

#### Touchstone<sup>®</sup> WBM760 Wideband Cable Modem User's Guide

Get ready to experience the Internet's express lane! Whether you're checking out streaming media, downloading new software, or checking your email, the Touchstone WBM760 Wideband Cable Modem brings it all to you faster and more reliably. The high-speed, always-on connection won't keep you waiting.

The Touchstone Wideband Cable Modem provides an Ethernet connection for use with either a single computer or home/office Local Area Network (LAN). Some Wideband Cable Modems also provide a USB 2.0 connection. You can connect two separate computers at the same time using both of these connections.

Installation is simple and your cable company will provide assistance to you for any special requirements.

The links below provide more detailed instructions.

#### Safety Requirements

Getting Started

Installing and Connecting Your Wideband Cable Modem

Installing USB Drivers on Your PC

Configuring Your Ethernet Connection

Using the Wideband Cable Modem

**Troubleshooting** 

<u>Glossary</u>

#### **Export Regulations**

This product may not be exported outside the U.S. and Canada without U.S. Department of Commerce, Bureau of Export Administration authorization. Any export or re-export by the purchaser, directly or indirectly, in contravention of U.S. Export Administration Regulation is prohibited.

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Protected under one or more of the following U.S. patents: 7,031,453. Other patents pending.

ARSVD01212 Release 7 Standard 2.0 February 2009

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary	

#### Safety Requirements

ARRIS Wideband Cable Modems comply with the applicable requirements for performance, construction, labeling, and information when used as outlined below:



CAUTION Risk of shock

Mains voltages inside this unit. No user serviceable parts inside. Refer service to qualified personnel only!



CAUTION

Risk of damage

To prevent overheating your Wideband Cable Modem, do not block the ventilation holes on the unit.

Do not locate the equipment within 6 feet (1.9m) of a flame or ignition source (e.g. heat registers, space heaters, fireplaces, etc.).

- Do not use product near water (i.e. wet basement, bathtub, sink or near a swimming pool, etc.), to avoid risk of electrocution.
- Avoid using and/or connecting the equipment during an electrical storm, to avoid risk of electrocution.
- Use only power supply and power cord included with the equipment.
- Equipment should be installed near the power outlet and should be easily accessible.
- The shield of the coaxial cable must be connected to earth (grounded) at the entrance to the building in accordance with applicable national electrical installation codes. In the U.S., this is required by NFPA 70 (National Electrical Code) Article 820. In the European Union and in certain other countries, CATV installation equipotential bonding requirements are specified in IEC 60728-11, *Cable networks for television signals, sound signals and interactive services, Part 11: Safety.* This equipment is intended to be installed in accordance with the requirements of IEC 60728-11 for safe operation.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
				If the equipment is to network, as is found ir given that the installat Annex B and Figure B.	n many areas ion is in acco	of Norway, special att	ention should be
			•	In areas of high surge to lightning strikes, a PF11VNT3 from Ameri lines.	additional su	rge protection may b	e required (i.e.
			•	When the Wideband Ca USB or Ethernet cable building/residence AC g must be properly inst manufacturer's specific	s, the compu ground netwo alled and gro	iter must be properly rk. All plug-in cards wit	grounded to the hin the computer
			•	Do not use spray clear	ers or aeroso	ols on the Wideband Ca	ble Modem.
			•	Clean the Wideband Ca	able Modem o	only with a dry cloth.	
			Rad	io Frequency Er	missions	and Immunity	
			Unite	d States Compliance			
			lowing this de	evice complies with par- g two conditions: (1) Thi evice must accept any ir undesired operation.	s device may	not cause harmful inte	rference, and (2)

Product Safety

UL listed per UL60950.

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#### European Compliance

CE

This product complies with the provisions of the Electromagnetic Compatibility (EMC) Directive (89/336/EEC), the Amending Directive (92/31/EEC), the Low Voltage Directive (73/23/EEC), and the CE Marking Directive (93/68/EEC). As such, this product bears the CE marking in accordance with the above applicable Directive(s).

A copy of the Declaration of Conformity may be obtained from: ARRIS International, Inc., 3871 Lakefield Drive, Suite 300, Suwanee, GA 30024.



As indicated by this symbol, disposal of this product is governed by Directive 2002/96/EC of the European Parliament and of the Council on waste electrical and electronic equipment (WEEE). WEEE could potentially prove harmful to the environment; as such, upon disposal of the Wideband Cable Modem the Directive requires that this product must not be disposed as unsorted municipal waste, but rather collected separately and disposed of in accordance with local WEEE ordinances.

This product complies with directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment.



Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Gett	ing Started	k		
			Abou	t Your New W	ideband	Cable Modem	
				chstone WBM760 Wid nt with the following fo		Modem is DOCSIS® or	r Euro-DOCSIS™
			• 5	Speed: much faster the	an dialup or I	SDN service	
				Convenience: supports used simultaneously	s USB 2.0 (if	equipped) and Etherr	net; both can be
				Texibility: provides h DOCSIS 3.0 data servi		OCSIS 2.0 data servi	ice or wideband
				Compatibility: suppor company)	ts tiered da	ta services (if offered	l by your cable
			What	's in the Box?			
				re you have the follow stance if anything is m		ore proceeding. Call you	Ir cable company
			• V	Videband Cable Moder	n		
			• P	Power Cord			
			• (	Quick Installation Guid	е		
			• [	JSB Cable (if the Wide	band Cable N	lodem has a USB port)	
			• E	thernet Cable			
			• (	CD-ROM (if the Wideba	and Cable Mo	dem has a USB port)	
			• 5	Screws for Wall Mounti	ng the Unit		
			• E	and User License Agree	ement		



tions.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Syste	em Requireme	nts		
			lowing d	lescribes requirement	s for each op	perates with most con erating system; see th I configuring networkin	e documentation
				ne Wideband Cable Mo your cable company.	dem, you nee	d DOCSIS 3.0 high-spe	ed Internet serv-
			Recomr	mended Hardware			
			not mee		can still work	e minimum recommer with the WBM760, but	
			CPU: P4	, 3GHz or faster			
			RAM: 10	GB or greater			
			Hard dri	ve: 7200 RPM or faste	er		
			Ethernet	t: Gig-E (1000BaseT)			
			Windov	VS			
				t connection: Windows s 2000, Windows XP, (		s 98 SE (Second Editio 'ista	n), Windows ME,
			USB con	nection (if equipped):	Windows 20	00, Windows XP, or Wi	ndows Vista
			Note:	window size of 256	KB (the XP de	nould be configured wi efault is 64 KB). The TC e.net, can be used to m	P Optimizer pro-
			MacOS				
			Ethernet	t connection only: Ma	COS X		
			Linux/c	other Unix			
			Ethernet the kern	5	dware drivers	s, TCP/IP, and DHCP mi	ust be enabled in

