

IWAKI America Inc.

WebMaster[®] /WebAlert[®] Quick Start Guide

WebMaster[®]/WebAlert[®] USB Style Quick Start Guide

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Computer Requirements

The computer hardware guidelines for establishing a connection with the WebMaster/WebAlert are basically the same requirements as surfing the Internet. You'll need sufficient memory to run your computer's operating system and web browser, and a CPU with enough processing speed to easily handle web pages for easy viewing.

Computer requirements for all four methods of communication are as follows:

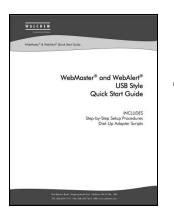
- At least one available USB port
- > 100 MHz min. processor
- ➢ 40MB minimum RAM
- Windows operating system (XP, Vista, Windows 7, 8 or 10) or MAC OSX
- Windows Internet Explorer (ver. 5.0 or higher), Firefox or Safari

Support Literature

Simple Step-by-Step instructions in our support literature will help make the start-up of your WebMaster/WebAlert quick and easy. The following materials have been supplied to help get you started:



- ✓ Quick Start Guide
- ✓ Instruction Manual
- ✓ USB cable (A-B)
- ✓ USB Driver CD



Introduction

This Quick Start Guide is designed to help you establish basic communications with your WebMaster/WebAlert.

There are four methods of communicating with your device. Each connection is simple and requires no proprietary software on your computer.

The five methods of communication with the WebMaster/WebAlert are as follows:

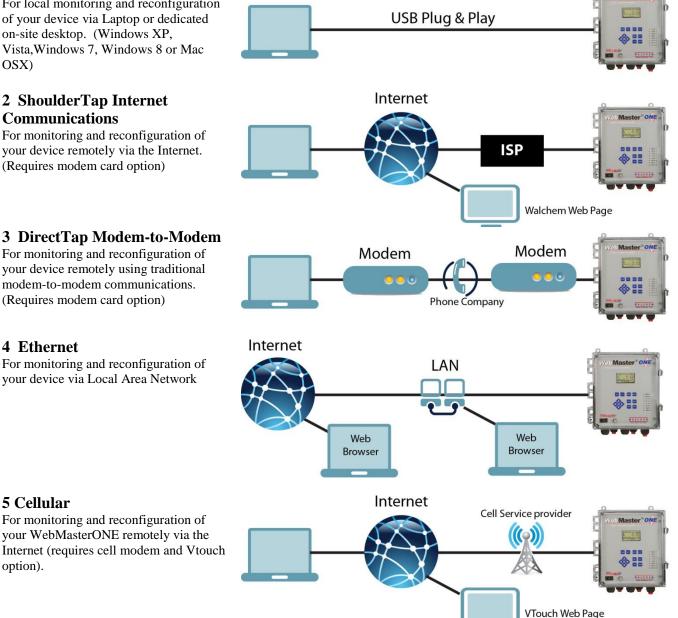
1 USB (standard)

For local monitoring and reconfiguration of your device via Laptop or dedicated on-site desktop. (Windows XP, Vista, Windows 7, Windows 8 or Mac OSX)

2 ShoulderTap Internet **Communications**

(Requires modem card option)

For monitoring and reconfiguration of your device remotely via the Internet. (Requires modem card option)



4 Ethernet

5 Cellular For monitoring and reconfiguration of your WebMasterONE remotely via the Internet (requires cell modem and Vtouch option).



Getting Started

The majority of local reconfiguration of your WebMaster/WebAlert will be done with the USB connection. **The Instruction Manual has detailed steps for initiating USB communications.**

The following steps are required to get started:

- A USB driver needs to be added to your PC. This driver only needs to be installed once and can be used to communicate with any WebMaster/WebAlert. The USB driver may only be used with Windows XP, Vista, Windows 7, Window 8, or Mac OSX.
- Step-by-Step instructions for installing the USB driver are included in this guide.
 Find the operating system that is installed on your computer (Windows XP, Vista, Windows 7, Windows 8, or Mac OSX.) and follow the instructions. The instruction manual will help guide you through the remainder of the process.

ShoulderTap[®]

ShoulderTap is Walchem's patented Server On-Demand Technology. The software allows you to communicate with the WebMaster/WebAlert over the Internet without the need to be online all the time. Having the web-based device online only when needed makes the connection secure and cost effective. The modem option must be installed in order to ShoulderTap.

If you choose to utilize the ShoulderTap remote communications feature, an Internet Service Provider (ISP) account must be established for your WebMaster/WebAlert, similar to what you may use to access the Internet from home. This account provides the WebMaster/WebAlert with Internet dial-up access. The following information will be needed to establish ShoulderTap communications:

- > **ISP User Name** the name that the controller will use to connect to the ISP
- > **ISP Password** the security ID that the controller will use to connect to the ISP
- Controller Phone Number the number of the analog phone line attached to your WebMaster/WebAlert ... this is used to identify which WebMaster/WebAlert you want to communicate with.
- Local Access Number For The ISP the local phone number that the controller will dial out to for Internet access.

The Instruction Manual provides more details on the ShoulderTap® process.

Choosing an ISP

There is a large selection of ISPs available with a variety of service plans. Walchem recommends selecting an ISP that has easy access and is reliable. Some ISPs can have spotty coverage that can be very unreliable during peak hours. ISPs that require you to load software will not work.



Walchem recommends the following ISP for best results:



Information is available at www.surfbest.net or by dialing (207)-384-4234

EARTHLINK is also reliable in many locations. Information is available at www.earthlink.com or 1-800-EARTHLINK.

If you want to receive e-mails from your controller (alarms, datalogs and system summaries) your ISP will provide you with an SMTP server address.

The Communications section of the Instruction Manual provides additional instructions on receiving e-mails.

The Auto Reporting section in the Instruction Manual contains detailed information on autoreporting.

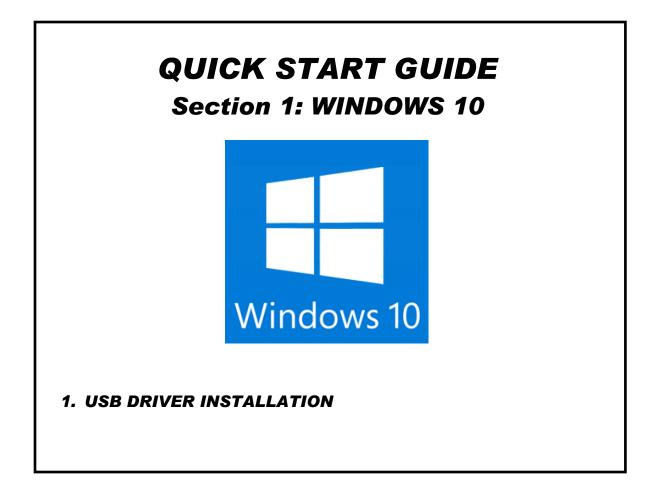
DirectTap Modem-to-Modem

Your WebMaster/WebAlert can also be accessed via DirectTap modem-to-modem communications. DirectTap is primarily used as a diagnostic tool or for initial set-up. DirectTap enables the user to connect directly to the WebMaster/WebAlert via a phone line without using the Internet. When the Internet is not available or at peak Internet usage, you can access your device directly with your modem. Unlike ShoulderTap, DirectTap is limited to one user at a time. DirectTap can be used to dial into a controller for initial set-up. The modem option is required to DirectTap. **Refer to the Instruction Manual.**

Ethernet

Your WebMaster/WebAlert can be placed directly on a Wide Area Network (WAN) or Local Area Network (LAN) just like any PC or standard piece of office equipment such as a network printer. The device only needs to be assigned an IP address from the on-site IT administrator for access via an Ethernet connection for a WebMaster/WebAlert.

The Instruction Manual provides a step-by-step guide for Ethernet communications.

