

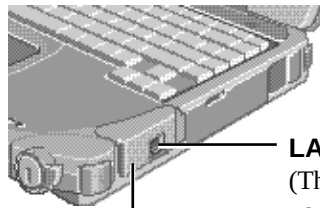
## Personal Computer Supplementary Instructions

### CF-28 with Wireless LAN (CF-WWL282) & Modem Port CF-28 with Wireless LAN (CF-WWL282) & LAN Port

This Supplementary Instructions manual explains how to get started with a wireless LAN or a wireless LAN & internal LAN port and point out cases where the operation of the computer will differ from that in the Operating Instructions and Reference Manual.

#### NOTE

Wireless LAN communications are done via an antenna. Please do not shield this antenna with the hand, etc. This will negatively effect the performance of your wireless LAN communications.



**LAN Port  or Modem Port **  
(This part differs depending on the model.  
Check the marking on the computer.)

**Wireless LAN Antenna**

#### Illustrations in this Manual

**Windows 98** : Information for Microsoft® Windows® 98 Second Edition users.

**Windows NT** : Information for Microsoft® Windows NT® Workstation Version 4.0 users.

**Windows 2000** : Information for Microsoft® Windows® 2000 Professional users.

#### Read Me First

#### “OPERATING INSTRUCTIONS”

Add the following “Information to the User”.

#### Information to the User

##### This product and your Health

This product, like other radio devices, emits radio frequency electromagnetic energy. The level of energy emitted by this product however is far much less than the electromagnetic energy emitted by wireless devices like for example mobile phones.

Because this product operates within the guidelines found in radio frequency safety standards and recommendations, we believe this product is safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.

In some situations or environments, the use of this product may be restricted by the proprietor of the building or responsible representatives of the organization. These situations may for example include:

- Using this product on board of airplanes, or
- In any other environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies on the use of wireless devices in a specific organization or environment (e.g. airports), you are encouraged to ask for authorization to use this product prior to turning on the product.

##### Regulatory Information

We are not responsible for any radio or television interference caused by unauthorized modification of this product. The correction of interference caused by such unauthorized modification will be the responsibility of the user. We and its authorized resellers or distributors are not liable for damage or violation of government regulations that may arise from failing to comply with these guidelines.

# Supplementary Instructions

## Read Me First - For U.S.A.

## "OPERATING INSTRUCTIONS"

Replace as follows.

### Federal Communications Commission Radio Frequency Interference Statement

Note: 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 reception, 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the Panasonic Service Center or an experienced radio/TV technician for help.

### Warning

To assure continued compliance, use only shielded interface cables when connecting to a computer or peripheral. Also, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

FCC RF Exposure Warning: This computer is provided with PC Card slots that could be used with wireless transmitter(s), which will be specifically recommended, when they become available. Other third-party wireless transmitter(s) have not been RF exposure evaluated for use with this computer and may not comply with FCC RF exposure requirements.

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.

Responsible Party: Matsushita Electric Corporation of America  
One Panasonic Way  
Secaucus, NJ 07094  
Tel No: 1-800-LAPTOP-5 (1-800-527-8675)

CAUTION: To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and person's body during wireless mode operation.

### Notice for the products using LCD

This product uses one or more fluorescent lamps containing a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: <<http://www.eiae.org/>>

<Only for models with modem port>

### FCC Regulation Notice for modem

**This equipment contains a FCC approved modem.**

Manufacturer of modem: Aztech Labs, Inc.  
Model No. MP3930V-W(C)



Tested To Comply  
With FCC Standards

FOR HOME OR OFFICE USE

1. This equipment complies with Part 68 of the FCC rules. On the computer is a label that contains, among other information, the FCC registration number and ringer equivalence number (REN) for this equipment. If required, this information must be provided to the telephone company.
2. An FCC compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 compliant. See Installation Instructions for details.
3. The REN is used to determine the quantity of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all area, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.
4. If your telephone equipment cause harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.
5. The telephone company may take changes in it's facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.
6. If trouble is experienced with this equipment, for repair or warranty information, please contact Matsushita Electric Corporation of America at DIAL TOLL FREE 1-800-LAPTOP5 (1-800-527-8675). If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
7. There are no user serviceable parts contained in this equipment.
8. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.
9. The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone fax machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entry, or other individual sending the message and the telephone number of the sending machine or such business, other entity, or individual. In order to program this information into your fax software, you should refer to the manual of the Fax software being used.
10. According to the FCC's electrical safety advisory, we recommend that you may install an AC surge arrestor in the AC outlet to which this equipment is connected. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources and that this is a major nationwide problem.