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			What	About Securit	y?		
			amount reasonat	of responsibility to ot	ner Internet i nile no syster	ion to the Internet re users—including the ne m is 100% secure, you 'ity:	ed to maintain a
				eep your operating synemics and synthesis an		ed with the latest secur eekly.	rity patches. Run
			ti		mail containi	vith the latest security ng attachments, or op sible.	
			• Ir	nstall a virus checker	and keep it u	ipdated.	
			N h	lodem. Besides certai	n vulnerabilit n consumer-le	g services over your y problems, most cable evel accounts and may rvice.	e companies pro-
			• U	se the cable company	's mail serve	rs for sending email.	
			a n ir ci	buse by other Interne als can take advantag ng into other compute	et users (som je of open pro rs or sending	you are certain that i ne are shipped open by oxies to hide their iden spam. If you have an account to protect the	/ default). Crimi- itity when break- open proxy, your
			y Si	ou enable security an ons that you should ru	d encryption In only secur	e Modem to a wireless on the wireless hub (f ed proxies). Consult th s equipment provider f	or the same rea- e documentation

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
				alling and eband Cab		0	
			Before y	ou start, make sure	that:		
				ou have contacted yo ervice using standard		pany and verified that technology.	they provide data
			• Y	ou have all the <u>Item</u>	<u>s You Need</u> .		
						le near the computer. e company can install	
			0			ality RG-6 type coax ca e cable jack and the	
			Note:	To prevent overhe ventilation holes o		deband Cable Modem	, do not block the
			Cable Mo		You need only	ompany should configues follow the instructions odem.	

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
Safety	Started	Installation	Drivers Fror The fro A B		ble Modem pr ether AC pow am connectiv d or ultra-hig n connectivity d or ultra-hig met data tran itus of an Eth-	rovides the following ind er is available to the ity. The DS light may be h speed connection. /. The US light may be h speed connection. smission status ernet (all models) or U Cable Modem and con	dicators. Wideband Cable e yellow or green e yellow or green SB (if equipped) nputer. The Link
A R R R R R R R R R R R R R R R R R R R	uan			Connection.			

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
				Panel			
			The rear	of the Wideband Cab	le Modem ha	s the following connect	ors and controls:
						Cable Modem as if you bject to press this butt	
				<u>Ethernet</u> connector (ye onnection.	ellow): for use	e with a computer or ho	ome network LAN
	1			<u>JSB</u> connector (if equ ion.	ipped) (blue)	: for use with a compu	iter USB connec-
			DC	Cable: connector for th	ne <u>coax cable</u>		
	$\mathbf{O}$		E P	Power: connector for t	he power cor	d.	

Gett Safety Star		USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
		Mounti	ing the Wideb	and Cab	le Modem	
		top. For w	all-mount application	s, you can m	Modem on a wall or planount the Wideband Ca the side (horizontal).	
		Tools and	d Materials			
			nounted installations, e proceeding:	make sure y	you have the following	tools and mate-
		• scr use	-	or Phillips, d	epending on what kir	nd of screws you
		• wal	ll-mount template (in	cluded)		
		• trai wal		emporarily se	ecuring the mounting	template to the
			mounting on drywall " (6mm) bit (not incl		6mm) drywall anchors	s and a drill with
					two #6 x 1.5" (38.1 r e approximately 6mm	
		Location				
		Always pos	sition the Wideband (	Cable Modem	1:	
Indicator Lights		ator Wit	hin 1.3m (4 feet) of a hout stretching and v		The power cord must ng extension cords.	reach the outlet
Ligino	Ligh	• wit	h the indicator lights	facing up or	to the right as shown	
		• nea	ar a cable outlet (to a	void long cal	ble runs).	
		• who	ere the ventilation ho	les on the u	nit will not be blocked	
					quality RG-6 type coax een the cable jack ar	

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Inst	ructions			
			Wall-r	mounting instructions	5		
			Note:	the modem so at le may prevent the W	east one of t ideband Cabl nt overheatir	Cable Modem on drywa he screws are fastene le Modem from pulling ng, do not block the ve	ed to a stud. This out of the wall in
ARRIS	Tour Former' Tour Statement Sector Annual Statements	The second secon	1	Position the mounting the Wideband Cable Mo			
E Constantino de la constant		A Restaurant of the second sec	2	Drill holes through the screws. After drilling he			0
			3	If using drywall anchor the wall leaving a gap the wall. If not using a	of about 1/8	" (3 mm) between the	
	Step 1	Step 2	4	Orient the Wideband ( right, as desired. Slip Cable Modem) over the end of the keyhole slot	both mounti e screws, the	ing slots (in the back en slide the case down	of the Wideband
			5	Proceed to Connecting	the Wideban	d Cable Modem.	
	*		Deskt	op mounting instruct	ions		
			1	Position the Wideband	Cable Moden	n so that:	
	Step 3	Stop 4		air flows freely arou			
	Step 5	Step 4		the back faces the	nearest wall		

- it will not fall to the floor if bumped or moved
- 2 Proceed to Connecting the Wideband Cable Modem.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Con	necting the Wid	deband C	able Modem	
			1	Connect one end of the other end to the Widek connections by hand, t	and Cable Mo	odem's Cable connector	(C). Tighten the
				Note: For best performation or eliminate splitters betw		-quality RG-6 type coax c a jack and the Wideband (	
			2	Insert the plug from th the power cord into a c		into the Power connect C outlet.	or (D) and insert
				0		Wideband Cable Moden <u>oting</u> if the Power light o	0 1

- 3 After connecting the coax cable and power, proceed as needed:
  - Making Ethernet Connections OR •
  - Making USB Connections (if equipped)
- Note: Do not connect the same computer to both the Ethernet and USB ports.

