# Broadband Modem Installation Guide

### Release Versions AMC-6 72.0W Ku Band

- StarConnect SAT VPN Software Version 2.02
  - Broadband4PC Software Version 4.3.2

Manual last revised 12/2006

#### **Federal Communications Commission Radio Frequency Interference Statement**

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. However, if this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.
- Use a shielded and properly grounded I/O cable and power cable to ensure compliance of this unit to the specified limits of the rules. This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

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**Warning:** Before installing your drivers and software, please disable your Firewall protection and leave it off until you actually connect to a website for the first time. At that time you can re-enable your Firewall protection. Failure to do this may cause erratic behavior with your satellite software.

# 1 Getting Started – Installing B2C2 Broadband Modem

### **Package Contents**

Each package should contain the following items:

Either a TechniSat Internal (PCI) or a TechniSat USB Satellite Modem Installation CD Power Supply (USB modem only) USB Cable (USB modem only) User's Guide

#### **System Requirements**

Pentium II 700 MHz or higher, with modem installed. Microsoft Windows XP – Home Edition/Professional (Service Pack 2 or higher required) Microsoft Windows 2000 Professional/Server (Service Pack 4 or higher recommended) 256 MB minimum of system memory 30 MB of hard disk space available 1 available USB Port (for external USB satellite modem) 3D graphics recommended Microsoft Internet Explorer (web browser) version 6.0 installed (Service Pack 2 or higher required) Microsoft Windows Media Player Version 9.0 or later Microsoft DirectX 9 or later.

**AOL Client Notice:** Industry wide, the AOL application, which is loaded onto an AOL's customers PC, is very much intrusive in nature, as it does not like to operate with any other Internet Service Provider other than AOL. The AOL application tends to cause conflicts with other Internet based services such as cable modem, DSL, and satellite. Therefore, it is highly recommended that the AOL application be removed from your PC prior to having the B2C2 satellite modem and the TechniSat software installed on your PC. In the event that you elect not to remove the AOL application from your PC prior to installing the B2C2 satellite modem and the TechniSat software, NRBB does not assume any responsibility for any applications that may malfunction after the installation of the B2C2 satellite modem and the TechniSat software. It is important to note that it is possible to remove the AOL application and still retrieve your AOL email, be part of the AOL Instant Messenger list, etc. using a standard Internet browser (i.e. Internet Explorer, Netscape, etc.), if desired, together with the satellite modem. Once AOL is removed and all of the satellite software installed and running, you can reinstall AOL 9.0.

### **Static Electricity Warning**

To prevent static damage to electronic components, observe the following precautions:

- ★ Touch an anti-static or grounded surface such as a large metal object to discharge static from your body before you remove the electronic components from their packaging and before touching system components.
- ★ Handle system components only at the corners. Never touch any of the metal parts of the electronic components, such as the golden pins that plug into the slot.

### Installing The Internal B2C2 Satellite PCI Modem

To install the internal PCI satellite modem, first insure that the computer is turned off. Following your PC manufacturer's instructions, do the following:

1. Turn the PC off and unplug the power supply.

2. Open the side panel or rear cover of your computer to expose the PCI slots.

**3.** Choose an empty PCI slot you want to place the board in. Unscrew the slot's metal dust protector located on the back cover of the case. Lay the protector to one side.

**4.** Hold the internal PCI satellite modem so that the satellite modem's IC chips are facing downward, the metal contacts are toward the PCI slot.

5. Insert the internal PCI satellite modem firmly into the PCI slot as shown in Figure 1-1.

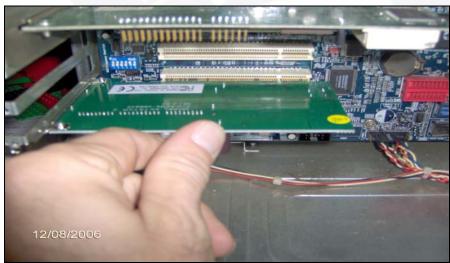


Figure 1-1

**6.** Tighten the screw on the rear of the internal PCI satellite modem so that it is firmly secured to the computer chassis (if available).

7. Replace the access cover of your computer case.

### Installing External USB Satellite Modem

To install the external USB satellite modem, do the following steps. There's no need to turn off the computer at this time.

**1.** Connect the power cord, one end to the power outlet, the other to the DC IN connector on the back of the external USB satellite modem.

**2.** Connect the external USB satellite modem cable, one end to the USB port on the PC. **DO NOT** connect the other end to the USB port on the back of the external USB satellite modem yet.

**3.** Connect the coaxial cable from the satellite dish to the female plug on the TechniSat modem you just installed.

# **2** Installing Drivers

(\*The PCI and USB drivers are located on the CD supplied with your B2C2 satellite modem. It is necessary to install the modem and drivers prior to installing the satellite software) Our drivers support Windows XP and Windows 2000 Professional. The procedure for the driver installation for the Internal PCI satellite modem and the External USB satellite modem are the same. If installing the External USB satellite modem drivers, plug in the USB cable into the back of the B2C2 satellite modem at this time.

### Windows XP

To install the B2C2 satellite modem driver on Windows XP, you must be logged on as an Administrator or have Administrator Privileges.

1. When you start your computer for the first time after installing the B2C2 internal PCI satellite modem, or after plugging in the external B2C2 USB satellite modem, the Plug-N-Play feature should recognize the new modem installed (Figure 2-1).



Figure 2-1

2. The New Hardware Wizard window will appear (Figure 2-2). Click the bottom radio button to select "No, not this time" (If this window does not appear on your system, skip to **Step 3**). Then click **Next** to continue.



Figure 2-2

**3.** Select the radio button to install the software automatically, then click **Next** to continue (Figure 2-3).



Figure 2-3

4. The computer will now search through the CD for the appropriate drivers (Figure 2-4).

Found New Hardware Wizard	
Please wait while the wizard search	es
B2C2 Broadband Rovr USB /	Adpt.
	<back next=""> Cancel</back>
Fig	gure 2-4

5. Select **Continue Anyway** when reported that the TechniSat modem has not passed Windows Logo testing as shown below in Figure 2-5.



Figure 2-5

6. Windows XP continues installing for the correct drivers (Figure 2-6).

Found New Hardware Wizard		
Please wait while the wizard install	s the software	
TechniSat DVB-PC TV Star	USB	
6		3
		Vext > Cancel

Figure 2-6

7. After Windows XP finds and installs the appropriate drivers, click Finish (Figure 2-7).



Figure 2-7

8. Windows XP will then display that the new hardware was found, is installed and is ready to use (Figure 2-8).



9. Remove the CD from the CD Rom drive and restart your computer.

You have successfully installed the drivers and are ready to install the TechniSat modem software. Proceed to **Chapter 3: Installing The Software.** 

# **3** Installing the Software

The application used to configure and maintain the TechniSat modem is located on the installation CD provided with the B2C2 PCI or USB modem. To install it, you'll need to insert the CD into the CD Rom drive.