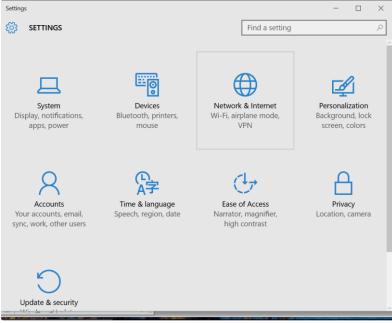


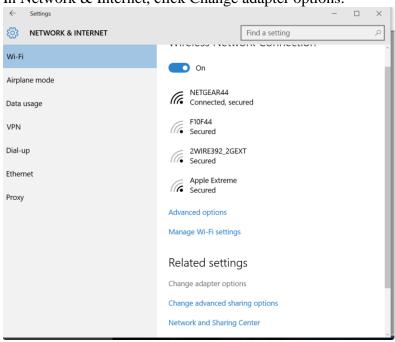
1. USB DRIVER INSTALLATION FOR WINDOWS 10

****NOTE: Your computer MUST be on the Internet to complete this action! **** From the Start, click on Settings:



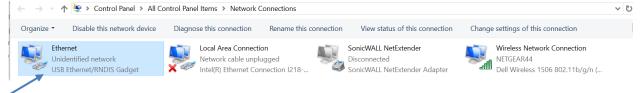
Click on Network and Internet:



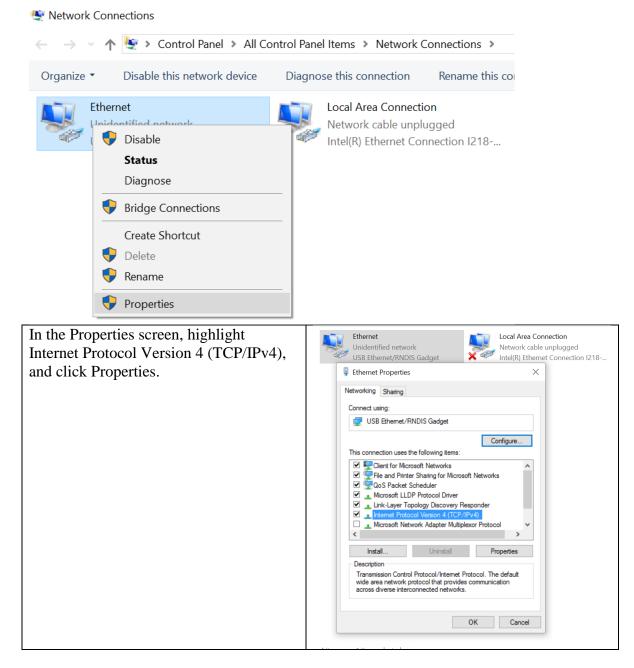


In Network & Internet, click Change adapter options:

The connection you're looking for is Ethernet USB Ethernet/RNDIS Gadget.



Right click, and click Properties:



Select Use the following IP address, and enter the fields as below, then click OK:

Vetwork	ernet Properties	×	Connection
	Shaing		ble unplugged rnet Connection I21
Co	nternet Protocol Version 4 (TCP/IPv4	1) Properties	X
d "		r) Properties	~
	General		
Th	You can get IP settings assigned auto this capability. Otherwise, you need for the appropriate IP settings.		
	Obtain an IP address automatica	ally	_
	• Use the following IP address:		
	IP address:	199 . 199 . 199 . 1	
C	Subnet mask:	255.255.255.0	-
<	Default gateway:		
- (Obtain DNS server address auto	matically	
	Use the following DNS server ad	dresses:	_
	Preferred DNS server:		
	Alternate DNS server:		
	Validate settings upon exit	Adv	anced
		ОК	Cancel
		7	

Open your Web browser (Internet Explorer shown) and enter 199.199.199.2 in the address bar.

The WebMaster Authentication screen appears as shown below:

🍎 Login Page - Windows Internet Explorer	AT ALAT & COLOR	
G - + 10 http://199.199.199.2/	- 🗟 ++ 🗙 🖗 ₽ Bing	، م
🗴 🔰 Windows Live 🛛 Live Search	🔎 🔻 What's New Profile Mail Photos	≫ 🗾 Sign in
🚖 Favorites 🛛 🍰 🖉 Web Slice Gallery 👻		
🦉 Login Page	🚹 🔹 🔂 💌 📾 💌 Page 🕶 Sa	fety • T <u>o</u> ols • 🕡 • ^{>>}
WebMaster Authentication Page		i i i i i i i i i i i i i i i i i i i
Please enter user name and password:		
Name:		
Password:		
Submit Reset		Ê
Visit our Home Page:		
www.walchem.com		
Trouble Signing In:		
Get Tech Support		
	© 1999 - 2009 Walchem An Iwaki America Incorporated Company Five Boynoton Rd, Holliton, JAA	
•	Powered By: Virtual Applet Server	
Done	🙀 😜 Internet Protected Mode: On	√a + € 100% +

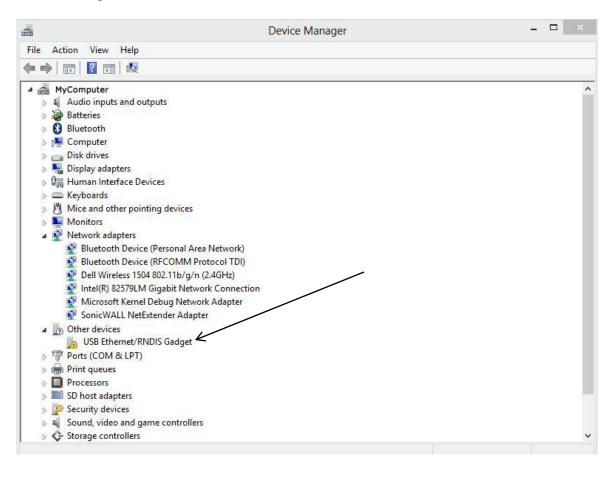


1. USB DRIVER INSTALLATION FOR WINDOWS 8 Step 1

- ▶ Plug the USB cable into the WebMaster/WebAlert and your computer.
- Go to the Device Manager (right-click the lower left corner, select Control Panel, then Device manager)

	 X
File Action View Help	
누 🔶 🗊 🔚 🔡 🖬 😣 🖹 🍋	
a 🚔 DCherry	^
Audio inputs and outputs	
> 🔊 Batteries	
Bluetooth	
E Computer	
▷ 🥅 Disk drives	
Display adapters	
Human Interface Devices	
Keyboards	
Mice and other pointing devices	
Monitors	
🔺 👰 Network adapters	
👰 Bluetooth Device (Personal Area	
👰 Bluetooth Device (RFCOMM Pro	
🛐 Dell Wireless 1504 802.11b/g/n (2	
👰 Intel(R) 82579LM Gigabit Networ	
👰 Microsoft Kernel Debug Networl	
👰 SonicWALL NetExtender Adapte	
👰 USB RNDIS Adapter	
Ports (COM & LPT)	
> 🖶 Print queues	
Processors	
D host adapters	
Decurity devices	
Image: Sound, video and game controllers	
Storage controllers	~

- ▶ Right-click the RNDIS Ethernet Gadget with the yellow exclamation mark.
- ► Select Update Driver.



- Select Browse my computer
 Select "Let me pick from a list of device drivers on my computer"

	×
€	Update Driver Software - Unknown Device
	Browse for driver software on your computer
	Search for driver software in this location:
	✓ Browse
	 Include subfolders Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.
	Next Cancel

Step 4

► Select Network Adapter, click Next

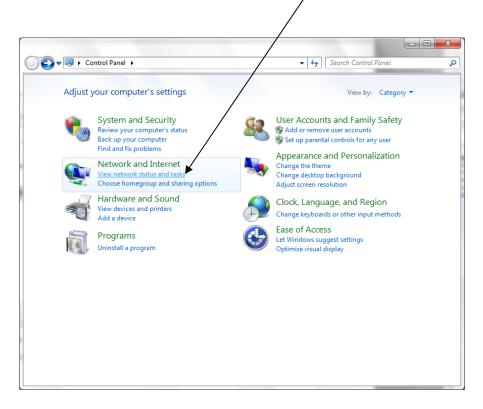
elect your device's type from the list below.	
ommon hardware types:	
Monitors	^
Multifunction adapters	
🝸 Multi-port serial adapters	
Network adapters	
Network Client	
- Network Protocol	
Network Service	
Non-Plug and Play drivers	
PCMCIA adapters	
Portable Devices	
Ports (COM & LPT)	
Print queues	
	*

Step 5

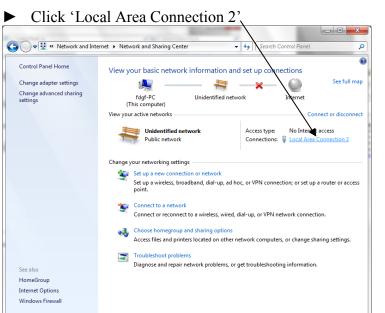
Select Microsoft and then USB RNDIS Adapter

	apter			
Click the Netw	ork Adapter th	nat matches your hardware, then click Of	(. If you have an	
		ıre, click Have Disk.		
Manufacturer	^	Network Adapter:		13
Microsoft		Remote NDIS Compatible Device		
Motorola, Inc.	1.0	🙀 USB RNDIS Adapter		ł
12/2/92/22		🔄 USB RNDIS6 Adapter		1
NEC	~	the second second second second second second second		
NEC NETGEAR Inc	>	WAN Miniport (IKEv2)		
NETGEAR Inc		WAN Miniport (IKEv2)	Have Disk	