#### Making Ethernet Connections

4 Connect one end of the yellow Ethernet cable to the yellow port on the back of the Wideband Cable Modem labeled "Ethernet," (B) and the other end to the Ethernet port on a computer, hub, or broadband router. Recommended connections are 100Base-T or 1000 Base-T to achieve best performance.

Note: If you are connecting to a computer, use the Ethernet cable included in the Wideband Cable Modem package unless it is too short. Longer Ethernet cables are available from any computer retailer. To avoid reduced data throughput performance, do not connect the Wideband Cable Modem to a 10Mbps device.

#### Making USB Connections

5 (Wideband Cable Modems with USB ports only) Connect one end of the blue USB cable to the USB port on the computer, and the other end to the USB port on the back of the Wideband Cable Modem (C).

Your computer should detect the Wideband Cable Modem and begin installing the drivers. See Installing USB Drivers on Your PC for driver installation details.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Insta	lling USB	Drivers	s on Your P	С
						i into the PC's USB por installing the USB driv	
				dure does not explainitiate actual service		ovision the Wideband	Cable Modem or
				st USB drivers a w.arrisi.com/suppor		entation are availa I <mark>sp</mark>	ble on line at
			Note:	Not all Wideband C	able Modems	are equipped with a L	ISB port.
			Requir	ements			
			Make sure	you have the follow	ving before at	tempting to install the	USB drivers:
			• PC w	ith:			
			_	CD-ROM drive			
			_	at least one free US	SB port		
				one of: Windows 2 Windows 98, and W		vs XP, or Windows Vis re not supported)	ta (Windows 95,
			—	ARRIS USB Driver	CD		
				B <u>A/B Cable</u> of appr ble Modem package		n (a cable is included i	n your Wideband
				r installations not us mation	ing DHCP) IP	address, subnet, gate	way, and DNS in-
			Install	ation Instruc	ctions		
			Select the	link for your operat	ing system to	see the installation in	structions.
			• <u>Ins</u>	talling USB Drivers	on Windows 2	2000	
			• <u>Ins</u>	talling USB Drivers	on Windows >	<u>KP</u>	
			• <u>Ins</u>	talling USB Drivers	on Windows \	<u>/ista</u>	

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Inst	alling USB Driv	ers on W	/indows 2000	
			Follow	these steps to install L	JSB drivers or	n Windows 2000.	
			1	Make sure the Wideba If not, connect the AC <u>Cable Modem</u> .		em is on (the Power lig described in <u>Connectir</u>	
			2	Insert the CD that can CD-ROM drive.	ne with the W	ideband Cable Modem	package into the
			3	Plug the appropriate e and the other end into			ind Cable Modem
				The following window USB device:	appears, ind	icating that the PC has	s detected a new
				Found New Hardware ARRIS RNDIS Adapter Please wait			
			4	Wait for the system to window (there may be			play the following
				Hardware	os you install a device driver for		

Next >

Cancel

To continue, click Next.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary	

#### 5 Click the Next button.

The wizard prompts you for the location of the drivers.



Note: The dialog indicates that the wizard is looking for the ARRIS RNDIS (Remote Network Device Interface Specification) driver for the Wideband Cable Modem.

6 Select "Search for a suitable driver for my device", unless you want to use the second option to choose a specific driver, then click the Next button.

The wizard displays a list of search options.



Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			7	Make sure the CD-RO button.	M option is s	elected (checked), the	n click the Next
				The wizard searches the name of the appropriation of the appropriation of the appropriation of the second s		ocations, then displays	the location and
				Found New Hardware Wizard Driver Files Search Results The wizard has finished searching for driver	files for your hardware device.		
				The wizard found a driver for the following d	evice:		
				Windows found a driver for this device. To i	nstall the driver Windows found	, click Next.	
				d'\attmusb.inf			
					< Back Next >	Cancel	

Note: If the wizard can not find the CD drive, and the CD is inserted properly, follow these steps:

- On the Windows desktop, open "My Computer" and note the letter of the Compact Disc (or CD-ROM) drive (on most systems, the CD drive is at D: or E:)
- b. Return to the Found New Hardware Wizard, and click the Back button.

The wizard displays the previous screen, shown in step 6.

- c. Select "Specify a Location," then choose the drive letter that corresponds to the CD drive from the menu.
- d. Click the Next button.

You should now see the screen shown above. If not, contact your cable company for help.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

#### 8 Click the Next button.

The wizard installs the drivers, then displays a window indicating that the installation is complete.



9 Click the Finish button.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Insta	alling USB Dri	vers on W	/indows XP	
			Follow	these steps to install	USB drivers or	n Windows XP.	
						em is on (the Power lig described in <u>Connectin</u>	
				Insert the CD that ca CD-ROM drive.	me with the W	/ideband Cable Modem	package into the
				Plug the appropriate and the other end in		B cable into the Wideba er's USB port.	and Cable Modem
				The following window USB device:	v appears, ind	icating that the PC has	s detected a new
				Hard This w ARI	Come to the Found tware Wizard zard helps you install software f RIS RNDIS Adapter If your hardware came wi or floppy disk, insert it no lo you want the wizard to do? Install the software automatical Install from a list or specific loca exit to continue.	ior: ith an installation CD ww.	

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

#### 4 Click the Next button.

The wizard begins searching for and installing the drivers, then displays a window indicating that the installation is complete.



