

**Creatix 802.11b Wireless
PCI CARD
*CTX404E V.2
User Manual***

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Safety instructions

This equipment has been designed and tested in accordance with the requirements of Standard IEC 950 „Safety of Information Technology Equipment, Including Electrical Business Equipment“ Extracts from these requirements according Standard IEC 950:

The CTX404E V.2 was evaluated for use in maximum ambient temperature of 40 °C.

The CTX404E V.2 may only be used in countries where the card is certified.

Regulatory Statements

FCC Certification

The United States Federal Communication Commission and the Canadian Department of Communication have established certain rules governing the use of electronic equipment.

Part 15, Class B

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. 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 instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or TV, 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 the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

Caution:

1. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
3. Changes or modifications made to this equipment not expressly approved by **Creatix Polymedia GmbH** may void the FCC authorization to operate this equipment

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Introduction

The **802.11b Wireless PCI Card** is a powerful 32-bit PCI Card that plugs quickly and easily into your Desktop PC for wireless network applications without wires or cables. Based on the IEEE 802.11b standard, it offers a transferring data rate of 11Mbps in a wireless LAN environment. Once connected with other networked PC's, it allows you to share hard disk drives, DVD drives, CD drives, printers, and the likes.

The **802.11b Wireless PCI Card** allows you to take full advantage of your PC's mobility with access to real-time information and online services anytime and anywhere. Plus, with the network installation simplicity and flexibility, you can eliminate the need to pull cable through walls and ceilings. Exploring WWW and augmenting networks can never be done more easily.

Features:

Compliant with IEEE 802.11b standard for 2.4GHz Wireless LAN

Compliant with PCI Standard

Works with all existing network infrastructure.

Compatible with specific wireless products and services

Capable of up to 128-Bit WEP Encryption Protocol

Freedom to roam while staying connected

11 Mbps High-Speed Transfer Rate

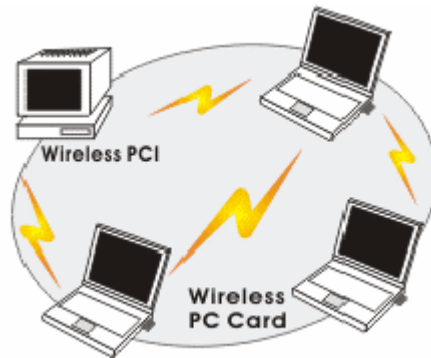
Lower power consumption

Easy to install and configure

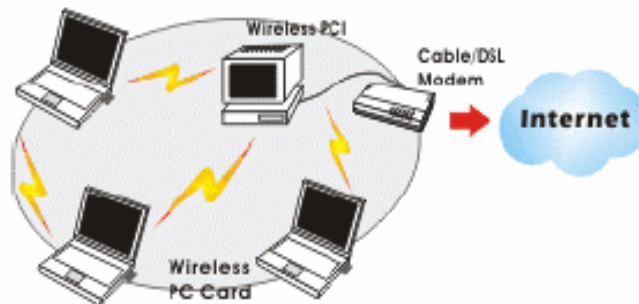
Wireless Network Options

The Peer-to-Peer Network

This network installation lets you set a small wireless workgroup easily and quickly. Equipped with wireless PCI or wireless PC Cards, you can share files and printers between each PC and laptop.

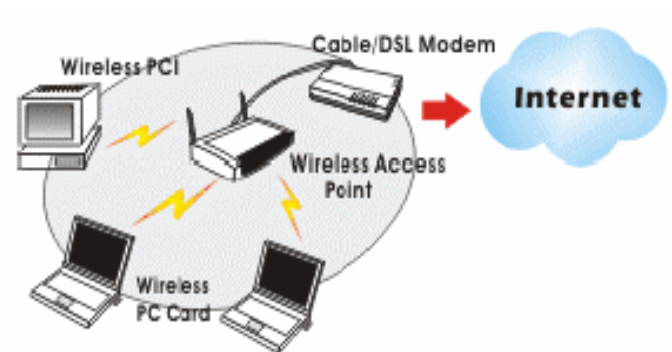


Or you can use one computer as an Internet Server to connect to a wired global network and share files and information with other PCs via a wireless LAN.



