SHARP

Software for the PG-M25X projector

Wireless Reality

OPERATION MANUAL

Make sure to read this manual thoroughly
in order to correctly use this product.
Before using make sure to read the software license agreement.

For **Windows**

Introduction

"Wireless Reality" software for the Sharp projector allows for a more effective presentation by transferring images from a computer to the projector via a wireless connection and saving slide show files to memory cards, thus creating presentations using only the projector and a memory card.

The following software is included with this package.

■ Image Transfer
Allows for computer screens or image files to be sent and displayed by the projector via a wireless connection.

■ Network Selector
Allows you to change all the settings when using a computer in a wireless environment.

■ Sharp Wireless LAN PC Card Driver
Wireless LAN PC Card (AN-WC11B) driver.

■ Slide Manager
Allows for creating slide show files and stores them on a memory card. Just insert the memory card with the slide show files into the projector, and the slide show will automatically start.
Can be used to make presentations without a computer.

■ Virtual Printer
Allows for data files from different types of application such as PowerPoint to be converted into still image files.

NOTE
- This software supports only the PG-M25X model.
- Operation has been checked with the Sharp Wireless LAN PC Card AN-WC11B (or supplied RUNTKA025WJZZ) only.

This manual assumes that you are familiar with Windows and mouse operations. If not, refer to the appropriate documentation that comes with the Windows operating system.
- This OPERATION MANUAL is based on the Windows XP Classic View.
  When using Windows XP, change to the Classic View. To change to the Classic View, make the settings in "Control Panel" on the "Start" menu. For more information about the settings, please refer to the documentation that comes with Windows XP.

For details about the Sharp Wireless LAN PC Card AN-WC11B, refer to "Wireless LAN PC Card AN-WC11B OPERATION MANUAL".

The specifications of this software is subject to change without prior notice.
Please visit our website for the latest drivers and support information:
http://www.sharp-world.com/projector/

- Microsoft, Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Acrobat, Acrobat Reader are either registered trademarks or trademarks of Adobe Systems Incorporated.
- Other product and company names mentioned herein may be the registered trademarks or the trademarks of their respective owners.
- The explanations in this manual may vary depending on the type of computer you are using. Also, operations may be slower, depending on the operating environment and processing capability of your computer.

Contents

System Requirements

This software requires the following minimum system configuration:

PC running under Microsoft Windows 98, 98SE, Me, 2000 Professional, XP Home Edition,
XP Professional Edition. (Japanese and English versions)

CPU:	500 MHz Pentium Ⅲ processor or higher recommended
Memory:	64 MB of RAM or more (Windows 98, 98SE, Me)
	96 MB of RAM or more (Windows 2000 Professional)
	160 MB of RAM or more (Windows XP Home Edition, Professional Edition)
Hard Disk:	50 MB or more of free hard disk space
Display:	A 1,240 × 768 dot display capable of displaying 65,536 colors or more recommended
Interface:	PC card slot interface (PCMCIA TYPE Ⅱ)
CD-ROM Drive	
Browser:	Internet Explorer 4.01 or later

Wireless LAN Card: The card included with the PG-M25X or the AN-WC11B (sold separately)

⚠ CAUTION

This software may not work on user-built computers or computers that have had their motherboards modified.

Installing

Install this software using the setup program included in the CD-ROM.

⚠ CAUTION
- Make sure to consult your Network Administrator when installing this software on a computer connected to a network.
- Before touching the Wireless LAN PC Card, make sure to touch any metallic object such as a faucet or doorknob to discharge any static electricity in your body.

Before installing

- If there are any other 11 Mbps (IEEE 802.11b std) wireless LAN card drivers already installed on your computer, make sure to uninstall them before performing the procedure below.
- Do not insert the wireless LAN PC card into the PC card slot on the computer until indicated by the instructions on the screen.

1 **Make sure that the computer you are using supports this software.**
For details, see "System Requirements" on page 4.
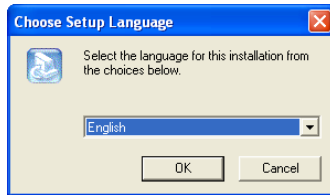
2 **Turn on the computer.**

NOTE ▶

If your operating system is Windows 2000 or Windows XP, log on using an account that has Administrators permission.

**3** **Make sure to close all other applications before installing.**

4 **Insert the included CD-ROM into the computer's CD-ROM drive.**

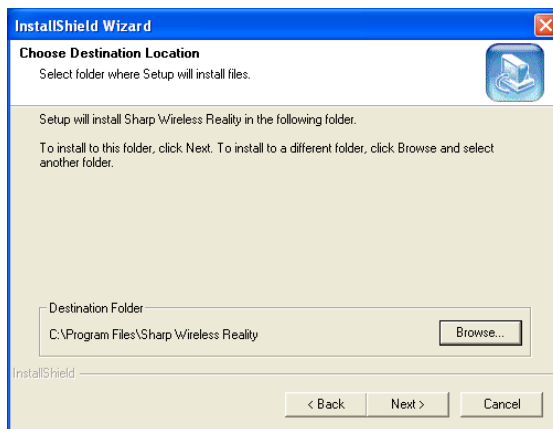**5** **Select "English", and click "OK" when the "Choose Setup Language" dialog box is displayed.**