"Caution: To reduce the risk of fire, use only No.26 AWG or larger telecommunication line cord."

"ATTENTION: Pour réduire le risque d'incendie, utiliser uniquement des conducteurs de télécommunications 26 AWG ou de section supérieure."

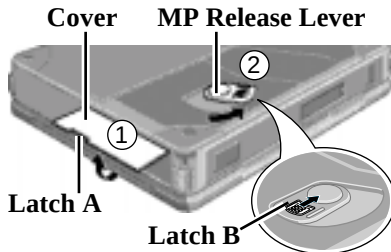
## First-time Operation

## “OPERATING INSTRUCTIONS”

<Only for models with the CF-WWL282 Driver CD-ROM>

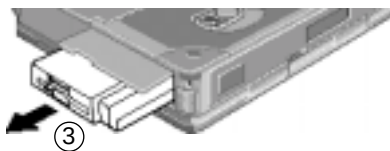
Insert the CD drive into the multimedia pocket with the following procedure before turning the computer on for the first time.

### Replace the floppy disk drive with the optional CD drive



① Turn your computer over and open the cover by sliding the latch A.

② Slide and hold the latch B on the MP release lever, then turn the MP release lever.



③ Remove the floppy disk drive by holding both sides of the drive.



④ Gently insert the CD drive into the multimedia pocket by pushing on both corners until it clicks into place.

Install the drive with the plastic side on top.

#### CAUTION

**Do not install the drive upside-down.**

The bottom of the drive may become disfigured.

After turning the computer on for the first time, perform the Windows setup procedure shown below.

(Be sure to follow the steps below and not the “Windows Setup” procedure in the “Operating Instructions”.)

### Turn your computer on and setup Windows

#### NOTE

- Moving the cursor (⏶) or clicking buttons can be performed with the touch pad.
- If a driver is updated, the computer may skip some steps. If you notice that a step has been skipped, simply follow the instructions on the screen. If you are unsure about how to proceed, ask your system administrator or the person in charge of the network.

#### Windows 98

- ① Rotate the power switch clockwise and hold it for approximately one second until the power indicator turns on before releasing it.
  - Each time [Add New Hardware Wizard] is displayed, select [Cancel].
  - The display will ask you to restart Windows, select [No].
- ② Select settings for your region and your keyboard layout, then press [Next].  
(for U.S.A.: United States 101)
- ③ Enter your name, then press [Next].
- ④ Select [Skip] at the [Using Your Modem to Connect].
- ⑤ Select [Yes] at the [Cancel Dialing], then press [Next].  
The License Agreement will be displayed.
- ⑥ After reading the License Agreement, select [I accept this agreement] or [I do not accept the agreement], then press [Next].

#### NOTE

- If [I do not accept the agreement] is selected, the Windows setup will be aborted.
- <During the setup procedure after reinstalling only>  
After you accept the agreement, the [Windows Product Key] may be displayed. In this case, input the Product Key and then select [Next].

- ⑦ Press [Finish].
  - ⑧ Input the correct date, time and time zone and press [Close]. You can also complete these settings at a later time.
  - ⑨ <Only for models with the CF-WWL282 Driver CD-ROM>  
If the CD drive is not installed at this time, turn the computer off, install the CD drive, and then turn the computer on.
    - Each time [Add New Hardware Wizard] is displayed, select [Cancel].
- 1) Set the CF-WWL282 Driver CD-ROM in the CD drive.  
Create “c:\util\drivers\aironet” folder. Select [Start] - [Programs] - [MS-DOS Prompt] and input the following.  
xcopy L:\\*.\* c:\util\drivers\aironet /s **Enter**  
(“L” is the CD drive letter. You can change the letter to suit your preference.)

