog inputs; a chlorine sensor and a pH sensor.



Explanation of the analog sensor display.



DCM510 Quick Start Guide

Continued: Analog sensor examples.

The screenshot shows two sensor panels. The left panel displays an ORP Sensor at 715.0 mV with a 'CAL' button and a 'Hypochlorite (ClO₂)' output indicator. The right panel displays a pH Sensor at 7.70 pH with a 'CAL' button and a 'Runtime Limit' indicator. A 'Digital Outputs' table is visible on the right side of the interface.

Callouts:

- Calibrate button. Or use sensor menu
- Sensors linked to relay outputs include duplicate relay status. Green = On, Blue = Off, Red = Alarm
- Sensors linked with pulse outputs include a duplicate output icon. Shows output in %

Digital Outputs	
3	Oxidant Feed No sensor
4	Acid Feed Runtime Limit
5	Bioocide Timer No Event
6	Hypochlorite Feed@ 100.00%

Digital inputs for watermeters and status switches. (Flow switch, tank level, system status, etc. Any On/Off dry contact device).

The screenshot displays several sections of the interface:

- Contacts:** Flowswitch ON :7.78hr
- Meters:** Makeup Meter 00000000 G, Bleed Meter 00000000 G
- mA Outputs:** Chlorine out 9.75 mA, CAL 35.94%
- Power Relays:**
 - 1 Inhibitor Feed Setpoint
 - 2 Bleed Valve ON: 8.1min
 - 3 Oxidant Feed No sensor
 - 4 Acid Feed Runtime Limit
 - 5 Bioocide Timer No Event
- Digital Outputs:** 6 Hypochlorite Feed@ 100.00%

Max of 8 Digital inputs: Can be any combination of dry contact switches or digital watermeter signals from contact head or paddle wheel models.

See section 9 for 4-20mA Output configuration

Max of 5 Digital Output Relays to power pumps, solenoids and MOV valves

Digital output configuration covered in sections 2, 3 and 4.

Max of 4 Pulse frequency or On/Off relays

DCM510 Quick Start Guide

Home Page System Icons

The home page has a variety of services unrelated to the program. These services are accessed via the icons in the upper left corner of the page.



The User Manuals icon  gives you access to the two DCM510 manuals; Operating and Browser (this manual). The Operating manual explains the keypad usage, wiring and specifications. The Browser manual shows you how to connect to and program a DCM510 controller.

The System Settings icon  has the following menus: 

- System:
- Home
- Home
- Diagnostic
- Activity Log
- Communications
- E-mail Setup
- Time & Date
- Enable I/O
- System Setup
- Passwords

These menus are explained in sections **10 System Settings**.

The change display icon  allows users with dual systems to select how I/O points are displayed. See section **10.7 System Setup**

The report icon  opens the report page. See section **1.2.4 Create a Report**

Finally, the alarm icon  displays current alarms. Clear them from this menu page.

Create a Report



Recent

No recent reports

Create a report by following the steps below

Used Storage Space

1%

New

1. Choose a date range

Today

2. Choose up to four I/O's

- Sensors
- Meters
- Contacts
- Outputs

3. Download and view

Download data and create report

To create a report, select the report icon  from the main screen. Follow the three steps as shown.



-  Access the controller manuals
-  Exit from the report menu back to the Live view
-  Show/hide the report menu
-  Manage the report database
-  Show/hide the controller header
-  Show/acknowledge current alarms

DCM510 Quick Start Guide

The Keypad

The keypad offers a quick view of the status of up to 6 I/O points and a calibration key for immediate access to the sensor calibration page. Press the Menu button and scroll through the following sub-menu choices.

The Chapter reference are in sync with the DCM510 User Installation and Operation manual.

Name of menu item	Jump to chapter
[Home]	↩ Return to the default display (See below)
[Adjust Set-points]	↩ Section 10.6.1 Feed Based on a Sensor
[Prime, Force ON]	↩ Section 10.23 Prime, Force On a Relay
[Adjust Alarms]	↩ Section 9.7.3 Analog Alarm Configuration
[Events]	↩ Section 10.9 Configuring an Event-Other relay
[Water Meter Setup]	↩ Section 9.9.1 Configure a Digital Input as a Water Meter or Status Input
[Set Feed Mode]	↩ Section 10.6 Configuring a Feed Relay
[Set Backwash Mode]	↩ Section 10.7 Configuring a Backwash Relay
[I/O Setup]	↩ Section 9.1 Analog and Digital Inputs
[I/O Status]	↩ Section 10 Programming the Control Outputs Use this menu choice to monitor the I/O
[System]	↩ Section 11 System Menu