If the "Choose Setup Language" dialog box is not displayed:
① Click the "Start" button, and then "Run".
② Enter "R:\software\setup.exe" and click "OK".
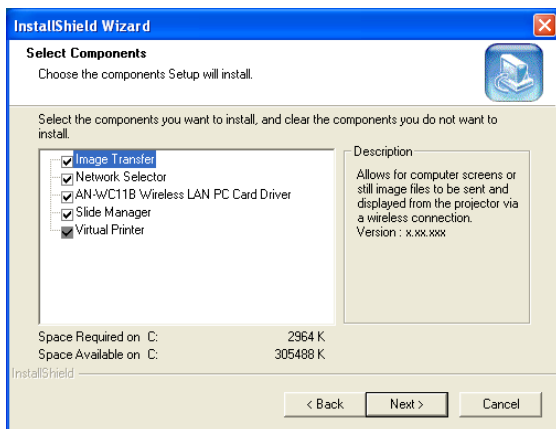   (Enter the CD-ROM drive letter if it is different from "R".)
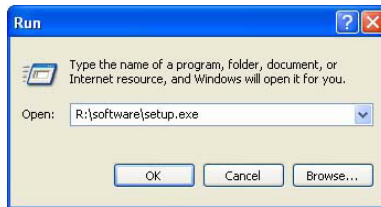
6 **Select the install destination on the "Choose Destination Location" dialog box, and then click "Next>".**

NOTE ▶

Normally, it is not necessary to change the settings providing there are no problems.

7 **Select the software you want to install on the "Select Components", and then click "Next>".**

NOTE ►

- Normally, it is not necessary to change the settings providing there are no problems.
- A short explanation will be displayed in the "Description" box when clicking the software name on the tree list.
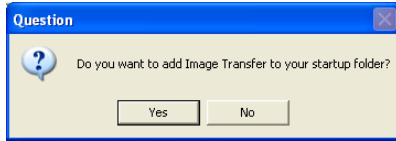
8 **Select the program folder on the "Select Program Folder" dialog box, and then click "Next>".**
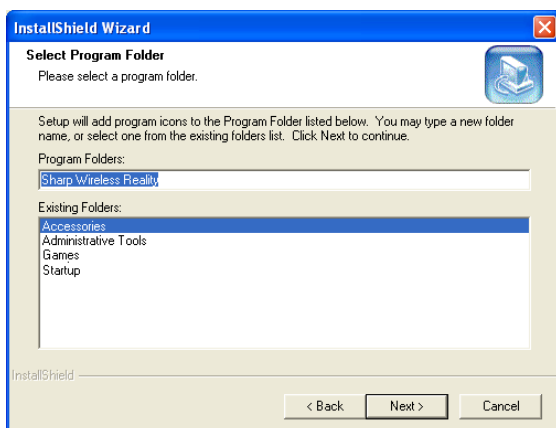
NOTE ►

Nomally, it is not necessary to change the settings providing there are no problems.

9 Click "Yes" if you want to register the "Image Transfer" to the startup folder. Click "No" if it is not necessary.
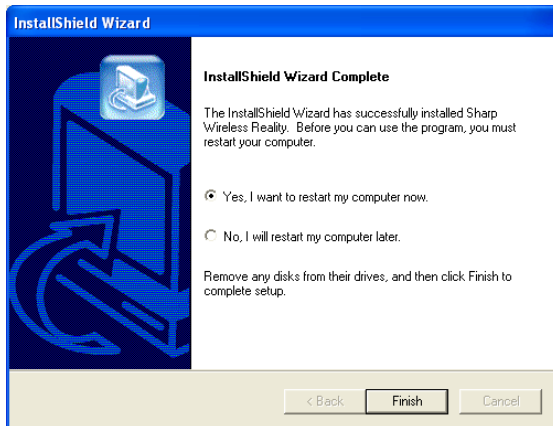
Question
❓ Do you want to add Image Transfer to your startup folder?
Yes   No

Installation starts. When the "Digital Signature Not Found" dialog box or the "Hardware Installation" dialog box is displayed, click "Yes" or "Continue Anyway". After installation is complete, the "InstallShield Wizard Complete" dialog box is displayed.

10 Select "Yes, I want to restart my computer now.", and then click "Finish" to restart the computer.

InstallShield Wizard

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed Sharp Wireless Reality. Before you can use the program, you must restart your computer.

⦿ Yes, I want to restart my computer now.

○ No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

< Back   Finish   Cancel

The following procedures vary depending on the operating system you are using.

Using Windows 98/Me

11 Insert the Wireless LAN PC Card into the PC Card slot.

⚠ CAUTION
- Do not insert the Wireless LAN PC Card until the computer is fully loaded.
- Make sure to insert the Wireless LAN PC Card with the LINK indicator facing upwards. If you force the card into the slot in the wrong direction, it may damage the connector and communication will not be possible.

NOTE ▶
The location of the PC card slot may vary depending on your computer. For details, refer to the documentation that comes with your computer.

12 Wait until the screen below is displayed and the Wireless LAN PC Card driver is installed

New Hardware Found

Sharp AN-WC11B Wireless LAN PC Card

Windows is installing the software for your new hardware.

■ Check if the "Configuration Utility for Wireless LAN" is displayed on the task tray

10:00 AM

Configuration Utility for Wireless LAN icon
(The color of the icon varies according to the signal status.)

- If this icon is not displayed on the status bar, the driver is not properly installed. See "Reinstalling the 'Sharp AN-WC11B Wireless LAN PC Card' driver" on page 13 to uninstall and then reinstall the driver.

13 From the "Start" menu, click "Settings", "Control Panel", and then double click "PC Card".

14 Check if there is a "Sharp AN-WC11B Wireless LAN PC Card" in one of the sockets.
If "Sharp AN-WC11B Wireless LAN PC Card" is displayed, the card has been correctly detected.

