

Wireless LAN Card
WLI-PCM-L11GP
User's Manual

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Thank you for purchasing BUFFALO's wireless LAN card (WLI-PCM-L11GP). This manual mainly describes trouble shooting, peer-to-peer wireless connection and other additional information related to specification.

If you want to install the driver software to connect to the AirStation, please refer to the "Installation Instructions" separately.

Precautions for radio wave

- Never use the WLI-PCM-L11GP near the magnetic field around a microwave oven or in an area where static electricity and/or radio noise is generated. The radio waves may not be transmitted in these areas.
 - * When the WLI-PCM-L11GP is used near a wireless printer buffer (MELCO INC.'s RYP-G or similar products by other manufacturers) that use radio waves at around 2.4 GHz, the processing speed of both devices may be affected.
- As the WLI-PCM-L11GP has been approved for conformity to the engineering standards, the following may be regarded unlawful.
 - * Disassembling/remodeling the WLI-PCM-L11GP
 - * Removing the approval label attached to the rear of the WLI-PCM-L11GP

- All rights for this manual are owned by MELCO INC. No part of this manual may be transmitted, reproduced, or revised without permission from MELCO INC.
- Product names of other companies used in this manual are trademarks or registered trademarks of the respective companies. Trademark symbols (™, ®, ©) are not indicated in this manual.
- Specifications, design, and other descriptions included in this manual are subject to change without notice.
- This manual is carefully prepared, however, feel free to contact your nearest sales representative if you have any questions or problems.
In addition, note that MELCO INC. shall not be liable for any expenses incurred due to damage or loss arising from the use of the WLI-PCM-L11GP, although MELCO INC. has been advised of the possibility of such damage.
- This product should be used as a general OA device in offices or at home. MELCO INC do not accept any liability if the product is used other than as a general OA device.
 - Do not use this product for any device or system which requires high safety such as a medical device or any system which is directly or indirectly related to human lives.
 - If this product is used for any device or computing system which requires more reliability than general OA devices, please make sure that you take any necessary actions to ensure safety and prevent system malfunctioning.

Be sure to follow the instructions given below for your safety.

Follow the instructions described here to avoid harming yourself, other people, and property, and to ensure safety. Be sure to read and understand them thoroughly before using this product. This manual contains instructions concerning general operation of the computer to which this product is connected as well as those concerning the product.

Please take note that our warranty will not cover any failures and problems of the computer, any losses and failures of data, or failures and problems of this product caused by misuse.

■ SIGNS AND SYMBOLS USED IN THIS MANUAL

Warning signs;

 WARNING	Failure to follow the instructions shown with this sign may result in a hazard or the serious injury of the user.
 CAUTION	Failure to follow the instructions shown with this sign may result in the injury of the user or property damage.

Symbols;

	This indicates warnings and cautions. Specific instructions are given in or around  . (Ex.  Exercise care to avoid an electric shock.)
	This indicates prohibited matters. Specific instructions are given in or around  . (Ex.  Do not disassemble.)
	This indicates compulsory rules. Specific instructions are given in or around  . (EX.  Disconnect the plug from the receptacle.)

WARNING



Compulsory

Be sure to observe instructions by manufacturers of personal computers and peripherals when installing and using this product.



No disassembly

Do not disassemble or modify the product.
It may cause a fire or an electric shock.



Unplugging

Turn off the power to the computer and peripheral devices immediately and unplug them if smoke or an unpleasant smell is generated.

If you continue using them under such circumstances, a short circuit resulting in a fire or an electric shock may occur.



Unplugging

Turn off the power to the computer and peripheral devices immediately and unplug them if you drop the product or it receives a severe physical shock.

If you continue using them under such circumstances, a short circuit resulting in a fire or an electric shock may occur. Please contact your nearest sales representative.

CAUTION



Prohibited

Never touch this product with wet hands.

It may cause an electric shock when the power plugs of personal computers and peripheral devices are connected to the AC outlet. If the plug is not connected, mechanical failure may occur.



Compulsory

Touch something made of metal (a door knob or aluminum window frame, for example) and release static electricity before touching the product to avoid damage caused by static electricity.

Static electricity generated from the human body may damage the product.



Compulsory

Be sure to create back-up files on other media (floppy disk, MO disk, etc.) for your data on the hard disk.

MELCO INC. recommends that you create two back-up copies of data before and after the original data is updated for any critical data. Data may be deleted or damaged when:

- Incorrect operation is performed.
- Data is affected by static electricity or electrical noise.
- Hardware is mechanically damaged or repaired.
- Your computer is turned on immediately after being turned off.
- The battery is expired because the device is not used for a long time.
- Hardware is damaged in a natural disaster.

Note that MELCO INC. shall not be liable for any damages arising from loss or damage of digital data in any cases.

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1

Before Operation

This chapter contains important information you should fully understand before starting operation. Be sure to carefully read the following pages.

Using this manual

This manual is created according to the following editorial points. Please remember these points when using this manual.

■ Editorial points

CAUTION mark

 **Caution** Describes cautions when handling the WLI-PCM-L11GP. If these instructions are not observed, injuries or mechanical damage may occur.

NOTE mark

 **Note** Describes supplementary information or items which should be understood when installing the WLI-PCM-L11GP.

REFERENCE mark

 **Reference** Indicates page(s) containing related information.

NEXT mark

 **Next** Indicates page(s) containing the next step is described.

COLUMN mark



Provides convenient tips.

■ Terminology

- Descriptions enclosed by double quotation marks " " are software or dialog box names.
- This product (Wireless LAN Card WLI-PCM-L11GP) is generally referred to as "the WLI-PCM-L11GP".

