



Connecting to a WebMaster/WIND/WebAlert via Direct Ethernet, Windows 11

Obtaining the Controller Ethernet Settings

Before starting the direct ethernet setup on your laptop, you will need to confirm the IP address and subnet mask on the controller. To do this, follow the instructions below:

1. From the Home Screen, press the Enter key to get to the Main Menu.



2. In the Main Menu, use the Previous and Next keys to navigate sub-menus until the Communication sub-menu is highlighted. Then press the Enter key.





3. You may be prompted to enter in the password that you would use to log into the controller. Use the arrow keys to enter the password and then press the Enter key twice to continue.



4. In the Communication sub-menu, use the Previous and Next keys to navigate until the ethernet IP address and ethernet subnet mask are visable on the screen. Make a note of these as they will be used in the direct ethernet connection proceedure. The default IP address is 10.0.100.29 and the default subnet mask is 255.255.254.0.







Setting up the laptop and performing the Direct Ethernet Connection

1. Plug one end of the ethernet cable into the ethernet port on the inside of the door/front panel of the controller, and the other end into the ethernet port on your laptop. Then, on your laptop press the start menu icon and click on the Settings app. If you do not see the Settings app in the list, type "Settings" into the search bar and then click on the Settings app.



2. Click on "Network & Internet"

\leftarrow Settings			
Aaron Brunelle	System		
Find a setting	▷ DESKTOP-K9V05ED Xi® PowerGo™ Rename	Microsoft 365 View benefits • OneDrive Manage	Windows Update Last checked: 14 minutes ago
📕 💻 System			
8 Bluetooth & devices	Display Monitors, brightness, night light, display profile		>
Network & internet			
Personalization	(1) Sound Volume levels, output, input, sound devices		>
📓 Apps			
Accounts	Alerts from apps and system		>
3 Time & language	 Focus assist 		
🚳 Gaming	Notifications, automatic rules		>
🕇 Accessibility	O Power & battery Sleep, battery usage, battery saver		>
Privacy & security			
Windows Update	Storage space, drives, configuration rules		>



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3. Click on "Advanced network settings"

← Settings		
Aaron Brunelle	Network & internet	
Find a setting ${\cal P}$	Wi-Fi (Iwaki-Guest) (a) Connected, secured (b) Properties Public network 5 GHz	Bata usage > 9.63 GB, last 30 days
System	Ethernet Properties	Data usage
Bildetootn & devices Network & internet	No internet	284 MB, last 30 days
Personalization	WI-FI	
Apps 📓	Connect, manage known networks, metered network	On 💽 >
 Accounts Time & language 	C Ethernet Authentication, IP and DNS settings, metered network	>
 Gaming Accessibility 	VPN Add, connect, manage	>
 Privacy & security Windows Update 	((ๆ) Mobile hotspot Share your internet connection	Off
	Airplane mode Stop all wireless communication	Off >
	Proxy Proxy server for Wi-Fi and Ethernet connections	>
	Dial-up Set up a dial-up internet connection	>
	Advanced network settings View all network adapters, network reset	>

4. You should see an Ethernet connection in the list of Network adapters named "Unidentified network". Click on that adapter and then click "View additional properties"

 Settings Aaron Brunelle 	Network & internet > Advanced network settings	
	Network adapters	
Find a setting ${\cal P}$	Ethernet 2	Disable V
System		
8 Bluetooth & devices	WI-Fi Iwaki-Guest Intel(R) WI-Fi 6 AX201 160MHz	Disable 🗸
Network & internet		
Personalization	CI Ethernet Unidentified network Realtek PCIe GbE Family Controller	Disable ^
Apps	Media state Enabled	
Accounts	Bytes sent: 0 Bytes received: 0	
Time & language	Link speed: 100 (Mbps)	
 Gaming 	Duration: 0.9.24	
🕇 Accessibility	Rename this adapter	Rename
Privacy & security	View additional properties	>
Windows Update		
- Constanting F	Bluetooth Network Connection Bluetooth Device (Personal Area Network)	Disable 🗸

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5. The IP assignment will likely be automatic (using DHCP). Click on the Edit button for IP assignment.

← Settings			
Aaron Brunelle	Network & internet	> Advanced network settings > Vi	ew additional properties
Find a setting	Ethernet properties		
System	IP assignment:	Automatic (DHCP)	Edit
8 Bluetooth & devices	DNS server assignment:	Automatic (DHCP)	Edit
 Network & internet 	Link speed (Receive/Transmit):	100/100 (Mbps)	Сору
/ Personalization	Link-local IPv6 address:		
Apps	IPV6 DINS servers.		
Accounts	Manufacturer:	Realtek	
Time & language	Description:	Realtek PCIe GbE Family Controller	
🐵 Gaming	Physical address (MAC):		
★ Accessibility			
Privacy & security	Get help		
Windows Update			

6. Click the drop-down and select "Manual". Then switch IPv4 to "On". Then, for the IP address take the IP address on the controller and increment/decriment it by 1 (i.e. if the controller IP address is 10.0.100.22, use 10.0.100.23 or 10.0.100.21). For the Subnet mask match the Subnet mask on the controller. Leave all other settings alone. Then press the Save button to exit. Then click on "Advanced network settings".

setting P	Ethernet properties		Edit ID sottings	
/stem	IP assignment:	Automatic (DHCP)	Manual	Edit
tooth & devices	DNS server assignment:	Automatic (DHCP)	IPv4	Edit
ork & internet	Link speed (Receive/Transmit)		On	Сору
nalization	Link-local IPv6 address:			
5	IPVO DINS servers:		10.0.100.23	
ounts	Manufacturer:	Realtek		
ie & language	Description:	Realtek PCIe GbE Family Controlle	Subnet mask	
ina	Driver version: Physical address (MAC):		255.255.254.0	
sibility			Gateway	
and my	Get help			
icy & security			Desferred DNC	
dows Update			Freiened DNS	
			Preferred DNS encryption	
			Unencrypted only ~	
			Alternate DNS	
			a A	
			Save Cancel	

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7. For best results, you should temporarily disable your WIFI. To do this, click the Disable button for the Wi-Fi adapter.