15 Double click "Control Panel", and then click "System".

16 Click the "Device Manager" tab, and then double click "Network adapters".
- If the "Sharp AN-WC11B Wireless LAN PC Card" is displayed, installation is completed.
- If there is a yellow " ? " or " ! " mark next to the "Sharp AN-WC11B Wireless LAN PC Card" icon, then installation has failed. Refer to "Troubleshooting" (page 54).

Using Windows 2000

11 Insert the Wireless LAN PC Card into the PC Card slot.

⚠ CAUTION
- Do not insert the Wireless LAN PC Card until the computer is fully loaded.
- Make sure to insert the wireless LAN PC Card with the LINK indicator facing upwards. If you force the card into the slot in the wrong direction, it may damage the connector and communication will not be possible.

NOTE

The location of the PC card slot may vary depending on your computer. For details, refer to the documentation that comes with your computer.

12 Follow the instructions displayed on the screen below.

Found New Hardware

Sharp AN-WC11B Wireless LAN PC Card

Installing ...

When the "Digital Signature Not Found" dialog box is displayed, click "Yes".

■ Check if the "Configuration Utility for Wireless LAN" is displayed on the task tray

10:00

Configuration Utility for Wireless LAN icon
(The color of the icon varies according to the signal status.)

- If this icon is not displayed on the status bar, the driver is not properly installed. See "Reinstalling the 'Sharp AN-WC11B Wireless LAN PC Card' driver" on page 13 to uninstall and then reinstall the driver.

13 From the "Start" menu, click "Settings", and then "Control Panel".

14 Double click the "System" icon.

15 Click the "Hardware" tab, and then "Device Manager".

16 Double click "Network adapters".
- If the "Sharp AN-WC11B Wireless LAN PC Card" is displayed, installation is completed.
- If there is a yellow " ? " or " ! " mark next to the "Sharp AN-WC11B Wireless LAN PC Card" icon, then installation has failed. Refer to "Troubleshooting" (page 54).

-10

Using Windows XP

11 Insert the Wireless LAN PC Card into the PC Card slot.

⚠ **CAUTION**
- Do not insert the Wireless LAN PC Card until the computer is fully loaded.
- Make sure to insert the wireless LAN PC Card with the LINK indicator facing upwards. If you force the card into the slot in the wrong direction, it may damage the connector and communication will not be possible.

NOTE ▶

The location of the PC card slot may vary depending on your computer. For details, refer to the documentation that comes with your computer.

12 Follow the instructions displayed on the screen below.

When the "Hardware Installation" dialog is displayed, click "Continue Anyway".

■ **Check if the "Configuration Utility for Wireless LAN" is displayed on the task tray**

Configuration Utility for Wireless LAN icon
(The color of the icon varies according to the signal status.)

- If this icon is not displayed on the status bar, the driver is not properly installed. See "Reinstalling the 'Sharp AN-WC11B Wireless LAN PC Card' driver" on page 13 to uninstall and then reinstall the driver.

When the LINK indicator on the Wireless LAN PC Card is lit:

①Double click the wireless network connection icon (🖥) in the status bar.

②Select "SHARP_PRJ" and click "Connect".

Make sure that the icon is green (📶). The LINK indicator lights up.

13 **From the "Start" button, click "Control Panel".**

14 **On the upper left hand cover, click "Switch to Classic View", and then click "System" on the right.**

15 **Click the "Hardware" tab, and then click "Device Manager".**

16 **Double click "Network adapters".**
- If the "Sharp AN-WC11B Wireless LAN PC Card" is displayed, installation is completed.
- If there is a yellow " ? " or " ! " mark next to the "Sharp AN-WC11B Wireless LAN PC Card" icon, then installation has failed. Refer to "Troubleshooting" (page 54).

If the unit does not function properly:

"!", "?" or "X" is displayed on the "Sharp AN-WC11B Wireless LAN PC Card" icon indicates that the Wireless LAN PC Card driver is not functioning.

An error occurred

The following can be probable causes for the error:
- The "Sharp AN-WC11B Wireless LAN PC Card" is not properly installed.
- Another wireless LAN PC card is already installed.
- Driver or hardware conflict.

If any of these errors occur, uninstall the "Sharp AN-WC11B Wireless LAN PC Card" and then reinstall it again (page 13).

If there is another wireless LAN PC card already installed, uninstall it first before installing the Sharp AN-WC11B Wireless LAN PC Card.
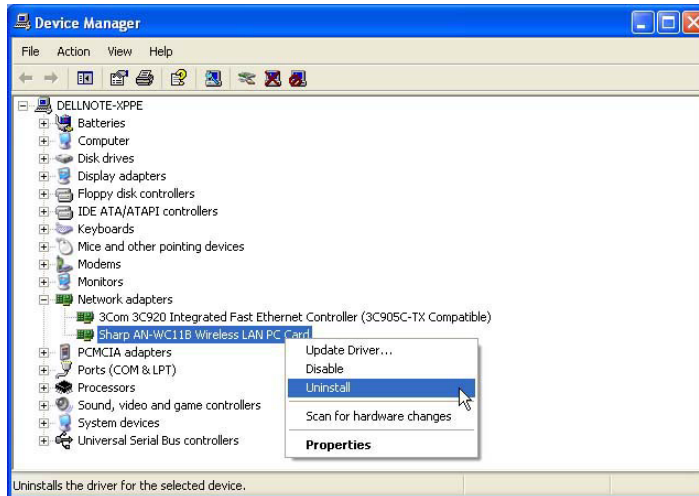To uninstall other wireless LAN PC cards from your computer, refer to the documentation of the respective wireless LAN PC card.

■ **Reinstalling the "Sharp AN-WC11B Wireless LAN PC Card" driver**

NOTE

The "Sharp AN-WC11B Wireless LAN PC Card" driver should be uninstalled before reinstalling.