- Return to the Control Panel
- Click 'View Network Status and Tasks'



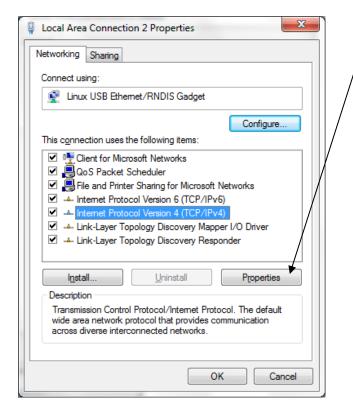
Step 7



Click 'Properties' Local Area Connection 2 Status General Connection IPv4 Connectivity: No Internet access IPv6 Connectivity: No network access Media State: Duration: 00:04:55 Speed: 9.7 Mbps Details... Activity Received Sent Bytes: 0 3,540 Properties Diagnose Diagnose Close

Step 9

 Highlight Internet Protocol Version 4 (TCP/IPv4) and then click 'Properties'



Step 10

Step 8

Select 'Use the following IP address' and type in 199.199.199.1

Click 'OK'

ternet Pr	otocol Version 4 (TCP/IP)	v4) Prop	erties			9	X
General]						
this cap	a get IP settings assigned au ability. Otherwise, you nee appropriate IP settings.						
© <u>0</u>	otain an IP address automat	tically					
-@ U <u>s</u>	e the following IP address:						
<u>I</u> P ad	ldress:	199	9.19	9.19	9.1		
Subr	et mask:	25	5.25	5.25	5.0		
<u>D</u> efa	ult gateway:						
0	tain DNS server address au	utomatica	lly				
() ()	e the following DNS server	addresse	s:				
Prefi	erred DNS server:						
<u>A</u> lter	nate DNS server:		•	•	•		
V	a <u>l</u> idate settings upon exit				Adv	anced]
				ОК		Ca	ncel

Step 11

Open Internet Explorer and enter 199.199.199.2 in the address bar. The WebMaster Authentication screen appears as shown below:

Ø Login Page - Windows Internet Explorer	AT AT AT A MARK B		X
G ↓ ▼ inttp://199.199.199.2/	🗸 🔯 🍫 🗙 👂 Bing		ب م
🗙 🝠 Windows Live Live Search	🔎 🔻 What's New Profile Mail Photos 🏾 🏾 🔅	~	Sign in
🖕 Favorites 🛛 🚔 🙋 Web Slice Gallery 🕶			
🥖 🙋 Login Page	Age ▼ Safety ▼	T <u>o</u> ols ▼	? ▼ "
WebMaster Authentication Page Please enter user name and password: Name: Password:			
Submit Reset Visit our Home Page: www.walchem.com			E
Trouble Signing In: <u>Get Tech Support</u>			
	© 1999 - 2009 Walchem An Iwaii America Incorporated Company Five Boynton Rd,Holliaton,MA Powerd By: Virtual Applet Server		-
Done	III 👩 😜 Internet Protected Mode: On 🛛 🖓 🔻	a 1009	۲ ار ا

2. DIRECT MODEM SET-UP FOR WINDOWS 8

Step 1

- ► Go to Start, Control Panel
- Under 'Network and Internet', click 'View network status and tasks'

😕 🕨 Con	trol Panel 🕨	/	✓ 4 Search Control Panel
Adjust y	our computer's settings		View by: Category -
R	System and Security Review your computer's status Back up your computer Find and fix problems	8	User Accounts and Family Safety Add or remove user accounts Set up parental controls for any user
٩	Network and Internet Connect to the Internet <u>View network status and tasks</u> Choose homegroup and sharing options	N	Appearance and Personalization Change the theme Change desktop background Adjust screen resolution
-	Hardware and Sound View devices and printers Add a device		Clock, Language, and Region Change keyboards or other input methods Ease of Access
	Programs Uninstall a program		Let Windows suggest settings Optimize visual display

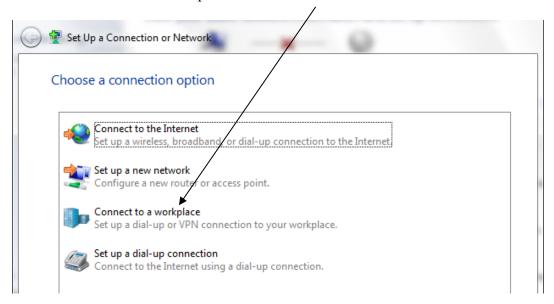
Step 2

Click 'Set up a new connection or network'

~ ~		
🌀 💬 🗢 👱 🕨 Control Panel 🕨	Network and Internet Network and Sharing Center	\$
Control Panel Home	View your basic network information and set up connections	(
Change adapter settings	See full map	
Change advanced sharing settings	FDGF-PC Internet (This computer)	
	View your active networks Connect to a network You are currently not connected to any networks.	
	Change your networking settings	
	Set up a new connection or network Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.	
	Connect to a network Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.	
See also	Choose homegroup and sharing options	
	Access files and printers located on other network computers, or change sharing settings.	
HomeGroup	Troubleshoot problems	
Internet Options Windows Firewall	Diagnose and repair network problems, or get troubleshooting information.	

Step 3

► Select 'Connect to a workplace' and then 'Next'



Step 4▶ Click 'Dial Directly'

🚱 🌆 Connect to a Workplace	
How do you want to connect?	
Use my Internet connection (VPN) Connect using a virtual private network (VPN) connection through the Internet.	
· · · · · · · · · · · · · · · · · · ·	
 Dial directly Connect directly to a phone number without going through the Internet. 	
What is a VPN connection?	Cancel

Step 5

- Add a phone number (this can be changed whenever you use the connection)
 Check the box next to 'Don't connect now'
- ► Click 'Next'

🖌 🔚 Connect to a Workpla	ce	* Bernet
Type the telephone	number to connect to	
Your network administra	tor can give you this information.	
<u>T</u> elephone number:	1-555-1212	Dialing Rules
Destination name:	WebMaster Modem	
This option allow	le to use this connection s anyone with access to this computer to use the	his connection.
⊻ <u>D</u> on't connect no	w; just set it up so I can connect later	Next Cancel

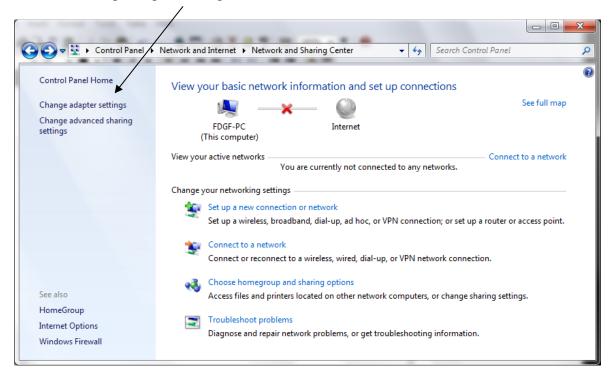
Click 'Create	<u>e</u>	
🚡 Connect to a Workp	lace	
Type your user na	me and password	
<u>U</u> ser name:		
Password:		
	Show characters	
	<u>Remember this password</u>	
<u>D</u> omain (optional):		
		Create Cancel

Step 7

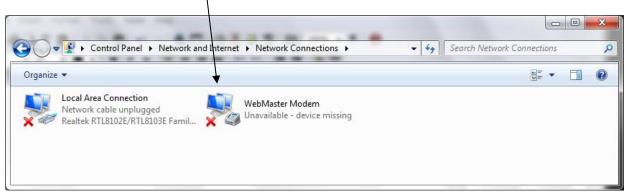
- ► Click 'Close'
- ► Return to the Network and Sharing Center

Step 8

► Click 'Change adapter settings' on the left



- Right click 'WebMaster Modem'
- Select 'Properties'



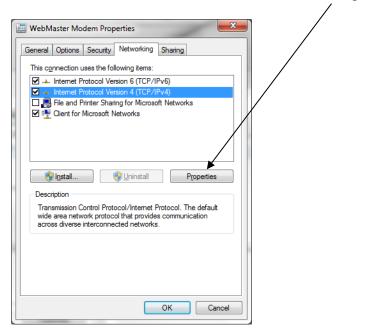
Step 10

Click 'Networking' tab

eneral Options	Consulty Notes	advina Ch	
Options	Security Netw	orking Sh	aring
Connect using:			
🜋 Modem Remo	ved- Unavailable	e device ()	
			Configure
Phone number -			
	Phone number		
Ar <u>e</u> a code:	1-555-1212	•	
¥	1-000-1212		Alter <u>n</u> ates
Country/region	code:		
			Ŧ
🔲 U <u>s</u> e dialing r	ules		Dialing <u>R</u> ules
ee our online <u>priv</u> formation.	<u>acy statement</u> fo	r data colle	ction and use
romation.			