**1.** Windows XP will automatically start the CD and ask you to select the Setup language. Then click **OK** (Figure 3-1).



Figure 3-1

2. The Install Shield Wizard will start to load automatically (Figure 3-2).



Figure 3-2

3. The software License Agreement will be displayed next as shown in Figure 3-3 below. Click **Yes** to continue with the software installation. If you select **No**, the software will not be installed.

icense Agreement			
Please read the following license agreer	ment carefully.		200
Press the PAGE DOWN key to see the	rest of the agreement.		
TechniSat DVB-PC TV Star License Ag	greement		<u>_</u>
This is a legal agreement between you TechniSat Digital GmbH ("TechniSat") and the satellite card ("Card").			
1. GRANT OF LICENSE. This Agreement permits you to use the the Software on that computer.	Card on a single computer	and to use one o	copy of
Do you accept all the terms of the prece setup will close. To install Broadband F			Lo, the
allShield			
	< Back	Yes	No

Figure 3-3

**4.** Windows XP will automatically select the Destination Folder. Click Next to continue (Figure 3-4).

Satellite Broadband Receiver Setup			×
Choose Destination Location Select folder where Setup will install files.			NEX.
Setup will install Broadband Receiver in the	following folder.		
To install to this folder, click Next. To install another folder.	to a different folder,	click Browse a	ind select
Destination Folder C:\Program Files\Broadband4PC		ſ	Browse
InstallShield			
	< Back	Next >	Cancel
Fig	jure 3-4		

5. Windows XP will automatically select the Program Folder. Click Next to continue (Figure 3-5).

elect Program Folder		100
Please select a program folder.		
Setup will add program icons to the F name, or select one from the existing	Program Folder listed below. You may folders list. Click Next to continue.	type a new folder
Program Folders:		
Broadband4PC		
Existing Folders:		
Accessories		
Administrative Tools Adobe		
AIM		
All in One v2		
All2WAV Recorder		
Apple Software Update BearShare		
Broderbund		<b>.</b>
allShield		
	< Back Next>	Cancel
	K Back INext 2	Lancer

6. Windows XP will start the software installation. This may take up to several minutes depending on your computer (Figure 3-6).

Satellite Broadband Receiv	ver Setup	×
Setup Status		AL.
Broadband Receiver Setu	p is performing the requested operations.	
Installing:		
	89%	
InstallShield		Cancel



**7.** Windows XP will now begin the second phase of the software installation as shown in Figure 3-7. This may take several minutes depending on your computer.



8. Windows XP will now load the software necessary for the StarConnect Satellite VPN. The Install Wizard will start automatically. Click Next to continue (Figure 3-8).



Figure 3-8

**9.** The software License Agreement will be displayed next as shown in Figure 3-9 below. Click **Yes** to continue with the software installation. If you select **No**, the software will not be installed.

StarConnect SAT VPN v	2.02 Setup			
(P)	License Agree Please review th VPN v2.02.		oefore installing St	arConnect SAT
Press Page Down to see t	ne rest of the agree	ement.		
OpenVPN (TM) An Ope	n Source VPN daem	on		
Copyright (C) 2002-2005	OpenVPN Solutions	LLC <info@open< th=""><td>vpn.net&gt;</td><td>_</td></info@open<>	vpn.net>	_
(plus OpenVPN GUI and N	y Certificate Wizar	d)		
This distribution contains of different authors. Som fall under different license or any of the bundled cor	e of the component s. By using OpenVI	s PN		-
If you accept the terms of			tinue. You must a	ccept the
agreement to install StarC	onnect SAT VPN v2	.02.		
lisoft Install System v2.05				
		< Back	I Agree	Cancel
	Eigu	re 3-9		69- A

**10.** The software will automatically select which components to install on your computer. Click **Next** to continue (Figure 3-10). **Do not** change any of the settings at this time.

StarConnect SAT VPN v2.0	2 Setup
IPN PN	Choose Components Choose which features of StarConnect SAT VPN v2.02 you want to install.
Select the components to inst processes or the OpenVPN se	all/upgrade、Stop any OpenVPN or StarConnect SAT VPN GUI rvice if it is running.
Select components to install:	<ul> <li>StarConnect SAT VPN User-Space Components</li> <li>StarConnect SAT VPN GUI</li> <li>AutoStart StarConnect SAT VPN GUI</li> <li>Hide the TAP-Win32 Virtual Ethernet Adapter</li> <li>StarConnect SAT VPN Service</li> <li>StarConnect SAT VPN File Associations</li> </ul>
Space required: 1.5MB	Description Position your mouse over a component to see its description.
Julisoft Install System v2.05	
	< Back Next > Cancel
	Figure 3-10

**11.** The software will automatically select the Install Location. Click Install to continue (Figure 3-11).

StarConnect SAT VPN v	v2.02 Setup			
IP!	Choose Instal Choose the fol	II Location der in which to ins	tall StarConnect	5at VPN v2.02.
Setup will install StarConn folder, click Browse and se				
Destination Folder				]
Destination Folder	Connect SAT VPN		Br	rowse
C:\Program Files\Star	rConnect SAT VPN		B	owse
C:\Program Files\Star	rConnect SAT VPN		Br	owse
C:\Program Files\Star 5pace required: 1.5MB 5pace available: 11.2GB	N CONTRACTOR		Br	owse
	N CONTRACTOR	< Back	Bi	owse

Figure 3-11

**12.** Windows XP will now install the StarConnect Satellite VPN software into the appropriate locations on your computer (Figure 3-12).

tarConnect SAT VPN v2.02 Setup		
Installing		
Please wait while Sta	rConnect SAT VPN v2.02 is being instal	led.
reate shortcut: C:\Documents and Settings\.	\Start Menu\Programs\StarConne	ct S
Create folder: C:\Program Files\StarConnect SAT	VPN\log	
Output folder: C:\Program Files\StarConnect SA1	VPN\bin	_
Extract: libeay32.dll		
Extract: ssleay32.dll		
Output folder: C:\Program Files\StarConnect SA1	「VPN\bin	
Extract: tapinstall.exe		
Output folder: C:\Program Files\StarConnect SA1	VPN\driver	
Extract: tap0801.sys		
Extract: OemWin2k.inf	Action Mars (December (Charges)	
Create folder: C:\Documents and Settings\ Create shortcut: C:\Documents and Settings\	\Start Menu\Programs\StarCon \Start Menu\Programs\StarC	
Create shortcut: C:\Documents and Settings\ Create shortcut: C:\Documents and Settings\	(Start Menu\Programs(StarC	
Croace shorecarrier(pocarrieries and pocarigs)	(Jocare Hondy Fogland Jocare III)	
oft Install System v2.05		_
	<back next=""> Can</back>	00

- Figure 3-12
- **13.** Select **Continue Anyway** when reported that the StarConnect Satellite VPN software has not passed Windows Logo testing as shown below in Figure 3-13.

