





## Asus E1337 Installation Manual

Wireless fidelity card



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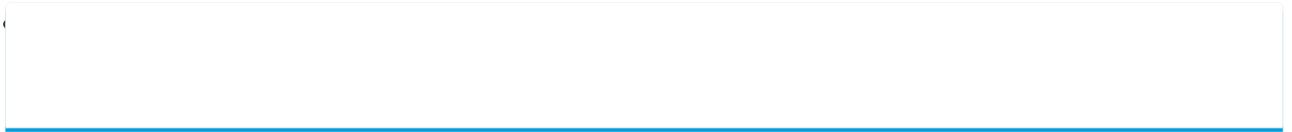
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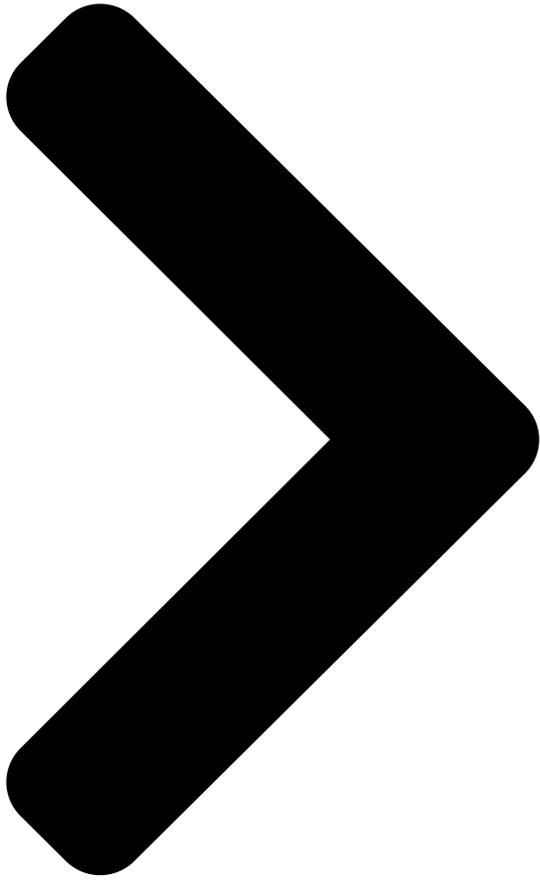
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# WiFi-b

## Wireless Fidelity Card

### Installation Guide

First Edition

June 2003

**ASUS**

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## Summary of Contents for Asus E1337

### [Page 1: Installation Guide](#)

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[Page 2](#) The specifications and information contained in this documentation are furnished for informational use only, and are subject to change at any time without notice, and should not be

construed as a commitment by ASUS. ASUS assumes no responsibility or liability for any errors or inaccuracies that may appear in this documentation, including the products and the software described in it.

[Page 3](#) Technology Direct Sequence Spread Spectrum (DSSS) Data Transfer Rate 11Mbps (with automatic fallback to 5.5, 2 and 1Mbps) Host Interface ASUS proprietary WiFi-b interface Network Types Supports Infrastructure and Ad Hoc networks Frequency Band 2.4 GHz ~ 2.5 GHz Security...

### [Page 4: Package Contents](#)

1. Welcome! Thank you for buying the ASUS WiFi-b Card! The WiFi-b card is a wireless network interface card for ASUS motherboards with the proprietary Wi-Fi slot. This card conforms to the IEEE 802.11b standard for wireless local area network (WLAN) assuring you of seamless integration to any wireless network.

[Page 5](#) Easy installation and full management software support ® • Software access point function supports up to 31 terminals (on Windows XP only) • Supports infrastructure (WiFi-b to access point) and ad-hoc (WiFi-b to another Wi-Fi device) network types ® • Windows 98SE/ME/2000/XP compatible ASUS WiFi-b Card...

### [Page 6: Card Layout](#)

4. Card layout Antenna connector Data Transmission LED Network Link LED WiFi-b connectors ASUS WiFi-b Card...

### [Page 7: Card Installation](#)

Pentium™ 4 system • Minimum 64MB system memory • Windows ® 98 SE/2000/ME/XP operating system • CD-ROM drive for software and drivers installation NOTE. Visit the ASUS website for an updated list of motherboards with WiFi slot. ASUS WiFi-b Card...

### [Page 8: Hardware Installation](#)

2. Remove the PC cover. 3. Locate the Wi-Fi slot. Refer to your motherboard documentation for the Wi-Fi slot location. 4. Remove the rear panel bracket opposite the Wi-Fi slot. Keep the screw for later use. ASUS WiFi-b Card...

### [Page 9: Antenna Placement](#)

No data activity but connected to the network No power or not connected to the network 5.2.2 Antenna Placement Place the dipole antenna at an elevated location to maintain quality signal. Avoid placing the antenna under your table or in a close compartment. ASUS WiFi-b Card...

### [Page 10: Software Installation](#)

Follow these steps to install the WiFi-b card driver and the Control Center Utility. 1. Turn on your computer. Insert the support CD into the CD-ROM drive. 3. Click "Install ASUS WLAN Card Utilities/ Driver" when the ASUS WiFi-b installation window appears.

[Page 11](#) 5.3.1 Other support CD contents The support CD also contains the following options. Uninstall ASUS WLAN Card Utilities. Click this option to uninstall the Control Center Utility from your system. Read/Install User Documentation. Click to view the installation and quick setup guides in PDF format.

### [Page 12: Windows ® Xp Wireless Options](#)

Windows ® XP, it will automatically show the Wireless Options window. Select "Only use ASUS utilities and disable XP wireless function" to avail all WiFi-b card features. Click OK. 6. Using the Control Center Utility The Control Center Utility is a management software that launches applications and activate network location settings.