Step 11

► Select 'Internet Protocol Version 4' and click 'Properties' button



Step 12

Select 'Use the following IP address' and change the IP address to 199.199.199.4
 Click 'OK' to save the changes

nternet Protocol Version 4 (TCP/IPv	/4) Properties
General	
You can get IP settings assigned au supports this capability. Otherwise, y administrator for the appropriate IP s	ou need to ask your network
Obtain an IP address automatic	cally
• Use the following IP address:	
IP address:	199 . 199 . 199 . 4
 Obtain DNS server address auf Use the following DNS server a Preferred DNS server: Alternate DNS server: 	*
	Ad <u>v</u> anced
	OK Cancel

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QUICK START GUIDE Section 3: WINDOWS 7



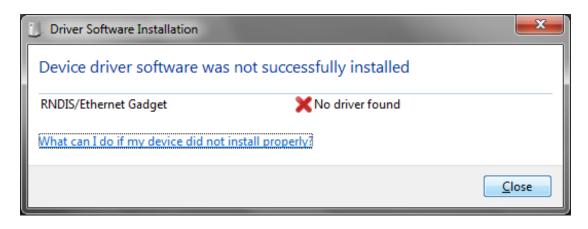
1. USB DRIVER INSTALLATION

2. DIRECT MODEM TO MODEM COMMUNICATIONS

1. USB DRIVER INSTALLATION FOR WINDOWS 7

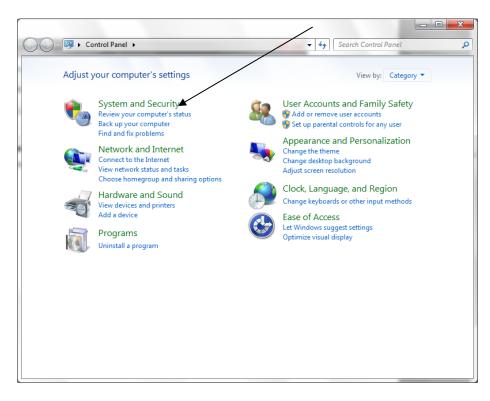
Step 1

- ▶ Plug the USB cable into the WebMaster/WebAlert and your computer.
- ► You will see this message on your screen



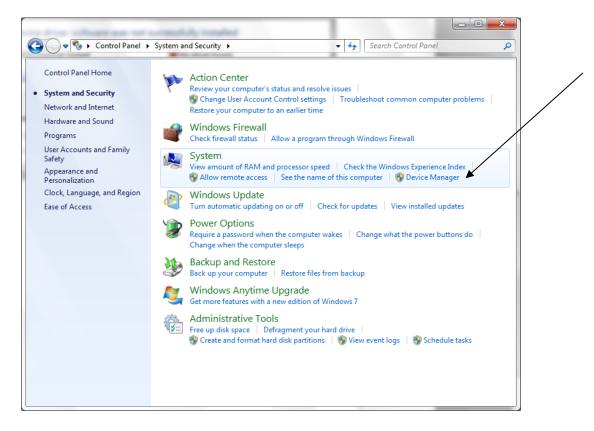
Step 2

► Go to Start, Control Panel and Click 'System and Security'

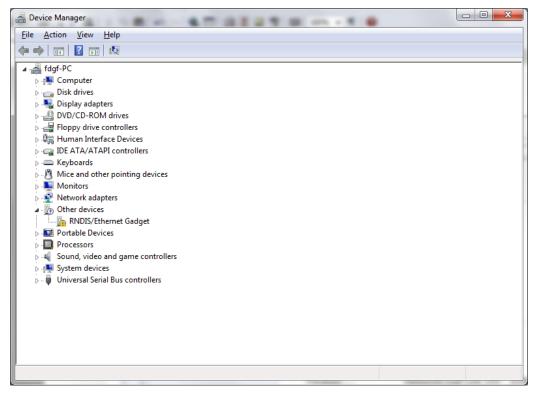


Step 3

Click 'Device Manager' (under 'System')



Device Manager screen will look like this:



Step 4

 Insert disc and select 'Open folder to View Files'

Step 5

- Go back to Device Manager, and right click the RNDIS/Ethernet Gadget.. Select 'Update Driver Software'.
- ► Select 'Browse my computer for driver software'

🚠 AutoPlay	×
DVD RW Drive (D:) 090414_1234	Update Driver Software - RNDIS/Ethernet Gadget How do you want to search for driver software?
General options Open folder to view files using Windows Explorer Image: Copy disc using Roxio Burn View more AutoPlay options in Control Panel	 Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings. Browse my computer for driver software Locate and install driver software manually.
	Cancel

Step 6

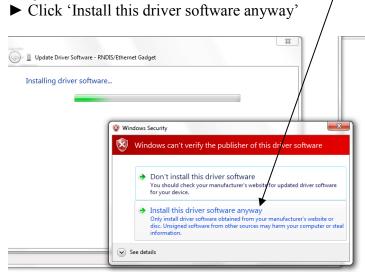
► Click 'Browse' to search for the CD/DVD Drive

0	Update Driver Software - RNDIS/Ethernet Gadget	×
	Browse for driver software on your computer	
	Search for driver software in this location:	
	D:∖ ▼ B <u>r</u> owse	
	✓ Include subfolders	
	Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.	
	Next Ca	incel

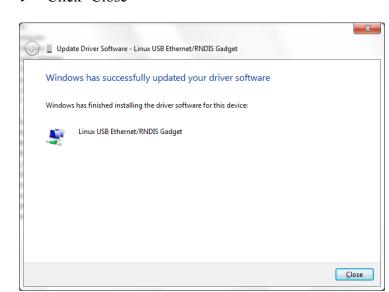
Step 7

Browse to Computer, CD/DVD drive, click 'OK'

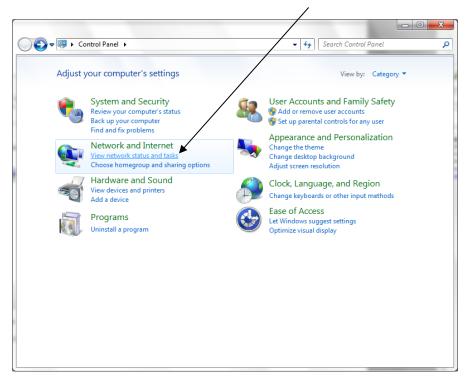
-						
Br	owse For F	older				×
	Select the f	folder that o	contains o	lrivers for you	ır hardware.	
				/		
	📄 I	My Picture	s /			•
		My Videos				
	- 😥 S	Saved Gam	nes			
		Searches				
	4 🖳 Co	mputer			_	
	D 🏭 (OS (C:)				
	⊳ 💽 [DVD RW D	rive (D:)	090414_1234		
	Þ 🧰 l	local Disk	(Z:)			
	⊳ 📬 Ne	etwork			Space free:	-
		My Decum	onto		Total size: 1	.5.8 M
	Eolder:	My Docum	ents			
				ОК	Cancel)



Step 9 ► Click 'Close'

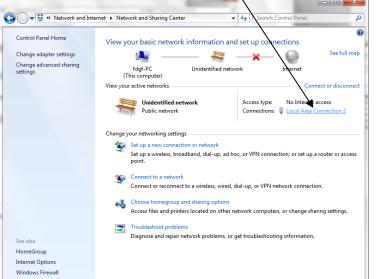


- ► Return to the Control Panel
- Click 'View Network Status and Tasks'



Step 11

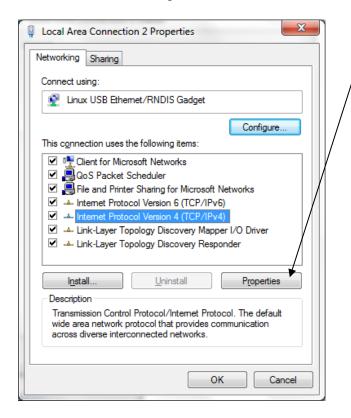
Click 'Local Area Connection 2',



Step 12 Click 'Properties' Local Area Connection 2 Status General Connection IPv4 Connectivity: No Internet access IPv6 Connectivity: No network access Media State: Duration: 00:04:55 9.7 Mbps Speed: Details... Activity Sent Received 0 3,540 Bytes: Properties 🕘 Disable Diagnose Close

Step 13

 Highlight Internet Protocol Version 4 (TCP/IPv4) and then click 'Properties'



- Select 'Use the following IP address' and type in 199.199.19
- ► Click 'OK'

