SMC7008ABR Barricade Broadband Router

Installation Instructions

SPECIAL NOTE: Part F – Adjusting MTU Value. This procedure MUST be followed in order to prevent chronic disconnections of the VPN tunnel!

Part A – General Setup

- 1. Open your Web browser and enter the following in the "Address" field: http://192.168.2.1
- 2. The Barricade login screen will appear. Leave the password field empty and click on "login".

SINC Networks	^
Login Screen	
Password :	
Login Cancel	

3. On the main page of the Barricade Web console, click "Setup".

SINC Networks		~
<u>Setup</u>	<u>Setup</u> Setup your Barricade for use or change your setting.	
<u>Status</u>	<u>Status</u> Check your connection to the Internet and the status of your Barricade.	
<u>Tools</u>	<u>Tools</u> Perform a system test, reset your Barricade, and more with the Home Gateway tools.	
<u>Help</u>	Help Get answers to commonly asked questions about the Barricade.	
LogOut		X

4. The Barricade's automated setup process will take you through each step for setting up your Barricade. Click "Enter" to start the process.

Networks	<u>Main</u>	Setup	<u>Status</u>	<u>Tools</u>	<u>Help</u>	
<u>Change Password</u>	Setup					
Set Time Zone LAN DHCP Address Mapping	The Barricade setu cable or DSL mode Be sure to click EN	p will allow you to configu m. Click on the navigatior ITER after you have comp	re your Barricade for us n menu on the left to ch Ileted your settings on e	e with the 56K modem, ange individual settings. each page.	ISDN TA, or a	
WAN DHCP DHCP(BP) Fixed IP PPP0E Modem PPTP			Click E	NTER to continue.	TER	
DNS Advanced Settings Firewall Virtual Server						~
<						>

5. In the "Change Password" screen type lower-case "galileo" in the "New Password" field. Confirm this entry by entering the lower-case "galileo" again in the "Re-enter Password for Verification" field.

SMC [*] Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>
Change Password	Setup Change P	assword			
Set Time Zone LAN DHCP Address Mapping WAN DHCP DHCP(BP) Fixed IP PPP0E Modem PPTP	To change your adi password twice. If y (The unit ships without Current Password New Password Re-Enter Password	ninistrative password, ente /ou do not require a passw a set password) }-12 Characters) I for Verification	er your existing password a rord, leave blank.	and then enter the new	
DNS Advanced Settings Firewall Virtual Server		Clic	k ENTER to save settings	and continue.	×

- 6. Click "Enter" to complete this step.
- 7. Select your time zone from the list and click "Enter".

SINC. Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	Help
Change Password	Setup Set Time	Zone			
<u>Set Time Zone</u>	Please choose yo	ur local time zone. This will	only be required during y	our initial setup.	
L <u>AN</u> DHCP Address Mapping	Enter Time Zone	(GMT-06) Central Time (I	JS & Canada)	¥	
WAN	🗹 Enable Dayligh	nt Saving			
DHCP DHCP(BP) Fixed IP	From APR 🔽~	10 🕶 To OCT 🛩~ 26	*		
PPPoE Modem PPTP		с	lick ENTER to save settir	gs and continue.	
<u>DNS</u>					
<mark>Advanced Settings</mark> Firewall Virtual Server					~
<					>

8. The LAN screen is where you configure the Local Area Network settings of your Barricade. Unless you have an existing network with Domain information there is no reason to change these settings. Click "Enter" to complete this step.

SIMC [®] Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>	^
<u>Change Password</u> <u>Set Time Zone</u> L <u>AN</u> DHCP Address Mapping	Setup LAN IP address IP Subnet Mask DHCP Server	: 192 . 168 : 255.255.255.0 : • Enabled •	2 . 1 Disabled			
WAN DHCP DHCP(BP) Fixed IP PPPoE	Lease Time (seo) IP address pool	: Forever 💌				
<u>Modem</u> <u>PPTP</u> <u>DNS</u>	Start IP End IP	: 192 . 168 . 2 : 192 . 168 . 2	2 2			
Advanced Settings Firewall Virtual Server Special Application Client Filtering Misc	Domain Name	Click ENTER to s	ave settings and continu	e. (ENTER)		~

9. At this point the LAN side of your Barricade is configured. The next step is to configure it for the Internet connection with the information provided by your ISP.