- A computer equipped with the WLI-PCM-L11GP is generally referred to as the "wireless LAN PC".

■ Handling precautions

The WLI-PCM-L11GP is a high-precision device. Be sure to read this manual carefully to ensure correct operation.

MELCO INC. shall not be liable for any failures or problems of the computer, or any failures and problems of the access point caused by misuse.

Product outline

Features and operating environment of the WLI-PCM-L11GP are described below.

■ Features

The WLI-PCM-L11GP is a wireless LAN card for use in computers equipped with a PC card slot (type II).

The main features are listed below.

- 2.4 GHz low power data communication system (certification not required).
- Direct sequence spread spectrum (DS-SS) technology ensures high noise resistance.
- IEEE802.11b compliant, with a data rate of 11 Mbps even on a wireless LAN.
- Effective range of 50 m indoors or 115 m outdoors
*25 m indoors or 50 m outdoors when transmitting by 11Mbps
(Do not install this product in close proximity to microwave ovens, wireless printer buffers or objects made of steel such as steel desks or steel drawers.)

■ Operating environment

IBM AT compatible computer equipped with a PC card slot (type II)

Operating system

- WindowsMe/98/95 • WindowsXP/2000
- WindowsNT4.0 with Service Pack 4 or later
- * The ACPI feature in Windows98/2000 is not supported.



Wired LAN and wireless LAN

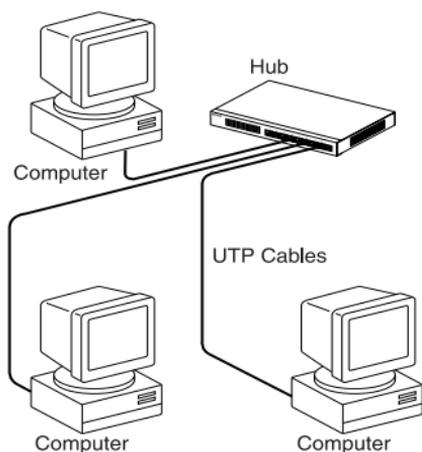
The following terms are used in this manual to distinguish between a 10BASE-T/100BASE-TX LAN connected by cables and a LAN using no cables.

Wired LAN LAN connected by cables

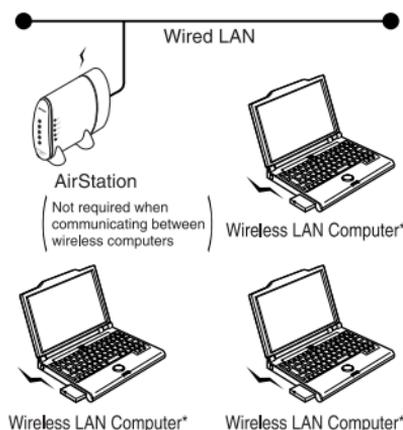
Wireless LAN LAN using wireless communication

Note that these are not general terms and are used only for descriptions in this manual.

Typical configuration of a wired LAN



Typical configuration of a wireless LAN



* A computer with a MELCO INC's wireless LAN card is generally referred to as "Wireless LAN Computer" in this manual.

Caution The illustration above is provided to explain a Wired LAN and a Wireless LAN. It is not a configuration example nor is it a connection diagram. For the details of configuration examples and connection diagrams, please refer to "Installing the WLI-PCM-L11GP" on page 16 .



ESS-ID

The ESS-ID is an identification code required for communication in a wireless LAN.

The same ESS-ID must be set to the AirStation and the wireless LAN PC to enable communication. (ESS-ID is not valid when communicating between wireless LAN computers)

Note The ESS-ID is upper/lower case sensitive and can consist of up to 32 alphanumeric characters including the under bar (_).



Wireless Channel

If you have several wireless LAN networks with different ESS-IDs on one floor, the transfer speed may be affected when communicating with other wireless LAN networks. This is because radio waves with the same frequency are being used. To avoid this problem, set a different frequency (wireless channel) for each wireless LAN network.

However, close frequencies used on adjacent channels may interfere with each other. If you use more than one channel, make sure that you do not use adjacent channels.

- * When connecting between wireless LAN computers, the same wireless channel must be used in all the wireless LAN computers involved.
 - * If you change the wireless channel, it may cause radio wave interference with other wireless devices.
-

Wireless LAN network configuration

Network configurations for wireless LANs can be classified into two main groups.

- Wireless LAN only network
 - Wired and wireless LAN network
- * A wireless LAN network configured with third-party wireless LAN products is not supported.

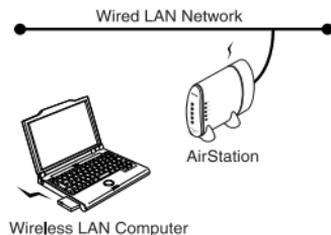
■ Wireless LAN only network

You can configure the wireless LAN only network of the Wireless LAN computers with MELCO INC.'s wireless LAN cards.



■ Wired and wireless LAN network

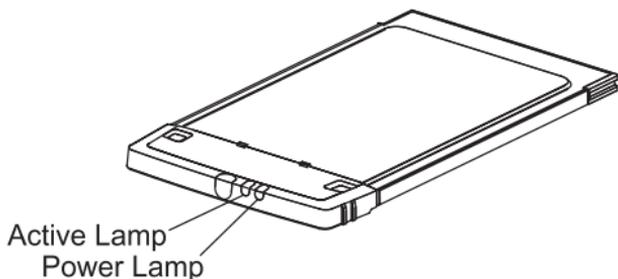
By using MELCO INC.'s AirStation (WLAR-L11 series and WLA-L11 series: provided separately), you can connect to the Internet or communicate with computers on the wired LAN via the AirStation.