# Supplementary Instructions

- 2) Remove the CD-ROM and turn the computer off, and then replace the CD drive with floppy disk drive. Turn the computer on.

**⑩ <Perform this step when [Add New Hardware Wizard] for Intel 8255x-base PCI Ethernet Adapter (10/100) is displayed.>**

(Go on to the next step when [Add New Hardware Wizard] for Intel 8255x-base PCI Ethernet Adapter (10/100) is not displayed.)

- 1) In [Add New Hardware Wizard] for Intel 8255x-based PCI Ethernet Adapter (10/100), press [Next].
- 2) Select [Search for the best driver for your device], press [Next].
- 3) Input [c:\util\drivers\lan], then press [Next].
- 4) Select [The update driver (Recommended)] and then press [Next], then press [Next].
  - If [Insert Disk] is displayed, press [OK] and then input [c:\util\drivers\lan], then press [OK].
  - Each time [Version Conflict] is displayed, select [Yes].
- 5) Press [Finish].
  - The display will ask you to restart Windows, select [Yes].
  - Logon to Windows.
- ⑪ At [Add New Hardware Wizard] for Cisco Systems-340/350 Series Wireless LAN Adapter, press [Next].
- ⑫ Select [Search for the best driver for your device], press [Next].
- ⑬ Input [c:\util\drivers\aironet] in [Specify a location], then press [Next].
- ⑭ At [Windows driver file search for the device:], press [Next].
  - If [Insert Disk] is displayed, select [OK] and then input [c:\util\drivers\aironet], then select [OK].
  - Each time [Version Conflict] is displayed, select [Yes].
- ⑮ When the message [Windows has finished installing the software that your new hardware device requires] is displayed, press [Finish].
- ⑯ The display will ask you to restart Windows, press [Yes].
- ⑰ At [Enter Network Password], press [OK].
- ⑱ In [Start]-[Settings]-[Control Panel]-[Network], make necessary change.

The settings will vary for different network environments depending on the network system being used. For more details, ask your system administrator or the person in charge of the network.
- ⑲ Install the Aironet Client Utility (ACU).

The Aironet Client Utility (ACU) is used to configure your client adapter for use in a wireless enterprise and perform user-level diagnostics on your client adapter. In [Start]-[Run], input [c:\util\drivers\aironet\utilities\acu\setup.exe] and press [OK].
- ☞ “Common Notes for Windows 98/Windows NT/Windows 2000” on page 6)

## Windows NT

- ① Rotate the power switch clockwise and hold it for approximately one second until the power indicator turns on before releasing it.
- ② The License Agreement will be displayed. After reading the agreement, select [I accept this Agreement].

## NOTE

If [I don't accept this Agreement] is selected, the Windows setup will be aborted.

- ③ Select [Next].
- ④ Input your name and organization, then select [Next]. (It is possible to omit the organization item.)
- ⑤ Input your computer name and select [Next].
- ⑥ Input an Administrator password and select [Next].

## CAUTION

Remember this password! If the password is forgotten, Windows NT cannot be operated.

- ⑦ Select [Finish]. Windows will restart.
- ⑧ Following the display, press **Ctrl** + **Alt** + **Del**. Input the password set in step ⑥ and select [OK], then select [Close] at the [Welcome] display.
  - As the computer starts up, it will be necessary to input the password set in step ⑥.
  - If [Service Control Manager] is displayed during the subsequent operation, press [OK]. Install Service Pack 6 after the Windows setup completes (☞ Reference Manual “Technical Information”).
- ⑨ Add the check mark to [Install system provided driver for this card] and press [OK].

Follow the on-screen instructions.
- ⑩ <Only for models with the CF-WWL282 Driver CD-ROM>
  - 1) Set the CF-WWL282 Driver CD-ROM in the CD drive.

Create “c:\util\drivers\aironet” folder. Select [Start] - [Programs] - [Command Prompt] and input the following.  
xcopy d:\\*.\* c:\util\drivers\aironet /s **Enter**  
 (“d” is the CD drive letter. You can change the letter to suit your preference.)
  - 2) Close [Command Prompt].
- ⑪ Install the Aironet Client Utility (ACU).