SMC Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<mark>Help</mark> ≜
<u>Change Password</u>	Setup DHCP Addre	ess Mapping			
Set Time Zone LAN DHCP Address Mapping DHCP DHCP DHCP(BP) Fixed IP PPPOE Modem PPTP DNS	DHCP MAC to IP Mapping List (none)	< <add Remove</add 	MAC Address: IP Address: : : Click ENTER	to save settings and con	tinue. ENTER
Advanced Settings Firewall Virtual Server Special Application Client Filtering Misc					×

10. This screen needs to be configured in order to "RESERVE" an IP address for the Focalpoint Print Manager.

Note: To complete this section we will need to obtain the MAC address or Physical Address of the network interface card on the FPM machine. How this is

accomplished will depend of the Operating System that is running on the FPM workstation.

• If the OS is Windows NT4, Windows 2000 or windows XP: START->RUN->CMD to start a DOS window.

Type IPCONFIG /ALL at the DOS prompt.

• If the OS is Windows 9.x including ME:

START->RUN->WINIPCFG /ALL

C:\WINDOWS\System32\cmd.exe	. 8	×
Microsoft Windows XP [Version 5.1.2600] (C) Copyright 1985-2001 Microsoft Corp.		
C:\Documents and Settings\Gordon McHenry.CONSULTING>ipconfig /all		
Windows IP Configuration		
Host Name : gsmxp1 Primary Dns Suffix : Node Type : Hybrid		
WINS Proxy Enabled No		
Ethernet adapter {CCEB451A-79CF-4D81-8232-F762276A8505}:		-
Connection-specific DNS Suffix .: Description Nortel IPSECSHM Adapter - Packet eduler Minimort	Sc}	
Physical Address		
IP Âddress		
Ethernet adapter Local Area Connection:		
Connection-specific DNS Suffix .: WorkGroup Description Xircom CardBus Ethernet 100 + Mod 56 (Ethernet Interface)	lem	
30 CLOBERTAGE : 00-10-A4-E7-3F-99 Dhcp Enabled. : Yes Autoconfiguration Enabled. : Yes IP Address. : 192.168.2.40 Subnet Mask. : 255.255.05 Default Gateway : 192.168.2.1 DHCP Server : 192.168.2.1 DHS Servers : 192.168.2.1 DNS Servers : 192.168.2.1	.7 A	ł
Lease Expires Monday, January 18, 2038 9:14:07	PM	
C:\Documents and Settings\Gordon McHenry.CONSULTING>		

- C. Write down the Physical Address to be used in the next step.
- D. You will need to select a specific address from the group of addresses previously defined in Step 8 above and enter it here. This address needs to be

within the range of 192.168.2.2 - 192.168.2.40. The preference is to keep it simple and select the first available address (192.168.2.2).

SMC Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	Help	
<u>Change Password</u>	Setup DHCP Addr	ess Mapping				
Set Time Zone LAN DHCP Address Mapping WAN DHCP DHCP(BP) Fixed IP PPDeE Modem PPTP DNS Advanced Settings Firewall Virtual Server Special Application Client Filtering Misc	DHCP MAC to IP Mapping List (none)	< <add Remove</add 	MAC Address: IP Address 0010a4e73f99 : 192.168.2 Click ENTER	: 2 ? to save settings and co	ontinue. ENTER	

E. Click on the "Add" button to select this information.

Change Password Setup DHCP Address Mapping Set Time Zone DHCP MAC to IP Mapping List District Contract of the contract of th	Change Password Setup DHCP Address Mapping Let Time Zone DHCP MAC to IP Mapping AN DHCP MAC to IP Mapping HCP Address Mapping 001004/e73/99:192.168.2.2 VAN MAC Address: IP Address: HCP Remove :
Set Time Zone DHCP MAC to IP Mapping LAN DITLP Address Mapping DHCP Address Mapping DITLP Address: IP Address: IP Address: WAN IP Address: DHCP Remove Click ENTER to save settings and continue. ENTER	List AN HCP Address Mapping UHCP Address Mapping Image: Content of the state of the sta
PPPoE Modem PPTP DNS Click ENTER to save settings and continue.	PPDE Modern PPTP NS dvanced Settings inewall intual Server joecial Application lise LogOut
	Irewall pecial Application lient Filtering fisc LogOut

F. Click on ENTER to finish this step.

11. Under Advanced Settings click Virtual Server. Type the same reserved IP address that was input in step 10 for the FPM workstation, type **5069** for the private and public port number and choose **TCP** for the type. Click **Enter**.

