>>> 1.3 Specifications

❏ **Form Factor**   CardBus

❏ **Operation voltage**   3.3 V

❏ **Standard**   IEEE 802.11g/IEEE 802.11b

❏ **Frequency Range**   2.4GHz to 2.4835GHz

❏ **Data Rate and**   IEEE 802.11b(Auto-Fallback):
  Modulation Types   - CCK @ 5.5 and 11 Mbps
                                        - DQPSK @ 2Mbps
                                        - DBPSK @ 1 Mbps
                                        IEEE 802.11g(Auto-Fallback):
                                        - OFDM @ 54, 48, 36, 24, 18,
                                          12, 9, 6 Mbps

❏ **Operating Channels**   - CCK: 14 channels
                                        - OFDM: 13 channels

❏ **Media Access Protocol** Direct Sequence Spread
                                        Spectrum (DSSS) with ACK;
                                        Half-Duplex

❏ **Security / Encryption**   64-/128-bit WEP

❏ **Range**   Up to 240m

❏ **Antenna**   Internal diversity with
                                        chip antennas

❏ **Operating system**   Microsoft® Windows® 98SE/
                                        ME/2000/XP

❑ **Environmental**   Operating Temperature:
$0 \sim 55^{O}C$
Operating Humidity:
$0 \sim 95\%$, non-condensing

❑ **EMI Compliance**   FCC, CE, BSMI, DGT

❑ **Dimensions (WxDxH)**   115 X 54 X 7mm

❑ **Weight**   38.5g
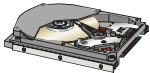
>>> 1.4 System Requirements

Before installing the CB54G, your PC should meet the following:

Notebook PC with PC Card slot, or desktop PC with PC Card slot module.

Windows® 98SE/ME/2000/XP operating system.

Minimum 5M bytes free disk space for installing the driver and utilities.

CD-ROM drive, double speed or higher.

>>> 1.5 Package Contents

Unpack the package and check all the items carefully. If any item contained is damaged or missing, please contact your local dealer as soon as possible. Also, keep the box and packing materials in case you need to ship the unit in the future. The package should contain the following items:

One Wireless 11g CardBus Card.

One Quick Installation Guide.

One CD title including drivers, utilities, user's manual and quick guide.

>>> 1.6 Product View

*Power LED - Solid **BLUE**, indicating that the CB54G is power on.*
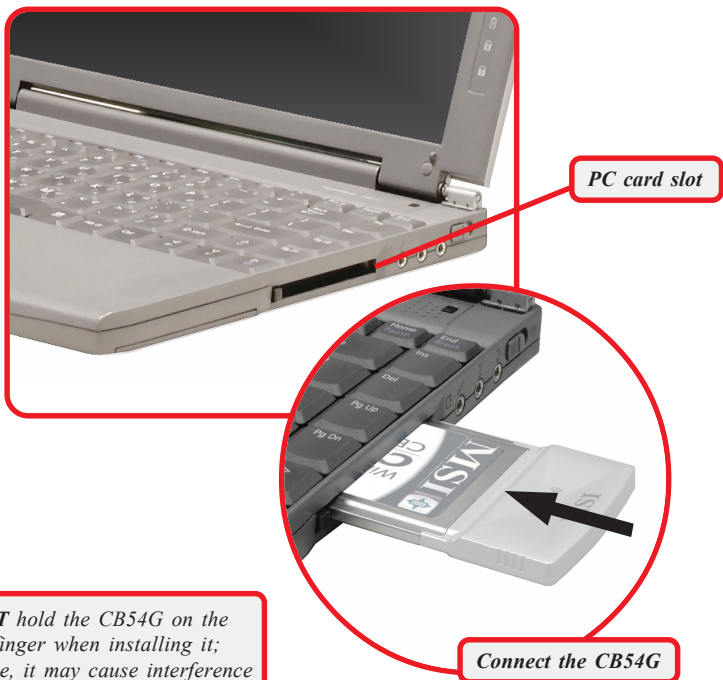

Golden Finger

*Link LED - **BLUE**, indicating the networking status by:*
  ON -   CB54G is connected.
  Flash - CB54G is searching for available Access Point or receiving/transmitting data over the wireless network.

② Hardware Installation

The following diagrams provide you a basic installation for the CB54G, including how to install and remove the CardBus adapter.

>>> 2.1 Connecting the CB54G

Locate the PC card slot on your notebook computer. If there is the dummy card in the slot, remove it first; then, insert the CB54G into the slot (usually with its label facing up) and push it until it is firmly seated.

PC card slot

Connect the CB54G

DO NOT hold the CB54G on the golden finger when installing it; otherwise, it may cause interference or damage.

>>> 2.2 Removing the CB54G

Press the Eject Button to make it stretch out. Push the
Eject Button and the CB54G will slide out slightly. Then,
pull it out of the slot.

Eject Button

Remove the CB54G

*Before removing the CB54G, you
should stop the device in Windows
operating system.*