StarConnect	SAT VPN v2.02 Setup	- 🗆 ×
Hardy	unstalling vare Installation	lled.
TAP-V Extr Extr Crea Crea Crea tapir TAP- No c tapir No c tapir TAP-	The software you are installing for this hardware: TAP-Win32 Adapter V8 has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impa or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.	ir
Nulisoft I	Continue Anyway STOP Installation	
	< Back Next >	Cancel

Figure 3-13

14. Once the StarConnect Satellite VPN software is installed, click Next to continue (Figure 3-14).

StarConnect SAT VPN v2	2.02 Setup			
(PN	Installation Complete Setup was completed :			
Completed				
Previous Service REMOVE OpenService failed - The		t evict ac a	n installed service	(0×4
Service INSTALL			T Installed Sel Vice.	0.00
OpenVPN Service installed Output folder: C:\Program		VPN		
Extract: INSTALL-win32.t	xt			
Extract: license.txt Extract: openypn.ico				
Create shortcut: C:\Docu Create shortcut: C:\Docu Created uninstaller: C:\Pr Completed	ments and Settings\	\Start	Menu\Programs\S Menu\Programs\S ninstall.exe	Contraction of the second s
1				
lsoft Install System v2.05 -				art.
		< Back	Next >	Cancel
	Figure 3-	14		

15. Click Finish to complete the software installation (Figure 3-15).



**16.** After the software installation is completed, you must restart your computer for the software to take effect. Remove the CD from the CD Rom Drive at this time and click **Finish** (Figure 3-16).



Figure 3-16

# **4** Entering Settings

### **Changing Transponder Frequencies**

**Note:** This section was included in the manual for future changes – Do <u>NOT</u> change current settings at this time.

**WARNING:** It is necessary to follow this step-by-step procedure closely. Altering these settings out of sequence or entering invalid data can disable your satellite connection and necessitate a software reinstall.

1. Double left click your mouse button on the round satellite signal (either red or green) next to the clock on the Task Bar (Figure 4-1).



Figure 4-1

This will open your Setup4PC window as shown in Figure 4-2.

🕷 Setup4PC
DAS'ORIGINAL
Satellite Settings   Statistics   Options
Satelike
AMC6  Add Edit Delete
Transponder Management
Program Management
Data Services
Status Close

Figure 4-2

2. Left click your mouse on the Transponder Management button as shown in Figure 4-3.

Satellite Settings Statistics Options Statellite Settings Statistics Options Statellite AMCS	å Setup4PC
Satellite Settings Statistics Options Statellite AMC6 Statellite Add Edit Delete Transponder Management Program Management Data Services	NAME AND A DESCRIPTION OF A DESCRIPTIONO
Satellite Add Edit Delete Transponder Management Program Management Data Services	DAS ORIGINAL
AMC6 Add Edit Delete Transponder Management Program Management Data Services	
Add Edit Delete Transponder Management Program Management Data Services	
Program Management	
Program Management Data Services	
Data Services	
Status Close	
Status Close	
	Status Close
Figure 4-3	

3. This will now open your Transponder Management window as shown in Figure 4-4.

ransponder	Search & Scan		
<mark>11726 MHz</mark> : H/L	Start Frequency:	11726	MH:
	End Frequency:	11726	MH:
	Step Size:	5 N	MH:
	Symbol Rate: 1	8000 k	kS/
	2	ł	kS/
	3	k	kS7
Add Edit Delete	Search	& Scan	

Figure 4-4

4. Now highlight the transponder in the **Transponder** window on the upper left, then left click on **Edit** (Figure 4-5).

Transponder	Search & Scan		ř
11726 MHz : H/L	Start Frequency:	11726	MHz
1	End Frequency:	11726	MHz
199	Step Size:	5	MHz
	Symbol Rate: 1	8000	kS/s
	2		kS/s
ļ	3 🗍		kS/s
Add Edit Delete	Search	& Scan	

Figure 4-5

5. This will now show your Edit Transponder window. Please check to make sure that the Transponder is set to 11726, the Symbol Rate is set to 8000, the FEC is set to <sup>3</sup>/<sub>4</sub> and the Polarity is set to Horizontal/Left (High). If any of your settings are different, please change them now to the correct settings (Figure 4-6).

AMC6 👻	Transponder Information
Transponder Settings Transponder: 11726 MHz Tuner Frequency: 976 MHz Symbol Rate: 8000 kS/s FEC: 3/4 Polarity: Horizontal/Left (High)	Network:     No Information       Orbital Position:
Antenna Settings LNB Frequency: 10750 MHz LNB Selection: None DiSEqC: None	Reset Statistics

- Figure 4-6
- 6. If you have to make any changes, this will highlight the **Tune** button (Figure 4-7). If you didn't have to make any changes, just retype the **Transponder** to highlight the **Tune** button. Left click on the **Tune** button after making your changes and the **Network** will change from No Information to Acquiring.... After the **Network** changes back to No Information, right click on the round satellite signal (either red or green) in the Task Bar next to the clock and then left click on **AMC-6 :: StarConnect** (Figure 4-8).

AMC6	Transponder Information       Network:     No Information       Orbital Position:
Antenna Settings LNB Frequency: 10750 MHz LNB Selection: None DiSEqC: None	Reset Statistics



✔ AMC-6 :: Starconnect	
Setup4PC	
About DVB Receiver	
Exit	No Signal.
Ş	7 <b>2 1</b> 3:34 PM

7. Now go back to the Edit Transponder window and left click on OK as shown in Figure 4-9.

AMC6	· ·		Transponder Infor	mation	
Fransponder Settings		10	Network:		No Information
Transponder:	11726	MHz	Orbital Position:		
Tuner Frequency:	976	MHz	Signal Quality:	<b>(</b>	0% Out Of Lock
Symbol Rate:	8000	kS/s	SNR (dB):		
FEC:	▼ 3/4		BER:		
Polarity:	Horizontal/Left (High)		ben.		
Antenna Settings					
NB Frequency:	10750	MHz			
_NB Selection:	None	ā.			
DiSEqC:	None				Reset Statistics

Figure 4-9

8. You will now be on the Transponder Management window. Check to make sure that the Start Frequency and the End Frequency both have a value of 11726 in the boxes and the Symbol Rate 1 has a value of 8000 in the box. If any are different, please change them at this time as shown in Figure 4-10.

ansponder	Search & Scan	
🗾 11726 MHz:H/L	Start Frequency:	► 11726 MH
	End Frequency:	▶ 11726 МН
	Step Size:	5 мн
	Symbol Rate: 1	► 8000 kS/
	2	kS/
	3	kS/
Add Edit Delete	Search & S	can

Figure 4-10

**9.** Now right click on the round satellite in the Task Bar next to the clock. This will bring up a menu. Left click on AMC-6 :: StarConnect as shown in Figure 4-11.