The Aironet Client Utility (ACU) is used to configure your client adapter for use in a wireless enterprise and perform user-level diagnostics on your client adapter. In [Start]-[Run], input [c:\util\drivers\aironet\utilities\acu\setup.exe] and press [OK]. Follow the on-screen instructions.
- ⑫ <Only for models with LAN port>
  - 1) Select [Add] in [Start] - [Settings] - [Control Panel] - [Network] - [Adapters].
  - 2) Select [Have Disk].
  - 3) Input [c:\util\drivers\lan], then select [OK].
  - 4) Select [Intel(R) PRO Adapter] and then select [OK].
  - 5) Select [Close] and follow the on-screen instructions.
- ⑬ In [Start]-[Settings]-[Control Panel]-[Network], make necessary change.

The settings will vary for different network environments depending on the network system being used. For more details, ask your system administrator or the person in charge of the network.
- ⑭ Set the correct settings for all items in [Control Panel]-[Regional Settings] and [Date/Time] etc.
- ☞ “Common Notes for Windows 98/Windows NT/Windows 2000” on page 6)

### Windows 2000

- ① Rotate the power switch clockwise and hold it for approximately one second until the power indicator turns on before releasing it.

#### CAUTION

Do not press any key or move the touch pad until the Windows setup screen is displayed.

- ② At the [Welcome to the Windows 2000 Setup Wizard], press [Next].
- ③ After reading the License Agreement, select [I accept this agreement] or [I don't accept this agreement], then press [Next].

#### NOTE

If [I do not accept the agreement] is selected, the Windows setup will be aborted.

- ④ Select settings for your region, then press [Next].
- ⑤ Enter your name and organization, then press [Next].

#### NOTE

**<During the setup procedure after reinstalling only>**  
After you accept the agreement, the [Windows Product Key] may be displayed. In this case, input the Product Key and then select [Next].

- ⑥ Enter your computer name and administrator password, then press [Next].

#### CAUTION

Remember this password! If the password is forgotten, Windows 2000 cannot be operated.

- ⑦ Input the correct date, time and time zone and press [Next]. You can also complete these settings at a later time.
- ⑧ **<Only for models with LAN port>**

#### NOTE

At the steps ⑧ and ⑩, we recommend asking your system administrator or the person in charge of the network.

- 1) At the [Networking Settings], select [Typical settings], then press [Next].
- 2) At the [Workgroup or Computer Domain], select [No, this computer is not on a network, or is on a network without a domain], then press [Next].
- ⑨ Press [Finish]. The computer will restart.

#### ⑩ <For models with LAN port>

- 1) At the [Network Identification Wizard], press [Next].
- 2) At the [Users of This Computer], select [Users must enter a user name and password to use this computer], then press [Next].
- 3) Press [Finish].
- 4) Logon as the administrator.
- 5) At [Found New Hardware Wizard], select [Cancel].

#### <For models with modem port>

- 1) Logon as the administrator.
- 2) At [Found New Hardware Wizard], select [Cancel].

#### ⑪ <Only for models with CF-WWL282 Driver CD-ROM>

If the CD drive is not installed at this time, turn the computer off, install the CD drive, and then turn the computer on.

- If [Found New Hardware Wizard] is displayed, select [Cancel].

- 1) Set the CF-WWL282 Driver CD-ROM.

Create "c:\util\drivers\aironet" folder. Select [Start] - [Programs] - [Accessories] - [Command Prompt] and input the following.

```
xcopy d:\*.* c:\util\drivers\aironet /s Enter  
(“d” is the CD drive letter. You can change the letter to suit your preference.)
```

- 2) Remove the CD-ROM and turn the computer off, and then replace the CD drive with floppy disk drive. Turn the computer on.
- 3) Logon as the Administrator.

- ⑫ At [Found New Hardware Wizard], press [Next].
- ⑬ Select [Search for a suitable driver for my device] and press [Next].
- ⑭ Select [Specify a location] and press [Next].
- ⑮ Input [c:\util\drivers\aironet] and press [OK].
- ⑯ Press [Next] and press [Finish].
- ⑰ Install the Aironet Client Utility (ACU).

