USER'S GUIDE

(Model No : SP-1001)



: MAKE AN OFFER FORM SHIN-OH ELECTRONICS CO., LTD. IN KOREA

"FCC RF exposure compliance requirements: This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter"

WARNING

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.

Caution: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Features and Benefits

LANCASTER(SP-1001) Wireless LAN PC card is fully Compatible with ieee 802.11b Standard and Supports a high Data rate up to 11Mbps. "LANCASTER(SP-1001) Wireless LAN PC Card" will operate in 2.4 GHz Direct Sequence Spread Spectrum (DSSS) for wireless networks in the home or office environment. Ypu can use internet within wireless Network at anytime in anyplace. In addition, the EnGenius Wireless LAN PC Card uses a 64/128-bit WEP Encryption for a secure network connection. The LANCASTER (SP-1001) Wireless LAN PC Card is compatible with Windows 98, ME, 2000, and XP.

Table of contents

Table of contents

1. DRIVER Installation	1
1-1. Software Contents 1-2. DRIVER INSTALL	1 1
2. HARDWARE SETUP	3
2-1. Hardware Installation for Wireless LAN Card	3
3. SOFTWARE SETUP	3
3-1. Software Installation for Wireless LAN Card	3
4. WIRELESS UTILITY SETUP	7
 4-1. SSID Setup 4-2. Network Type Setup 4-3. Use WEP (Wired Equivalent Privacy) 4-4. ink Quality Test 	7 7 8 9

5. CERTIFICATE OF WARRANTY

1-1. Software Contents

Install CD : This mainboard will be shipped with a Support CD which contains those necessary driver files, Application Softwares and some helpful utilities. It is a user-friendly, auto-run CD which will open itself up in a CD-ROM automatically.

Contents of Install CD : For this Wireless Lan card, user will be able to find in the Install CD the following

Drivers and utilities :

- 1. LANCASTER DIRVER (Wireless lan card driver)
- 2. LANCASTER Wireless Settings (Setting and Monitor Utility)
- 3. USER'S GUIDE

1-2. DRIVER INSTALL

1. Open up the Install CD : Please put the Support CD enclosed in your Wireless lan card package into the CD-ROM drive. In a few seconds, the Main Menu will automatically appear, displaying the contents to be installed for this driver:

- 2. In case your system does not open the Support CD automatically, please click to the following path to enter the Main Installation Menu:
 D: \ DRIVER>LANCASTER.exe (assuming that your CD-ROM Drive is Drive D)
- 3. InstallShield Wizard will pop up to guide you to the Wireless Lan driver installation. Click "Next" button to continue.



4. Installing



5. Installshield wizard complete

The InstallShield Wizard has successfully installed Click Finish to exit the wizard



2-1. Hardware Installation for Wireless LAN Card

To install the Wireless LAN card, please do the following:

- 1. Find an available Type II or Type III PCMCIA slot in your notebook computer.
- 2. With the PCMCIA adapter's 68-pin connector facing the PCMCIA slot and its label facing up, slide the PCMCIA adapter completely into the PCMCIA slot.

3. SOFTWARE SETUP

- 3-1. Software Installation for Wireless LAN Card
- 1. Insert the 11Mbps Wireless PC Card into a standard type II PCMCIA slot in your notebook.



2. Windows 95/98/ME/2000/XP will automatically detect the new hardware and prompt you to install the driver needed.



3. Select "Display a list of the known drivers for this device so that I can choose A specific driver" and click Next.

Select a hardware type, and then click New	L.	
Harvers induction Other devices PONDA adapters PONDA adapters PONDA (DDM 6 UP1) Pointers COM 6 UP1) Source and game controllers Source video and game controllers System devices		Î

4. Select "Network adapters" and click Next.

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4. First : Select "SHIN-OH ELECTRONICS CO., LTD." in Manufacturers second : Select "SHIN-OH LANCASTER Wireless LAN PC Card" IF YOU MUST BE SELECT : click "Next"

Update D	Driver Warning
≜	Installing this device driver is not recommended because Windows cannot verify that it is compatible with your hardware. If the driver is not compatible, your hardware will not work correctly and your computer might become unstable or stop working completely. Do you want to continue installing this driver?
	Yes No

5. Update Driver Warning : click "Yes".



6. Start Device Driver Installation : click "Next"



6. Digital Signature Not Found : click "Yes"

Found New Hardware Wilcord	
	Completing the Found New Hardware Wizard SHN OH LANDASTER VAMING LANPE Cast
	Window has feathed installing the safeware for this device.
	To done the redaid, click Feelth
	- allind Fields - Carton

- 7. Click Finish to complete the software installation.
- 8. Restart the computer.