Contents of package and section names

The items listed below are included in the package. Please check the package and contact your nearest sales representative if any items are missing.

Wireless LAN..... 1



Name	Function
PCMCIA connector	Terminal connected to the PCMCIA slot of the computer. Never touch the terminal with your bare hands. Touching the terminal may cause a malfunction.
POWER lamp	This lamp is on (green) when switched on. *
ACTIVE lamp	This lamp is on (green) when sending or receiving data. *

*When an access point or a wireless LAN computer is not available, the POWER lamp and the ACTIVE lamp will alternate on and off every few seconds.

Driver CD..... 1

User's Manual 1

Note Be sure to read any additional information sheets provided in the package.

Setup flow

Follow the procedures below to connect this product. Read the entire operation flow carefully and understand it before starting setup.

Read this manual carefully.

1 Check contents of package. *Page 10*

2 Send your registration card.

3 Install the product to computer. *Page 12*

4 Install appropriate driver for your environment.

WindowsMe/98/95

Refer to the "Installation Instructions" separately.
Then, refer to Chapter3 "WindowsMe/98/95 Settings" of this manual.

WindowsXP/2000/NT4.0

Refer to the online manual included on the Driver CD.

5 Install Client Manager.

Refer to the "Installation Instructions" separately.

6 Connection to network. *Page 26*

If any problem occurs, refer to "Troubleshooting". *Page 31*

Setup completed.

2

Installation

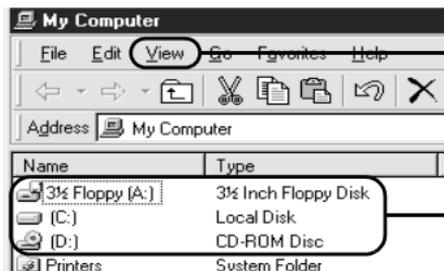
This chapter describes the procedure to install the WLI-PCM-L11GP into your computer. If you are using WindowsMe/98/95, you need to check your driver

Drive configuration

Check the drive configuration of your computer before installing the driver. Screens from Windows98 are used in this example.

1 Double-click the My Computer icon.

2 Select View R Details.



Check the drive names listed in the window. Take note of the drive names on your computer in the provided table below. These will be required in the following steps.

Drive names on your computer

Drive	In the graphic above	On your computer
3.5" Floppy Disk 	A:	
Harddisk (Local Disk) 	C:	
CD-ROM 	D:	

Next

When using WindowsXP/Me/98/95/2000, go to "Before installing the WLI-PCM-L11GP" on page 13 .

When using WindowsNT4.0 go to "Installing the WLI-PCM-L11GP" on page 16 .

Before installing the WLI-PCM-L11GP

When you are using WindowsXP/Me/98/95/2000, be sure to check that the PC card driver is correctly installed before inserting it.

Checking PC card driver

The PC card driver must be installed in order to use WLI-PCM-L11GP. Please check your PC card driver configuration before installing the WLI-PCM-L11GP.

WindowsMe/98/95

- 1 Right-click on My Computer icon on your Desktop.
- 2 Select Properties from the pop-up menu.
- 3 Click the Device Manager tab and then the + mark on the left of "PCMCIA socket". Check that no marks indicating a problem ("!" or "X") are displayed for any of the devices listed for "PCMCIA socket".
Note The name of PCMCIA controller may vary depending on the model of your computer.

When an error mark ("!" or "X") is not displayed

Your PC card driver is properly configured.

When an error mark ("!" or "X") is displayed

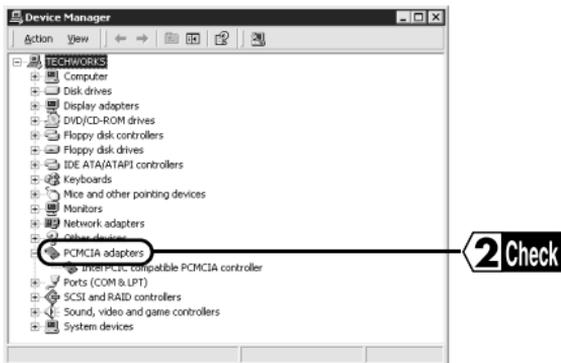
Follow the steps below to change your PC card driver configuration.

- 1 Double-click PCMCIA controller with an error mark. PC Card (PCMCIA) Wizard starts.
 - 2 The message "Welcome to the PC Card (PCMCIA) wizard....." Appears. Select "No", then click Next.
 - 3 The message "Windows did not find any existing real-mode PC card drivers....." Appears. Select No, then click Next.
 - 4 The message "You have finished the PC card wizard." Appears. Click Finish.
With Windows 98, the configuration is now completed. Open Device Manager tab and check that no marks indicating a problem ("!" or "X") are displayed for PCMCIA controller.
 - 5 With Windows 95, the message "To continue the configuration of this PC card, you are required to shut down Windows and turn off the computer....." Click Yes.
 - 6 After Windows restarts, Open Device Manager tab and check that no marks indicating a problem ("!" or "X") are displayed for PCMCIA controller.
- * If you still have a problem with the installation, refer to the manual of your computer or contact the manufacturer of your computer.**

 **Next** Go to "Installing the WLI-PCM-L11GP" on page 16 .

WindowsXP/2000

- 1 Click the [Start] button and select [Settings] - [Control Panel]
- 2 Double-click the System icon
- 3 Click the hardware tab, then click the Device Manager button.
- 4 Check that no marks indicating a problem ("!" or "X") are displayed for any icons under "PCMCIA Adapters".



Next The name of the PCMCIA controller may vary depending on model of your computer.

Installing the WLI-PCM-L11GP

The installation position varies depending on the model of your computer. Be sure to refer to the manual provided by the manufacturer.