Figure 4-11

10. Now left click on Close to close the Transponder Management window (Figure 4-12).

ransponder	Search & Scan
<mark>/</mark> 11726 MHz:H/L	Start Frequency: 11726 MH;
	End Frequency: 11726 MH;
	Step Size: 5 MH:
	Symbol Rate: 1 8000 kS/
	2 ks/
	3 KS/
Add Edit Delete	Search & Scan

Figure 4-12

**11.** Now left click your mouse on the Status button as shown in Figure 4-13.

AMC6
AMC6
Transponder Management
Program Management
Data Services

Figure 4-13

**11.** The **Transponder Status** window will open. Left click your mouse button on the Down Arrow to the right of the **Current Settings** window (upper left side of Transponder Status window) and left click on **Manual Settings** (Figure 4-14).

Tuner Frequency:     976       Symbol Rate:     8000       FEC:     3/4       Polarity:     Horizontal/Left (High)       Antenna Settings     10750       LNB Frequency:     10750	MHz
DiSEqC: None	Reset Statistics

Figure 4-14

**12.** Once you select manual Settings, change the **Transponder** to 11726, change the **Symbol Rate** to 8000, change the **FEC** to <sup>3</sup>/<sub>4</sub> and the **Polarity** should be Horizontal/Left (High) as shown in Figure 4-15.

			Network:		Ac	quiring
Fransponder Setting	2					quantig
Fransponder:	11726	MHz	Orbital Position:			
Tuner Frequency:	976	MHz	Signal Quality:	0	0%	Out Of Lock
Symbol Rate:	8000	kS/s	SNR (dB):		_	
EC:			BER:			
Polarity: 💽	Horizontal/Left (High)	-	-			
Antenna Settings						
NB Frequency:	10750	MHz				
_NB Selection:	▼ None					
DiSEqC:	✓ None				Rese	et Statistics

Figure 4-15

**13.** After making the above changes, the **Tune** button will light up (Figure 4-16). If your settings are correct, just retype the **Transponder** so that the **Tune** button lights up. Left click on the **Tune** button. Under the **Transponder Information** the Network box will change from No Information to Acquiring....

Manual Settings 📃 💌	Transponder Information
Transponder Settings Transponder: 11726 MH Tuner Frequency: 976 MH Symbol Rate: 8000 kS. FEC: 3/4 Polarity: Horizontal/Left (High)	1z Signal Quality: 🥳 0% 00/0/Lock
Antenna Settings LNB Frequency: 10750 MH LNB Selection:  Vone DiSEqC: Vone None	łz Reset Statistics

Figure 4-16

14. Once the Network box changes back to No Information (Figure 4-16) right click on the round signal (either red or green) in the Task Bar next to the clock (Figure 4-17).



Figure 4-17

15. This will open a menu as shown in Figure 4-18. Left click once on the AMC-6 :: StarConnect item (Figure 4-19)



Figure 4-18



Figure 4-19

**16.** Now click **Close** on the **Transponder Status** window (Figure 4-20).

Transponder Status	
Manual Settings         Transponder Settings         Transponder:       11726         Tuner Frequency:       976         Symbol Rate:       8000         KS/         FEC:       ▼ 3/4         Polarity:       ▼ Horizontal/Left (High)	Iz Signal Quality: 🕜 🕅 🖓 🗍 🖓 👘
Antenna Settings LNB Frequency: 10750 MH LNB Selection: None DiSEqC: None	Iz Reset Statistics
Tune	Close 4

Figure 4-20

17. Now left click on Close to close the Setup4PC window (Figure 4-21).

atellite Settings	Statistics   Options
	Satellite
	AMC6
	Transponder Management Program Management
	Data Services

Figure 4-21

### **Editing User Information**

1. Right click on the double red computer screens in the Task Bar next to the clock (Figure 4-22).

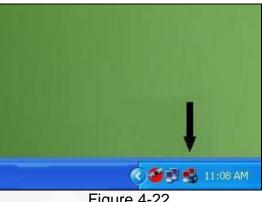


Figure 4-22

2. You will see a menu pop up, as in Figure 4-23. Left click on Edit Config.



Figure 4-23

3. Once your Edit Config window is open (Notepad file), you will be changing the seventh line from the bottom (line with arrow). Type your line to match **EXACTLY** as the line in Figure 4-24. NOTE: Notice that there is one space between the second "S" in pass and the "U" in userinfo.txt

📕 starconnect.ovpn - Notepad
File Edit Format View Help
client dev tap proto tcp remote satvpn01.starconnectllc.com 1195 remote satvpn02.starconnectllc.com 1195 remote-random resolv-retry infinite nobind persist-key persist-tun cipher none auth-user-pass userinfo.txt pull ca ca.bin redirect-gateway comp-lzo
verb 4 mute 20

Figure 4-24

4. Next, left click on File and then left click on Save. Once the file is saved, left click on File again and then left click on Exit (Figure 4-25).

📕 starconn	ect.ovpn -	Notepad
File Edit Fo	rmat View	Help
New Open Save	Ctrl+N Ctrl+O Ctrl+S	
Save As	CUIHD	arconnectllc.com 1195 arconnectllc.com 1195 -
Page Setup Print	 Ctrl+P	ite _
Exit		
auth-user pull ca ca.bin redirect- comp-lzo		erinfo.txt
verb 4 mute 20		4.05

Figure 4-25

5. Next left click on the Start button, hold your mouse over All Programs and let it expand out, then hold your mouse over the StarConnect SAT VPN folder and let it expand out, then highlight StarConnect SAT VPN configuration file directory and left click on it (Figure 4-26). This will open a File Folder as shown in Figure 4-27. Double left click on the userinfo.txt file.

Notepad	🛗 StarConnect SAT VPN	Þ	🛅 StarConnect SAT VPN configuration file directory
Notepad	🛅 Startup	•	🛃 StarConnect SAT VPN GUI
FreeCell	0 WinRAR	•	StarConnect SAT VPN Help Site
	🚮 Adobe Reader 7.0		🛅 StarConnect SAT VPN log file directory
FlashFXP	🧇 FlashFXP	_	🏠 Uninstall StarConnect SAT VPN
	🍃 🔊 HP PrecisionScan Pro	2	
All Programs 👂	🍯 Internet Explorer		
	MSN		
	🔄 🇐 Outlook Express		
🦺 start 🔰 🙆	Remote Assistance		

Figure 4-26

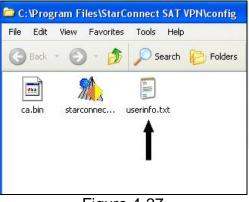


Figure 4-27

6. Once your **userinfo.txt** file opens in Notepad, hold down the Delete key until both lines disappear. Then, you will need to change the first two lines to reflect **EXACTLY** what is in Figure 4-28. The **yourusername** you will change to your actual username assigned to you and **yourpassword** you will change to your actual password assigned to you. Please type everything in lowercase. Also, please double check your typing and spelling as this is critical for logging onto the satellite.