The Access Point Network

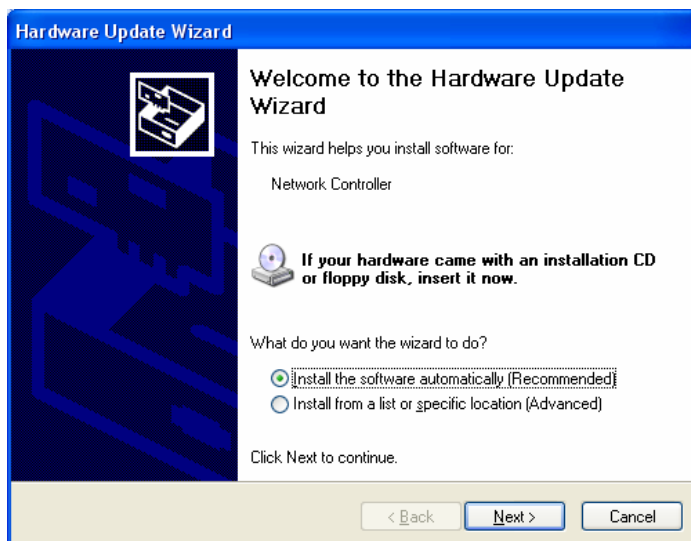
The network installation allows you to share files, printers, and Internet access much more conveniently. With wireless PCI Cards, you can connect wireless LAN to a wired global network via an **Access Point**.



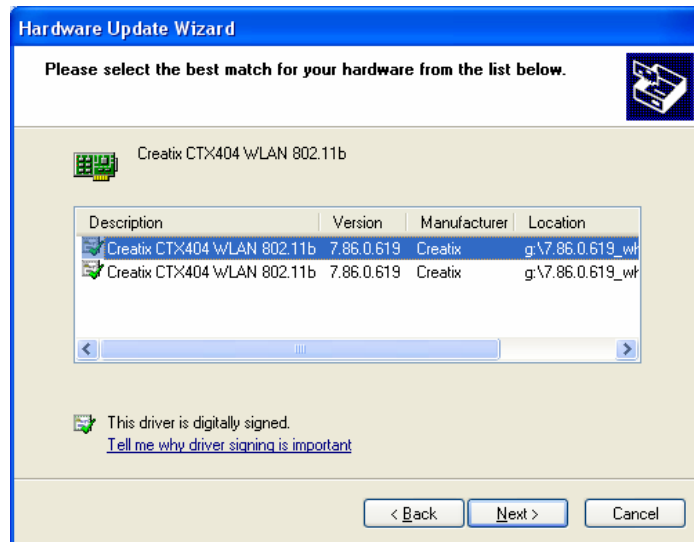
Install the CTX404E V.2

1. Before installing the device, make sure the computer is turned off.
2. Remove the expansion slot cover from the computer.
3. Carefully slide the wireless PCI card into an available PCI slot, push it evenly and firmly and ensure it is screwed securely in place using the mounting screw.
4. Once the device has been connected to your computer, Windows will detect the new hardware automatically.