⚠ Caution If your computer is equipped with a power management function that automatically cuts power supply to the computer when it is left idle for a certain period, turn the function off. The WLI-PCM-L11GP cannot be used if the power management function starts. Refer to the manual provided for the computer for details on the power management function.

■ Precautions when installing the LAN card

- Be sure to follow the installation instructions in the manuals provided with your computer and peripheral equipment.
- Remove dust from connectors.
- Never touch the connectors of the WLI-PCM-L11GP.
- Carefully check the direction of the connectors when installing the WLI-PCM-L11GP to your computer. The connector may be damaged if it is forced.

■ Precautions when removing the LAN card

The LAN card can be inserted and removed with the computer turned on (Hot Swap feature), provided Windows98/95 is running. However, You should set the LAN card to be safely removable on Windows98/95 when you remove it. Refer to *"Removing the WLI-PCM-L11GP" on page 25*.

➡ Next

Go to *"Installation to a notebook computer" on page 17* when installing to a notebook computer.

Go to *"Installation to a desktop computer" on page 18* when installing to a desktop computer.

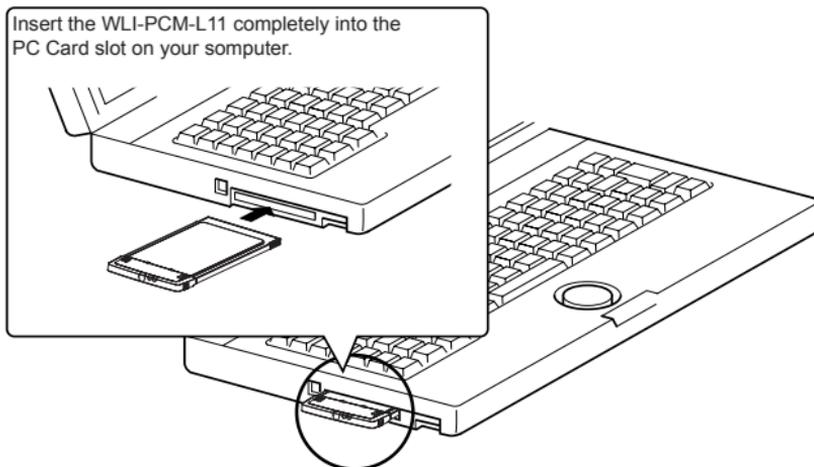
Installation to a notebook computer

Follow the steps below when installing the WLI-PCM-L11GP to a notebook computer.

Note

When using Windows98/95, the WLI-PCM-L11GP can be installed and removed with the computer turned on because it supports the Hot Swap feature.

When using WindowsNT4.0, be sure to turn off your computer before installing the WLI-PCM-L11GP.



Next

When using WindowsMe/98/95, refer to the "Installation Instructions" separately, then refer to "*WindowsMe/98/95 Settings*" on page 19

When using WindowsXP/2000/NT4.0, refer to the "Installation Instructions" separately, and online manual Driver CD.

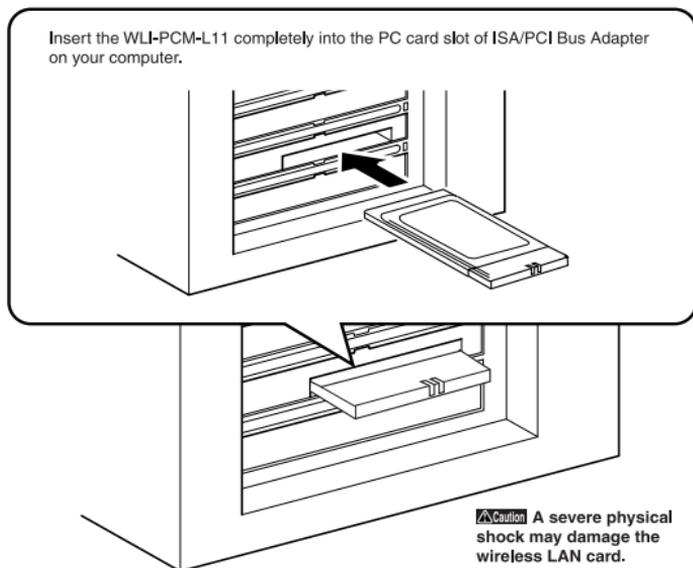
Installation to a desktop computer

Either of the boards below must be installed in a desktop computer before installing the WLI-PCM-L11GP.

- ISA Bus Adapter (WLI-ISA-OP)
- PCI Bus Adapter (WLI-PCI-OP)

Reference Refer to manuals provided with the products for installation procedure.

Refer to the illustration below to install the WLI-PCM-L11GP to a desktop computer.



Next

When using WindowsMe/98/95, refer to the "Installation Instructions" separately, then refer to "*WindowsMe/98/95 Settings*" on page 19

When using WindowsXP/2000/NT4.0, refer to the "Installation Instructions" separately, and online manual Driver CD.

3

WindowsMe/98/95 Settings

This chapter describes the setting procedures for the WLI-PCM-L11GP when using WindowsMe/98/95.

Checking after installation

After installing the driver, follow the steps below to check that the WLI-PCM-L11GP is operating correctly.

- 1 Click the Start button and select Settings - Control Panel.
- 2 Double-click the System icon.
- 3 Click the Device Manager tab. Select "MELCO WLI-PCM-L11GP Wireless LAN Adapter" and click the Properties button.

Note

- If "MELCO WLI-PCM-L11GP Wireless LAN Adapter" is not listed, click the + mark on the left of "Network adapters".
- "PCMCIA card service" may be included in "Other devices", however, this does not imply any problem.