D u	serir	fo.txt -	Note	pad	
File	Edit	Format	View	Help	
youi youi	ruse rpas	rname@ sword	3star	connect.com	

7. Now, left click on **File** and then left click on **Save** to save the information you just typed (Figure 4-29).

Open Ctrl+O
Save Ctrl+S
Save As
Page Setup
Print Ctrl+P
Exit

8. Once you save the file, next left click on File again and then click on Exit to close the file.

### **Editing User Settings**

1. Double left click your mouse button on the round satellite signal (either red or green) next to the clock on the Task Bar (Figure 4-30).



Figure 4-30

2. This will open your Setup4PC window as shown in Figure 4-31.

Satellite Settings	RIGINAL
	Satellite
	AMC6
	Transponder Management
	Program Management
	Data Services

Figure 4-31

3. Left click you mouse on the Data Services button as shown in Figure 4-32.

DAS <sup>®</sup> OR	A dy and a to the start a band a bank to the day of the band and
Satellite Settings Sta	tistics   Options
	Satellite
	AMC6
	Add Edit Delete
	Transponder Management
	Program Management
	Data Services
2	

Figure 4-32

4. This will bring up the Data Services window as shown in Figure 4-33. First check to make sure that the MAC Source is set to User Defined IP. If it isn't, left click on the down arrow to display a drop down menu. Highlight User Defined IP and left click on it. Next, you will type in your IP address, which was provided to you when you first called in after receiving your equipment. Please type it in carefully as this is critical for proper operation. Finally, you will type AE for the MAC Address location (Figure 4-33). Once this is completed, left click on the Apply button, then on the OK button to close the window (Figure 4-34).

Provider Name	Transponder
AMC-6	Starconnect : 11726 MHz
AAC Source: User Defined IP P Address: 10 . 60 . 0 . 0	
MAC Address: 00 00 0A 3C 00 0	
PID List	Proxy Auto-Authentication
0x0204	User Name
Insert 0x0220	Password
Remove 0x0225 0x0228 0x0220 0x0220 0x0250	
Auto-Set Multicast PIDs	

Figure 4-33

Data Services		
Provider Name		Transponder
AMC-6	•	Starconnect : 11726 MHz
AddEdit	Delete	
Unicast MAC Filter		
MAC Source: User Define	IIP 💌	
IP Address: 10 . 60	. 0 . 0	
MAC Address: 00 00 04	3C 00 00	Add Edit Delete
PID List		Proxy Auto-Authentication
🔽 Hexadecimal	0x0200	User Name:
Insert	0x0204 0x0210 0x0220	Password:
	0x0225 0x0228	
Remove	0x0250	
Auto-Set Multicast PIDs		
Apply	•	Cancel

Figure 4-34

5. Finally, left click on Close on the Setup4PC window (Figure 4-35).

Satellite Settings	Statistics   Opti	ons			
	Satellite	AMC6		•	
	A	dd	Edit	Delete	
		Transpond	ler Manageme	ent	
		Program	Managemen	]	
		Data	a Services		

Figure 4-35

# **5 Dial-up Setup**

### Windows XP

1. To create a dial-up connection in Windows XP, begin by left clicking on **Start** and then highlight the **Control Panel** (Figure 5-1). Left click on it. This will open your **Control Panel** window (Figure 5-2).



Figure 5-1

File Edit	View Favorite	s Tools He	lp						
G Back	© - 💋	Search	n 🌔 Folder	s 🕼 🌶	XS	·			
Ġ,	<b>X</b>	T	-	2	P	8	I	1	and a
Accessibility Options	Add Hardware	Add or Remov	Administrative Tools	Automatic Updates	Date and Time	Display	Folder Options	Fonts	Game Controllers
	1	C					EV.		
Internet Options	Keyboard	Mouse	Network Connections	Network Setup Wizard	NVIDIA nView Desktop M	Phone and Modem	Portable Media F Devices	ower Options	Printers and Faxes
١		B	۲		O,	2	(1)	S	
Regional and Language	Scanners and Cameras	Scheduled Tasks	Security Center	Sound Effect Manager	Sounds and Audio Devices	Speech	Symantec LiveUpdate	System	Taskbar and Start Menu
93		((()	Se la constante						
Jser Accounts		Wireless Network Set	Java						

2. Next, double left click on Internet Options (Figure 5-3).

File Edit '	view Favorite	es Tools He	lp						
G Back -	6 - 6	) Search	n 😥 Folder	s 🕼 🌶	×v	<b></b>			
Ġ.	×	<b>I</b>	-	2	P	1	I		S
Accessibility Options	Add Hardware	Add or Remov	Administrative Tools	Automatic Updates	Date and Time	Display	Folder Options	Fonts	Game Controllers
	1	C			<b></b>		R	-	
Internet Options	Keyboard	Mouse	Network Connections	Network Setup Wizard	NVIDIA nView Desktop M	Phone and Modem	Portable Media I Devices	Power Options	Printers and Faxes
١	3	B	۲		O,	2	(m)	S	
Regional and Language	Scanners and Cameras	Scheduled Tasks	Security Center	Sound Effect Manager	Sounds and Audio Devices	Speech	Symantec LiveUpdate	System	Taskbar and Start Menu
<u>8</u> 2	6		1						
Jser Accounts	Windows Firewall	Wireless Network Set	Java						

Figure 5-3

**3.** Once your **Internet Options** window is open, left click on the **Connections** Tab across the top (Figure 5-4). This will open a window as shown in Figure 5-5.

General Security Privacy Content Connections Progr	ams Advanced
You can change which page to use for your home Address: http://www.yahoo.com/	page.
Use Current Use Default Use	se Blank
Temporary Internet files Pages you view on the Internet are stored in a spo for quick viewing later. Delete Cookies) Delete Files	ecial folder ettings
History The History folder contains links to pages you've of quick access to recently viewed pages. Days to keep pages in history:	visited, for ear History
Colors Fonts Languages A	Accessibility
OK Cancel	Apply
Figure 5-4	

eneral Security Privacy Content	Connections	Programs Advance
To set up an Internet connections Setup. - Dial-up and Virtual Private Network set		Setup
		Add
		Remove
Choose Settings if you need to config server for a connection.	ure a proxy	Settings
<ul> <li>Never dial a connection</li> </ul>		
O Dial whenever a network connection	on is not pres	ent
O Always dial my default connection		
		Set Default
Current		Gereverdan
Current Local Area Network (LAN) settings		
		LAN Settings

4. If you have any dial-up connection(s) currently set up in the **Dial-up and Virtual Private Network Settings** box, you must remove it (them all) at this time. To remove, left click on the connection to highlight it, then left click on the **Remove** button (Figure 5-6).