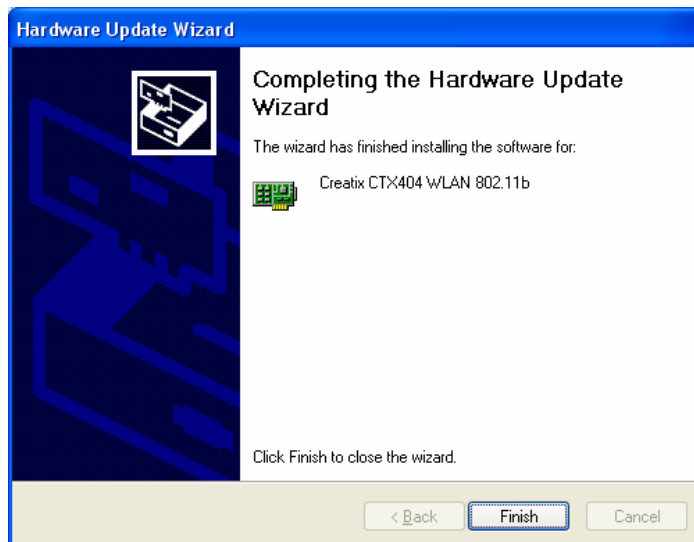
Windows XP



Click on „Install the software automatically (Recommended)” and click “Next”>



Click „Next“>

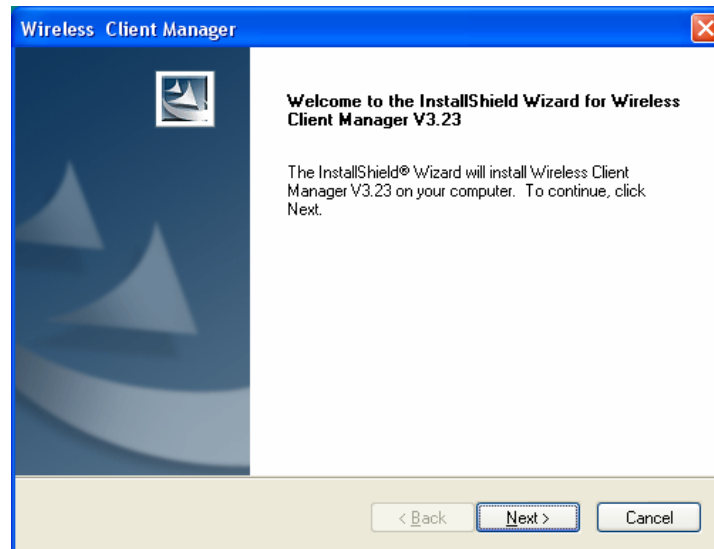


Finish the driver installation with a click on the “Finish“ button.

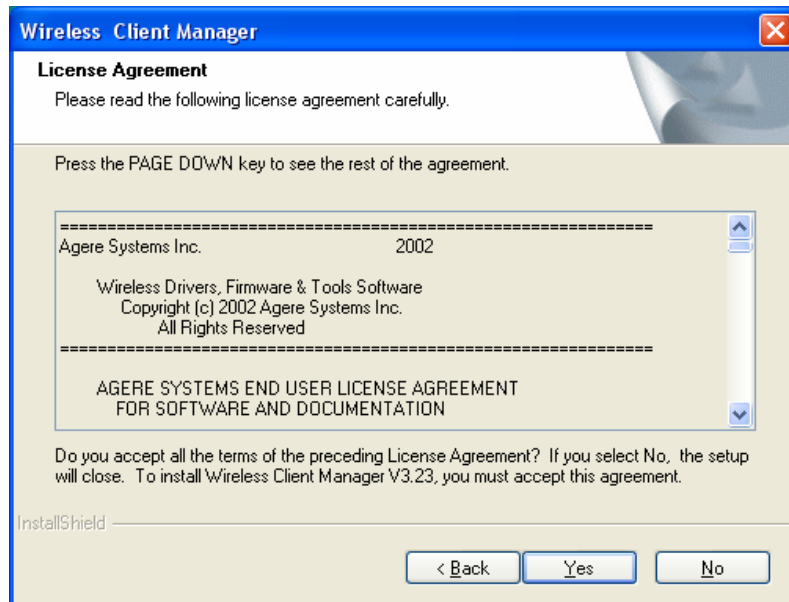
Installation Client Mgr 3.23

Select your CD-ROM, open the folder “**Client Mgr 3.23**”, double-click on “**setup.exe**” to install the Wireless LAN Utility.