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X
General	
You can get IP settings assigned autom this capability. Otherwise, you need to for the appropriate IP settings.	
Obtain an IP address automatical	y
• Use the following IP address:	
IP address:	199 . 199 . 199 . 1
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address autom	natically
• Use the following DNS server add	resses:
Preferred DNS server:	
<u>A</u> lternate DNS server:	• • •
Validate settings upon exit	Ad <u>v</u> anced
	OK Cancel

Step 15

► Open Internet Explorer and enter 199.199.199.2 in the address bar. The WebMaster Authentication screen appears as shown below:

Ø Login Page - Windows Internet Explorer	AT AT AT A MARK B		×
	- 🔄 +→ 🗙 👂 Bing		• ٩
🗙 🗾 Windows Live 🛛 Live Search	🔎 🔻 What's New Profile Mail Photos 🏾 🏾 🔅	~	Sign in
🚖 Favorites 🛛 👍 🙋 Web Slice Gallery 🕶			
🏉 Login Page	A v B v □ H v Page v Safety v	T <u>o</u> ols ▼	? ▼ [*]
WebMaster Authentication Page			a
WebMaster Authentication Lage			-1
Please enter user name and passwor	d:		
Name:			
Password:			
Submit Reset			=
Visit our Home Page:			
www.walchem.com			
Trouble Signing In:			
Get Tech Support			
	© 1999 - 2009 Walchem An Ivaki America Incorporated Company Five Boynton RA,Holliston,JA		
	Powered By: Virtual Applet Server		+
Done	🛛 😨 😜 Internet Protected Mode: On 🛛 🖓 🔻	a 100%	•

2. DIRECT MODEM SET-UP FOR WINDOWS 7

See Direct Modem Setup for Windows 8 section.

QUICK START GUIDE Section 4: WINDOWS VISTA (32-bit)



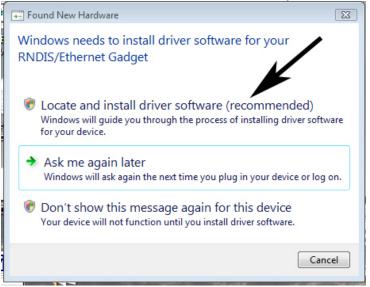
1. USB DRIVER INSTALLATION

2. DIRECT MODEM TO MODEM COMMUNICATIONS

1. USB DRIVER INSTALLATION FOR WINDOWS VISTA (32 BIT)

Step 1

- ▶ Plug the USB cable into the WebMaster/WebAlert and your computer.
- ► You will see this message on your screen.
- ► Click 'Locate and install driver software (recommended)'

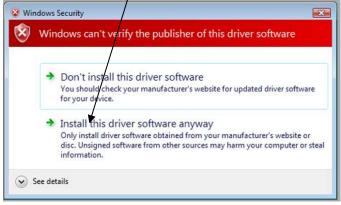


- ► You'll then see this screen.
- ► Click on the disc icon and insert the USB CD in your computer's CD drive.

0	D Found New Hardware - RNDIS/Ethernet Gadget	
	Insert the disc that came with your RNDIS/Ethernet Gadget	
	If you have the disc that came with your device, insert it now. Windows will automatically search the disc for driver software.	
	I don't have the disc. Show me other options.	
		Cancel

Step 3

- ► You will see this message.
- Click on 'Install this driver software anyway'
- You'll get a message confirming the software installation.



Step 5

 Choose 'Internet Protocol Version 4' and click 'Properties',

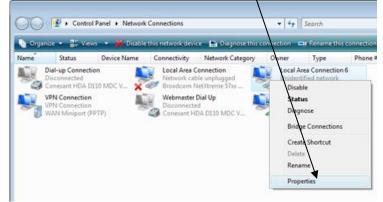
Linux USB Ethemet/RNDIS Gadget #2 Configure This connection uses the following items: GoS Packet Scheduler GoS Packet Scheduler GoS Packet Scheduler GoS Packet Scheduler file and Printer Sharing for Microsoft Networks file and Printer Protocol Version 4 (TCP/IP 4)	Vetworking Sharing		
This connection uses the following items: Client for Microsoft Networks Client for Microsoft Networks Client for Microsoft Networks File and Printer Sharing for Microsoft Networks Internet Protocol Version 6 (TCP/IRv6) Internet Protocol Version 4 (TCP/IP 4) Internet Protocol Version 4 (TCP/IP 4)	Linux USB Eth	nemet/RNDIS Gadget #,	2
Oos Packet Scheduler Oos Packet Scheduler Oos Packet Scheduler Oos Packet Scheduler Internet Protocol Version 6 (TCP/IRv6) Oos Internet Protocol Version 4 (TCP/IRv6) Oos Internet Proto	This connection use:	s the following items:	Configure
Install Uninstall Properties	QoS Packe	t Scheduler	
	 ✓ internet Pro ✓ internet Pro<!--</th--><td>tocol Version 6 (TCP/I) tocol Version 4 (TCP/IP Topology Discovery Map</td><td>76) 4) per I/O Driver</td>	tocol Version 6 (TCP/I) tocol Version 4 (TCP/IP Topology Discovery Map	76) 4) per I/O Driver
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	 ✓ internet Pro ✓ internet Pro<!--</th--><td>tocol Version 6 (TCP/I) tocol Version 4 (TCP/IP Topology Discovery Map Topology Discovery Res</td><td>r6) per I/O Driver ponter</td>	tocol Version 6 (TCP/I) tocol Version 4 (TCP/IP Topology Discovery Map Topology Discovery Res	r6) per I/O Driver ponter

Step 7

Open your browser and type in 199.199.199.2 to access the WebMaster Login Screen

Step 4

- ► Next you'll need to change the IP settings for the LAN connections and right-click on the new one.
- ▶ It is labeled 'Local Area Connection 2' or similar.
- ► Right-click and choose 'Properties'.



Step 6

Check 'Use the following IP address' and type 199.199.199.1 for the IP address and 255.255.255.0 for subnet mask.

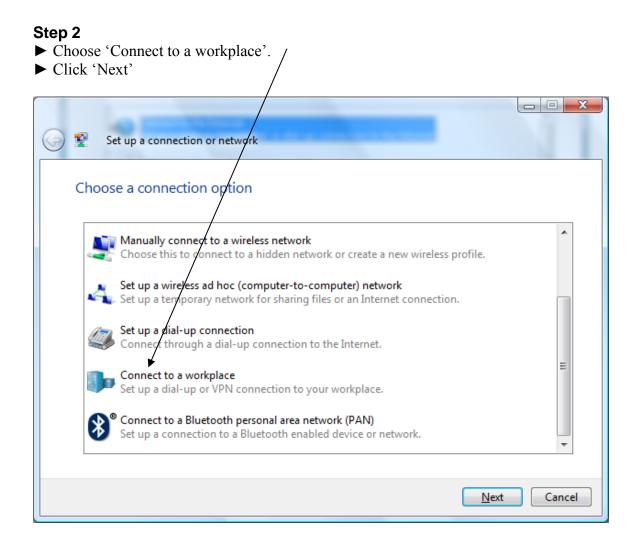
	l automatically if your network supports eed to ask your network administrator
🖱 Obtain an IP address auton	natically
Ose the following IP addres	s:
IP address:	199 . 199 . 199 . 1
Subnet mask:	255 , 255 , 255 , 0
Default gateway:	
Obtain DNS server address	automatically
Use the following DNS served	er addresses:
Preferred DNS server:	i i i
Alternate DNS server:	
	Advanced

/

2. DIRECT MODEM SET-UP FOR WINDOWS VISTA 32

- ► Go to Control Panel, Network and Sharing Center.
- ► Choose 'Set-up a Connection or Network' on the left.

