9. A list of available device drivers displays on the screen. Choose "802.11a Wireless LAN Network Adapter," and click Next to continue.

river Files Found Which driver do you want to install ?			
802.11a Wireless LAN Network Av	dpater		
Windows found the following drivers which a	re suitable f	or this device. T	o install one of
these drivers select it from the list and click N	ext.		
1 2000			
Description	Provider	Manufacturer	Location
Description 802.11a Wireless LAN Network Adpater	Provider GemTek	Manufacturer GemTek	Location c:\winnt\inf\(
Description 802.11a Wireless LAN Network Adpater	Provider GemTek	Manufacturer GemTek	Location c:\winnt\inf\o
Description 802.11a Wireless LAN Network Adpater	Provider GemTek	Manufacturer GemTek	Location c:\winnt\inf\c

10. The 802.11a NDIS evaluation driver currently does not have a digital signature from Microsoft. Therefore, Windows 2000 shows a warning message. Click Yes to proceed with driver installation.

Digital Signature Not Fo	ound X
	The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested. The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows. 802.11a Wireless LAN Network Adpater
	If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available. Do you want to continue the installation?
	<u>Yes No More Info</u>

11. Click Finish.



12. The "802.11a Wireless LAN Network Adapter" now displays under "Network Adapters" in the Device Manager. Proceed to Section 2.5 for device configuration information.



13. To revert back to the DK driver, follow the instructions given in the Diagnostic Kernel (DK): Script Programming Interface document.

2.4 Driver Uninsfallation

This section provides information about uninstallation procedures required for upgrading the NDIS driver from previous 802.11a software releases. If the system does not have previously installed versions of the NDIS driver and you wish to remove the newly installed driver from the system, proceed to Step 4.

The NDIS driver since Release 1.0 no longer leverages the Transport Driver Interface (TDI) protocol to provide the LinkMon programming interface, the TDI protocol should be uninstalled. Follow these steps to uninstall the TDI protocol:

- 1. Go to "Network and Dial-up Connections" in the Control Panel.
- 2. Right-click the 802.11a Wireless LAN Network Adapter "Local Area Connection" icon and choose Properties.



3. Choose "802.11a NIC Access TDI" and click Uninstall.

tal Area Connection 2 Proper	ties		?
àeneral Sharing			
Connect using:			
802.11a Wireless LAN	Network A	dpater	
		Cor	nfigure
Components checked are used b	y this connect	tion:	
Thternet Platocol (TCP/IF	2)		
Internet Protocol (TCP/IF	2)		
Install Uni	nstal	Prope	rtes
Instal Uni	nstal	Prope	rtes
Install Uni Description A protocol used to provide acc	nstal .	Prope neros NIC	rtes
Internet Piotocol (TCP/IF Instail Description A protocol used to provide acc	nstal	Prope neros NIC	rtes
Instal Instal Uni Description A protocol used to provide acc Show icon in taskbar when e	nstal	Prope	tes
Instal Uni Description A protocol used to provide acc Show icon in taskbar when or	nstal	Prope neros NIC	rtes
Install Unit Description A protocol used to provide acc Show icon in taskbar when or	nstal	Prope teros NIC	rtes

4. Click Yes to confirm the uninstallation of the TDI interface.

Uninstall	Atheros NIC Access TDI	1
?	Uninstalling a component removes it from all network connections. Are you sure you want to uninstall Atheros NIC Access TDI?	

5. To remove the NDIS driver from the OS, go to Device Manager, right-click "802.11a Wireless LAN Network Adapter #4," and choose Uninstall.



6. Click OK to uninstall the device.



7. When the device is uninstalled from Device Manager, search for and delete the driver files that reside in the system. To do so, go to the Start menu and choose "Search For Files or Folders...," enter "oem*.inf" in the "Search for files or folders named:" field, and enter "802.11a" in the "Containing text:" field. Click Search Now, two files matching these criteria are displayed. Choose the files that have been found and delete them from the system.

Secola Results					X
File Edt Verv Fevrikes Toos	i lelp				22
+ 3ck - + - 🖬 🔕 Smeli	Grolders Gilliss	N 2 C X 20	E -		
Address 🔊 Scords Results					- (?e)
Search X Chick @ Search for Files and Folders	Search R	zilens. Iota -k esults	ale_ua. 1 506 37,176 29005		
General der Ales im Indees verweit		oenv m			
Callward leaf	Lare	In Holder	Releasance	bert Lupe	Fodfied
Laot. in	S servint E exittai	CANDANNA CANDAN		38: Sabparfornation 1587 Selephin edus	3/16/2001 11:36 -44 Ah1/2001 11:46 -44
Seech Nov Occ Search Search Relates 22	Frankfiren Marking	er File Delet e yeu suro yeu want to send	(these zicans to the)	x) 	
Search for other items: Filos or Folicess Computers			<u>i</u>		
Exact Index et					
2 cbjoch(s) se octed					6

8. To complete the uninstallation, two driver binary files, "ar52l0b.sys" and "athtdint.sys", should also be removed from the "\WINNT\system32\drivers" folder.