🖉 Setup Advanced Settings	Virtual Server - Mi	crosoft Internet Ex	plorer			_ 🗆 ×
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>I</u>	[ools <u>H</u> elp					
\leftarrow , \Rightarrow , \otimes	A	6	I 🖉 -	e b	. 📃	
Back Forward Stop	Refresh Home	Search Favorites	History Mail	Print Edit	Discuss	
Address @ http://192.168.2.1:88/	'setup_virtualserver.htr	0			<u> </u>	o Links "
	Main	Set	In	Status	Tools	Ê
Networks	man	<u></u>	a pa	otatas	10013	
Change Password	Setup Advar	iced Settings Vi	rtual Server			
Set Time Zone	Enter the inform	nation you want.				
		Private IP	Private Port	Туре	Public Port	
LAN DHCP Address Manning	1. 192.	168. 2. 2	5069	⊙ TCP O UDP	5069	
	2. 192.	168. 2.		⊙ TCP O UDP		
WAN DHOD	3. 192.	168. 2.		⊙TCP OUDP		
DHCP(BP)	4. 192.	168. 2.		⊙TCP OUDP		
Fixed IP	5. 192.	168. 2.		⊙TCP OUDP		
Modem	6. 192.	168. 2.		⊙TCP OUDP		
PPTP	7. 192.	168. 2.		⊙TCP OUDP		
DNS	8. 192.	168. 2.		⊙TCP OUDP		
	9. 192.	168. 2.		⊙TCP OUDP		
Advanced Settings Firewall	10. 192.	168. 2.		⊙TCP OUDP		
Virtual Server	11. 192.	168. 2.		⊙ TCP O UDP		
Special Application Client Filtering	12. 192.	168. 2.		⊙TCP OUDP		
<u>UPnP</u>	13. 192.	168. 2.		⊙TCP OUDP		
Misc	14. 192.	168. 2. 🦲		⊙ TCP O UDP		
LogOut	15. 192.	168. 2.		⊙ TCP O UDP		-
						F
1 2					Internet	

- 12. The next few steps will be to configure the Barricade router for Internet access. There are generally two different configurations used by most ISP's.
 - If you use a DSL Modem your ISP probably requires you to manually enter your TCP/IP settings. If you have a DSL connection or if you know you use a Static IP address please move to "**Part B Configuring Your Barricade for Static IP Address**".
 - If you connect to the Internet using a Cable Modem your ISP provider probably used DHCP to issue an IP address to you. If you use a cable modem or you know that the ISP uses dynamic IP address please move to **"Part C Configuring Your Barricade for a Dynamic IP Address**.

Part B – Configuring Your Barricade for Static IP Addressing.

1. Select "Static IP Address" and click on "More Configuration"

SMC [®] Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>
<u>Change Password</u> Set Time Zone	Setup WAN Choose Interne	et Connection Type	llsage		
<u>LAN</u> DHCP Address Mapping	о р	ynamic IP Address	Obtain	an IP address automatically.	
WAN DHCP	O D,	ynamic IP Address	Obtain (Austra	an IP address automatically. lia BigPond ISP)	
DHCP(BP) Fixed IP PPPoF	⊙ S	tatic IP Address	ISP as: Some I	signs you a static IP address. SPs require the use of PPPoE	:
Modem PPTP	0 P	ial-up on Demand	to conr Use an the Inte	ect to their services. external modem to connect to	2
<u>DNS</u> Advanced Settings	0 Р	РТР	Some I connec	SPs require the use of PPTP t t to their services.	to
Firewall Virtual Server Special Application Client Filtering Misc	ĺ	More Configuration			
<					>

2. Enter the IP Address, subnet mask and gateway provided to you by your ISP in the appropriate fields. Click "Enter" when finished.