	/			x
Control Panel >	Network and Sharing Center	✓ 4 Search		٩
Tasks View computers and devices Connect to a network Manage wireless networks Set up a connection or network Manage network connections Diagnose and repair	Network and Sharing Ce JEFFHADLEY (This computer)	nter Walchem.com	View full map	
	Walchem.com (Domain ne Access Connection For sharing and discovery t match the following settin	Local only Wireless Network Connection (Walchem) all Signal strength: Very good	Customize View status Disconnect r firewall program	Ш
See also Bluetooth Devices DW WLAN Card Utility Internet Options Symantec LiveUpdate Windows Firewall	Sharing and Discovery Network discovery File sharing Public folder sharing Printer sharing Media sharing	 On Off Off Off Off 	 > > > > > > > > > 	



- ► Choose 'No, create a new connection'
- ► Click 'Next'

Connect to a workplace	
Do you want to use a connection that you already have?	
No, create a new connection Yes, I'll choose an existing connection	
VPN Connection WAN Miniport (PPTP)	
Next	Cancel

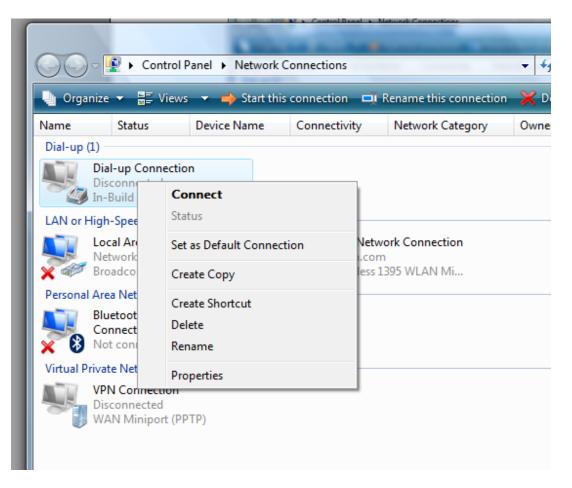
Step 4
► Choose 'Dial Directly'

Connect to a workplace	x
How do you want to connect?	
Use my Internet connection (VPN) Connect using a virtual private network (VPN) connection through the Internet.	
Dial directly Connect directly to a phone number without going through the Internet.	
What is a VPN connection?	
Cane	:el

- Add a phone number. (this can be changed whenever you use the adaptor.)
- ► Click 'Don't connect now...'
- ► Click 'Next'
- ► You do not need a username or password
- ► Click 'Next'

🚱 🙎 Connect to a workplac	e	
Type the telephone nu	mber to connect to	
Your network administrator of	an give you this information.	
<u>T</u> elephone number:	1-555-1212	Dialing Rules
D <u>e</u> stination name:	Dial-up Connection	
	o use this connection yone with access to this computer to use this conne ust set it up so I can connect later	ction.
	(Next Cancel

- ► Go to Control Panel and Network Connections.
- ▶ Right-click the connection you just created and click 'Properties'



- ► Click the 'Networking' tab
- ► Uncheck everything except the two TCP/IP options
- ► Highlight 'Internet Protocol Version 4 (TCP/IP 4)'
- ► Click 'Properties'

E	Dial-up Connection Properties
	General Options Security Networking Sharing
	This connection uses the following items:
	✓ Internet Protocol Version 6 (TCP/IPv6) ✓ Internet Protocol Version 4 (TCP/IPv4)
	 File and Printer Sharing for Microsoft Networks QoS Packet Scheduler
	Client for Microsoft Networks
	Install Image: Market and Market a
	Description
	Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
	OK Cancel
L	OK Cancel

Step 8

- ► Select 'Use the following IP address' and enter 199.199.199.4
- ► Click 'OK' to save the changes

Internet Protocol Version 4 (TCP/IPv4) Properties	? ×
General	
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.	
Obtain an IP address automatically	
O Use the following IP address:	
<u>I</u> P address: 199 . 199 . 199 . 4	
 Obtain DNS server address automatically Use the following DNS server addresses: 	
Preferred DNS server:	
Alternate DNS server:	
Advar	nced
ОК	Cancel

You're done!

QUICK START GUIDE Section 5: WINDOWS VISTA (64-bit)



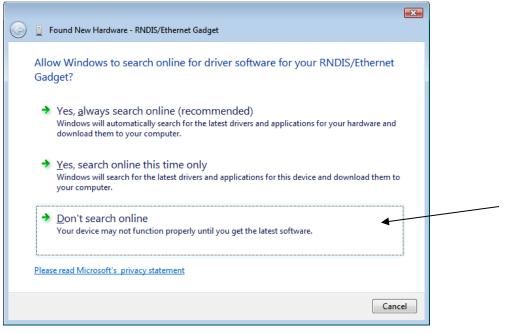
1. USB DRIVER INSTALLATION

2. DIRECT MODEM TO MODEM COMMUNICATIONS

1. USB DRIVER INSTALLATION FOR WINDOWS VISTA (64-BIT)

Step 1

- ▶ Plug the USB cable into the WebMaster/WebAlert and your computer.
- ► You will see this message on your screen.
- Click 'Don't search online'



Insert disc, click 'Next'
Found New Hardware - RNDIS/Ethernet Gadget
Insert the disc that came with your RNDIS/Ethernet Gadget
If you have the disc that came with your device, insert it now. Windows will automatically search the disc for driver software.
✤ I don't have the disc. Show me other options.
Next Cancel

Step 3

► Click 'Install this driver software anyway'

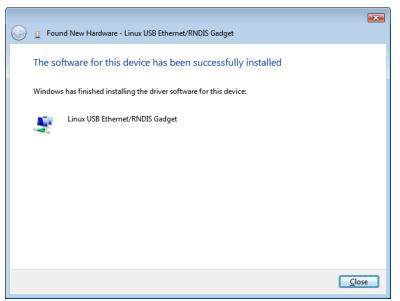
😵 Wind	lows	Security 💽
8	Win	dows can't verify the publisher of this driver software
	•	Don't install this driver software You should check your manufacturer's website for updated driver software for your device.
	•	Install this driver software anyway Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.
✓ Set	e <u>d</u> et	tails

► You will see this screen as the driver in installed

G	Found New Hardware - RNDIS/Ethernet Gadget
	Installing driver software

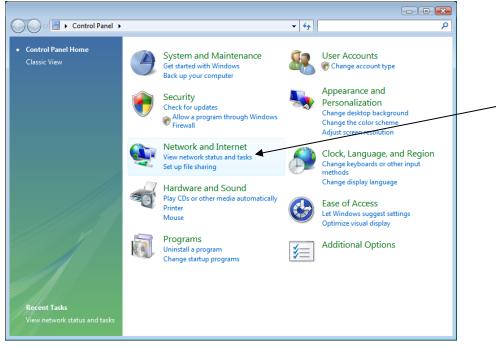
Step 4

► After the software is installed, you will see this screen, click 'Close'



Step 5

- Go to the Control Panel
- ▶ Under Network and Internet, click 'View Network Status and Tasks'



Step 6

► Click 'View Status' to the right of 'Local Area Connection 2'

😋 🕞 🗢 😫 🕨 Control Panel 🕨 I	Network and Internet Netwo	rk and Sharing Center	✓ Search	م
Tasks View computers and devices Connect to a network Set up a connection or network	Network and Sharing	Center	View full map	•
Manage network connections Diagnose and repair	VISTA64 (This compu		Internet	
	Walchem.com (Domain	network)	Customize	
	Access	Local and Internet		
	Connection	Local Area Connection	View status	E
	💐 Unidentified network ((Public network)	Customize	
	Access	Local only		
	Connection	Local Area Connection 2	View status	
	Sharing and Discovery			
	Network discovery	● Off	$\overline{\mathbf{v}}$	
	File sharing	● Off	$\overline{\mathbf{v}}$	
See also	Public folder sharing	© Off	$\overline{\mathbf{v}}$	
Internet Options	Printer sharing	Off (no printers installed)	$\overline{\mathbf{v}}$	
Windows Firewall	Media sharing	© Off	$\overline{\otimes}$	-

Step 7▶ Click 'Properties'

🖳 Local Area Connection 2 Status		×
General		
Connection		_
IPv4 Connectivity:	Local	
IPv6 Connectivity:	Limited	
Media State:	Enabled	
Duration:	00:04:33	
Speed:	9.7 Mbps	
Details		
Activity		-
Sent — 💵 —	Received	
Bytes: 0	590	
Properties Properties Diagnose]	
	Close	2

Step 8

► Highlight 'Internet Protocol Version 4 (TCP/IPv4)' and click 'Properties'

🎚 Local Area Connection 2 Properties 🛛 💌
Networking Sharing
Connect using:
Linux USB Ethemet/RNDIS Gadget
Configure
This connection uses the following items:
 Client for Microsoft Networks QoS Packet Scheduler File and Printer Sharing for Microsoft Networks Internet Protocol Version 6 (TCP/IPv6) Internet Protocol Version 4 (TCP/IPv4)
Install Uninstall Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

Step 9

- ► Select 'Use the following IP address'
- ► Enter 199.199199.1 for the IP address and 255.255.255.0 for subnet mask
- ► Click 'OK' and you're done!