ieneral Security Privacy Content C	Connections	Programs Advance
To set up an Internet connectio Setup,		Setup
Dial-up and Virtual Private Network set	tings	_
Highlight connection in this	window	Add
1053 15		Remove
Choose Settings if you need to configue server for a connection.	ure a proxy	Settings
<ul> <li>Never dial a connection</li> </ul>		
O Dial whenever a network connection	on is not pres	ent
O Always dial my default connection		
		Set Default
O Always dial my default connection		Set Default
O Always dial my default connection Current:		Set Default

Figure 5-6

**5.** Once they are all removed, click on the **Add** button to create a new dial-up for NRBB as shown in Figure 5-7.

eneral	Security	Privacy	Content	Connections	Programs	Advance
2	To set up Setup.	an Interr	net connec	tion, click	Setu	ip
Dial-u	ip and Virtu	ial Private	Network :	settings	-	
					Add	ł
					Rem	ove
	se Settings er for a con		ed to conf	igure a proxy	Settir	igs
	ever dial a					
0.2000	lways dial n	er a netwo	ork connec	ction is not pres n	ent Set D	efault
O Al Curre	lways dial n	er a netwo ny default	ork connectio	Repeated to the second second		efault
Curre Local	lways dial n ent Area Netw	er a netwo ny default vork (LAN) not apply	ork connectio connectio   settings	n connections.		

Figure 5-7

6. The New Connection Wizard window will open. Select Dial-up to private network and then left click on Next (Figure 5-8).

ew Co	nnection Wizard 🛛 💈
	e of Connection Select the type of the connection.
->	O Dial-up to private network. Connect using my phone line (modem or ISDN).
	Connect to a private network through the Internet. Create a Virtual Private Network (VPN) connection or tunnel through the internet.
	Connect directly to another computer. Connect using my serial, parallel, or infrared port.
	Connect to the network via broadband Connect through my broadband connection.
	< Back Next > Cancel
	Figure 5-8

**7.** Enter the phone number provided to you (local dial-up number) and then left click on **Next** as shown in Figure 5-9.

10.000	inection Wizard
	e Number to Dial 'hat is the phone number you will use to make this connection?
Ty	pe the phone number below.
	Phone number:
	5551212
	You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.

Figure 5-9

**8.** The next window will open as shown in Figure 5-10. Hit the DELETE key to remove the dialup connection already in the box.

inished	
The wizard is ready to create your connection	· •
Type a name you want for this connection:	
Dial-up Connection	
Click Finish to save it in the Network Connecti	ions folder.
To edit this connection later, select it, click the and then click Properties.	e File menu,

Figure 5-10

9. Now you will type your connection name in this box and then left click on Finish (Figure 5-11).

<b>1</b>
Frith Carcel

Figure 5-11

**10.** Check to make sure that no boxes are checked in this window. If any boxes are checked, please uncheck them at this time. Then left click on **OK** Figure 5-12).

ew connection	Settings	? 🛛
Automatic configu	uration	
	uration may override manual sett ttings, disable automatic configur	
Automatically	detect settings	
Use automatic	configuration script	
Address		
Proxy server		
	erver for this connection (These r connections).	settings will not
Address:	Port:	Advanced
Address:	Port:	Advanced
Address:	Port:	Advanced
Address:	Port:	

Figure 5-12

**11.**Next, select the radio button which states **Never dial a connection** as shown in Figure 5-13.

	y Privacy Content up an Internet connec		Setup	
Dial-up and V	itual Private Network :	ettings		-
S nrbb o	and a support of the last state of the		Add	
			Renove	
Choose Settin	igs if you need to conf	igure a proxy	Settings	
	ever a network connection il my default connection			
Curretit	Syfx		Set Defau	
	stwork (LAN) settings			
Local Area Ne	and a far and a second s	Section and the	LAN Setting	n
LAN Settings	do not apply to dial-up igs above for dial-up s			

Figure 5-13

**12.** Now click on **LAN Settings** as shown in Figure 5-14.

ieneral 1	Security	Privacy	Content	Connections	Programs	Advanced
•	To set up Setup.	an Interr	et connec	tion, click	Setu	
Dial-up	and Virtu	al Private	Network s	ettings	-	
9.	bb defaul				Add	1
					Rem	ove
	Settings for a con		ed to conf	igure a proxy	Settin	gs
ODia	whenev			tion is not pres	ent	
Current		SkyFx			Set D	elault
Local A	rea Netw	rork (LAN)	settings			
			to dial-up r dial-up s	connections. ettings.	LAN Se	ttings

Figure 5-14

**13.** Check to make sure that no boxes are checked in this window. If any boxes are checked, please uncheck them at this time. Then left click on **OK** (Figure 5-15).

al Area Network (LA	un) settings	
Automatic configuration – Automatic configuration m	nav override manual set	tings. To ensure the
use of manual settings, di		
Automatically detect s	ettings	
Use automatic configu	ration script	
Address		
Proxy server		
Use a proxy server for dial-up or VPN connect	r your LAN (These settii rions).	ngs will not apply to
Address:	Port:	Advanced
Bypass proxy serv	er for local addresses	
		Cancel

Figure 5-15

**14.** First left click on **Apply** to save the settings, then left lick **OK** to close the window (Figure 5-16).



Figure 5-16

15. On your Control Panel double left click on Network Connections as shown in Figure 5-17.

File Edit	View Favorite	es Tools He	lp						
G Back -	🕤 - 🗗	5 Search	n 😥 Folders	5 3	×v	•			
Ġ.	×	<b>I</b>	-	2	P	1	I		and the second s
Accessibility Options	Add Hardware	Add or Remov	Administrative Tools	Automatic Updates	Date and Time	Display	Folder Options	Fonts	Game Controllers
Ø	1	C			<b></b>			-	
Internet Options	Keyboard	Mouse	Network Connections	Network Setup Wizard	NVIDIA nView Desktop M	Phone and Modem	Portable Media P Devices	ower Options	Printers and Faxes
١	3	B	۲		Ø,	2	(m)	<b>S</b>	
Regional and Language	Scanners and Cameras	Scheduled Tasks	Security Center	Sound Effect Manager	Sounds and Audio Devices	Speech	Symantec LiveUpdate	System	Taskbar and Start Menu
93	6		5						
Jser Accounts	Windows Firewall	Wireless Network Set	Java						

Figure 5-17

**16.** Right click on the NRBB under **Dial-up** in your **Network Connections** window. When the menu displays, highlight **Create Shortcut** and left click on it (Figure 5-18).

File Edil	t View Favorites Tools Ad	vanced Help		
G Back	<ul> <li>Search</li> </ul>	Folders	× ≌	
Name		Туре	Status	Device Name
Dial-up	8			
🔓 SkyFx		– Dial-up	Disconnected	56HP92-PCT #2
LAN of	Connect Status			
4 Local	Cancel as Default Connection	LAN or High-Speed Internet	Connected	TechniSat DVB-PC TV Star USB
Local	Create Copy	LAN or High-Speed Internet	Network cable unplugged Connected	TAP-Win32 Adapter V8 Realtek RTL8139/810x Family Fast Ethernet NI0
🕹 Local 🚽	Create Shortcut	LAN or High-Speed Internet		
Wizar	Delete Rename			
💽 New 🗌	Properties	Wizard Wizard		

Figure 5-18

**17.** When Windows XP asks if you want to create the shortcut on your desktop, left click **Yes** as shown in Figure 5-19.