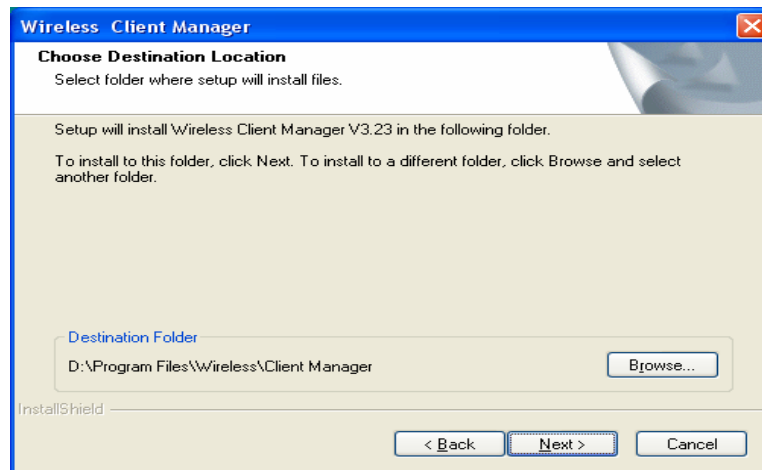
The Client Manager installation is managed via an installation wizard.



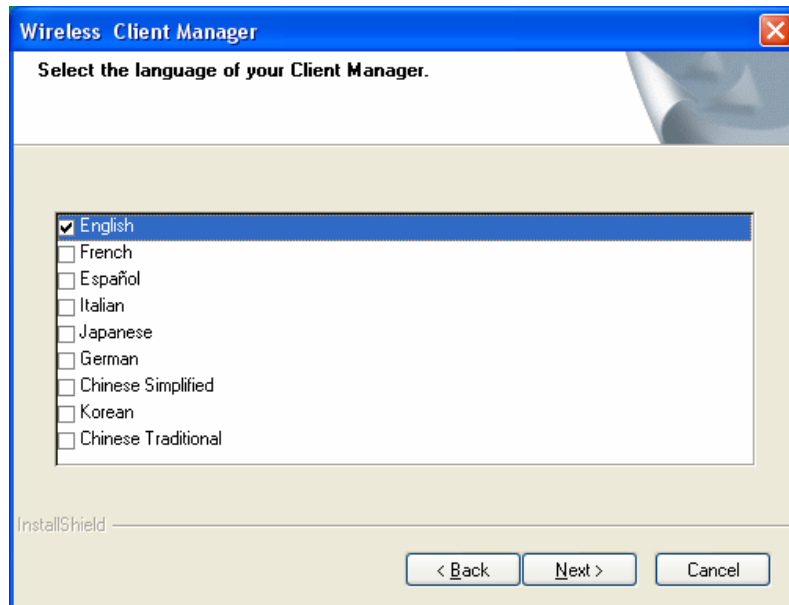
When the Welcome screen appears , click “**Next** “> to continue.



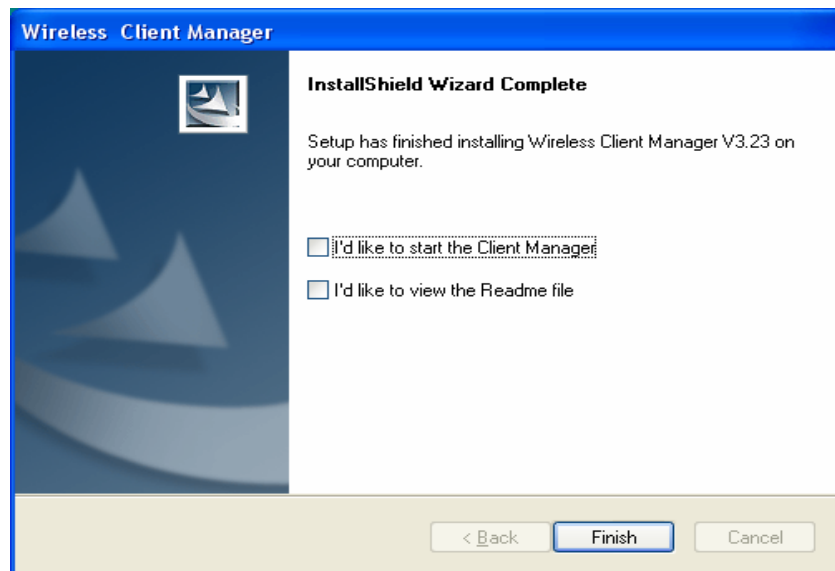
Click **"Yes"**.