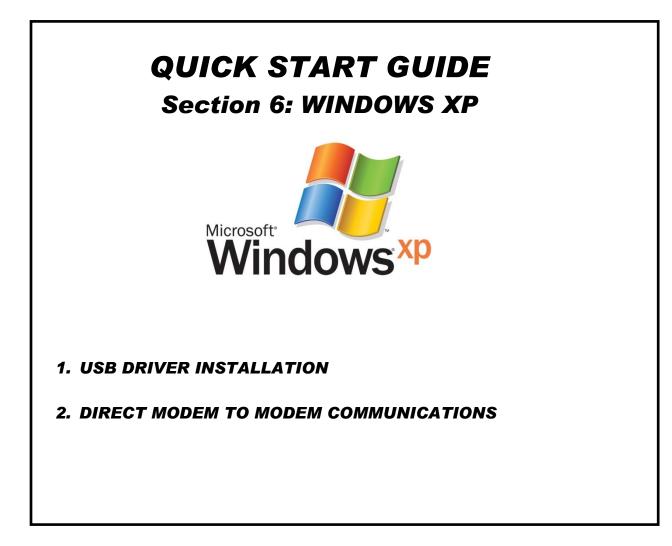
Internet Protocol Version 4 (TCP/IPv4)	Properties
General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	
Obtain an IP address automatical	у
• Use the following IP address:	
IP address:	199 . 199 . 199 . 1
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	· · ·
Obtain DNS server address autom	natically
• Use the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	• • •
	Ad <u>v</u> anced
	OK Cancel

Step 10

▶ Open your browser and type in 199.199.199.2 to access the WebMaster Login screen.

2. DIRECT MODEM SET-UP FOR WINDOWS VISTA 64

See Windows Vista 32 Direct Modem Set-up instructions



1. USB DRIVER INSTALLATION FOR WINDOWS XP

Before inserting the CD into your computer, follow Steps 1-3 below !!

Step 1

- Power up your computer and the WebMaster/WebAlert controller.
- Connect the supplied USB cable between the computer USB port and the WebMaster/ WebAlert USB port on the front panel.
- You'll see this 'Found New Hardware' message.



Step 2

Click 'No, not this time'Click 'Next'

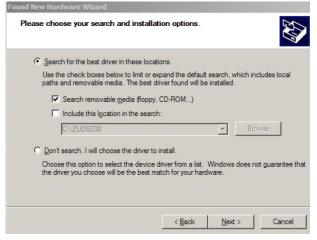


Step 3

- Click 'Install from a list of specific location'
- Click 'Next'

ound New Hardware Wizard	
	This wizard helps you install software for: RNDIS/Ethemet Gadget
	or floppy disk, insert it now.
	What do you want the wizard to do?
	C Install the software automatically (Recommended)
	 Install from a list or specific location (Advanced)
	Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

- ► Click 'Search for the best driver'
- Check the box next to 'Search removable media' and insert the CD supplied with your controller into the CD-ROM drive
- Click 'Next'



Step 5



Step 6

Click 'Finish'

► Repeat this procedure for each USB port on your computer that may be used for a connection.

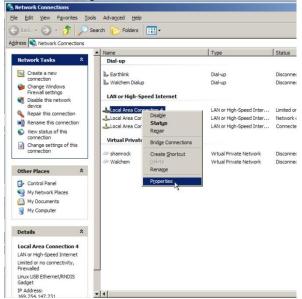


Step 7

- ► Click 'Start', then 'Connect to'
- ► Click 'Show all connections'



- Right-click the new 'Local Area Connection' (usually called #2)
- Click 'Properties'



Step 9

Step 9 ▶ Select 'Internet Protocol (TCP/IP)'	Step 10 ► Click 'Use the following IP address'
 Click 'Properties' 	► In the IP address box, type:
 Click 'Properties' Local Area Connection Properties General Advanced Connect using: Broadcom NetXtreme 57xx Gigabit C Configure This connection uses the following items: Client for Microsoft Networks Client for Microsoft Networks Client for Microsoft Networks Client File and Printer Sharing for Microsoft Networks Client Protocol (TCP/IP) Install 	 In the IP address box, type: 199.199.199.1 In the Subnet mask box, type: 255.255.255.0 Click 'OK' Internet Protocol (TCP/IP) Properties General 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. O Labtain an IP address automatically Use the following IP address:
	IP address: 199.199.199.1 Subnet mask: 255.255.0 Default gateway: . Obtain DNS server address automatically Obtain DNS server: Image: Address automatically Preferred DNS server: Image: Address automatically Alternate DNS server: Image: Address automatically OK

- ► Open Internet Explorer and type" 199.199.199.2 in the address bar
- ► This will give you direct access to the login page of the controller.
- ► From this point on, you will only need to connect the USB cable to the controller and type in that address to access the local connection to your controller.

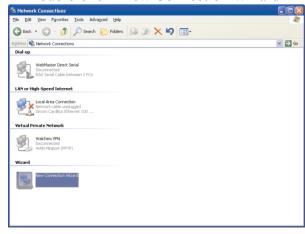
2. DIRECT MODEM SET-UP FOR WINDOWS XP

Create Direct Modem Dial-up Adapter

Step 1

 Return to Control Panel, Network Connections

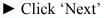
► Double-click 'New Connection Wizard'





Step 3

Select 'Connect to the network at my workplace'

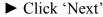


New Connection Wizard



Step 4

► Select 'Dial-up connection'



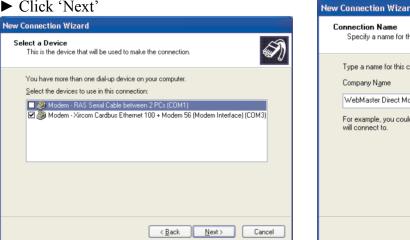


Step 5

- ► Check the appropriate modem
- ► Uncheck all the others
- ► Click 'Next'

Step 6

- ► Type an appropriate name for the connection
- ► Click 'Next'





Step 7

- ► Enter the phone number for the WebMaster/WebAlert controller you will be connecting to (include area code and '1' if necessary)
- ► Click 'Next'



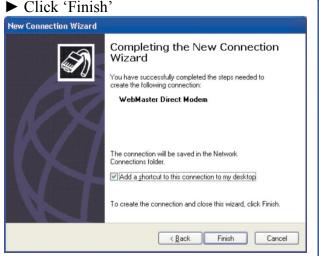
Step 8

► Select 'My use only' ► Click 'Next' New Connection Wizard Connection Availability S You can make the new connection available to any user or only to yourself A connection that is created for your use only is saved in your user account and is not available unless you are logged on. Create this connection for: ○ Anyone's use My use only < Back <u>N</u>ext > Cancel

Step 10

Step 9

Check the box next to 'Add a shortcut to this connection to my desktop'

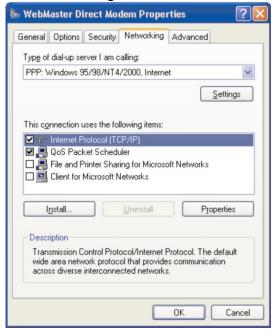




Step 11

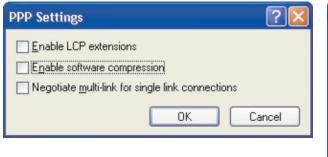
Click the 'Networking' tab 🖢 WebMaster Direct Modem Properties ? General Options Security Networking Advanced Connect using: 🗹 🥮 Modem - Xircom Cardbus Ethernet 100 + Modem 56 (🔲 🎒 Modem - RAS Serial Cable between 2 PCs (COM1) 1 > < All devices call the same numbers Configure... Phone number Area code: Phone number: 1-508-429-7433 Alternates Use dialing rules Dialing Rules Show icon in notification area when connected Cancel 0K

- Check the box next to 'Internet Protocol (TCP/IP)'
- ► Uncheck all the other boxes
- ► Click 'Settings'



Step 13

- ► Uncheck all three options
- ► Click 'OK'



Step 14

- ► Highlight 'Internet Protocol (TCP/IP)'
- ► Click 'Properties'



Step 15

- ► Select 'Use the following IP address'
- ► Enter the IP address: 199.199.199.4
- ► Click 'Advanced'

ou can get IP settings assigned apports this capability. Otherwise dministrator for the appropriate II	e, you need to ask your network
) Obtain an IP address autom	-
Use the following IP address	
P address:	199.199.199.4
0 <u>b</u> tain DNS server address Use the following DNS serve	
Use the following DNS server Preferred DNS server:	
 Obtain DNS server address Use the following DNS server Preferred DNS server: Alternate DNS server: 	er addresses:

Step 16

- Uncheck both boxes
- Click 'OK' until you are back at the 'Connect WebMaster Direct Modem'

screen

Advanced TCP/IP Settings	$\left \times \right $
General DNS WINS	
This checkbox only applies when you are connected to a local network and a dial-up network simultaneously. When checked, data that cannot be sent on the local network is forwarded to the dial-up network.	
Use default gateway on remote network	
PPP link	
OK Cancel	

Step 17

Click 'Ca	ancel'
Connect WebA	laster Direct Modem 🛛 🛛 🛛 🛛
<u>U</u> ser name:	RTorcellini
Password:	
Me only	er name and password for the following users: who uses this computer
Djal:	1-508-429-7433
<u>D</u> ial	Cancel Properties Help