SINC [®] Networks	Main	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>	
<u>Change Password</u>	Setup WAN Fixed	IP				
<u>Set Time Zone</u>	Has your Internet Sen	rice Provider given yo	u an IP address and Ga	teway address?		
L <u>AN</u> DHCP Address Mapping	IP address assigned b	y your ISP 64	. 204 . 47 . 19	4		
WAN DHCP DHCP(RP)	Subnet Mask	255	. 255 . 255 . 24	8		
	ISP Gateway Address	64	. 204 . 47 . 19	3		
Modem PPTP		Click ENTER	to save settings and c	ontinue.		
<u>DNS</u>						
Advanced Settings						
<u>rirevali</u> Special Application Client Filtering Misc						>
<						>

A Domain Name Server (DNS) is like an index of names and Web addresses. If you type a Web address into your browser, such as <u>www.whitehouse.gov</u>, a DNS server will find that name in its index and find the matching IP address: 198.137.240.92. Most ISPs provide a DNS server for speed and convenience. Since you are connecting to the Internet with static IP settings, it is likely that your ISP also provided DNS server addresses.

3. Enter the DNS server address(es) in the spaces provided. Click "Enter" when finished.

SMC [®] Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>	^
Change Password	Setup DNS					
<u>Set Time Zone</u>	Has your Internet	Service Provider given yo	u a DNS address?			
LAN DHCP Address Mapping WAN DHCP DHCP(BP) Fixed IP PPPoE Modem PPTP DNS Advanced Settings Firewall Virtual Server Special Application	Domain Name Sei	ver (DNS) Address 209 , 87 , 79 ddress (optional) 209 , 87 , 64 Click ENTER	, 232 , 70 to save settings and continue.	ENTER		
Misc					>	~

Part C – Configuring Your Barricade for Dynamic IP Addressing.

1. Select "Dynamic IP Address" and Click "More Configuration.

Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	Ŀ
<u>Change Password</u> <u>Set Time Zone</u>	Setup WAN Choose Inter	net Connection Type Type	Us	sage	
L AN DHCP Address Mapping	۲	Dynamic IP Address	O	btain an IP address automatically.	
WAN	0	Dynamic IP Address	0 (A	btain an IP address automatically. Justralia BigPond ISP)	
DHCP DHCP(BP)	0	Static IP Address	IS	P assigns you a static IP address.	
<u>PPPoE</u> Modem	0	PPP over Ethernet	So to	ome ISPs require the use of PPPoE connect to their services.	
<u>PPTP</u>	0	Dial-up on Demand	Us th	se an external modem to connect to e Internet.	_
<u>DNS</u>	0	РРТР	So	ome ISPs require the use of PPTP to onnect to their services.	
Advanced Settings Firewall Virtual Server		More Configuration			>

2. If you have a Host name provided by your ISP enter it here and Click "Enter" to continue.

SINC Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	Ŀ
Change Password	Setup WAN E)ynamic IP Address			
<u>Set Time Zone</u>	Host Name				
LAN DHCP Address Mapping	MAC Address	00 - 04 - E2	_ 38 _ B7 _ C	71	
WAN DHCP DHCP(BP) Fixed IP		Clone MAC Addre	988		
PPPoE Modem PPTP		Click ENTER to save setti	ngs and continue. 💶	TER	_
<u>DNS</u>					
<mark>Advanced Settings</mark> <u>Firewall</u> Virtual Server					~
<					>

3. Enter DNS Information as provided by your ISP and Click "Enter to finish the process.

SMC [®]	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	Ŀ
<u>Change Password</u> Set Time Zone	Setup DNS Has vour Internet S	ervice Provider given vo	⊔ a DNS address?		
LAN DHCP Address Mapping WAN DHCP DHCP(BP) Fixed IP PPPoE Modem	Domain Name Serv	er (DNS) Address 209 , 87 , 79 Idress (optional) 209 , 87 , 64 Click ENTER	. 232 . 70 to save settings and co	ntinue.	
PPTP DNS Advanced Settings Firewall Virtual Server K		Ш			>

Part D – Configuring Your Barricade for PPPoE configuration.