1 **Click the "Start" menu, "Settings", and then "Control Panel".**

2 **Double click "System", and then select the "Hardware" tab.**

3 **Click "Device Manager" , and then [+] in "Network adapters".**

4 **Select the "Sharp AN-WC11B Wireless LAN PC Card", and then click "Uninstall".**

5 **Click "OK".**

6 **Make sure that the PC card adapter icon has disappeared from the status bar, and remove the "Sharp AN-WC11B Wireless LAN PC Card" from the computer's PC card slot.**

Before removing the card, make sure that the two icons have disappeared.

NOTE

Depending on the operating system, the LINK indicator on the Wireless LAN PC Card may stay lit. This does not indicate a malfunction.

For information about how to remove the PC card, refer to the documentation that comes with your computer.

7 **Uninstall the AN-WC11B Wireless LAN PC Card driver.**

For more information about uninstall, refer to "Changing/Removing the Software" (page 15).

8 **Restart the computer.**

9 **Install the AN-WC11B Wireless LAN PC Card driver.**

For more information about installation, refer to "Installing" (page 5).

Changing / Removing the Software

Uninstalling or adding the software.

1 Close all applications that are currently running.

NOTE ▶

To close the "Image Transfer", right click the projector icon on the status bar, and then click "Exit" on the pop up menu (page 28).
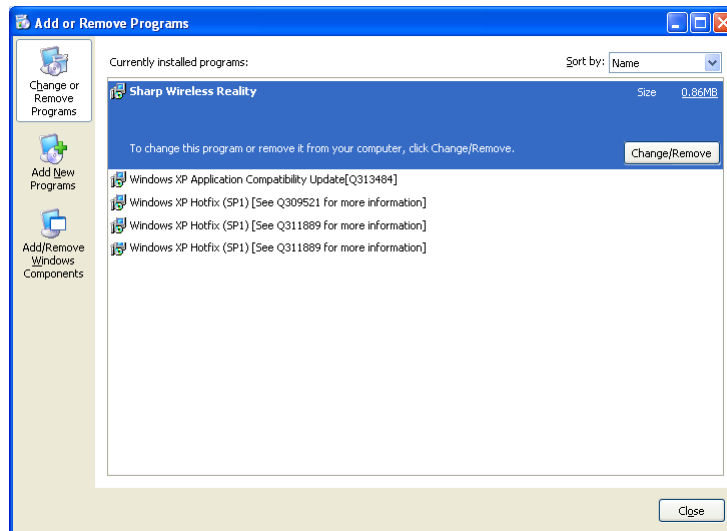
2 Remove the Wireless LAN PC Card from the computer.

3 Click the "Start" menu, "Settings", and then "Control Panel".
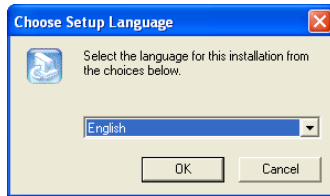If your operating system is Windows XP, click the "Start" button, and then "Control Panel".

4 Click the "Add or Remove Programs" icon.

Add or Remove Programs

5 Select "Sharp Wireless Reality", and then click "Change/Remove".

6 **Select "English", and then click "OK" on the "Choose Setup Language" dialog box.**

7 **Select "Modify", "Repair" or "Remove", and then click "Next>" on the "Welcome" dialog box.**

■ **"Modify"**
For adding software that was not installed or uninstalling components from the software. The "Select Components" dialog box is displayed and there you can select which programs you want to add or remove.
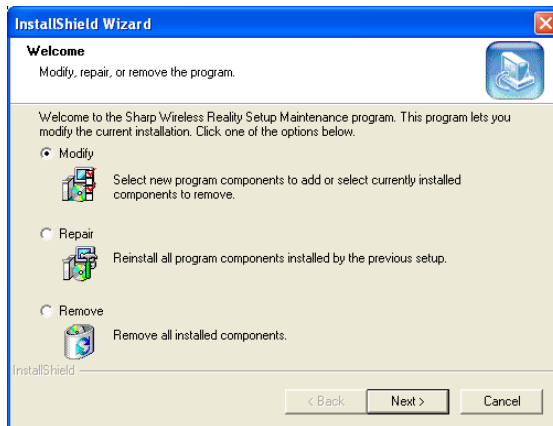
- □→☑ Add
- ☑→□ Remove

■ **"Repair"**
For reinstalling software already in the computer.

■ **"Remove"**
For uninstalling (removing) software already installed.

8 **Follow the instructions on the screen.**

Wireless Settings (Network Selector)

Network settings are necessary for the projector and the computer to communicate via a wireless LAN. If a wireless network connection has already been configured, you can easily and quickly change the settings of a wireless LAN PC card installed in the computer using "Network Selector". This function enables you to use the projector in a wireless environment easily even if you have no experience with network settings.
"Network Selector" is not necessary if the wireless network has not yet been configured.

NOTE >

• If a wireless network has already been configured, you may use this software after consultation with your Network Administrator.
• The only wireless cards that can be set with this software are the one included with the projector, or the "Sharp AN-WC11B Wireless LAN PC Card" (sold separately). Other cards cannot be set using this software.
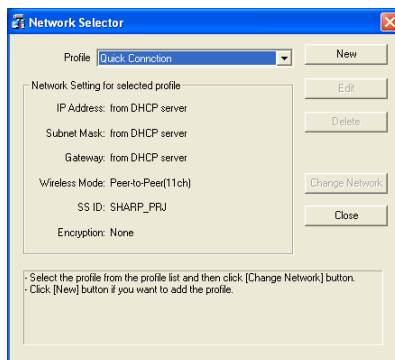
1. Starting and Exiting

The following explains how to start and exit the "Network Selector" program.