[Page 13](#) Internet connected to the Internet Not linked but connected Not linked and not to the Internet connected to the Internet Ad-Hoc Network Mode (WiFi-b to other Wi-Fi device) Linked Not Linked Connected to the Internet ASUS WiFi-b Card...

## [Page 14: Control Center Right-Click Menu](#)

Tabbed Property Sheets 6.1.1 Wireless Settings The Wireless Settings is the main interface that allows users to control the ASUS WiFi-b. Use the Wireless Settings to view the operational and connection status, or to modify the WiFi-b configuration.

## [Page 15: Status - Status Tab](#)

The Current Channel field displays the radio channel that the card is currently tuned. The channel changes as WiFi-b scans the available channels. See page 29 for channel information. The Current Data Rate field displays the data transfer rate between the WiFi-b card and the access point. ASUS WiFi-b Card...

## [Page 16: Status - Connection Tab](#)

Clicking this button opens the Site Survey window. See page 22 for details. Status - Connection Tab The Connection Tab provides real-time information on connection throughput, frame errors, signal strength, link quality and overall connection quality in graph representation. ASUS WiFi-b Card...

[Page 17](#) IP Renew. Click to renew the DHCP IP address for the WiFi-b card. NOTE. The Dynamic Host Configuration Protocol (DHCP) allows a computer or computers on a network to be automatically assigned a single IP address from a DHCP server. ASUS WiFi-b Card...

## [Page 18: Config - Basic Tab](#)

Ad Hoc mode. Channel. In Infrastructure mode, WiFi-b automatically selects the correct frequency channel. In Ad Hoc mode, select a channel that is allowed for use in your country/region. See page 29 for channel information. ASUS WiFi-b Card...

## [Page 19: Config - Encryptiontab](#)

WEP keys. Check the Network Authentication (Shared Mode) option if you wish to use a network key to authenticate a preferred wireless network. Unchecking this option allows the network to operate on an Open System mode. ASUS WiFi-b Card...

[Page 20](#) WEP keys. Automatic Generation. Type a combination of up to 64 letters, numbers, or symbols in the Passphrase field. The Wireless Settings Utility uses an algorithm to generate four WEP keys based on the typed combination. ASUS WiFi-b Card...

## [Page 21: Config - Advanced](#)

NOTE. After assigning the WEP keys, Click APPLY to save and activate the encryption. Manually assigned encryptions are more secured than automatically generated encryptions. Config - Advanced The Advanced tab displays the WiFi-b card advance settings. It is recommended that you do not make any changes on these settings. ASUS WiFi-b Card...

## [Page 22: Site Survey](#)

Infrastructure network type. STA indicates an Ad Hoc network type. WEP - shows whether a network has an enabled (On) or disabled (Off) WEP encryption. Select an available network and click Connect to establish connection. Click Search to rescan available networks. ASUS WiFi-b Card...

## [Page 23: Link State](#)

About Click the About icon to view the software version, driver version, and copyright information. Link State Displays the current connection status of the WiFi-b card to the AP or to other Wi-Fi device. ASUS WiFi-b Card...

## [Page 24: Help Menu](#)

AP function can support up to 31 wireless clients. Before configuring your system as soft AP, make sure your system meets the following requirements: • Connection to the Internet (cable, DSL, satellite, etc) and wired LAN • Windows ® XP operating system ASUS WiFi-b Card...

[Page 25](#) The Access Point icon replaces the Control Center icon in the Windows ® taskbar. IMPORTANT. Make sure that the network type of wireless clients is set to Infrastructure mode. Wireless clients must also have the same SSID with the soft AP to establish connection. ASUS

WiFi-b Card...

### [Page 26: About Control Center](#)

6.1.4 Preferences The Preferences window allows you to customize the Control Center Utility settings. 6.1.5 About Control Center The About Control Center menu displays the software, drivers, and copyright information. ASUS WiFi-b Card...

### [Page 27: Control Center Left-Click Menu](#)

Wireless Radio Off – Turns the WiFi-b radio OFF. Search & Connect – View available wireless networks within range. Wireless Option (Windows ® XP only) – Sets your Windows ® XP wireless networking environment. See page 12 for details. ASUS WiFi-b Card...

[Page 28](#) 2.437 GHz 2.472 GHz 2.442 GHz 2.484 GHz IMPORTANT! If several WiFi-b devices are operating in the same vicinity, the distance between the center frequencies of channels used must be at least 25 MHz to avoid interference. ASUS WiFi-b Card...

[Page 29](#) Channels 10 and 11 France Channels 10 to 13 Japan (MKK) Channels 1 to 14 NOTE. Channels 1,6 and 11 are independent and do not overlap each other. It is recommended to tune your WiFi-b card to these channels. ASUS WiFi-b Card...

### [Page 30: Safety Information](#)

Wireless LAN device is far below the FCC radio frequency exposure limits. Nevertheless, this device shall be used in such a manner that the potential for human contact during normal operation – as a mobile or portable device but use in a body-worn way is strictly ASUS WiFi-b Card...

### [Page 31: Sar Exposure](#)

PC card adapter that the integrated antenna is positioned more than [2.5cm] from your body or nearby persons during extended periods of operation. If the antenna is positioned less than [2.5cm] from the user, it is recommended that the user limit the exposure time. ASUS WiFi-b Card...

### [Page 32: Asus Contact Information](#)

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Support Hotline: Components: +49-2102-9599-0 BRD, Germany Notebook: +49-2102-9599-10  
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[Wifi-b](#)