🔁 P:\WINNT\system32\driv	ris.				- 7 ×
I de Lok Siew, evente	s oos leb				1
] ⇔Brc - + - (*] (@	Sacrit 55 Baltics (3) Honey	盗院区	- E C2		-
Address 🛄 Ct(WTLNT):setrom	32(442-03				@ SU
3-4-7	Name /	. ze	lype	Modified	
	🛄 discr		le scei	W2W2000 6:00 PM	
The second division of	Ele te		=le =ucer	5/25/2001 6:33 PM	
drivers	1 aco sys	LCOFD	by stem file	12) //1999 12:00 PM	
	M aluelisys	12 KB	5ystemlie	(2)7/1999 (2:00 P*	
2 toms adapted	To ate sys	IC3EB	Systemfle	2)7)1099 2:00 PY	
	% AG2+4C 5YS	21. K B	Systemlie	9/28/1999 3:37 PV	
Tom FIT SP2 233 KF	🔊 a:5310b.sys	352 KB	Systemfle	6(18)/200 3:20 AM	
	രി കുറാണമാ ഒര	1.7 FD	Jystem file	12) /) 1999 12:00 PM	
achteline.sys	→ ataplisys	83 NB	5ystem fl e	.2)7)1999 .2:00 P*	
5-52135 svs	a athtint sys	9FD	Justem file	001662000 1:06 PM	
	w atmanucasys	57 KB	5vstemlie	:2/7/1999:2:00 P ^v	
	Training and	181B	Systemflic	2(7)1599 2:00 PY	
	M dames and	STAR	Sectemble	12(7)(\$99:2:00 PY	
Cu	diron Multiple File Delete			× 5(1922, 0)35 AM	
				10199913645 PM	- 33
1	🧐 dia si kana si masu kana hi			2 7(1022, 2:00 PY	
		senta allese anteni	stedeneteere	21999 C2500PM	
				7/1599 12:00 PM	
				(A000.2000Y	
		<u></u>	მეკი	7/1599 12:00 PV	
			N. WT WITT	711000 2:00 PY	
	N CASSERT SYS	CO10	Justembie	:2/7/1999 :2:00 PY	
	CmBat 255	IOLB	Systemfle	0/35/1000 0:35 AM	
2 Juliadi(s) seladico			239 (3	i 🔛 My Cur poter	1

9. If there is a file named "athnic.ini" in the "\WINNT\system32\drivers" folder, delete it.

2.5 Device Configuration

Configuration of the 802.11a Wireless LAN Network Adapter can be done through the Network Control Panel (NCP) in adapter properties. You can set the Wireless Network Adapter to work in one of two modes, either infrastructure mode (Which leverages an AP) or ad hoc mode (which consists of a group of stations participating in the WLAN).

In infrastructure mode, the Wireless LAN Network Adapter participates in a basic service set (BSS) as a station, and communicates with the other stations through an AP, as illustrated in Figure 1.



Figure 1. Infrastructure Mode

In ad hoc mode, a Wireless LAN Network Adapter works within an independent basic service set (IBSS), as illustrated in Figure 2. All stations communicate directly with other stations without an AP.



Figure 2. Ad Hoc Mode

To configure the 802.11a Wireless LAN Network Adapter:

1. In the Device Manager, right-click "802.11a Wireless LAN Network Adapter," and click Properties to access the properties of the adapter.



- 2. Configuration additions, modifications, and deletions are made under the "Settings" tab of the "802.11a Wireless LAN Network Adapter" properties. Select one of the configurations under the configuration list, and click Modify to show the "Network Configuration Settings" screen. This property sheet has two pages: General and Security. The General page has the following fields:
 - Configuration Name: This field identifies the configuration. This name must be unique. Configuration names are case insensitive.
 - Network Name (SSID): This is the name of the IEEE 802.11a Wireless LAN Network, for example, "802.11 Wireless LAN Network." This field has a maximum limit of 32 characters.
 - Network Connection: This field defines whether the STA is configured for an ad hoc or infrastructure network.
 - Power Saving: This field allows the configuration of power management options. The options are Off, Normal and Maximum. Power management is disabled when ad hoc mode is selected in the Network Connection field. When the Power saving setting is Off, the adapter receives full power from the PC. When the Power Saving setting is Normal, the driver turns off power to the adapter for brief periods over briefly-spaced time intervals. When the Power Saving setting is Maximum, the driver turns off power to the adapter for brief periods.
 - Turbo Mode: This field enables or disables 802.11a turbo mode.
 - Locally Administered Address: This field defines the locally administered MAC address (LAA). To enter a value in the address field, the check box needs to be selected. Typically, an LAA is not required, because as the driver automatically loads a unique, globally administered address from the EEPROM.

A CHAIR COUNTY OF BEAUTYS			
General Security			
Configuration Name:	Home		
Network Name (SSID):	My Home Network		
Network Connection:	AP (Inhadructure)		
Power Saving:	Normal	•	
Turbo Mode:	Disable	*	
Locally Administered Address: (Hex 0-SAF)			
		OK.	Cancel