Your dial-up connection is now on your desktop for easier access when connecting to your dial-up service.

## **Editing Network Connections Settings**

1. On the Network Connections window, look for the Local Area Connection that corresponds to your **TechniSat DVB-PV TV Star USB** connection as shown in Figure 5-20. Hold your mouse over the Local Area Connection that corresponds to your **TechniSat DVB-PV TV Star USB** and right click on it. This will bring up a menu. Left click on **Properties** (Figure 5-21).

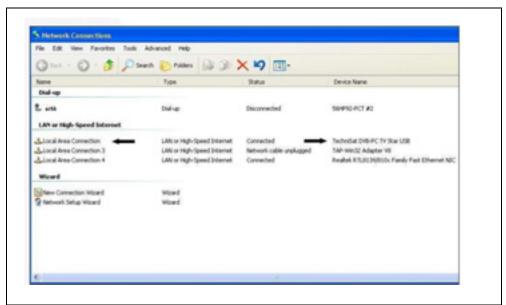


Figure 5-20

Greek .	🕤 · 🍠 🔎 Sea	th 🔁 Folders 🔝 🛞	× 🍤 💷 ·	
Name		Туре	Status	Device Name
Dial-up				
2 arbb		Dial-up	Disconnected	56HP92-PCT #2
	-Speed Internet			
Local Area	Disable Skatus Repar	LAN or High-Speed Internet LAN or High-Speed Internet LAN or High-Speed Internet	Connected Network cable unplugged Connected	TechniSat DVB-PC, TV Star USB TAP-Win32 Adapter VB Realtels RTU8139(510x Family Past Ethernet N
Wizard	Bridge Connections			
New Conr 2 Network 5	Create Shortout Delete Rename	Woard Waard		
	Properties			

Figure 5-21

2. Next make sure that your boxes are checked as shown, then highlight Internet Protocol (TCP/IP) and left click on Properties as shown in Figure 5-22.

eneral	Authentica	ation 4	Advanced		
Connec	ct using:				
	TechniSat D	VB-PC	TV Star US	6B	Configure
'his co	onnection us	es the f	ollowing ite	ms:	
	Client for I				
	File and P			licrosoft	Networks
	QoS Pack				
	Internet P	TOLOGON	TCF7IFJ		+
-	Install		Uninsta		Properties
	ription				
Desc Tran	nsmission Co				tocol. The default
Desc Tran wide	nsmission Co	ork prote	col that pr	ovides c	tocol. The default communication
Desc Tran wide acro	nsmission Co e area netwo ss diverse ir	ork proto nterconr	icol that pr iected net	ovides c vorks.	ommunication
Desc Tran wide acro	ismission Co e area netwo iss diverse ir ow icon in no	ork proto nterconr otificatio	icol that pr nected net n area whe	ovides c works. en conni	communication
Desc Tran wide acro	ismission Co e area netwo iss diverse ir ow icon in no	ork proto nterconr otificatio	icol that pr nected net n area whe	ovides c works. en conni	ommunication
Desc Tran wide acro	ismission Co e area netwo iss diverse ir ow icon in no	ork proto nterconr otificatio	icol that pr nected net n area whe	ovides c works. en conni	communication
Desc Tran wide acro	ismission Co e area netwo iss diverse ir ow icon in no	ork proto nterconr otificatio	icol that pr nected net n area whe	ovides c works. en conne as limited	communication

Figure 5-22

**3.** Check to make sure that your settings match **EXACTLY** those shown in Figure 5-23. If they do not match, please change them accordingly at this time. Then click **OK**.

d automatically if your network supports eed to ask your network administrator for
natically
35.
ter en en en
automatically
/er addresses:
· · · · · · · · · · · · · · · · · · ·
· · · · ·
Advanced
Advanced.

Figure 5-23

4. Click OK on the Local Area Connection Properties window to close it (Figure 5-24).

neral Authentication Advanced	
📖 TechniSat DVB-PC TV StarUS	B Configure
nis connection uses the following iter	
☑ 🔜 Client for Microsoft Networks ☑ 📮 File and Printer Sharing for Mi	icrosoft Networks
🗹 📙 QoS Packet Scheduler	
Internet Protocol (TCP/IP)	
Install Uninstall	Properties
Description	
Transmission Control Protocol/Interr wide area network protocol that pro across diverse interconnected netw	vides communication
Show icon in notification area when	n connected
Notify me when this connection ha	
20 A	OK Cano

 On the Network Connections window, look for the Local Area Connection that corresponds to your Tap-Win32 Adapter V8 connection as shown in Figure 5-25. Hold your mouse over the Local Area Connection that corresponds to your Tap-Win32 Adapter V8 and right click on it. This will bring up a menu. Left click on Properties (Figure 5-26).

Nate	Type	Salus	Cevice Name
Dial-up		200	Distance and one
£ 1120	District	Deconverted	5604932-PCT #2
LAN or High-Speed Internet			
Local Area Connection 3 Local Area Connection 3 Local Area Connection 4 Withard	LAN or High-Speed Internet LAN or High-Speed Internet LAN or High-Speed Internet	Connected Network table unplugged Connected	Technical Deb PC TV Star USB TAP-Win32 Adapter VI Realesk RTL8129(110x Family Fast Ethernet ND
New Connection Wilcard Retwork Setup Wilcard	Word Word		

Figure 5-25

Gree . O	· D Search	Polders 🕞 🛞	X = y	
Name		Type	Status	Device Name
Dial-up				
L MAR		Dial-up	Disconnected	50/P92-PCT #2
LAN or High-Speed	d Internet			
Local Area Connect Local Area Conne Local Area Conne Withard	Deable Status Repair	LAN or High-Speed Diternet LAN or High-Speed Diternet LAN or High-Speed Diternet	Connected Network cable unplugged Connected	Technicat DVB-PC TV Star USB TAP-Win32 Adapter VB Realtek RTL812N(010x Fanily Fast Ethernet N
New Connection	Bridge Connections	wized		
2 technori, Setup W	Oreate Shortout Delote Rename Peoplerties	Ward		

Figure 5-26

6. Next make sure that your boxes are checked as shown, then highlight **Internet Protocol** (TCP/IP) and left click on **Properties** as shown in Figure 5-27.