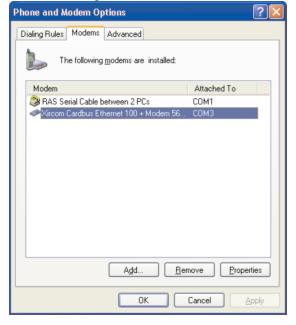
Step 18

- Return to the Control Panel and doubleclick 'Phone and Modem Options'
- ► Click the 'Modems' tab

ialing Rules Modems	Advanced
The list below di location from wh	isplays the locations you have specified. Select iich you are dialing.
Location	Area Code
New Location	508
	New Edit Delete

Step 19

- ► Highlight the modem to be used
- Click 'Properties'

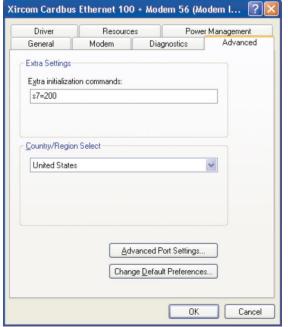


Step 20▶ Click the 'Advanced' tab



Step 21

- In the 'Extra Initialization commands' box, enter 'S7=200'
- Click 'Change Default Preferences'



Step 23 ► Click 'OK'

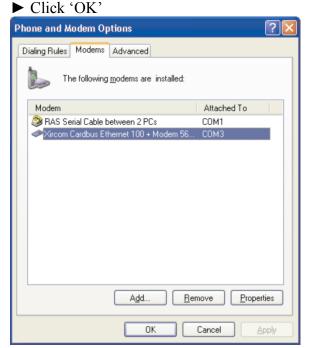
Driver	Resources	Resources Power	
General	Modem	Diagnostics	Advanced
Extra Settings Extra initializa	tion commands:		
- s7=200			
Country/Regio			~
	Adva	nced Port Settings	
	Change	Default Preference	s

Step 22

► Enter '180' in ''Cancel the call if not connected within' box

► Click 'OK'

Call preferences		
Disconnect a ca	all if idle for more than	30 min
<u>C</u> ancel the call	if not connected withir	n 180 sec
<u>P</u> ort speed: D <u>a</u> ta Protocol:	115200 Standard EC	*
Comp <u>r</u> ession:	Enabled	~
Elow control:	Hardware	~



QUICK START GUIDE

Section 7: MAC (OS Lion)



1. USB DRIVER INSTALLATION

1. USB INSTALLATION FOR MAC Step 1

▶ With the USB cable plugged into the computer and controller, go to System Preferences and click on Network:



Quick Start Guide SECTION 7: MAC OSX

00	Network	
▲ ▶ Show All		Q
Loca	ation: Automatic	\$
• Wi-Fi Connected	Status: Connect	
e RNDIS/Gadget		onnected to ShortBear and has the 5 192.168.1.105.
Ethernet Not Connected	Network Name: ShortBe	ear ÷
• FireWire Service Service FireWire	Known If no kn	o join new networks networks will be joined automatically. own networks are available, you will d before joining a new network.
+ - * -	🗹 Show Wi-Fi status in menu	bar Advanced
Click the lock to prevent	further changes	t me Revert Apply

Quick Start Guide SECTION 7: MAC OSX

Step 3

Select Manually for Configure IPv4. IP address should be 199.199.199.1. Subnet Mask should be 255.255.254.0. Click Apply.

● ○ ○ ■ ▶ Show All	Network	Q	
L	ocation: Automatic	\$	
Wi-Fi Image: Connected RNDIS/Gadget Image: Connected	Status:	Connected RNDIS/Ethernet Gadget is currently acti and has the IP address 199.199.199.1	
Ethernet Not Connected FireWire Not Connected	Configure IPv4: IP Address: Subnet Mask: Router: DNS Server: Search Domains:	199.199.199.1	¢]
+ - * •	nt further changes.	Advance Assist me Revert	d ? Apply

Step 4

▶ Open Web browser (Internet Explorer, Firefox, Safari, Chrome, etc.) and type in 199.199.199.2 in the address bar to open the login screen.

Section 8: CHECK BROWSER SETTINGS

Step 1

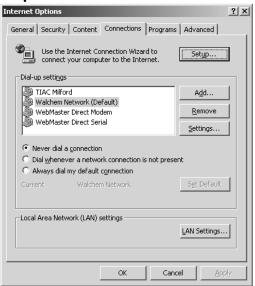


- ► Click 'Tools' from the top menu bar
- Select 'Internet Options' from the drop down menu

Step 2



► Click the 'Connections' tab



- Click 'Never dial a connection'
 Click 'OK'
- Check Old

Quick Start Guide Section 8: TROUBLESHOOTING THE USB CONNECTION

Section 9: Troubleshooting the USB connection

The problem: You connect to the Webmaster with your USB cable, open your browser, type in the IP address 199.199.199.2, and the *Login Page* doesn't load. What do you do?

1. First, when you plug the cable in, you should see "Device can perform faster on a USB 2.0 port...." message.



If you see this, then go to your Network Connections on your computer. Under "LAN or High Speed Connection", you should see Local Area Connection 2 (it may be Local Area Connection 3, or some other number). It should be connected, and the connection time moving. If you see this, then you're connected.

2. Right-click on Properties. Highlight TCP-IP (in Vista, it will be TCP-IP-v4), and click Properties. The IP address should be 199.199.199.1, and the subnet mask should be 255.255.255.0.

Local Area Connection 4 Properties	Disgress this connection	on 🛛 Call Rename this i	consection P
Networking Sharing	rk Category Own	er Type	Phone # or Host Add
- Accession in the second seco			
Connect using			
2 Linux USB Ethemet/RNDIS Gedget	MDC V		
Configure			
This connection uses the following terms	pn4 V	Vireless Network Conn	ection
Clent for Morosoft Networks	Internet Protocol Version 4 (TCP)	(IPv4) Properties	-9-93
R Brie and Printer Sharing for Microsoft Networks	File and Preter Shaing for Microsoft Networks. File and Preter Shaing for Microsoft Networks. File and Protocol Version 6 (TCP/IPv6) File and Protocol Version 6 (
😢 🕂 Link-Layer Topology Discovery Mapper L/O Driver			
😒 🕂 Link-Layer Topology Discovery Responder			
and the second s	Obtain an P address autor a Use the following P address		
Vetal Uninstal Property Description	P address:	199 . 199 . 19	
Transmission Control Protocol/Internet Protocol. The defay	Subnet mask:	255.255.25	
wide area network protocol that provides communication across diverse interconnected networks.		1000-000-000	1000
CK C	Default gateway:		
	C Optan Dhi5 server address	autonatically	
	Use the following DNS service	er addresses:	
	Preferred DNS server:		
	Alternate DNS server:	¥ 5	10 I

3. If you don't get the message "This device can perform faster", or if you don't see the Local Area Connection 2, then unplug your USB cable, wait 3 minutes, and plug back in.

Quick Start Guide Section 8: TROUBLESHOOTING THE USB CONNECTION

- 4. If waiting 3 minutes and plugging the USB cable back in doesn't work, re-boot both computer and controller.
- 5. If this doesn't work, read the tips below:

Scenario	Cause	Corrective Action
5	Driver not installed	Install driver
Found Wizard	Driver installed on another USB port	Move cable to the other port
Connection worked normally, but after removing cable and plugging it back in after a minute, can't reconnect. Get "this device can work faster" message but No 'Local Area Connection 2' appears.	Driver in PC has not reset	Unplug cable and wait for 5 minutes, or reboot PC
message when cable is connected. Local Area Connection 2 says it's connected but time is stuck at 0:00.		Reboot PC. May require a hard reboot if a blue screen appears on restart attempt.
	Driver in PC is corrupt	Uninstall and reinstall the driver
No "this device can work faster" message when cable is connected,		Replace CI board
No Local Area Connection 2		Put tape between grommet and CI board, or
	only)	remove grommet
		Replace USB cable
		Install two p/n 103608 ferrite clamps on the DC output cable of the power supply
	PC does not recognize all USB 1.0 devices	Install a 2.0 USB hub between PC and cable
Get "this device can work faster" message when cable is connected, but No Local Area Connection 2	Driver installed improperly	Uninstall and reinstall driver
Get "this device can work faster" message when cable is connected, get Local Area Connection 2, but it can't be enabled	Faulty USB cable	Replace USB cable
		Properly shield all I/O cables. Ensure proper earth ground connection to controller.
Get "this device can work faster" message, Local Area Connection 2 appears, but when 199.199.199.2 is entered in the browser you get "The page cannot be displayed"	fixed IP address	Enter 'Local Area Connection 2' properties and enter fixed IP address of 199.199.199.1 as described in Quick Start Guide