- 4 Check that the message "This device is working properly" is displayed for Device status.

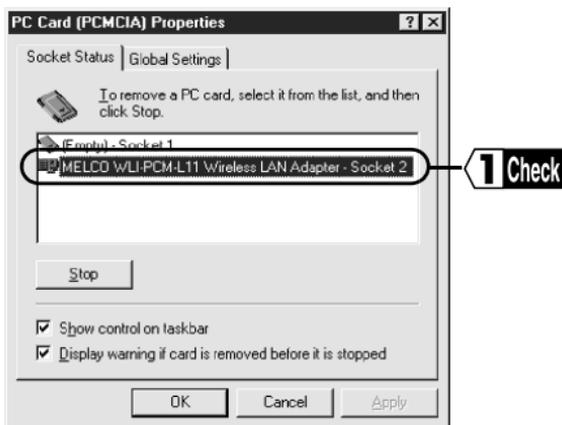
Caution

If the above message is not displayed, the WLI-PCM-L11GP is not operating correctly. Uninstall and re-install the driver, referring to "The installation screen does not appear." on page 33 in Chapter 6.

- 5 Click the Start button and select Settings - Control Panel.
- 6 Double-click the PC Card (PCMCIA) icon.

Continued on next page

7 Check that "MELCO WLI-PCM-L11 Wireless LAN Adapter" is displayed for Socket Status.



Caution If the above message is not displayed, the WLI-PCM-L11GP is not operating correctly. Uninstall and re-install the driver, referring to "The installation screen does not appear." on page 33 in Chapter 6.

Next

When the WLI-PCM-L11GP is operating correctly,
go to "Preparing for connection to network" on page 21 .

When the WLI-PCM-L11GP is not operating correctly,
go to "The installation screen does not appear." on page 33 .

Preparing for connection to network

After checking that the WLI-PCM-L11GP is operating correctly, you can try connecting to the network. Screens from Windows98 are used in this example.

 **Reference** Refer to the manual provided for Windows98/95 for details.

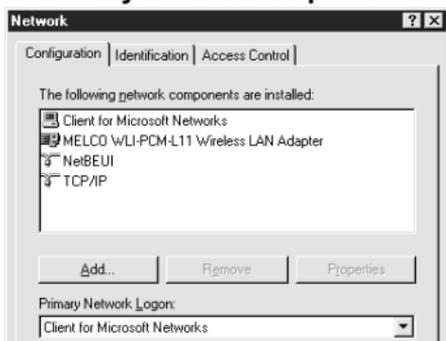
The following is required for all computers.

- Check "NetBEUI" and "Microsoft Network Client" are installed.
- Add File and printer sharing for Microsoft Networks
- Check computer name and workgroup name
- Set sharing

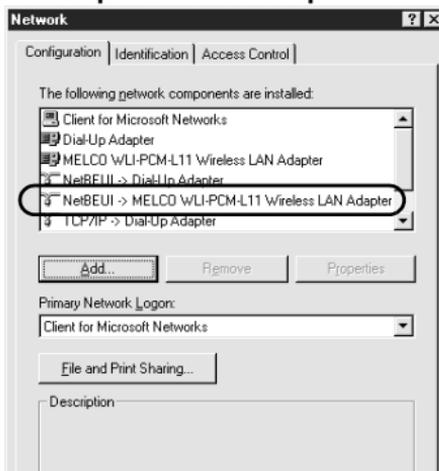
Checking NetBEUI and Microsoft Network Client

- 1** Click the Start button and select Settings - Control Panel.
- 2** Double-click the Network icon.
- 3** Check that "NetBEUI" and "Microsoft Network Client" are listed in "The following network components are installed:".
When using Windows98, check that "Microsoft Network Client" is selected for Primary Network Logon.

If the only network adapter is the WLI-PCM-L11GP



If multiple network adapters are installed



"NetBEUI -> MELCO WLI-PCM-L11 Wireless LAN Adapter" appears in "The following network components are installed:". However, this does not imply any problem.

Caution When the network adapters are not listed as shown above add Microsoft Network Client and NetBEUI, referring to "Adding Microsoft Network Client (Page 24)", "Adding NetBEUI (Page 25)".

Next Go to "Adding File and printer sharing for Microsoft Networks" on page 23.

Adding File and printer sharing for Microsoft Networks

- 1 Click the File and Print Sharing... button.
- 2 Check "I want to be able to give others access to my files" and "I want to be able to allow others to print to my printer(s)", and click OK.
- 3 File and printer sharing for Microsoft Networks is added.

 **Next** Go to "Checking computer name and workgroup name" on page 23 .

Checking computer name and workgroup name

- 1 Click the Identification tab (Windows98) or User Information tab (Windows95). Check the Computer name, Workgroup, and Computer Description, and click OK.

 **Caution** The same workgroup must be assigned to all the computers included in the network.

- 2 When you are prompted to restart the computer, click Yes.

 **Next** Install Client Manager (refer to the "Installation Instructions").

Adding Microsoft Network Client

- 1 Click the Start button and select Settings - Control Panel.
- 2 Double-click the Network icon.
- 3 Click the Add button.
- 4 Select "Client" and click the Add button.
- 5 Select "Microsoft" for Manufacturer and "Microsoft Network Client" for Network Clients, and click OK to return to the Network screen (step 3).

 **Next** Go to "*Checking NetBEUI and Microsoft Network Client*" on page 21 .

Adding NetBEUI

- 1 Click the Start button and select Settings - Control Panel.
- 2 Double-click the Network icon.
- 3 Click the Add button.
- 4 Select "Protocol" and click the Add button.
- 5 Select "Microsoft" for Manufacturer and "NetBEUI" for Network Clients, and click OK to return to the Network screen (step 3).

 **Next** Go to "Checking NetBEUI and Microsoft Network Client" on page 21 .

Removing the WLI-PCM-L11GP

Follow the steps below to remove the WLI-PCM-L11GP while WindowsMe/98/95 is running.

- 1 Click the Start button and select Settings - Control Panel.
- 2 Double-click the PC Card (PCMCIA) icon.
- 3 Select "MELCO WLI-PCM-L11 Wireless LAN Adapter " and click the Stop (Windows98) or Finish (Windows95) button.
- 4 When the following dialog box appears, click OK.
- 5 Remove the WLI-PCM-L11GP.

4

Connection to Network

After all required settings for the computer are completed, you can try connecting to the network.

Connection to network

Follow the steps below to access the network.

There are two types of connection: direct connection between wireless LAN PC's and connection to a computer on a wired LAN via an AirStation (available separately).

This manual describes the procedure to communicate between wireless LAN PCs.

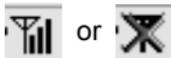
Note If you communicate by using an AirStation, refer to the manual provided with your AirStation.

Connection between wireless LAN PCs

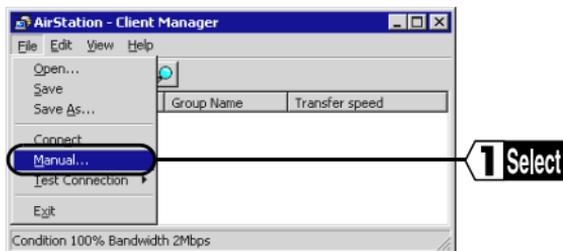
When connecting between wireless LAN PCs, you set a wireless channel manually from Client Manager (i.e. peer-to-peer communication).

Note When connecting between 11M wireless LAN PCs, an AirStation (available separately) is not required.

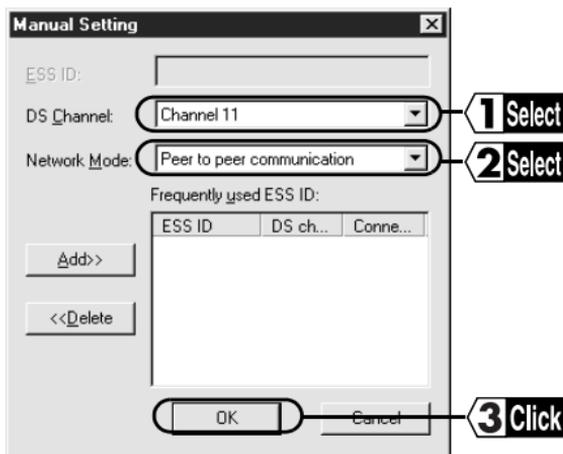
- 1 Click the Start button and select Programs - AirStation Utility- Client Manager. If the following icon is displayed in the task tray on the screen, you can double-click this icon to start Client Manager.



2 Select File - Manual....



3 Set Wireless Channel field to the same value as other computers with which you want to communicate, then select Between Wireless LAN Computers in Communication Mode field. Click OK.



Next Go to "Communicating with wireless LAN computers"

Communicating with wireless LAN computers

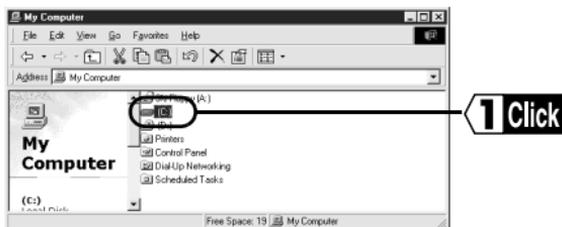
When you complete the configuration of the wireless LAN channel, try connecting to a wireless LAN computer.

Screens from Windows 98 are used in this example.

Sharing settings

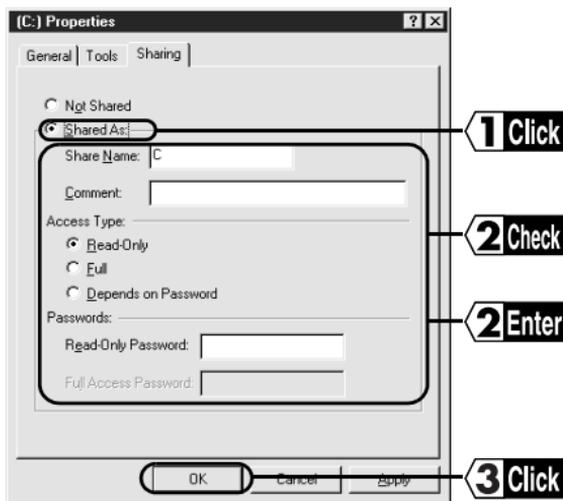
Make settings for sharing drives and folders. The example here describes the procedure for sharing the C drive in My Computer.

- 1 Double-click the My Computer icon on the desk top.
- 2 Click the icon for the C drive with the right mouse button and select Sharing.



Continued on next page

- 3 Select "Shared As:", and check or change Share Name, Comment, Access Type, and Password. Click OK.



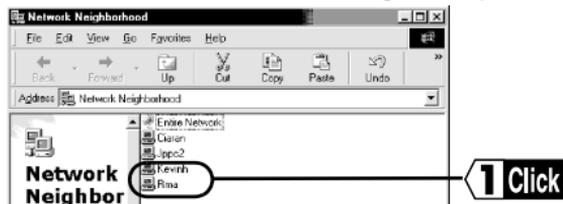
- 4 The icon for the C drive changes as shown below.



Next Go to "Establishing a connection"

Establishing a connection

- 1 Double-click the Network Neighborhood icon.
Computers connected by Peer to Peer communication are listed.
- 2 Double-click the icon of the target computer.



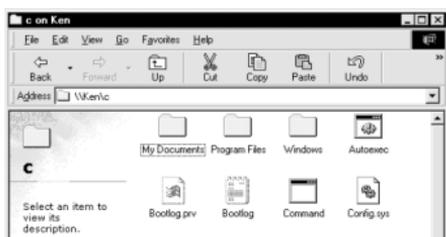
Reference Refer to "Computers are not listed" on page 36 .

3 The drive(s) set to be shared ("Adding Microsoft Network Client" on page 24) are listed.

Double-click the desired drive.



4 The contents of the selected drive are displayed and you can access the desired folder.



Reference Computers with a WLI-PCM-L11GP installed can be connected to other computers on the same wireless or wired LAN. You can now operate your computers in a comfortable environment using both the wireless and wired LANs.

5

Troubleshooting

This chapter describes problems that may occur during operation, and possible causes and solutions for these problems.

The computer does not recognize the WLI-PCM-L11GP.

Possible cause

The WLI-PCM-L11GP is not inserted into the PC card slot on the computer.

Solution

Check the direction of the WLI-PCM-L11GP and insert it again.

Possible cause

The PC card slot on the computer is faulty.

Solution

- If your computer has two slots, insert the WLI-PCM-L11GP to the other slot.
- If you have another computer, insert the WLI-PCM-L11GP to that computer to locate the cause of the problem.

The WLI-PCM-L11GP does not operate correctly.

Possible cause

The computer's power management function is activated.

Solution

Turn the power management function off. Refer to the instruction manual provided with the computer for details.

An error mark "!" or "X" appears next to the driver.

An error mark "!" or "X" appears next to "MELCO WLI-PCM-L11 Wireless LAN Adapter".

Possible cause

- The driver is not installed correctly.
- A resource conflict exists.

Solution

Refer to *"The installation screen does not appear."* below.

The installation screen does not appear.

The installation screen for the driver does not appear after inserting the wireless LAN card with Windows 98/95 environments. Or an error mark "!" appears next to "MELCO WLI-PCM-L11 Wireless LAN Adapter".

Possible cause

The driver is not installed correctly.

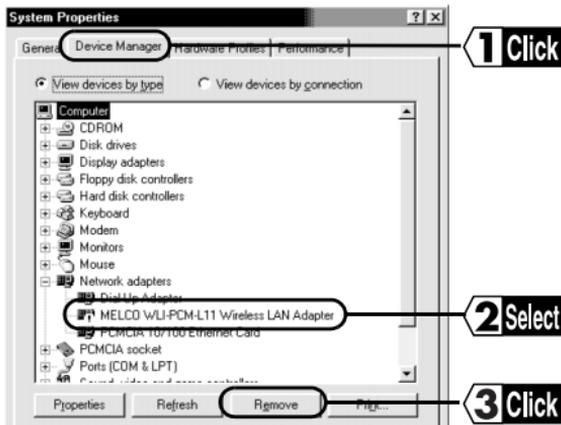
Solution

Follow the steps below to uninstall and re-install the driver.

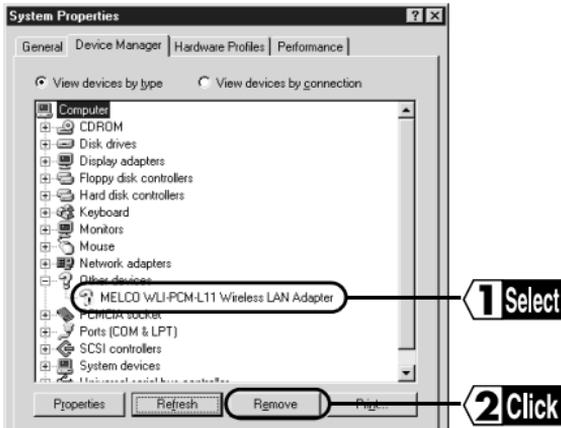
 **Caution** Check that the WLI-PCM-L11GP is inserted to the PC card slot on the computer.

- 1 Click the Start button and select Settings - Control Panel.
- 2 Double-click the System icon.

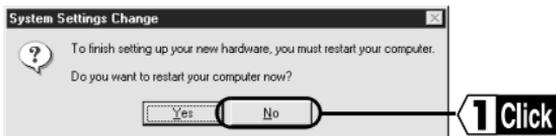
- 3** Click the Device Manager tab.
Select "MELCO WLI-PCM-L11 Wireless LAN Adapter" in the "Network Adapters" list, and click Remove.



- ▶ "MELCO WLI-PCM-L11 Wireless LAN Adapter" may be included in "Other devices". If so, select "MELCO WLI-PCM-L11 Wireless LAN Adapter" and click the Remove button.



- 4** Click NO

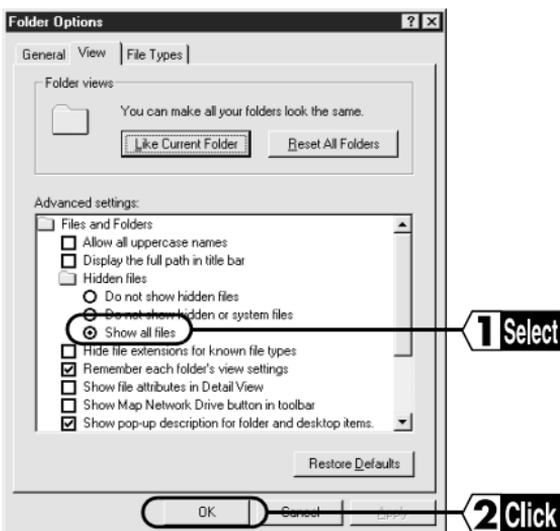


- 5 Double-click the Network icon.
- 6 If "MELCO WLI-PCM-L11 Wireless LAN Adapter" is displayed, remove it.
- 7 Click OK.

Note Click No if the message "Restart computer now?" appears.

Note If you are using Windows 95, skip Step 8, 9,10 and 11.

- 8 Click the Start button and select Programs - Explorer.
- 9 Select View R Folder Options and click the View tab.
- 10 Check "Show all files" and click OK.



- 11 Select "C:\Windows\INF\OTHER\MELCO INC.NETWLI11.INF" and click the Delete button.



12 Exit Windows98/95 and turn the computer off.

13 Remove the WLI-PCM-L11GP.

Check the PC card driver referring to "*Checking PC card driver*" on page 13 . Then re-install the driver following the steps in "Installation Instructions".

 **Next** Go to "*Checking PC card driver*" on page 13 .

Computers are not listed

Computers are not listed after double-clicking the Network Neighborhood icon.

Possible cause 1

The password was not entered when Windows98/95 started.

(The Cancel button is clicked or the ESC key is pressed when Windows 98/95 starts.)

Solution 1

Be sure to enter your user name and password when starting Windows98/95. If you forget your password, enter a different user name. In this case, you do not have to enter the password. If you enter a new password, the new user name and password are registered in the computer.

Possible cause 2

Network settings are not correct.

Solution 2

Check the protocol, workgroup name, and sharing settings.

When using Windows98/95, refer to "*Preparing for connection to network*" on page 21 .

Possible cause 3

It takes too long to search the network and list the connected computers.

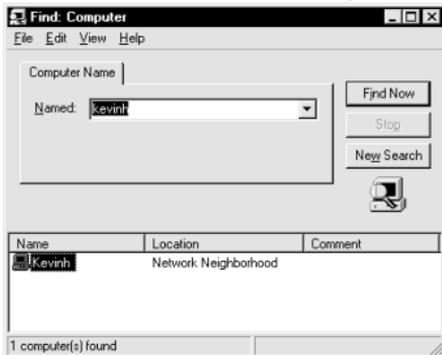
Solution 3

Search for the connected computers as follows.

- (1) Click the Start button and select Find - Computer....
- (2) Enter the name of the target computer and click the Find Now button.



- (3) Double-click the icon of the computer found to access it.



Possible cause 4

The driver of WLI-PCM-L11GP is not installed correctly.

Solution 4

Check that the driver is installed correctly.

When using Windows98/95, refer to *"Checking after installation"* on page 19 .

Possible cause 5

The drive is not installed correctly.

Solution 5

Refer to "The installation screen does not appear" (page 51) and then re-install the driver.

Communication between wireless LAN PCs is impossible

Possible cause 1

The driver is not installed correctly.

Solution 1

Check that the driver is installed correctly. Also, check that the lamp on the WLI-PCM-L11GP is lit.

When using Windows98/95, refer to "*Checking after installation*" on page 19 .

Possible cause 2

The wireless channel configuration is different from the target computer.

Solution 2

Check the wireless channel configuration for your computer and the target computer.

 **Reference** Refer to "*Connection to network*" on page 26 .

Possible cause 3

Communication is not possible due to poor signal reception.

Solution 3

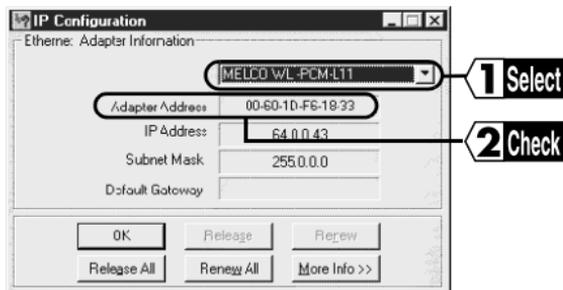
Shorten the distance between the WLI-PCM-L11GP PCs, or remove any obstacles between them, and re-try communication.

Checking MAC address

You can check the MAC address if you have installed TCP/IP protocol.

Windows 98/95

- 1 Select Start - Run.
- 2 Enter WINIPCFG.EXE and click OK.
"IP Configuration" dialog appears.
- 3 Select "MELCO WLI-PCM-L11GP". The MAC address is displayed in "Adapter Address" field.



6

Product specifications

Refer to the following table for production specifications.

Conforming standards	FCC Part15.247
	IEEE802.11b (wireless LAN standard protocol)
Transmission method	DS-SS (IEEE802.11b compliant), half-duplex
Max. distance between terminals	50 m outdoors, 115 m indoors * 25 m outdoors, 50 m indoors when 11Mbps (may vary depending on operating environment)
Compatible computers	IBM AT compatible equipped with PC card slot (type II)
Frequency range (Central frequency)	2412 - 2483.5 MHz
Operating channels	11 channels
Data transmission rate	11M/5.5M/2M/1M bps
Operating voltage	5V
Power consumption	Sending Max. 290 mA
	Receiving Max. 185 mA
Operating environment	Temperature 32 - 104 °F
	Humidity 20 - 80% (No dew point)
Weight	35g
Dimensions	102.0(W)mm × 53.95(D)mm × 5.0(H)mm

Federal Communications Commission Notice

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 television, which can be determined by turning the equipment off and on, 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 the 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.

Modifications

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by MELCO INC. (the manufacturer) may void the user's authority to operate the equipment.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment.

This equipment should be installed and operated with minimum distance at least 20cm between the radiator and persons body (excluding extremities : hands, wrists, feet and legs).

MEMO

WLI-PCM-L11GP User's Manual

07 December, 2001 First revision

BUFFALO TECHNOLOGY.