Click **"Next">** to continue



Select the language of your Client Manager and Click "**Next**".

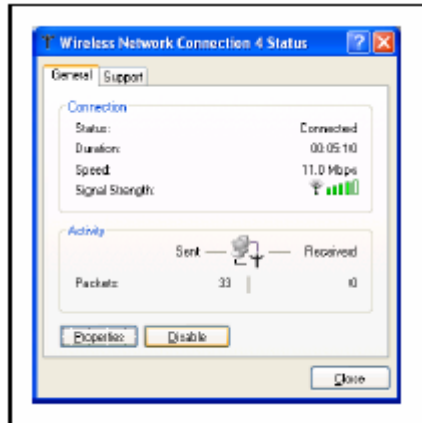


Click "**Finish**".

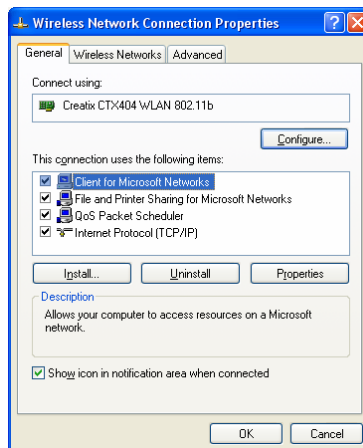
Configuration by Windows Utility

1. Go to **Start** → **Control Panel** → **Network Connections**.
2. In **Network Connections** window, right-click the **Wireless Network Connections** icon, and select **Properties**.

Note: Double-click the **Wireless Network Connection** icon and you can see the status of the Wireless PCI Card as described below.



3. In **Wireless Network Connection Properties** window, select the **General** tab. Click **Configure** to enable Windows configuration.

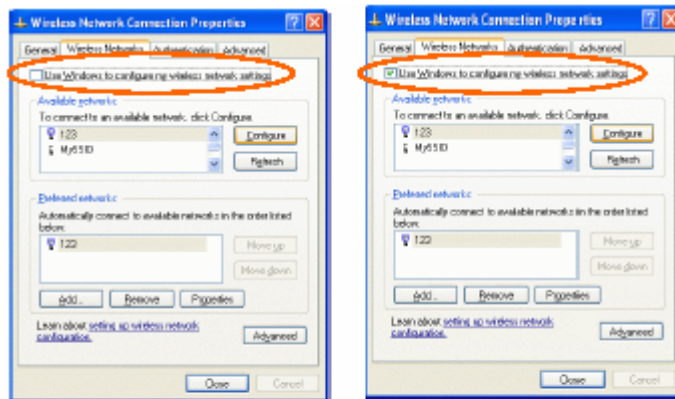


Antenna	(Diversity, Antenna A or Antenna B): These settings determine which antenna will be used to transmit or receive.
Channel	Select the appropriate channel from the list provided to correspond with your network settings. All devices in the wireless LAN must be configured to share the same radio channel in order to work correctly. (There are 14 channels available, depends on the country.)
Data Rate	Select (1, 2, 5.5, or 11Mbps or Auto) from the pull-down list to change the current transfer rate.
Network Type	Select the appropriate Network Type from 802.11 AdHoc Mode (Active), 802.11 AdHoc Mode (Passive) or Infrastructure . In AdHoc mode, Active mode is recommended since it can generate/pass beacon packets automatically.
Preamble	A preamble is a signal used in wireless environment to synchronize the transmitting timing including Synchronization and Start frame delimiter. (Note: Please check the setting of AP first.)