Local	Area Connec	tion 3 Propert	ies 🥐
ieneral	Authentication	Advanced	
Connec	t using:		
T 🦉	AP-Win32 Adap	oter V8	Configure
This co	nnection uses th	ne following items:	
	Client for Micro		
	File and Printe QoS Packet S	r Sharing for Micros cheduler	oft Networks
	Internet Protoc	The second s	L
_			
	nstall	Uninstall	Properties
Desci	ription		1
wide	area network pr	Protocol/Internet F otocol that provide onnected networks	
Sho	w icon in notifica	ation area when co	nnected
-			ited or no connectivity
		C	
			OK Cancel
		Figure 5-2	7

**7.** Check to make sure that your settings match **EXACTLY** those shown in Figure 5-28. If they do not match, please change them accordingly at this time. Then click **OK**.

nternet	Protocol (TCP/IP) Properties ?
General	Alternate Configuration
this cap	n get IP settings assigned automatically if your network supports ability. Otherwise, you need to ask your network administrator for ropriate IP settings.
📀 OL	otain an IP address automatically
OUs	e the following IP address:
IP ac	Idress:
Subr	iet mask:
Defa	ult gateway:
💿 O E	otain DNS server address automatically
OUs	e the following DNS server addresses:
Prefe	erred DNS server:
Alten	nate DNS server.
	Advanced
	OK Cancel

Figure 5-28

8. Click OK on the Local Area Connection Properties window to close it (Figure 5-29).

ineral Authentication	Advanced	
TAP-Win32 Adapte	er V8	Configure
is connection uses the	00000000 <del>0</del> 0120000	
<ul> <li>☑ ■ Client for Micross</li> <li>☑ ■ File and Printer S</li> <li>☑ ■ QoS Packet Scl</li> <li>☑ ■ Internet Protoco</li> </ul>	Sharing for Microsol heduler	ft Networks
Install	Uninstall	Properties
Description Transmission Control P wide area network prol across diverse intercor	tocol that provides	
] Show icon in notificati ] Notify me when this co		

**9.** On the **Network Connections** window look for the **Dial-up Connection** as shown in Figure 5-30. Hold your mouse over the **NRBB Connection** and right click on it. This will bring up a menu. Left click on **Properties** (Figure 5-31).

G O . 1 P:	isech 🔁 Felders 🕞 🕼	× 47 💷 ·	
Nanie	Type	Setui	Device Name
Dial-up			
L	Dial-up	Deconvected	564P32-PCT #2
LAN or High-Speed Internet			
Local Area Connection	LAN or High-Speed Internet	Connected	TechnSat DYB-PC TY Star USB
Local Area Connection 3	LAN or High-Speed Internet	Network cable unplugged	TAP-We152 Aclepter V8
Local Area Connection 4	LAN or High-Speed Internet	Carneted	Realed ATL8129(810x Family Fast Othernet MIC
Ward			
New Cennection Wased	Woard		
Retwork Setup Woard	Wawd		

Figure 5-30

G 144 · O · 🦻	🔎 Search 🌔 Folders 🔒	> × <>	
Nane	Tide	Status	Denice Name
Dial-up			
Connect Lan Status	Ciel-op	Disconvected	564942-401-42
Cancel as Default Con	LAR or High-Speed 1		Technicial DNB-PC TV SLar USB
Lice Create Copy Lice Create Shortout Delete Rename	LAN or High-Speed I LAN or High-Speed I		cod TAP-Wh/32 Advater 10 Roatest RTLIC20(ISOs Fanily Fast Ethomet 1 Roatest RTLIC20(ISOs Fanily Fast Ethomet 1
2 March 200 March 200	Woard Woard		

Figure 5-31

**10.** Next, select **Networking** on the tabs across the top on the NRBB **Properties** window as shown in Figure 5-32.

NRBB Properties	3						
General Options Security Networking Advanced							
Connect using:							
Modem - Intel(R) 536EP Modem (COM3)							
Configure							
Phone number							
Area code: Phone number:							
V 111-1111 Alternates							
Country/region code:							
· · · · · · · · · · · · · · · · · · ·							
Use dialing rules Dialing Rules							
Show icon in notification area when connected							
OK Cancel	i						
Un Cancer	J						

Figure 5-32

11. Next make sure that your boxes are checked as shown, then highlight Internet Protocol (TCP/IP) and left click on Properties as shown in Figure 5-33.

🕨 NRBB Properties 🔹 💽				
General Options Security Networking Advanced				
Connect using:				
Modem - Intel(R) 536EP Modem (COM3)				
Configure				
Phone number				
Area.code: Phone number:				
V 111-1111 Alternates				
Country/hegion code:				
Use dialing rules Dialing Rules				
Show icon in notification area when connected				
OK Cancel				

Figure 5-33

**12.** Check to make sure that your settings match **EXACTLY** those shown in Figure 5-34. If they do not match, please change them accordingly at this time. Then click **OK**.

eneral	Alternate Configuratio	า		
this cap	n get IP settings assign ability. Otherwise, you ropriate IP settings.			
📀 O E	otain an IP address aut	omatically		
OU:	se the following IP addr	ess:		
IP ac	ddress:			· · · · ·
Subr	net mask:			60 C
Defa	ult gateway:		× .	
📀 Oł	otain DNS server addre	ss automatically		
OU:	se the following DNS se	rver addresses:		
Prefe	erred DNS server:			·/·····
Alter	nate DNS server.			
				Advanced
			ОК	Cancel

- 5-34
- **13.** Click **OK** on the NRBB **Properties** window to close it (Figure 5-29).

🕨 NRBB Properties 🔗 🔀				
General Options Security Networking Advanced				
Type of dial-up server I am calling:				
PPP: Windows 95/98/NT4/2000, Internet V				
Settings				
This connection uses the following items:				
Treference Protocol (TCP/IP)				
QoS Packet Scheduler				
File and Printer Sharing for Microsoft Networks      Gient for Microsoft Networks				
Install. Uninstall Properties				
Description				
Allows other computers to access resources on your computer using a Microsoft network.				
OK Cancel				
UK Cancel				



Figure 5-35 Close your **Network Connections** window and your **Control Panel** window.

## **Getting Online**

Double left click on your NRBB icon on your desktop. Type **yourusername@nrbb.us** under **User name**. Next, type **yourpassword** under **Password**. Now, check the box which states save **this user name and password for the following users.** Left click on **Dial** and wait for your modem to connect (Figure 5-36). Once your modem is connected, double left click on the double red computers in the Task Bar (Figure 5-37). They will both turn yellow and within 30 seconds they will both turn green. Now, open your Internet Explorer and you are ready to surf.

Connect NRBB	? 🔀
R	
User name:	your usemame@NRBB.us
Password:	•••••
Me only	r name and password for the following users:
Diat	111-1111 <b>v</b>
Dial	Cancel Properties Help

Figure 5-36



Figure 5-37

## **Disconnecting from the Internet**

When you want to disconnect, just right click on your StarConnect SAT VPN icon (Fig 5-37) and select disconnect. Then disconnect your dial-up by either double clicking on your NRBB dialup short cut on the desktop and selecting disconnect, or by right clicking the blue computer connection status icon for NRBB dialup on the task bar and click disconnect.