1. Select "PPP over Ethernet" and click on "More Configuration"

Change_Password Setup WAN Set Time Zone Type Usage LAN Opnamic IP Address Obtain an IP address automatically. DHCP Address Mapping Opnamic IP Address Obtain an IP address automatically. WAN Opnamic IP Address Obtain an IP address automatically. DHCP December 2010 Opnamic IP Address Obtain an IP address automatically. Change_Password Opnamic IP Address Obtain an IP address automatically. WAN Opnamic IP Address ISP assigns you a static IP address. Excel IP Opnote The Address ISP assigns you a static IP address. PEPDE Oprover Ethernet Some ISPs require the use of PPPOE Modem Oprover Ethernet Use an external modem to connect to their services. PPTP Oprover Ethernet Oprover Ethernet. ONS Oprover PTP Some Configuration Wisc Oprover Ethernet Some Configuration	SMC	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>	1
LAN DHCP Address Mapping Omegamme and the second s	Change Password Set Time Zone	Setup WAN Choose Inte	l rnet Connection Type Type	Usage			
	LAN DHCP Address Mapping WAN DHCP DHCP(BP) Fixed IP PPPoE Modern PPTP DNS Advanced Settings Firewall Virtual Server Special Application Client Filtering Misc	 ○ ○ ○ ○ ○ 	Type Dynamic IP Address Dynamic IP Address Static IP Address PPP over Ethernet Dial-up on Demand PPTP More Configuration	Obtain ar Obtain ar (Australia ISP assig Some ISI to conner Use an e the Intern Some ISI connect t	n IP address automatical n IP address automatical a BigPond ISP) gns you a static IP addre Ps require the use of PPI ct to their services. external modern to conner ret. Ps require the use of PP' to their services.	ly. ly. PoE ct to TP to	

2. Enter the User Name and Password for the account provided to you by your ISP in the appropriate fields. Click "Enter" when finished.

SINC Networks	<u>Main</u> <u>Setu</u>	<u>ip Status</u>	<u>Tools</u>	<u>Help</u>					
<u>Change Password</u>	Setup WAN PPPoE								
<u>Set Time Zone</u>	If your Internet Service Provider re	equires the use of PPPoE, enter the	information below.						
LAN DHCP Address Mapping	Use PPPoE Authentication User Name	vze2skp2							
WAN DHCP DHCP(BP) Fixed IP PPPoE Modem PPTP	Password Please retype your password Service Name Maximum Idle Time	verizon (seconds)	Auto-reconnect						
DNS Advanced Settings Firewall Virtual Server Special Application Client Filtering Misc		Connect Disconnect Click ENTER to save settings and continue.							
(LogOut									

Part E – Upgrading the Firmware in Your Barricade.

Upgrades for your Barricade Broadband are readily available on the Internet at <u>www.smc.com</u>. They are stored in compressed format to minimize the time it takes to download. The files take one of two forms.

- 1. "Zipped" format this format requires you to have special software in order to extract the update files.
- 2. "Self-extracting" format this format does not require any special software in order to extract the files.

The preferred form to download is "Self-extracting". This will eliminate the necessity of having special software to extract the files.

When you downloaded the latest update you execute the self-extracting file and it will create a directory with the name "SMC" and place the extracted files in this directory. The actual update file has the extension of .DLF This will be important later on in this process.

Once you have completed the download and extraction process you can start the Firmware Update Process.

1. To Upgrade the Firmware in your Barricade you must Login to the Barricade and begin from the main menu screen. Select "Tools" from the menu.



2. Select "Update Firmware" to begin the update process.

SINC [®] Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	Tools	<u>Help</u>
<u>Reset Barricade</u>	Tools Use these tools to	o manage your Barric	ade.		
<u>Restore Factory Defaults</u>	<u>Reset Barricade</u> <u>Restore Factory</u>	will reboot the Barric Defaults will remove	ade and retain all of yo all settings and place	our configuration settir the Barricade in its or	ngs. riginal factory
<u>Update Firmware</u>	state. <u>Update Firmwar</u> SMC web site.	<u>e</u> will allow you to up	grade the firmware on	your Barricade using	a file from the
LogOut	Backup Settir	ngs Rest	tore Settings		
<					

3. The current version of Firmware that resides in the Barricade will be displayed. If you did not download the latest update from the SMC Website you may do so at this time. Normally you should simply Click "Enter" to start the process.



