



# Connecting to W600/W900 via Direct Ethernet

# **Controller Settings**

Go to Config menu, then to Network Settings to see the controller Ethernet settings.

	Main Menu 08:0	07:45 2018-Mar-15		
	<b>n</b> Inputs	X Config		
	II Outputs	@ HOA		
	Alarms	Graphs		
	4			
1				
I	Config			
	Global Settings			
	Security Settings			
ſ	Network Settings			
	Network Details			
X				
	=			
	Config>Network	Settings		
	DHCP Setting	Disabled		
	Controller IP Add	ress 10.0.0.165		
	Network Netmask	255.255.255.0		

DHCP Setting Disabled Controller IP Address 10.0.0.165 Network Netmask 255.255.255.0 Network Gateway 10.0.0.1

In the above example, the Controller IP and Netmask Addresses are 10.0.0.165 and 255.255.255.0, respectively. This is only an example. For the direct Ethernet connection from the controller to a computer, the Gateway is not needed.

<u>Please Note: Your controller IP addresses may be different.</u> That's OK. To determine what your controller IP addresses are, using the controller **Touchscreen**, go to the **Main Menu**, then to the **Config Menu**, then to **Network (Ethernet) Settings**, and you will see exactly what these IP Addresses are. Write them down.



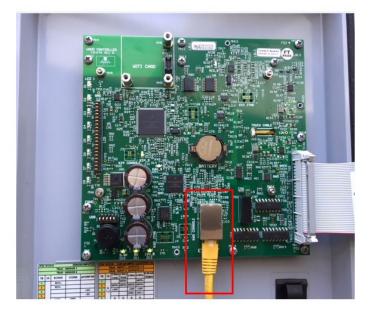


### Physical Ethernet cable connection from the controller to the computer

Ethernet is optional in a W600 controller. Open the controller front door, and on the backside, upper left hand corner, you will find the Ethernet card and RJ45 port.



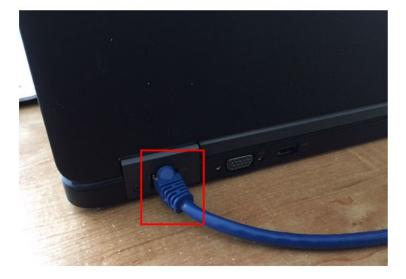
Ethernet is standard in a W900 controller. Open the controller front door, and on the backside, bottom center, you will find the Ethernet RJ45 port.







Locate the Ethernet RJ45 port on the computer, and connect the cable here.



#### Change your computer LAN (local area network) settings: WINDOWS Operating Systems

For XP: Control Panel > Network and Internet Connections > Network Connections > Local Area Network

For Vista: Control Panel > Network and Sharing Center > Manage Network Connections

For Windows 7: Control Panel > View Network Status and Tasks

<u>For Windows 8</u>: On the desktop screen in the lower right of the taskbar there should be a network icon, either a monitor or wifi bars. Right click that and open network and sharing center.

For Windows 10: Control Panel > Network and Sharing Center > Change Adapter Settings

Right-click on the LAN connection, and choose Properties.

For Windows XP: Highlight Internet Protocol (TCP-IP)

For Vista, Windows 7, Windows 8, Windows10: Highlight Internet Protocol Version 4 (TCP/IPv4)

Select Use the following IP address

<u>Please recall: Your controller IP addresses may be different.</u> That's OK. To determine what your controller IP addresses are, using the controller **Touchscreen**, go to the **Main Menu**, then to the **Config Menu**, then to **Network (Ethernet) Settings**, and you will see exactly what these IP Addresses are. Write them down.





In this example, you can see in the screen shot below, that the controller IP is 10.0.0.165 and the Netmask is 255.255.255.0 Again, your controller IP Addresses may be different.