5 Click the Finish button.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Insta	lling USB Driv	ers on W	/indows Vista	
			Follow th	nese steps to install U	SB drivers or	Windows Vista.	
			Installi	ng Touchstone USB	Drivers on '	Vista in 32-bit Mode	
			Widebar		able Modem.	ly connect your PC to The Vista Hardware In alls it for you.	
			Installi	ng Touchstone USB	Drivers on '	Vista in 64-bit Mode	
				unning Vista in 64-bit ollow these steps to c		must install an update tall the driver.	ed Vista USB 1.
				Download the zipped ' Dowing link:	Vista USB dri	ver from the ARRIS we	ebsite at the fo
			<u>h</u>	ttp://www.arrisi.com	/support/usb/	<u>'index.asp</u>	
				Inzip the files to a direnstallation of the USB		be referenced later (S	tep 8) during th
				Connect the USB cable Cable Modem and pers		Touchstone Cable Moder running Vista.	lem or Wideban
				Vhen the Found New I nstall driver software		een is presented, selected)" option.	the "Locate ar
				Found New Hardware		×	
				Windows needs to install driver soft RNDIS Adapter	ware for your ARRIS		
				Locate and install driver softwar Windows will guide you through the proof for your device.		e	
				<ul> <li>Ask me again later Windows will ask again the next time you</li> </ul>	a plug in your device or log or		
				Don't show this message again Your device will not function until you in:			
					Cance		

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

- 5 When you see a window with the heading "Windows needs your permission to continue," click Continue to proceed.
- 6 Vista tries to locate the new USB driver, and displays a "Installing device driver software" at the bottom right of the screen. Vista will not find the driver, and displays the following window. At the prompt, select I don't have the disc. Show me other options.



7 Select Browse my computer for driver software (advanced).



Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary	

8 Browse to the directory that you set up in step 2. Select Next.



9 Once Vista finds the driver software in the directory specified in step 8, installation is in progress as shown below.



	Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
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10 The Found New Hardware wizard should display the following screen when the USB driver has been successfully installed. Select Close.



11 Once the installation is completed successfully, Vista displays an icon with the message "ARRIS TOUCHSTONE DEVICE, Device driver software installed successfully" at the bottom right corner of the screen.



Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Remo	ving USB Driv	/ers		
				5		USB drivers. The 64-bi ndows use a single utili	
			Removii	ng USB Drivers (all	but 64-bit v	Vista)	
			the ARR that does you mus	S driver installation not properly support first remove the co	CD, Window the Wideban mposite drive	n USB to your computer s may install a "compo Id Cable Modem. To corr r using the Remove util o use the Remove utilit	besite" USB driver rect this problem, lity on the ARRIS
			1 Ir	nsert the ARRIS drive	er installation	CD.	
			2 N	avigate to the CD dri	ve:		
				TMS02 Rev 1_0 (bc) File Edit View Favorites Tools Help → Back → → → → → → → → → → → → → → → → → → →	enu_full TM502B Quick. A.pdf TM502G Quick Sub8023k.sys sub8023m.sys sub8023m.sys sub8023w.sys sub8023w.sys s	Install.pdf	

🔲 Used: 23.8 MB Free: 0 bytes

•

- 🖳 My Computer 17 object(s) 23.5 MB
- 3 Start the Remove utility by double-clicking it in the window.

The Remove utility prompts you to click OK to remove the USB driver, or Cancel to quit.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary	
								_

#### 4 Click the OK button.

The Remove utility displays the following message:



5 Leave the CD in the drive, reconnect the Wideband Cable Modem, and install the USB driver as appropriate for your operating system.

Removing USB Drivers (64-bit Vista)

Follow these steps to uninstall the 64-bit USB driver, if necessary.

1 If you no longer have the USB driver, download the zipped Vista USB driver from the ARRIS website at the following link:

http://www.arrisi.com/support/usb/index.asp

- 2 If necessary, unzip the files to a directory that can be accessed for the uninstallation.
- 3 Connect the USB cable between the Touchstone Cable Modem or Wideband Cable Modem and personal computer running Vista.
- 4 Open the directory created in step 2 (or during the original driver installation, if you kept it).
- 5 Locate the file remove.exe.
- 6 Right-click on the remove.exe file, and select Run as administrator from the drop-down menu. Enter the administrator password, if prompted.
- 7 Follow the instructions as prompted to remove the driver.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Conf	figuring Yo	ur Ethe	ernet Conne	ection

If your computer is equipped with a LAN card providing an Ethernet connection, you may have to configure your computer's TCP/IP settings. The steps that follow will guide you through setting your computer's TCP/IP settings to work with the Wideband Cable Modem.

#### Requirements

Make sure you have the following before attempting to configure your Ethernet connection:

- Computer with:
  - one of: Windows 98SE, Windows 2000, Windows ME, Windows XP, or Windows Vista
  - Ethernet interface
- Ethernet cable (supplied)
- IP address, subnet, gateway, and DNS information for installations not using DHCP

#### How to use this chapter

The following list shows the procedures for modifying the TCP/IP settings on the computer. The procedure is slightly different depending on the operating system that you are using. Please ensure you are using the correct steps for the operating system on your computer. Follow the links below for instructions to configure your ethernet connection on your operating system.

- <u>TCP/IP Configuration for Windows 98SE</u>
- TCP/IP Configuration for Windows 2000
- <u>TCP/IP Configuration for Windows ME</u>
- <u>TCP/IP Configuration for Windows XP</u>
- <u>TCP/IP Configuration for Windows Vista</u>
- <u>TCP/IP Configuration for MacOS X</u>

	Cotting		USB	[thorp	<b>_</b> +			
Safety	Getting Started	Installation	Drivers	Etherne Configura		Usage	Troubleshoo	ting Glossary
			TCP/	/IP Config	uratior	n for V	Vindows 98	SE
			Follow system		configure t	he TCP/II	P settings on a W	/indows 98SE operating
			Note:	Dialog boxe shown in th			computer may di	ffer slightly from those
			1	From the comp	uter, selec	t Start >	Settings > Con	itrol Panel.
			2	Double click on	the Netw	ork icon	in the Control Pa	nel.
				Control Panel  File Edit View Go Favorite  Factor Forward Up  Address @ Control Panel  Network Configures network hardware and software.  Microsoft Home Technical Support  1 object(s) selected	Image: Constraint of the constr	we Add/Remove I Programs I Game controllers M Game dia Reyboard M Metwork C So So Regional Setings	Delete Properties Views Delete Properties Views Date/Time Display NSP56 Intel® Intel® Intel® Intel® Intel® Intel® Sounds Passwords Views Sounds Symantec LiveUpdate	

3 Click the Configuration tab in the Network window to display the list of Network Adapters.

	Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
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4 Highlight TCP/IP by clicking on it one time, then click on Properties.