Starting

1 **Click the "Start" menu, "Programs", "Sharp Wireless Reality", and then click "Network Selector".**
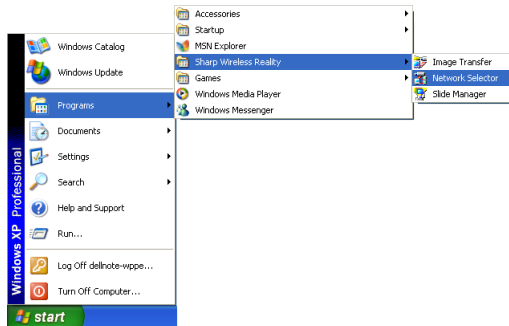
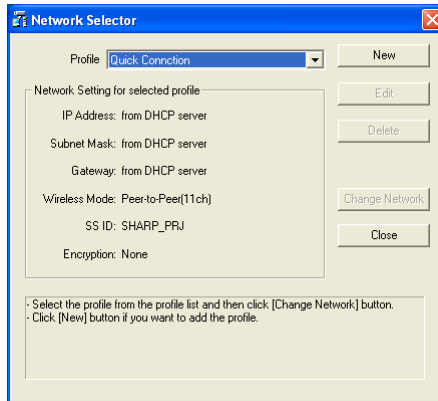The startup screen that shows the current network settings is displayed.

Exiting

1 **Click "Close" on the startup screen.**
This exits the program.

2. Screen Description

■ **Startup screen**

"Profile"   the name of the stored settings.
"Setting Information"   displays the contents stored in the selected profile.
"New"   for registering a new profile.
"Edit"   for editing a registered profile.
"Delete"   for deleting a registered profile.
"Change Network"   for changing the network settings to the selected profile setting.
"Close"   for exiting the program.
"Comment"   displays comments about the operation.

■ **"Change Profile" dialog box**
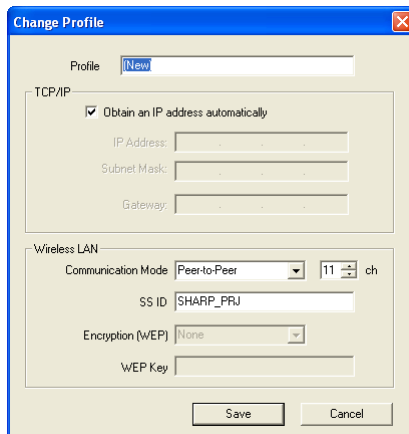
"Profile"   the name of the registered setting.
"TCP/IP"   settings related to TCP/IP
"Wireless LAN"   settings related to the Wireless LAN.
"Save"   saves the settings and closes the dialog box.
"Cancel"   closes the dialog box without saving the settings.
*The "Encryption (WEP)" function cannot be used.

3. Connecting Easily via a Wireless LAN (Quick Connection)

The following explains how to connect to the projector via a wireless LAN.

⚠ CAUTION

- When using "Quick Connection" (DHCP) in a location already configured with a wireless network, the pre-existing network may be affected. In this case, make sure to consult with the Network Administrator.
- When the profile has been set to "Quick Connection (from DHCP server)", network settings such as the IP address will be received from the projector. First start the projector, and then the computer after "Standby" appears.

1 Turn the projector on, and reset the network settings on the projector.
① On the projector, select "Reset" in the "Network" menu, and then press the ENTER button.
② On the confirmation message, select "Yes", and then press the ENTER button.
③ Install the AN-WC11B Wireless LAN Card to the PC card slot (INPUT 4) on the projector.
④ Wait until "Standby" is displayed.

For installing the wireless LAN card or menu operation, see the projector operation manual.

2 Start the "Network Selector".
For details, see "1. Starting and Exiting" on page 17.

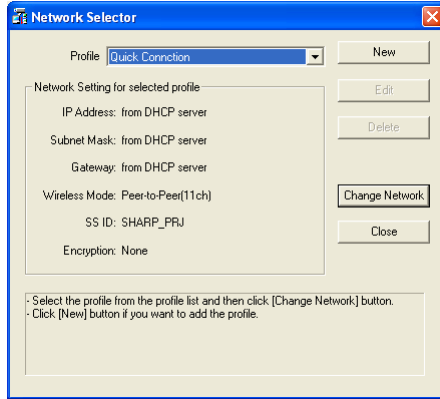**3 Click the ▼ next to the "Profile" field and select "Quick Connection" from the list.**
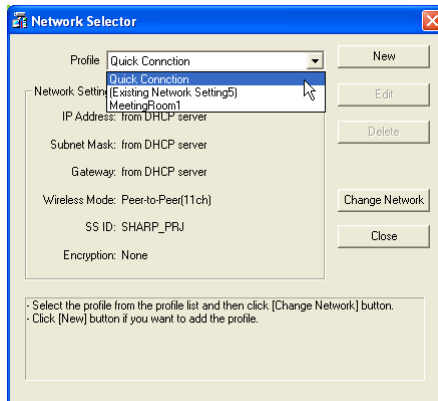
NOTE ▶

The contents of the profile list may vary depending on your computer's operating environment.