4-1. SSID Setup

The SSID is a unique ID given to the Access Point. Wireless clients associating to any Access Point must have the same SSID. Select Configuration as and enter a Network Name (Access Point) you desire to connect with.

Public Nation	Detail	-	MASTER
	1000		SP-1001
Metwork Game:	did	1	
Network Type:	Access Paint	-	
	PureFueCand	TE .	Ostaulte
Transmit Rate:	Fully Automatic		

4-2. Network Type Setup

Infrastructure mode : selete Access Point Ad-Hoc mode : selete Pear to Pear

Ptolie Nave:	Delad	• 1	CASTER
Network Name:	510		ar invert
Norwait Type:	Access Point		
	hethedani	THE STREET	Ostaulte
Transmit Plate:	Fully Automatic		

4-3. Use WEP (Wired Equivalent Privacy)

To prevent unauthorized wireless stations from accessing data transmitted over the network, the 11Mbps Wireless LAN PC Card offers highly secure data encryption, known as WEP. If you require high security in transmission, please select the Enable item and click the Key List button. The Wireless LAN PC Card supports two types of Encryption Key length: 64-Bits and 128-Bits. You may identify up to 4 different encryption keys and select one of them to encrypt your t Ransmission

data. The key value of your choice may either be:

For 64-Bits encryption:

Five alphanumeric characters in the range of "a-z", "A-Z" and "0-9" (e.g. MyKey), or: 10 digit hexadecimal values in the range of "A-F" and "0-9", preceded by the characters "0x" values (e.g. 0x11AA22BB33).

For 128-Bits encryption:

13 alphanumeric characters in the range of "a-z", "A-Z" and "0-9" (e.g. WEPencryption). 26 digit hexadecimal values in the range of "A-F" and "0-9", preceded by the characters "0x" values (e.g. 0x11AA22BB33123456789ABCDEFF)

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⁽²⁾ Hexadecteut 25 digit (31, A7)	
Key 1	Hart The -
Key 2	- District Tag
Rey 2	- P. 20
Kap 4	-
Grain Keys with Paciphrain	
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4-4. ink Quality Test

Link Quality Test is a useful diagnostic tool for you to test point-to-point data transmission quality between two wireless LAN stations. Or, if you use the Infrastructure wireless LAN configuration, you can test the transmission quality between your wireless LAN station and Access Point. When Link Quality Test Screen is displayed, you may choose one of the roles that this wireless LAN station should perform.

Default - LANCASTER Wireless Settings	×
Status Configuration Encryption About	
State: Associated - 00:04:D8:00:A9:DA	THERETER
Current Tx Rate: 11 Mbits/sec	SP-1001
Current Channet 6 Disable Radio	Rescan
Throughput (bytes/sec): Tic 0	Rx 1148
Link Quality: Excellent (100%)	
Signal Strength: Excellent (1003)	
OK C	ancel Apply

CERTIFICATE OF WARRANTY

Thank you for purchasing our products.

This product is released to the market after strict quality control and precise inspection. You may get the free serviceat our A/S center if the products you purchased are found to have any manufacturing defects or any natural defect.

Period of Warranty

Lancaster : A year Model No : SP-1001 Purchased Date : Purchased Shop :

Serial No. : Price :

Free Service

You may get the free service only for the defects within one year after purchasing.

Service with Charged

For the asked service for none defects

Once you ask for service, if your product is proved as none defect, you will be charged for the provided service so, please carefully read user's guide.

For the defects caused by customer's error

- Defects caused by carelessness in using (getting wet and impact) or unauthorized repair and modification.
- Defects caused by plugging to the none appropriate power source.
- -Defects caused by any repair at the unauthorized place other than the Shinoh Electronic Co., Ltd A/S center.
- Defects or damage caused by the drop in moving
- Defects caused by disasters such as fire, flood and earth quake

A/S Center: 729-5 Bonoh-dong, Ansan-city, Kyeonggi-province Phone No. 031-406-3702 Fax No. 031-407-7548 Homepage : http://www.shinoh.co.kr

* This guarantee shall not be reissued so, please carefully keep it with user's guide.