Aaron Brunelle	Network & internet > Advanced network settings	
	Network adapters	
Find a setting A	Ethernet 2	Disable 🗸
System	and the second se	
8 Bluetooth & devices	WI-FI Iwaki-Guest Intel(R) Wi-Fi 6 AX201 160MHz	Disable
 Network & internet 		
/ Personalization	Unidentified network Realtek PCIe GbE Family Controller	Disable 🗸 🗸
Apps	Bluetooth Network Connection	Disable
Accounts	Bluetooth Device (Personal Area Network)	Disable
Time & language	More settings	
🐵 Gaming		
★ Accessibility	Data usage	>
Privacy & security		
Windows Update	Hardware and connection properties	,
	Network reset	>

8. Open your web browser (Google Chrome shown) and type the controller's IP address into the address bar and press the enter key. The WebMaster authentication screen appears as shown below. From here you can use your username and password to log into the controller and configure the controller settings.

WebMasterOne Authentication Page
Please enter user name and password: Name: Password:
Submit Reset
www.walchem.com
Trouble Signing In:
Get Tech Support





9. Once you are finished, you can set your network settings back to their previous settings. Go back to "View additional properties" and click the Edit button for the IP assignment.

settings			
Aaron Brunelle	Network & Internet	> Advanced network settings >	View additional propertie
Find a setting	Ethernet properties		
System	IP assignment:	Manual	
Bluetooth & devices	IPv4 address: IPv4 mask:	10.0.100.23 255.255.254.0	Edit
 Network & internet 			
/ Personalization	DNS server assignment:	Automatic (DHCP)	Edit
Anns	Link speed (Receive/Transmit):	100/100 (Mbps)	Сору
Accounts	IPv6 DNS servers:		
) Time & language	IPv4 address:	10.0.100.23	
Gaming	Manufacturer:	Realtek	
Accessibility	Description: Driver version:	Realtek PCIe GbE Family Controller	
Privacy & security	Physical address (MAC):		
Windows Update			

10. Click the drop-down and switch back to "Automatic (DHCP)". Then press the Save button to exit. Then click on "Advanced network settings".

a setting D	Ethernet properties			^
System	IP assignment: IPv4 address:	Manual 10.0.100.23	Automatic (DHCP)	Edit
Bluetooth & devices	IPv4 mask:	255.255.254.0	IPv4	
Network & internet	DNS server assignment:	Automatic (DHCP)	On	Edit
Personalization Apps Accounts	Link speed (Receive/Transmit) Link-local IPv6 address: IPv6 DNS servers:	c	IP address 10.0.100.23	Сору
Time & language	10 d address	10.0.100.22	Subnet mask	
Gaming	Manufacturer:	Realtek	255.255.254.0	
Accessibility	Description: Driver version: Physical address (MAC):	Realtek PCIe GbE Family Controlle	Gateway	
Windows Update	👰 Get help		Preferred DNS	
			Preferred DNS encryption	
			Unencrypted only ~	
			Alternate DNS	
			Sun	





11. Lastly, click on the Enable button next to the Wi-Fi adapter to re-enable your WIFI.

🤆 Settings		
Aaron Brunelle	Network & internet > Advanced network settings	
	Network adapters	
Find a setting P	Ethernet 2	Disable 🗸 🗸
 System Bluetooth & devices 	WI-Fi Intel(R) WI-FI 6 AX201 160MHz	Enable
 Network & internet 	C6 Ethernet	Diable
Personalization	Unidentified network Realtek PCIe GbE Family Controller	Disable
Apps	Bluetooth Network Connection Bluetooth Device (Personal Area Network)	Disable
 Accounts Time & language 	More settings	
Gaming	Determine	
C Accessibility	Data usage	2
Privacy & security	Hardware and connection properties	>
Windows Update		
	Network reset Reset all network adapters to factory settings	>

<u>Notes</u>

- To do this procedure, you may need to have admin privileges on your laptop.
- It is possible to do the direct connection with the WIFI enabled, however in certain cases this can
 prevent the laptop from connecting to the controller (the laptop may look on the internet for the
 controller's IP address rather than look at the ethernet connection). For this reason, you should
 disable your WIFI for the procedure.
- If your laptop does not have an ethernet port, it is possible to still do this procedure by using a USB to Ethernet adapter such as one shown on the right. You should see an additional adapter appear for the USB adapter. From there, the connection procedure is the same as before.



\leftarrow Settings					
Q Aar	on Brunelle	Net	work & internet > Advanced network settings		
		Networl	x adapters		
Find a setting	٩	대	Ethernet 2	Disable	~
S ystem					
8 Bluetoot	h & devices	(((•	WI-FI Intel(R) Wi-Fi 6 AX201 160MHz	Enable	~
🛛 🗢 Network	& internet	-	Ethernet		
🥖 Personal	ization	Ŀŗ	Not connected Realtek PCIe GbE Family Controller	Disable	~
📓 Apps		Гŧ	Ethernet 3	Disable	
💄 Account	s	5	Unidentified network USB2.0 to Fast Ethernet Adapter	Disable	
3 Time &	anguage	#	Bluetooth Network Connection	Disable	~
🐵 Gaming					