4 Click "Change Network".
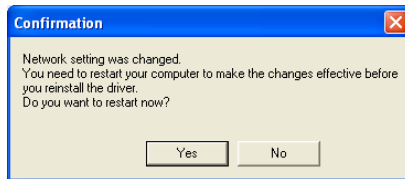
The "Confirmation" dialog box is displayed.

```
Network Selector                                    ✕
  Profile [Quick Connction        ▼]      [  New  ]
  ┌─ Network Setting for selected profile ─┐  [  Edit  ]
  │  IP Address:  from DHCP server          │
  │                                          │  [ Delete ]
  │ Subnet Mask:  from DHCP server          │
  │                                          │
  │   Gateway:  from DHCP server            │
  │                                          │  [Change Network]
  │ Wireless Mode: Peer-to-Peer(11ch)       │
  │                                          │  [  Close  ]
  │     SS ID:  SHARP_PRJ                    │
  │                                          │
  │   Encryption:  None                      │
  └──────────────────────────────────────┘
  ┌──────────────────────────────────────┐
  │ - Select the profile from the profile list and then click [Change Network] button. │
  │ - Click [New] button if you want to add the profile.                                │
  └──────────────────────────────────────┘
```

NOTE

If "Change Network" appears gray, "Quick Connection" has already been set. Click "Close", and exit "Network Selector".

5 Click "Yes".

The computer restarts.

```
Confirmation                                       ✕
  Network setting was changed.
  You need to restart your computer to make the changes effective before
  you reinstall the driver.
  Do you want to restart now?

              [    Yes    ]     [    No    ]
```

The computer settings will be changed after restarting the computer, and you can connect to the projector via a wireless LAN.

NOTE

The network settings for "Quick Connection" are as follows:

■ On the projector:

IP Address	192.168.150.150
Subnet Mask	255.255.255.0
Gateway	192.168.150.1
Channel	11ch
SS ID	SHARP_PRJ
DHCP Server function	On
Assign start address	192.168.150.151
Number of maximum addresses that can be assigned	10 addresses

■ On the computer:

IP Address	From DHCP Server
Subnet Mask	From DHCP Server
Gateway	From DHCP Server
Channel	11ch
SS ID	SHARP_PRJ
Transmission mode	802.11 AdHoc mode
Encryption	None

4. Registering New Network Settings

- The following explains how to manually set and register the wireless LAN network setting.
- Use the network settings of the "Quick Connection" when problems occur in the pre-existing network settings.
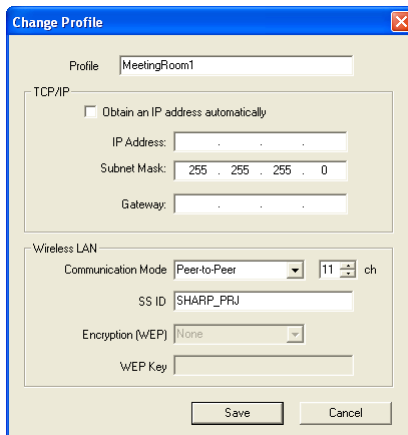
1 Click "New".
The "Change Profile" dialog box is displayed.
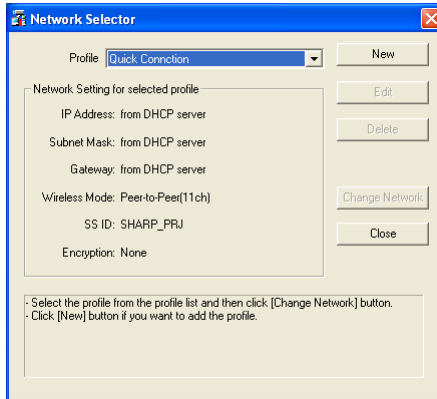
2 Enter a name in "Profile".
It is recommended that you set a name that can be used to recognize the content of the settings.

3 **Set each item under "TCP/IP" and "Wireless LAN".**

■ **"TCP/IP"**

"Obtain an IP address automatically"
Make sure to enable when using the DHCP server function in the projector.
When this function has been selected, the following TCP/IP setting items will
appear gray and no entry is necessary.

"IP Address"
Enter the computer's IP Address.

"Subnet Mask"
Enter the subnet mask.

"Gateway"
Enter the gateway address.

■ **"Wireless LAN"**

"Communication Mode", "Ch"
Select the wireless LAN transmission mode and the wireless LAN channel to be
used. When using the projector, make sure to change "Communication Mode"
to "Peer-to-Peer", and the settings on the computer and projector are the same.

"SS ID"
Enter the SS ID (Group name).
When the SS ID has been set, make sure to use the same settings on the
projector.

"Encryption (WEP)"
Select this function to whether or not to encrypt.
(This function is not supported.)

"Wep key"
Enter the encryption key when encrypting.
(This function is not supported.)

4 **Click "Save" to register the settings.**
The settings will be registered and the dialog box will close.
Click "Cancel" to close the dialog box without registering the settings.

5. Network Settings

The following explains how to select profiles and change the network settings.

1 **Click the ▼ next to the "Profile" field and select the profile you want to set from the list.**

Figure showing Network Selector dialog
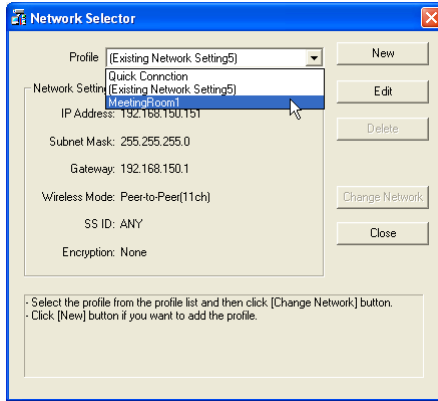
2 **Click "Change Network".**
The "Confirmation" dialog box is displayed.

3 **Click "Yes".**
The computer is restarted.
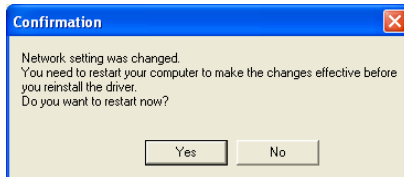
The computer settings will be changed after restarting the computer, and you can connect to the projector via a wireless LAN.