5 Click the IP Address tab, click Obtain an IP address automatically, then click OK.



- 6 Click OK to accept the new settings, and OK again to close the Configuration window.
- 7 You may have to restart your computer in order for your computer to obtain a new IP address from the network.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			TCP	/IP Configurat	ion for W	indows 2000/	
			Follow syster		ire the TCP/IP	settings on a Window	s 2000 operating
			Note:	Dialog boxes show shown in this proc		omputer may differ slig	ghtly from those
			1	From the computer, se nections > Local Ar		Settings > Network a on.	nd Dial-up Con-
			2	In the Local Area Conr ing on it one time, the		rties window, highlight operties.	TCP/IP by click-
					Ethernet card	han one Ethernet card, in the Connect using:	
				Local Area Connection 2 Properties         General         Connect using:         Stoom Cardbus Ethernet 100 + Moden 55 (Ethernet 000 + Moden 55)         Components checkled are used by this connection:         Control Other Networks         Control Photocol Internet Networks         Install       Uninstall         Description         Transmission Control Photocol/Internet Photocol. The dwide area network protocol internet Networks         Show icon in taskbas when connected         DK	rfigure rfiss		

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

3 Click Obtain an IP address automatically and Obtain DNS server address automatically, then click OK.

In	ternet Protocol (TCP/IP) Pre	operties 1
	General	
	You can get IP settings assigne this capability. Otherwise, you in the appropriate IP settings.	ed automatically if your network supports eed to ask your network administrator for
	C Oblain an IP address auto	omatically
	C Lise the following IP adds	601
	IR BARRE	
	Billeyetmission	
	Oélaka petewiny	
	C Obtain DNS server addres	ts automatically
	C Use the following DNS se	nyei addresser.
	Pielined DNS server	
	Alteriaté DISSection	
		Advanced.

- 4 Click OK to accept the new settings, and OK again to close the Configuration window.
- 5 You may have to restart your computer in order for your computer to obtain a new IP address from the network.

tem. Note: Dialog boxes shown on your computer may differ slightly from those shown in this procedure. 1 From the computer, select Start > Settings > Control Panel. 2 Double click on the Network icon in the Network icon	Safety       Started       Installation       Drivers       Configuration       Usage       Troubleshooting       Glossary         TCP/IP Configuration for Windows ME         Follow these steps to configure the TCP/IP settings on a Windows ME operating system.         Note:       Dialog boxes shown on your computer may differ slightly from those shown in this procedure.         1       From the computer, select Start > Settings > Control Panel.       2         2       Double click on the Network icon in the Control Panel.       2         Other Start Settings > Control Panel.         Started Windows WE operating system         If on the computer, select Start > Settings > Control Panel.         Configuration for Windows ME operating system         If on the computer, select Start > Settings > Control Panel.         2       Double click on the Network icon in the Control Panel.         If one weather weathe	Safety       Started       Installation       Drivers       Configuration       Usage       Troubleshooting       Glossary         TCP/IP Configuration for Windows ME         Follow these steps to configure the TCP/IP settings on a Windows ME operating sy tem.         Note:       Dialog boxes shown on your computer may differ slightly from those shown in this procedure.         1       From the computer, select Start > Settings > Control Panel.       2         2       Double click on the Network icon in the Control Panel.       2         Other Configuration for Windows ME operating sy tem.         If rom the computer, select Start > Settings > Control Panel.         Configuration for Windows in the Control Panel.         Control Panel.         Dialog boxes shown on your computer may differ slightly from those shown in this procedure.         Control Panel.         Control Panel. <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>-</th><th></th><th></th></td<>							-		
<ul> <li>Follow these steps to configure the TCP/IP settings on a Windows ME operating system.</li> <li>Note: Dialog boxes shown on your computer may differ slightly from those shown in this procedure.</li> <li>1 From the computer, select Start &gt; Settings &gt; Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 more from the computer with the second start w</li></ul>	<ul> <li>Follow these steps to configure the TCP/IP settings on a Windows ME operating system.</li> <li>Note: Dialog boxes shown on your computer may differ slightly from those shown in this procedure.</li> <li>1 From the computer, select Start &gt; Settings &gt; Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>3 Double click on the Network icon in the Control Panel.</li> <li>3 Double click on the Network icon in the Control Panel.</li> <li>3 Double click on the Network icon in the Control Panel.</li> <li>3 Double click on the Network icon in the Control Panel.</li> <li>3 Double click on the Network icon in the Control Panel.</li> <li>3 Double click on the Network icon in the Control Panel.</li> <li>3 Double click on the Network icon in the Contro</li></ul>	<ul> <li>Follow these steps to configure the TCP/IP settings on a Windows ME operating sy tem.</li> <li>Note: Dialog boxes shown on your computer may differ slightly from the shown in this procedure.</li> <li>1 From the computer, select Start &gt; Settings &gt; Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click on the Network icon in the Control Panel.</li> <li>2 Double click restriction in the Control Panel.</li> <li>3 Double click restriction in the Control Panel.</li></ul>	Safety	Installation				Jsage	Troubleshoo	ting	Glossary
tem. Note: Dialog boxes shown on your computer may differ slightly from those shown in this procedure. 1 From the computer, select Start > Settings > Control Panel. 2 Double click on the Network icon in the Network icon	tem. Note: Dialog boxes shown on your computer may differ slightly from those shown in this procedure. 1 From the computer, select Start > Settings > Control Panel. 2 Double click on the Network icon in the Control Panel. 2 Double click on the Network icon in the Control Panel. 2 Double click on the Network icon in the Control Panel. 3 From the computer, select Start > Settings > Control Panel. 3 From the computer, select Start > Settings > Control Panel. 4 For the Setting of the Setting	tem. Note: Dialog boxes shown on your computer may differ slightly from those shown in this procedure. 1 From the computer, select Start > Settings > Control Panel. 2 Double click on the Network icon in the Control Panel. 2 Double click on the			TCP	/IP Config	uration	for Wi	ndows MI	=	
shown in this procedure. 1 From the computer, select Start > Settings > Control Panel. 2 Double click on the Network icon in the Control Panel. 2 Double click on the Network icon icon icon icon icon icon icon icon	shown in this procedure. 1 From the computer, select Start > Settings > Control Panel. 2 Double click on the Network icon in the C	shown in this procedure. 1 From the computer, select Start > Settings > Control Panel. 2 Double click on the Network icon in the Control Panel. 3 Double click on the Network icon in the C				these steps to co	onfigure the	e TCP/IP se	ettings on a Wir	ndows ME	operating sys-
2 Double click on the Network icon in the Control Panel.	2 Double click on the Network icon in the Control Panel.	2 Double Click on the Network icon in the Control Panel.			Note:	9			mputer may di	ffer sligh	tly from those
Control Panel	Control Panel   Per Edit Verw Favorite Lode Helb   Per Edit Verw Favorite Lode Helb </td <td>Control Panel   Fe Ed Worr   Fe Star Worr</td> <td></td> <td></td> <td>1</td> <td>From the comp</td> <td>uter, select</td> <td>Start &gt; S</td> <td>ettings &gt; Cor</td> <td>ntrol Par</td> <td>nel.</td>	Control Panel   Fe Ed Worr   Fe Star Worr			1	From the comp	uter, select	Start > S	ettings > Cor	ntrol Par	nel.
File Edit Serverh Tool Behy Unit Un	Let Lott Let Lott   Let Lott Seech   Let Lott Addeess   Control Panel Addeess   Let Lott Addeess   Control Panel Addeess   Let Lott Addeess   Control Panel Addeess   Diplos Addeess   Control Panel Addeess   Diplos Power   Diplos Power   Diplos Power   Dip	Pie fait yiew Fayroties jood Help   Faithers F			2	Double click on	the Netwo	ork icon in	the Control Pa	nel.	
Configures network hardware and software.	Users	Users				Ele Edt View Favorites Ior         Hack · · · · · · · · · · · · · · · · · · ·	Polders     Image: Constraint of the second se	Add/Remove Aut Programs Up st Folder Options F d Mail Mc ds Power Options Pr gand Symantec S	Image: Construction of the second	Go	