	Config>Network Settings						
	DHCP Setting	Disabled					
	Controller IP Address	10.0.0.165					
	Network Netmask	255.255.255.0					
	Network Gateway	10.0.0.1					
	= 5	~					

Using the example above, based on the Controller IP Address being 10.0.0.165, that means you need to change your computer Local Area Connection Address to one-off from the controller. For this example, we can make the computer's IP address 10.0.0.166 and the Subnet mask should be 255.255.255.0

I Local Area Connection Properties	Internet Protocol Version 4 (TCP/IPv4) Properties	]	
Networking	General		
Connect using:	You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.		
Configure	Obtain an IP address automatically		
This connection uses the following items:	Use the following IP address:		
Client for Microsoft Networks	IP address: 10 . 0 . 166		
☑ ➡ QoS Packet Scheduler ☑ ➡ File and Printer Sharing for Microsoft Networks	Subnet mask: 255 . 255 . 255 . 0		
Internet Protocol Version 6 (TCP/IPv6)     Internet Protocol Version 4 (TCP/IPv4)	Default gateway:		
<ul> <li>Link-Layer Topology Discovery Mapper I/O Driver</li> <li>Link-Layer Topology Discovery Responder</li> </ul>	Obtain DNS server address automatically OUse the following DNS server addresses		
Install Uninstall Properties	Preferred DNS server:		
Description	Alternate DNS server:		
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Validate settings upon exit Advanced		
OK Cancel	OK Cancel		

# Change computer LAN settings: Mac Operating System

For Mac OSX: System Preferences > Ethernet

Set **Configure IPv4** to Manually. Change the IP address to one-off the from controller. <u>If</u> the controller IP Address is 10.0.100.29, make the computer IP Address 10.0.100.30. Subnet mask should be 255.255.254.0. <u>Please recall: Your controller IP addresses may be different.</u>



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O Network						
Show All		٩				
	Location: Automatic	•				
AirPort     Connected	Status:	Cable Unplugged Either the cable for Ethernet is not plugged				
Ethernet     Not Connected	000	in or the device at the other end is not responding.				
● FireWire Not Connected	Configure IPv4:	Manually				
	IP Address:	10.0.100.30				
	Subnet Mask:	255.255.254.0				
	Router:					
	DNS Server:					
	Search Domains:					
+ - *-		Advanced ?				
Click the lock to p	prevent further changes.	Assist me Revert Apply				

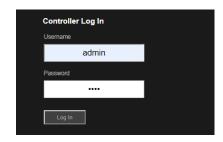
Once you have completed these settings, please close out of these computer Network windows. Please open up a web browser, type 10.0.0.165 in the IP Address block and hit Enter. If your controller's IP Address is different than 10.0.0.165, then please enter your controller's IP Address in the web browser IP Address block and hit Enter.

The following screen will appear. The default Username (UN) is *admin*, and the default Password (PW) is *5555*. Then press the **Log In** button. If the UN or PW have been changed, and you do not know what they are, please contact Walchem Customer Service at 508-429-1110, provide the controller serial number, and temporary log in credentials can be generated and sent to you.



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As an additional note:

On the Security webpage there is also a setting for the Log in Timeout, which is the time limit for the web connection to be idle before requiring the user to log in again. Having this setting short is the best protection against unauthorized access.

Once logged in, the Home page will appear. Open a browser and type the numeric Controller IP address in the web page address field. The login screen should quickly appear. The default user name is admin and the default password is 5555. The default View-Only user name is user and default password is 1111. These can and should be changed in the Config menu, under Security Settings.

<u>W600</u>					
<u>Controller</u>	Controller L	og In			
🖌 Home	Usemame				
Alarms					
nputs	-				
Outputs	Password				
💥 Config					
» Global Settings					
» Security Settings	Log In	W600			
» Display Settings		Controller	Security Settings		
» Network Settings			Date	Time	
» Email Report Settings		🙀 Home	2018-Mar-15	13:27:32	
» File Utilities		Alarms	2010-Mai-13		
» Controller Details		Inputs	View-Only Username	View-Only Password	Admin Username
🖉 Graphs		Outputs     Config	user		admin
Instruction Manual		Global Settings			
VTouch		<ul> <li>Security Settings</li> </ul>	Admin Password	Log In Timeout [ min ]	-
Walchem.com		<ul> <li>Display Settings</li> </ul>		10	
-		<ul> <li>Network Settings</li> </ul>			
Admin Log Out		Email Report Settings			
		<ul> <li>File Utilities</li> </ul>			
		<ul> <li>Controller Details</li> </ul>			
		Graphs			
		Instruction Manual     VTouch			
		Walchem.com			
		Admin Log Out			