6. Editing Profiles

The following explains how to edit the content of registered profiles.

1 **In "Profile", select the profile you want to edit.**
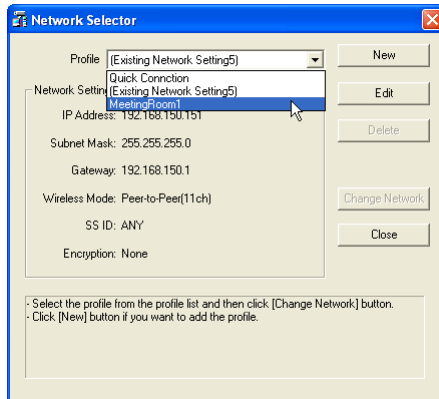
2 **Click "Edit".**
The "Change Profile" dialog box is displayed.

3 **Make the necessary changes by following procedure 2 through 4 under "4. Registering New Network Settings" on page 21.**
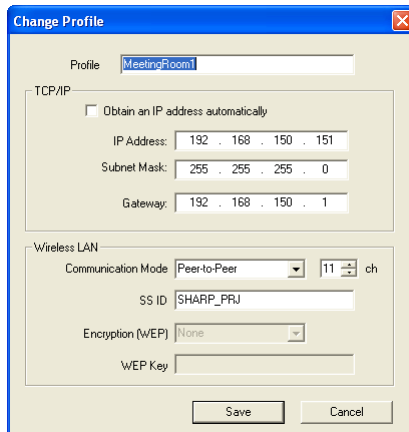
7. Deleting Profiles

The following explains how to delete stored profiles.

1 **In "Profile", select the profile you want to delete.**
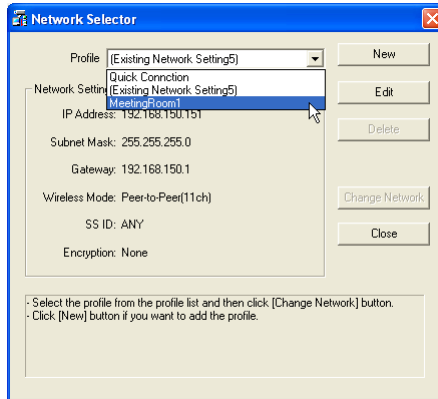
2 **Click "Delete".**
The "Confirmation" dialog box is displayed.
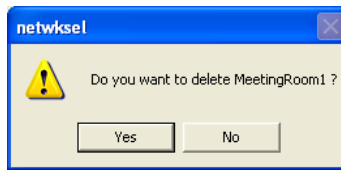
3 **Click "Yes".**
The profile is deleted.

NOTE

You cannot delete the profile you are currently using.

Transferring Images to the Projector (Image Transfer)

The following explains how to transfer images from a computer to the projector and projecting them via the projector.
The same image can be displayed simultaneously on up to 4 projectors.

1. Starting and Exiting

The following explains how to start and exit the "Image Transfer" program.

NOTE

Make sure to turn on the projector first when sending images to the projector using a wireless LAN PC card. When "Standby" is displayed on the screen, turn on the computer.

Starting

1 **Turn on the projector and make sure that it is ready for transmission.**

- Make sure to install the wireless LAN PC cards supplied with the projector or the wireless LAN PC card "AN-WC11B" (sold separately) into the PC card slot (INPUT 4) on the projector and into the PC card slot in the computer.
- For installation procedures, see the projector operation manual as well as the computer operation manual.

2 Turn on the computer.

NOTE ▶

If the "Image Transfer" has been registered to the startup folder during installation, proceed to step 4.

3 Click the "Start" menu, "Programs", "Sharp Wireless Reality", and then click "Image Transfer".
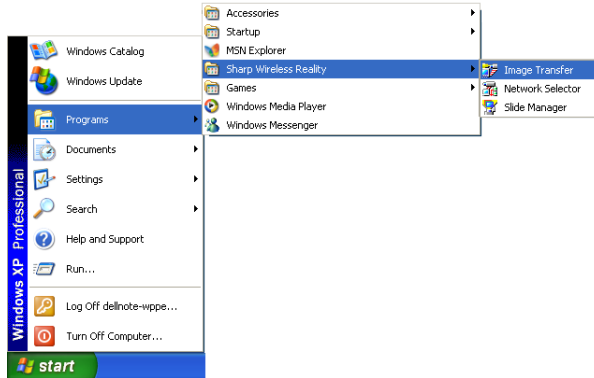
The projector icon will then be added to the taskbar.

## 4 Right click the projector icon on the status bar, and then click "Settings" on the pop up menu.
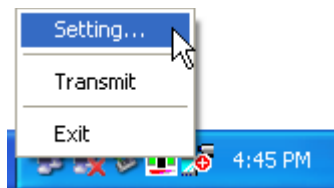
5 Click the transmission projector in the "Setting" dialog box.

NOTE ▶

- If the projector name is not displayed on the "Projector" tab in the "Setting" dialog box, click "Scan Projector".
- Make sure that the "Projector Name", "IP Address" and "MAC Address" on the screen are same as those on the projector setting screen. If not, the data will be transmitted to other projectors besides the projector you want to transmit to.