3 Click the Configuration tab in the Network window to display the list of Network Adapters.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

4 Highlight TCP/IP by clicking on it one time, then click on Properties.

Network
Configuration Identification Access Control
The following network components are installed:
ARRIS TOUCHSTONE DEVICE
Dial-Up Adapter
TCP/IP -> 3Com 3C918 Integrated Fast Ethernet Controlle TCP/IP -> ARRIS TOUCHSTONE DEVICE
TCP/IP -> Dial-Up Adapter
Add Remove Properties
Primary Network Logon:
Client for Microsoft Networks
Eile and Print Sharing
Description
TCP/IP is the protocol you use to connect to the Internet and wide-area networks
wide-area hetworks.
OK Cancel

5 Click the IP Address tab, then click OK.



- 6 Click OK to accept the new settings, and OK again to close the Configuration window.
- 7 You may have to restart your computer in order for your computer to obtain a new IP address from the network.
| Safety | Getting<br>Started | Installation | USB<br>Drivers | Ethernet<br>Configuration   | Usage         | Troubleshooting                                  | Glossary                     |
|--------|--------------------|--------------|----------------|---|---------------|--|------------------------------|
|        |                    |              | TCP,           | /IP Configurati   | on for W      | /indows XP                                       |                              |
|        |                    |              | Follow<br>tem. | these steps to configure  | e the TCP/IP  | settings on a Windows 3                          | <pre>KP operating sys-</pre> |
|        |                    |              | Note:          | Dialog boxes show<br>shown in this proce  |               | omputer may differ slig                          | ghtly from those             |
|        |                    |              | 1              | •   |               | Settings > Control P<br>s icon in the Control Pa |                              |
|        |                    |              | 2              | Click the Configuration<br>Network Adapters.  | on tab in the | e Network window to c                            | lisplay the list of          |
|        |                    |              |                | Local Area Connection 2 Status  General Support  Status  Duration  Duration  Speed  12.01 | 13:21         |  |                              |



Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

3 Highlight TCP/IP by clicking on it one time, then click on Properties.



4 Click the IP Address tab, click Obtain an IP address automatically, then click OK.

eneral	Alternate Configuration	on	
this cap		ned automatically if your network I need to ask your network admir	
00	otain an IP address au	itomatically	
OU	se the following IP add	dress:	
IP at	ldreter		
Sub	and ment		
Dala	nih jalahan		
00	ptain DNS server addr	ess automatically	
OU	se the following DNS s	server addresses:	
Boen	uned ONS conver		
eller	tere EME warve		
		A	.d <u>v</u> anced
-		ОК	Cancel

- 5 Click OK to accept the new settings, and OK again to close the Configuration window.
- 6 You may have to restart your computer in order for your computer to obtain a new IP address from the network.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary	

#### TCP/IP Configuration for Windows Vista

Follow these steps to configure the Ethernet interface for use with Touchstone products.

1 Open the Vista Control Panel.



2 Double-click Network and Sharing Center.



Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

3 Click Manage network connections. If prompted for a connection, choose Local Area Connection.



4 Double-click the Local Area Connection to open the Status window:



- 5 If Windows requests permission to continue, click Continue.
- 6 Click Properties.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary	

7 Double-click Internet Protocol Version 4 (TCP/IPv4).



- 8 Select Obtain an IP address automatically and Obtain DNS server address automatically, unless instructed otherwise by your cable provider.
- 9 Click OK to close the Properties windows.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

#### TCP/IP Configuration for MacOS X

Follow these steps to configure the Ethernet interface for use with Touchstone products.

1 Open System Preferences, either by choosing System Preferences from the Apple menu or by clicking the System Preferences icon in the dock.