Auto	Select Auto for the Network adapter to select the Preamble type automatically depending on the Access Point Preamble type.
Long Preamble	If in a "noisy" network environment, the Preamble Type should be set to Long Preamble .
Short Preamble	The Short Preamble is intended for applications where minimum overhead and maximum performance is desired. If in a "noisy" network environment, the performance would be decreased.
RTS Threshold	This value should remain at its default setting of 2347 . Should you encounter inconsistent data flow, only minor modifications of this value are recommended

Select SharedKey Index	Select from 1, 2, 3, 4 or No selection .
Sharekey1 Sharekey2 Sharekey3 Sharekey4	This setting is the configuration key used in accessing the wireless network via WEP encryption. Fill in the appropriate value/phrase.
SSID	SSID is the unique name shared among all points in your wireless network. It must be identical for all points in the network. It is case-sensitive and must not exceed 32 characters. Make sure that all points in the network are set the same.
WEP	WEP is a data privacy mechanism based on a 64 Bit/128 Bit shared key algorithm. Select WEP key 128bit or WEP key 64bit to enable WEP encryption.

4. In **Wireless Network Connection Properties** window, select the **Wireless Networks** tab.



Use Windows to configure my wireless network settings

- Disable the check box to use Manufacturer's Configuration Utility.
- Enable the check box to use Windows to configure.

Available networks

Displays all available networks.

Configure

Click the button to set up a new network or WEP configuration as illustrated as below.



Refresh

Click the button to refresh and search for all available networks.

Preferred networks

From available network(s) listed above, you can select preferred one(s) in an order that you can arrange.

The marked one is the currently used network.

Move up

Move the selected network forward one position.

Move down

Move the selected network back one position

Add...

Click the button and the **Wireless Network Properties** window will appear. In the **Network name** field, enter your desired network name listed in the above **Available networks** box, and click **OK**.

*Note: The new settings will be active only after you click on **OK** in the **Wireless Network Connection Properties** window.*

Remove

Highlight the unwanted network listed in the **Preferred networks** box, and click the button to remove it.

Properties

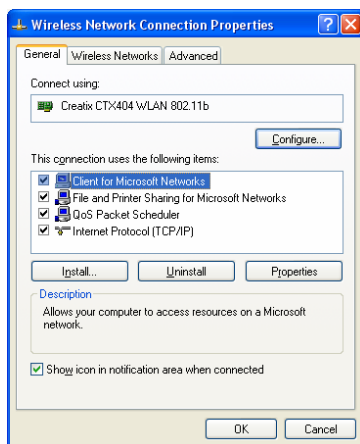
Highlight the network listed in the above **Preferred networks** box, and click the button to display its properties.

Once network configuration is done, make sure to click **OK**. The new parameters will be saved and active only after doing so.

Network Connection

Once the driver has been installed, you must make some changes to your network settings.

Go to **Start → Control Panel → Network Connections → Wireless Network → Connection Enabled 802.11b Wireless PCI Card → Properties.**



2. Make sure that you have all the following components installed.

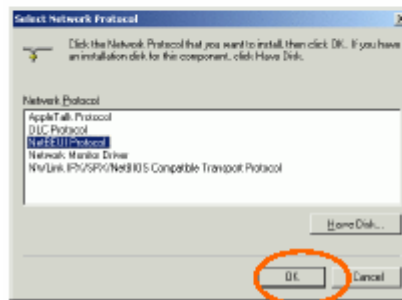
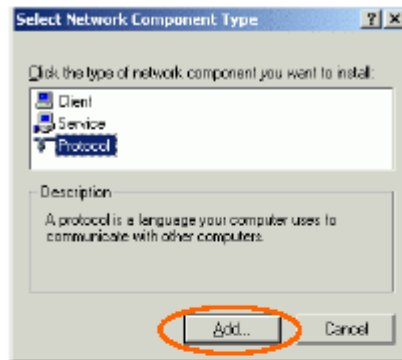
Client for Microsoft Networks

NWLink NetBIOS

NWLink IPX/SPX/NetBIOS Compatible Transport Protocol

Internet Protocol (TCP/IP)

3. If any components are missing, click on the **Install...** button to select the **Client/Service/Protocol** required. After selecting the component you need, click **Add...** to add it in.