The Aironet Client Utility (ACU) is used to configure your client adapter for use in a wireless enterprise and perform user-level diagnostics on your client adapter. In [Start]-[Run], input [c:\util\drivers\aironet\utilities\acu\setup.exe] and press [OK].

Follow the on-screen instructions.

#### ⑱ <Only for models with LAN port>

- 1) Select [Device Manager] in [Start] - [Settings] - [Control Panel] - [System] - [Hardware].
- 2) Double-click [Intel 8255x-based PCI Ethernet Adapter (10/100)] in [Network adapters].
- 3) Select [Driver] and press [Update Driver].
- 4) Press [Next], then press [Next].
- 5) Add the check mark for [Specify a location] and press [Next].
- 6) Input [c:\util\drivers\lan] and press [OK].
- 7) Add the check mark for [Install one of the other drivers] and press [Next].
- 8) Select the driver for which the [Provider] is [Intel], and then press [Next].
  - Each time [Digital Signature Not Found] is displayed, press [Yes].
- 9) Press [Finish] and press [Close].

- ⑲ In [Start]-[Settings]-[Control Panel]-[Network and Dial-up Connections], make necessary change. The settings will vary for different network environments depending on the network system being used. For more details, ask your system administrator or the person in charge of the network.

☞ “Common Notes for Windows 98/Windows NT/Windows 2000” on next page)

# Supplementary Instructions

## NOTE

### Common Notes for Windows 98/Windows NT/Windows 2000

- If the cursor can not be pointed correctly with your finger, perform [Calibration] in [Start]-[Settings]-[Control Panel]-[Mouse]-[TouchScreen].
- If necessary, install the utility program with the following procedure.  
When installing the program, see “c:\util\drivers\aironet\documentation” for a detailed explanation.  
Installing the IP Setup Utility (IPSU):  
The IP Setup Utility (IPSU) is used to get the IP address of a wireless ethernet device based on the device MAC ID.  
In [Start]-[Run], input [c:\util\drivers\aironet\utilities\ipsu\setup.exe] and press [OK].  
For information about the other utilities and documentation, access the following URL.  
<http://www.cisco.com/public/sw-center/sw-wireless.shtml>
- **Using the Computer as a Network Computer**  
When using the computer as a network computer, some additional settings may have to be made depending on the usage conditions. We recommend asking your system administrator or the person in charge of the network.

## Reinstalling

During Windows setup following reinstallation, follow the on-screen instructions while referring to the Supplementary Instructions “Turn your computer on and setup Windows”.  
For CF-28M series Windows NT model, refer to the procedure below.

### <Only for CF-28M series Windows NT model>

- ① The Software License Agreement will be displayed.  
After reading the agreement, select [I Agree].

## NOTE

- If [I Disagree] is selected, the Windows setup will be aborted.
- Moving the cursor (↵) or clicking buttons can be performed with the touch pad.

- ② Select [Next].
- ③ Input your name and organization, then select [Next].  
(It is possible to omit the organization item.)
- ④ Input the Product ID written down in the column “Customer’s record” (☞ “Operating Instructions”) then select [Next].  
To move the cursor to a particular item, press **Tab** or click the desired box.
- ⑤ Input your computer name and select [Next].
- ⑥ Input an Administrator password and select [Next].

## CAUTION

Remember this password! If the password is forgotten, Windows NT cannot be operated.

- ⑦ Select [Next].
- ⑧ Select [Do not connect this computer to a network at this time], then select [Next].  
(Settings can be made for a network even after Windows starts up. In this case, be sure to read [When Adding New Software or Hardware Components] in the Reference Manual [Technical Information].)

### ● When establishing settings for a network:

The settings will vary for different network environments depending on the network system being used. For more details, ask your system administrator or the person in charge of the network. Follow the on-screen instructions.

## NOTE

- The driver for the internal LAN port is in [c:\util\drivers\lan]. Be sure to select [Intel(R) PRO Adapter].
- It takes several minutes for the necessary files to be copied. If the computer enters the ECO mode, the power to the LCD is automatically turned off. In this case, press a key unrelated to the direct triggering of a selection, like **Ctrl**.

- ⑨ Press [Restart Computer].
- ⑩ Select “Windows NT Workstation Version 4.00” and press **Enter**.
- ⑪ Following the display, press **Ctrl** + **Alt** + **Del**. Input the password set in step ⑥ and select [OK], then select [Close] at the [Welcome] display.
  - As the computer starts up, it will be necessary to input the password set in step ⑥.
  - Following this, if [Press any key to continue ...] is displayed on the MS-DOS screen, press **Enter**.
- ⑫ Install Intel (R) Speed Step (TM).  
(At the [Welcome], select [Next]. When the installation completes, select [No, I will restart my computer later], select [Finish].)
- ⑬ Follow the on-screen instructions and install ESS Allegro1 Utility.  
(At the [Welcome], select [Next]. Confirm [Upgrade Drivers] is selected, then select [Next]. When the installation completes, select [No, I will restart my computer later], then select [Finish].)

- ⑭ **<For models with LAN port>**  
Select [Cancel].
- <For models with modem port>**  
Follow the on-screen instructions and install modem driver.  
(At the [Modem Board Installation Wizard], select [Next]. Confirm [MP3930V-W(C) Modem] is displayed when “The wizard will install the modem driver shown below” is displayed on the screen and select [Next], then select [Finish].
- ⑮ Follow the on-screen instructions and install Phoenix APM 2.0 for Windows NT.  
When the installation completes, select [Don't Restart now].
- ⑯ Follow the on-screen instructions and install Phoenix Card Executive for Windows NT.  
When the installation completes, select [Restart now].
- ⑰ When the message [Press <F2> to enter SETUP] is displayed, press **(F2)** and then run the Setup Utility.  
If the password has been set, enter the Supervisor Password.
- ⑱ Press **(F9)**.  
At the confirmation message, select [Yes] and press **(Enter)**. (The Setup Utility settings will return to their default values. Even the security settings with the exception of the password(s) will return to their default values.)  
Change the settings where necessary.
- ⑲ Press **(F10)**.  
At the confirmation message, select [Yes] and press **(Enter)**.
- ⑳ The [Begin Logon] display will appear. Perform the operation in step ⑪.
- ㉑ Press **(Fn) + (Tab)** on viewing [Card Executive 2.0 for NT Diagnostics] and check whether  is displayed.  
If so, select [Next].
- ㉒ Select [Next], then select [Finish].  
Windows will restart.
- ㉓ The [Begin Logon] display will appear. Perform the operation in step ⑪.
- ㉔ Add the check mark to [Install system provided driver for this card] and press [OK].  
Follow the on-screen instructions.  
● If [Service Control Manager] is displayed, press [OK].  
Install Service Pack 6 after the Windows setup completes (☞ Reference Manual “Technical Information”).
- ㉕ Select [Change] in [Start] - [Settings] - [Control Panel] - [Mouse] - [General].
- ㉖ Press [Have Disk] and input [c:\util\drivers\mouse], then press [OK].
- ㉗ Confirm [Touchpad/Touchscreen] is selected, then press [OK].  
If [Confirm Device Install] is displayed, press [Yes].
- ㉘ Press [Close].  
The display will ask you to restart Windows, press [Yes].
- ㉙ The [Begin Logon] display will appear. Perform the operation in step ⑪.
- ㉚ Double-click the [Internet Explorer] icon to install Internet Explorer.
- ㉛ Select [I accept the agreement], then select [Next].
- ㉜ Select [Install Minimal, or customize your browser], then select [Next].
- ㉝ Select [Full] by clicking , then select [Next].
- ㉞ At the [Restart Computer], select [Finish].
- ㉟ The [Begin Logon] display will appear. Perform the operation in step ⑪.
- ㊱ Set the correct settings for all items in [Control Panel]-[Regional Settings] and [Date/Time] etc.
- ㊲ Install the Acrobat Reader. (☞ “Operating Instructions”)
- ㊳ Turn the computer off and replace the floppy disk drive with CD drive.
- ㊴ Turn the computer on and logon as the Administrator.
- ㊵ Set the CF-WWL282 Driver CD-ROM in the CD drive. Create “c:\util\drivers\aironet” folder. Select [Start] - [Programs] - [Command Prompt] and input the following.  
xcopy d:\\*. \* c:\util\drivers\aironet /s **(Enter)**  
 (“d” is the CD drive letter. You can change the letter to suit your preference.)
- ㊶ Install the Aironet Client Utility (ACU).  
The Aironet Client Utility (ACU) is used to configure your client adapter for use in a wireless enterprise and perform user-level diagnostics on your client adapter.  
In [Start]-[Run], input [c:\util\drivers\aironet\utilities\acu\setup.exe] and press [OK].
- ㊷ **<Only for models with LAN port>**  
1) Select [Add] in [Start] - [Settings] - [Control Panel] - [Network] - [Adapters].  
2) Select [Have Disk].  
3) Input [c:\util\drivers\lan] and then select [OK].  
4) Select [Intel(R) PRO Adapter] and then select [OK].  
5) Select [Close] and follow the on-screen instructions.
- ㊸ In [Start]-[Settings]-[Control Panel]-[Network], make necessary change.  
The settings will vary for different network environments depending on the network system being used. For more details, ask your system administrator or the person in charge of the network.
- ㊹ Remove the CD-ROM and turn the computer off, then replace the CD drive with floppy disk drive.

#### NOTE

If the cursor can not be pointed correctly with your finger, perform [Calibration] in [Start]-[Settings]-[Control Panel]-[Mouse]-[TouchScreen].

# Supplementary Instructions

## Specifications

## “OPERATING INSTRUCTIONS ”

Add the following information.

|              |                                                 |
|--------------|-------------------------------------------------|
| LAN          | IEEE 802.3 10Base-T<br>IEEE 802.3u 100Base-TX   |
| Wireless LAN | IEEE 802.11b compliant<br>Frequency 2.4GHz band |

## Setup Utility

## “REFERENCE MANUAL ”

Replace the “Advanced Menu” for the following.

|                       |           |
|-----------------------|-----------|
| Device Configuration: | [BIOS]    |
| Serial Port A:        | [Auto]    |
| Serial Port B:        | [Disable] |
| IrDA Port:            | [Auto]    |
| MP Serial Port :      | [Disable] |
| Parallel Port:        | [Auto]    |
| Mode:                 | [ECP]     |
| Sound Controller:     | [Enable]  |
| CardBus Controller A: | [Enable]  |
| CardBus Controller B: | [Enable]  |
| Modem:                | [Enable]  |
| LAN:                  | [Enable]  |
| Boot up from LAN:     | [Disable] |
| Wake up from LAN:     | [Disable] |

## Parameters ( : Default)

|                                     |                          |
|-------------------------------------|--------------------------|
| CardBus Controller B*1              | Disable<br><u>Enable</u> |
| LAN (Only for models with LAN port) | Disable<br><u>Enable</u> |
| Boot up from LAN*2                  | <u>Disable</u><br>Enable |
| Wake up from LAN*3                  | <u>Disable</u><br>Enable |

\*1 ● In [CardBus Controller B], set the Wireless LAN to enable/disable.

\*2 ● This function may not be displayed depending on model.  
● [Disable] is automatically set when [LAN] is set to [Disable].

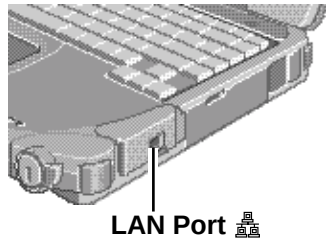
\*3 ● [Disable] is automatically set when [LAN] is set to [Disable].  
● Wake up function works on Windows 98 or Windows 2000 irrespective of the [Wake up from LAN] setting.  
● When the [Wake up from LAN] has been enabled;  
In the OFF state, if you are not recharging your battery pack or if the pack is fully charged, your computer consumes approximately 3.0 W.

## <Only for models with LAN port>

### Using LAN

This model has an internal LAN port.

When using the LAN, set [LAN] to [Enable]\* in the Setup Utility. (\* Default)



#### WARNING

Do not insert a telephone line connector (including a PBX internal phone) into the LAN port. Doing so may cause fire or electric shock.

#### NOTE

- Do not use standby or hibernation functions during communications.
- Unable to connect to network (When the indicator of your HUB unit does not light):

##### Windows 98

- 1 Select [Network] in [Start] - [Settings] - [Control Panel].
- 2 Select [Intel 8255x-based PCI Ethernet Adapter (10/100)].
- 3 Select [Properties].
- 4 Select [Advanced].
- 5 Select [Link Speed & Duplex] from [Property], set [Value] to the communication speed (10 Mbps or 100 Mbps) suitable for your network environment, and then press [OK].

##### Windows NT

- 1 Select [Adapters] in [Start] - [Settings] - [Control Panel] - [Network].
- 2 Select [Intel 8255x-based PCI Ethernet Adapter (10/100)].
- 3 Select [Properties] - [Advanced].
- 4 Select [Link Speed & Duplex] from [Setting], set [Value] to the communication speed (10 Mbps or 100 Mbps) suitable for your network environment, and then press [OK].

##### Windows 2000

- 1 Select [Device Manager] in [Start] - [Settings] - [Control Panel] - [System] - [Hardware].
- 2 Select [Intel 8255x-based PCI Ethernet Adapter (10/100)] from [Network adapters].
- 3 Select [Action] - [Properties].
- 4 Select [Advanced].
- 5 Select [Link Speed & Duplex] from [Property], and set [Value] to the communication speed (10 Mbps or 100 Mbps) suitable for your network environment, and then press [OK].

# Supplementary Instructions

## <Only for models with LAN port>

### Wake up from LAN

This is a function to automatically power ON the computer from a network server. To use this function, it is necessary to have a network environment that accommodates Wake up from LAN.

To use this function:

#### Windows 98 Windows 2000

- 1 Select [Device Manager]<sup>\*1</sup> in [Start] - [Settings] - [Control Panel] - [System].
- 2 Select [Intel 8255x-based PCI Ethernet Adapter (10/100)] from [Network adapters].
- 3 Select [Properties]<sup>\*2</sup>.
- 4 Select [Power Management] and add the check mark for [Allow this device to bring the computer out of standby], and then press [OK].

<sup>\*1</sup> Windows 2000: [Hardware] - [Device Manager]

<sup>\*2</sup> Windows 2000: [Action] - [Properties]

#### Windows NT

Set [Wake up from LAN] to [Enable] with the Setup Utility. (☞ page 8)

#### NOTE

- Be sure to connect the AC adaptor, and enable the supply of power.
- Make settings to allow the use of a Local Area Network.
- When the Wake up from LAN function is being used, data protection using the Access Key is not possible since the power of the computer is on even without rotating the power switch.

#### Windows 98 Windows 2000

- When using the Wake up from LAN function, delete the check mark for [Prompt for password when computer goes off standby] in [Start] - [Settings] - [Control Panel] - [Power Management]\* - [Advanced].

\* Windows 2000 : [Power Options]

- The Wake up from LAN function will not operate under the following conditions:
  - When the computer has been shut down.
  - When both the battery pack and the AC adaptor has been removed and connected again.

#### Windows 98

When the computer has been placed in standby or hibernation mode from MS-DOS mode.

- This works on Windows 98 or Windows 2000 irrespective of the [Wake up from LAN] setting of the Setup Utility.

#### Windows NT

- The Wake up from LAN function will not operate under the following conditions:
  - When the computer has been shut down by rotating the power switch for more than four seconds (this is when [Standby] or [Hibernation] has been set for [Power Switch] of the [Power] menu in the Setup Utility).
  - When the password has been input incorrectly, and the computer has returned to standby, hibernation, or power off status.
  - When both the battery pack and the AC adaptor has been removed and connected again.
- When using the Wake up from LAN function, the password is not necessary even if the password has been set in the Setup Utility.

## MEMO

---

**Panasonic Computer Solution Company,**  
50 Meadowlands Parkway, Panazip 2F-5,  
Secaucus, NJ 07094

**Panasonic Canada Inc.**  
5770 Ambler Drive Mississauga,  
Ontario L4W 2T3

© 2001 Matsushita Electric Industrial Co., LTD. All Rights Reserved.  
Printed in Japan

FJ1101-0  
DFQX5294ZA