2 Click the Network icon.



Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

3 Choose Automatic from the Location drop-down menu, and Built-in Ethernet from the Show menu.

	Location:	Automa	atic	_	-	
	Show:	Built-in	Ethernet			
	CP/IP PP	PoE Ap	opleTalk P	roxies E	thernet	
Configure IP	v4: Using	DHCP		:		
IP Addre	ss:			(	Renew DHC	P Lease
Subnet Ma	sk:		DHCP	Client ID:		
Rout	en				(If required)	
DNS Serve	rs:					(Option
Search Domai	ns:					Option
IPv6 Addre	55:					
	Confi	gure IPv6.				

- 4 Choose the TCP/IP tab, if necessary.
- 5 Choose Using DHCP from the Configure IPv4 menu.
- 6 If necessary, click the Renew DHCP Lease button.
- 7 Close the System Properties application.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary

#### Using the Wideband Cable Modem

This chapter describes the controls and features available on the Touchstone Wideband Cable Modem, and covers basic troubleshooting procedures.

- Setting up Your Computer to Use the Wideband Cable Modem
- Indicator Lights
- Using the Reset Button

# Setting up Your Computer to Use the Wideband Cable Modem

Follow the instructions in the information packet supplied by your cable company. Contact your cable company if you need help setting up your computer.

To take full advantage of the WBM760 high speed data connection, you may need to tune your computer's connection parameters. The following programs may be useful:

- Windows: TCP Optimizer, available from <u>speedguide.net</u>
- MacOS X: Broadband Tuner, available from <u>apple.com</u>

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Indica	ator Lights for	r the WBI	M760A/B Mode	els

The Wideband Cable Modem has five indicator lights to assist in troubleshooting.

Patterns: Normal Operation

The following table shows light patterns during normal operation.

Mode	Power (A)	DS (B)	US (C)	Online (D)	Link (E)
		Yellow <sup>1</sup> = Connected to the Internet (high speed)	Yellow <sup>1</sup> = Connected to the Internet (high speed)		Yellow <sup>2</sup> = USB 1.x or 10/100 BaseT Ethernet connected
AC Power	On	Green <sup>1</sup> = Connected to the Internet (ultra-high speed)	Green <sup>1</sup> = Connected to the Internet (ultra-high speed)	On = Internet Available Off = Internet not available	Green <sup>2</sup> = USB 2.0 or 1000 BaseT Ethernet connected Off = Computer
		Flash = Not connected to the Internet	Flash = Not connected to the Internet		not connected Flash = Computer Activity
No AC Power	Off	Off	Off	Off	Off
Firmware Upgrade	On	Flash	Flash	On	(normal operation)

- Note 1: Your cable company may configure the Wideband Cable Modem to always display the DS, US, and Link indicators in green regardless of the connection speed.
- Note 2: If you have computers connected on both the USB and Ethernet ports, the Link indicator is green *only* if both connections are high-speed (USB 2.0 and 1000 BaseT Ethernet).



Safety	Getting Started	Installation	USB Drivers		hernet iguration	u Us	sage	Troubleshooting	Glossary	
			Patterns The follor quence.				pattern	s during each phase of	the startup se-	
			Power	DS	US	Online	Link	Descript	ion	
			Off	Off	Off	Off	Off	No power to Wideband	Cable Modem	
			Flash	Flash	Flash	Flash	Flash	Power-on Self Test		
			On	Flash	Off	Off	Off	Downstream search		
			On	On	Flash	Off	Off	Downstream found; upstream search		
			On	On	On	Flash	Off	Downstream and Upstre retrieving setup information operator		
			Note:	the Wie The Lii	deband (	Cable Mod ator may	lem esta	yellow during startup, a blishes an ultra-high sp v or green, as determi	eed connection.	
			Using	the R	leset	Buttor	۱			
			Use the Reset button, on the back of the Wideband Cable Modem, to reset modem as if you power cycled the unit. You may need to reset the Wideband Ca Modem if you are having problems connecting to the Internet.							
			Use a po shows th					ss this button. The dra	wing to the left	

Reset button

The Reset button is recessed to prevent accidental resets.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary			
			Trou	bleshootir	Ig					
			The Wideband Cable Modem is plugged in, but the Power light is off.							
				Check all power connections. Is the power cord plugged in firmly at both ends?						
				If you plugged the power cord into a power strip, make sure the strip is switched on.						
			A	void using an outlet o	controlled by a	a wall switch, if possibl	e.			
			С	heck the outlet by plu	ugging in ano	ther device (such as a	lamp).			
			Fi	nally, check the fuse	or circuit bre	aker panel.				
			l'm not	getting on the Inte	ernet.					
			p ol	ower up your Wideba	and Cable Mo	tablish a connection tl dem, especially when Cable Modem plugged	many people are			
			С	heck the front panel	lights:					
			•	The Power and Or	nline lights sh	nould be on.				
			•	The Link light shou	uld be either o	on or blinking.				
			•	The DS and US lig	nts should be	on.				
			•	If the Power light pany for assistance		re than 30 minutes, call	your cable com-			
			ca a hi ol	<u>able</u> should not be pin break or short in the ave one or more split	ched, kinked, e cable (you :ters between	nectors should be finge or bent sharply—any o may have to replace t the Wideband Cable M nect the Wideband Cabl	f these can cause he cable). If you lodem and CATV			

Proceed to the Ethernet or USB solutions (next page) if necessary.

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary				
			I'm not getting on the Internet. (Ethernet)								
			If you are using a hub, is the hub turned on? If you have connected the or Wideband Cable Modem to the crossover port on a hub, toggle the crossover switch.								
			(	Are you using the right type of <u>Ethernet</u> cable? Use the supplied cable direct connection to a computer; use a cross-over cable for connection t hub or home router.							
			F	Press the Reset button on the back of the Wideband Cable Modem.							
			l'm no	t getting on the Inte	rnet. (USB)						
			I	Did you <u>load the USB c</u>	lrivers?						
			I	If you are using a powe	ered USB <u>hub</u>	, is the hub turned on	?				
			(	Check the USB cable co	onnections. D	isconnect and reconne	ct the USB cable.				
			I	Restart the computer.							
			I	Press the Reset buttor	n on the back	of the Wideband Cable	e Modem.				
			I can g	et on the Internet, b	out everythi	ng is slow.					
			l	If the Web site you are ble servicing all the rec minutes and try again. nection speed.	uests. If othe	er sites download quick	ly, wait for a few				
			( 5     	If your Wideband Cable either directly or throug slow down your connec not support the high sp necting the Wideband ( tion speeds as well.	gh a firewall, ction. Some b eeds possible	other communications roadband routers or w with the Wideband Ca	on the LAN may ireless hubs may ble Modem. Con-				
				To test your netw http://reviews.cnet.com							