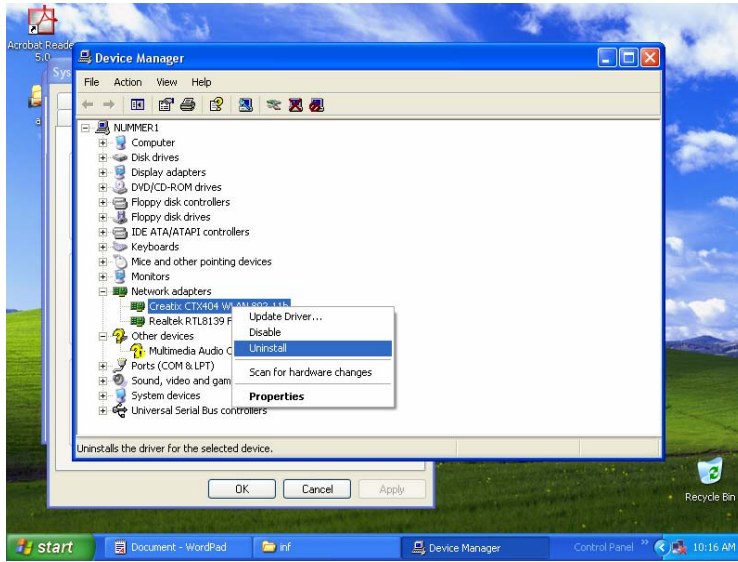
4. For making your computer visible on the network, make sure you have installed **File and Printer Sharing for Microsoft Networks**.

5. When finished, you must restart your computer to complete the installation.

Uninstall

Go to the Control Panel < **System – Hardware – Device Manager**>

Click with the right mouse button to the **Creatix CTX404WLAN 802.11b** and click uninstall.



Go into the hidden directory \ Windows \ Inf

Check all “**oem.inf**“ files (they can be opened by a double click) to find the oem.inf file “**Copyright 2002, Agere System Inc**”

```
oem0 - Notepad
File Edit Format View Help
;
; Copyright 2002, Agere Systems Inc
;
[Version]
Signature="$CHICAGO$"
Class=Net
Provider=Creatix
DriverVer=07/09/2003, 7.86.0.619
ClassGUID={4d36e972-e325-11ce-bfc1-08002be10318}
Compatible=1
CatalogFile=wlags9x.cat
CatalogFile.NT=wlags2x.cat

[Manufacturer]
Creatix="Creatix", NT.5.1

[ControlFlags]
ExcludeFromSelect = *

[Creatix]
%N01%=D01, PCI\VEN_11C1&DEV_A810&SUBSYS_200216BE&REV_00

[Creatix.NT.5.1]
%N01%=DXP01,%C01%

[D01]
```

Delete this file.

After deleting the file shut down your PC to remove the card or restart to install a new update for the driver.

Support-Inquiry

Medion USA, Inc
1721 Moon Lake Blvd #300
Hoffman Estates, IL 60194

Name	Given name
Telephone	Fax
Street	Email
Zip	Town
Product	Serial-number

Operating system	<input type="checkbox"/> DOS	<input type="checkbox"/> Windows 95	<input type="checkbox"/> Windows ME
	<input type="checkbox"/> Windows 3.1	<input type="checkbox"/> Windows 98	<input type="checkbox"/> Windows 2000
	<input type="checkbox"/> Windows 3.11	<input type="checkbox"/> Windows NT 4.0	<input type="checkbox"/> others

Software delivered - which?

others:

Used settings (see Chapter 1)	COM-Port IRQ
----------------------------------	-----------------

Additional Cards no
(please give description about IRQ and DMA)

- Sound card
- Streamer-Controller
- Network Card
- CD-ROM-Controller
- others:

Do you use only the delivered Original cables?

- Yes
- others: (for example extension lead, Telephone cable end so on.)

Problems

You get the error message **also**:

- with an other Software
- using the device with an other PC

Wireless LAN general:

- no Connection
 - abort of the Connection
 - smear signs at the screen
 - many errors with Up-/Downloads (Data transfer), which?
 - other errors, Description:
-

Internet:

- no Connection
- abort of the Connection
- smear signs at the screen
- other Errors, Description:

Other problems or questions: