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## 21 ANTENNA INSTRUCTION MANUAL

# INSTALLATION MANUAL

## Introduction

This manual does not substitute your wireless LAN card's user's guide. This installation guide must be read for more detailed information about your wireless LAN card's use, care and maintenance, including important safety information. The Samsung Wireless LAN Card has two antenna connectors for attaching external antennas for coverage area extension. Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the wireless LAN card and may violate regulations governing radio devices.

### FCC WARNING

The SWL-2000E complies with Part 15 of the FCC rules. Operation is subject to the following two conditions;  
(1) This device may not cause harmful interference.  
(2) This device must accept any interference received, including interference that may cause undesired operation.

### RF SAFETY WARNING

While installing and operating this transmitter and antenna combination the radio frequency exposure limit of  $1\text{mW}/\text{cm}^2$  may be exceeded at distances close to the antennas installed. Therefore, the user must maintain a minimum distance of 20 cm from the antenna. Note: The SWL-2000E has been tested and found to comply with the limits for a Class B digital device and a low power transmitter, according 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 television reception, which can be determined by turning the equipment off and on, the user is encouraged to resolve the problem by one or more of the following measures; Reorient or relocate the receiving antenna. Increase the separation between the equipment and the receiver. Connect the equipment to an output on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

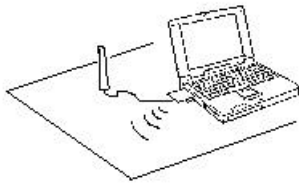
## INSTALLATION OF THE EXTERNAL ANTENNA

The user is responsible for ensuring that the public is not exposed to radio frequency energy levels in excess of the FCC guidelines. Humans cannot be within 20 cm (8 inches) of the front of the antennas. If such a situation occurs, the user is responsible for placing the appropriate caution signs to warn the public.

### Notebook PC Adapter Card (SWL-2000E)

- You can install the card whether the power of the Notebook is on or off.
- Insert the SWL-2000E adapter card into the PCMCIA slot.  
(A pleasant “cheep” sound indicates the regular operation. A low monotonous tone indicates a failure in recognition.). Always maintain a 20cm space between your self, any other person and the antenna.

**Warning:** The antenna should be mounted so that the main beam is not pointing towards areas of heavy human traffic.



If you see red Power LED illuminating and green Rx LED is blinking, you are now ready to proceed to software setup.



**STUB ANTENNA**