	Cotting		USB	Ethernet						
Safety	Getting Started	Installation	Drivers	Configuration	Usage	Troubleshooting	Glossary			
				e two computers con an get on the Interne		e Wideband Cable Mo	odem, but only			
			Check your cable company's terms of service: they may allow only one com- puter to connect directly to the Wideband Cable Modem.							
			Troubleshooting USB Problems							
			Follow these steps if the computer does not auto-detect the Wideband Cable Moder using a USB connection.							
			Before	e you start, make sure t	hat:					
			•	You have properly inst shown in <u>Installing and</u>		nfigured the Wideband Your Wideband Cable M				
			٠	You have installed the <u>Your PC</u> .	USB drivers	as shown in <u>Installing</u>	USB Drivers on			
			٠	The cable company hay you're not sure.	as set up you	ur account. Call your c	able company if			
			Instr	uctions						
			1			ning either Windows 20 ndows 98, and Windows				
			2	Be sure the Wideband on.	Cable Moden	n has power. The Powe	er light should be			
			3	Push the Reset button using a pen tip or othe			d Cable Modem,			
			4	Disconnect the USB ca	ble from the	computer and reconned	ct it.			
			5	Restart the computer.						
			6	Do the following to un	install and the	e reinstall your USB dri	vers:			
				a. Disconnect the USE	B cable to the	e Wideband Cable Mode	m.			
				b. Insert the Widebar	nd Cable Mode	em CD-ROM into your o	computer.			

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			C.	Start the Remove utions carefully.	utility on your	CD-ROM. Follow the or	n-screen instruc-
			d.	Reconnect the USB	cable.		
			e.	Re-install the USB	driver as show	wn in <u>Installing USB Dri</u>	ivers on Your PC.
			7 Re	eplace the USB cable			
			8 Ca	all your cable compar	ny for help.		

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary				
			Glos	sary							
			The following is a list of common cable and networking terms.								
			A/B Cable A USB cable that has a narrow rectangular connector on one end (A) notched square connector (B) on the other end.								
			A			r Fast Ethernet (100Bas always look for Categor					
			A tł			elevision and Wideband coax from any electro					
			CPE								
						s the equipment that is computer, hub, or rou					
			Cross-o	ver							
			to	ogether. Also, some E	thernet hubs	wo hubs (or a hub and may have built-in cros eed for a cross-over ca	s-over on one of				
			DHCP								
			a ci	ddress and location of	services (suc ork. DHCP allo	ol. An IP protocol used ch as DNS and TFTP) ne ows the cable company you.	eded by a device				
			DNS								
				omain Name Service ame (such as www.e:		n IP service that asso with an IP address.	ciates a domair				

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Downst	ream			
						m the head-end to the er to this as the forward	
			DOCSIS				
						Specification. The inter s equipment on an HFC	
			EMTA				
				mbedded Multimedia ith a cable modem.	Terminal Ada	apter. An MTA device t	hat is integrate
			Etherne	t			
				standard method of etwork (LAN).	connecting tv	vo or more computers	into a Local Are
			Euro-DC	DCSIS			
			TI	ne European version	of DOCSIS.		
			Event				
			A	n informational mess	age used for	monitoring network sta	atus.
			F-conne	ctor			
			F		nd screw-on.	cable. There are two o Use coax with screw-c odem.	
			Gatewa	y			
			TI	-	router, that co	onnects devices on a gi	iven IP subnet t
			Headen	d			
			da	ata equipment. In lar	ger cable net	rk. The headend house works, a "master" hea de distributed services	dend often feed
			HTTP				
				yperText Transfer Pro	otocol.		

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			Hub				
				A box with several Eth common point of conta add peripherals withou	act for all con	nected devices; USB h	nubs allow you to
			IP ad	dress			
				A number assigned to tify your computer to a			ny, used to iden-
			LAN				
				Local Area Network. A (such as a building) to			a single location
			LED				
				Light Emitting Diode. A is passed through it.	A semi-conduc	ctor diode that emits li	ght when current
			MAC a	address			
				A number that uniquel cable company uses yo ize access to the Interr tom of your Wideband	our Wideband net. The MAC	Cable Modem's MAC a address is printed on a	ddress to author-
			Proto	col			
				A set of rules and form network entities at a g		ermines the communic	ation behavior of
			Proxy	1			
				A device or program to site) and a client (you burden from the serve proxy that keeps copies pages instead of fetchi page loading and less	ir browser), p r. For example s of popular w ng them direc	providing a way to reli e, your cable company yeb pages; the proxy ca stly from the web site, r	eve some of the may have a web in send you those
			RF				
				Abbreviation for Radio cable" and the connect			s to coax as "RF

Safety	Getting Started	Installation	USB Drivers	Ethernet Configuration	Usage	Troubleshooting	Glossary
			RJ-11				
				A standard 4-pin mode connecting telephones		pr, commonly used in N	Jorth America for
			RJ-45				
				A standard 6-pin modu RJ-45 connector looks			
			Splitte	er			
			·	A small box with three may need a splitter if that you want to use for ter from any electronic	you have a T or your Widel	V already connected to band Cable Modem. You	o the cable outlet u can buy a split-
			Switc	hed outlet			
				A power outlet that m intended for lamps. A Modem into a switched	Avoid pluggir	ng your computer or	
			TCP/I	Р			
				Transmission Control P itate communications a		•	
			TDMA				
				Time Division Multiple modems for sending u			
			Upstr	eam			
				The path from a subsc mentation may refer to			
			USB				
				(Universal Serial Bus) sories, such as keybo (such as cable modem	ards, mice,	printers, and commun	

#### Touchstone® WBM760 Wideband Cable Modem User's Guide



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