4. Enter the fully qualified location of the update file that was extracted from the Internet Download. i.e. C:\SMC\7008ABR_FWv1001008.DLF

SMC Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>
Reset Barricade	Tools Update Firmw	are			
<u>Restore Factory Defaults</u>	Enter the path and nam prompted to confirm the	ne of the upgrade file t e upgrade.	hen click the START	button below. You w	vill be
<u>Update Firmware</u>		nc\7004ABR_FW	/140018.dlf Browse		
LogOut			STARE)		
					~
<					>

5. You will be asked to confirm the upgrade. Click "OK" to continue

Microsoft Internet Explorer						
2	Do you wish to continue with the upgrade process?					
	OK Cancel					

6. This is the final confirmation for the upgrade.



7. This is the final screen when the Barricade is updated.

SINC [®] Networks	<u>Main</u>	<u>Setup</u>	<u>Status</u>	<u>Tools</u>	<u>Help</u>
<u>Reset Barricade</u>	Tools Update F	irmware Successfu	lly		
Restore Factory Defaults	Your Barricade ha	as successfully been	upgraded.		
	Please wait until t	the power light stops	blinking.		
<u>Update Firmware</u>					
LogOut					
<					×

Part E – RESET of router to recover from lost password.

How do you reset the Barricade to factory defaults?

To reset your Barricade 7008-ABR to factory defaults please follow the steps below:

- 1. Power off the router for about 30 seconds and then turn it on.
- 2. Wait for the router to sync up (about 10 secs)
- 3. Depress the <u>RESET</u>* button for 8 seconds and release it. To verify a sucessful reset, the power light will flash rapidly, all 8 port lights will turn on shortly, and then the router will return to its normal state.
- * Note: The <u>RESET</u> button is located on the left side of the front panel.

Part F – Adjusting MTU Value

MTU, Partial Loss of Internet Connection, and Performance

 MTU (Maximum Transmission Unit) is the largest packet a network device transmits. The best MTU setting for equipment is often just the default value. MTU is sometimes presented as something that can be easily changed to improve performance, but in practice this may cause problems. You need to follow this procedure in order to prevent problems with the VPN connection. This will manifest itself as severe performance problems such as chronic disconnects.

• Setting MTU size is a process of trial-and-error: start with the maximum value of 1500, then reduce the size until the problem goes away.

In order to find the optimum size for the MTU setting you will need to utilize the extended portions of the PING command. (The parameters are case sensitive!)

PING -f-l 1500 fpnet.galileo.com

-f Set Don't Fragment flag in packet -l size Send buffer size (lowercase L)

Reduce the size of the send buffer until the reply message comes back normally. Reply from 12.17.202.11: bytes=1500 time=36ms TTL=59

To make the changes on the workstation you will need to go to <u>http://www.dslreports.com/</u>, Select Tests + Tools. Then select Dr. TCP. You will need to download & install the latest copy of this program (DR.TCP). This program will allow you to make the necessary changes to the MTU size on each workstation. Change the MaxMTU value, Click Apply and then reboot the workstation.

on	Dr. TCP			_ 🗆 ×
	- General Settings			
	Top Receive Window 32	767	Path MTU Discovery	Default 💌
	Window Scaling De	efault 💌	Black Hole Detection	Default 💌
	Time Stamping De	efault 💌	Max. Duplicate ACKs	
	Selective Acks De	efault 💌	TTL	
	Adapter Settings			
	Realtek RTL8139(A/B/C	:/8130) PC	🛙 Fast Etherne 🔽 MaxN	ITU 1500
	ICS Settings			
	<u>Ar</u>	pply	E <u>x</u> it	

If you have a problem with the packet size the following message will be returned: Packet needs to be fragmented but DF set.