■ "Setting" dialog box
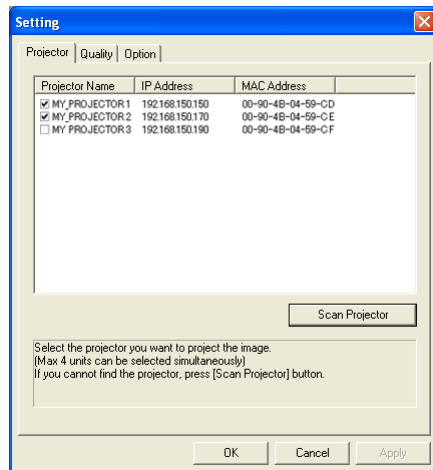
"Projector" tab	For selecting the destination projector
"Quality" tab	For selecting the quality of the image being transferred
"Option" tab	For setting options when transferring the image

Exiting

1 **Place the mouse pointer on the projector icon in the taskbar, and right click the mouse.**
A menu is displayed.

2 **Click "Exit".**
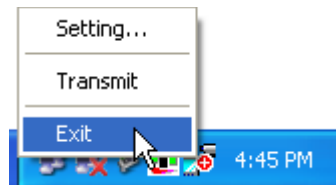
This exits the program. The projector icon in the taskbar disappears.

2. Screen Description

■ The taskbar and the right-click menu

When "Image Transfer" is started, it will reside in the system and one of the following icons will be displayed in the taskbar:

 During image transfer.

 During standby.

 When the projector cannot be recognized on the wireless LAN network.

Place the mouse pointer on the icons in the taskbar and right-click to display the menu.

"Setting"	Select when setting the software.
"Transmit"	Select when you want to project the current screen from the projector and when you want to stop projecting.
"Exit"	Select when exiting the program.

3. Displaying in Real Time

The following explains how to display a computer screen in real time via the projector. This mode continues to transfer the computer screen to the projector until you stop transferring. This function is useful when you want to display continuous images (such as a presentation) to an audience.

NOTE

• When transfering images to the projector, the keys on the projector may respond slowly.
• If you switch inputs on the projector while images are being transferred, transmission will be canceled.

Threre are three ways to display images in real time.

■ Start transmission by the right click menu

1 **Right click the mouse while placing it on the projector icon in the taskbar, and click "Transmit" in the menu.**
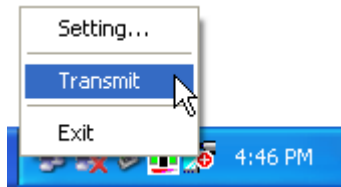
NOTE

If you want to cancel sending, click "Transmit" again.

■ Start transmission via the projector icon

1 **Double click the projector icon in the taskbar.**

NOTE

• If you want to cancel sending, double click again the projector icon in the taskbar.

■ Start transmission using the "Transmit/Stop" key

1 **Press the "Transmit/Stop" key (the "Pause" key on the computer keyboard).**

NOTE

• If you want to cancel transmission, press again the "Transmit/Stop" key.
• If software applications where the entire screen is displayed such as PowerPoint, the status bar will not be displayed. Therefore, use the the "Transmit/Stop" key.
• The "Transmit/Stop" key can be set to any key. For details, see "6. Changing Settings" on page 35.
• If the MS-DOS Prompt windows open in Windows 98, 98SE, or Me, this function is disabled.

4. Displaying Still Image

The following explains how to display the computer screen on the projector as a still image. Different from the real time display, this mode transfers the computer screen image one time. This function is useful when giving explanations about each screen during a presentation.

1 **Display the screen you want to send on the computer.**
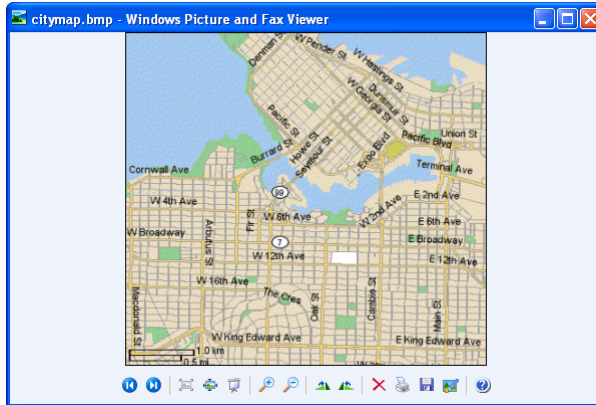
2 **Press the "Single Transfer" key (the "Print Screen" key on the computer keyboard right after installation).**
The screen currently displayed in the computer is sent to the projector.

NOTE ▶

The "Single Transfer" key can be set to any key. For details, see "6. Changing Settings" on page 35.

5. Displaying Image Files

The following explains how to display image files stored in a computer and projecting them via the projector.
The image files that can be sent are as follows:
- Non-compressed Bitmap files (.BMP)
- JPEG files (.JPG or .JPEG)
- VQ files (.VQ)
- Non-compressed TIFF (.TIF)

NOTE ▶

More than two image files cannot be sent at a time.

There are three ways to send image files.

■ Start transmission by drag-and-drop into the "Setting" dialog box

1 **Right click the projector icon in the taskbar, and then click "Setting" in the menu.**
The "Setting" dialog box is displayed.
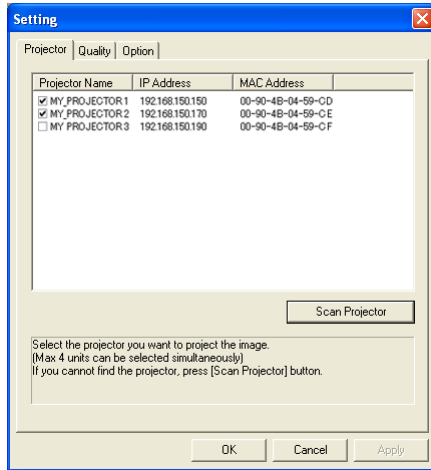
2 **Drag and drop the image file you want to send onto the "Projector" tab window.**
The image file is sent at the same time it is dropped.
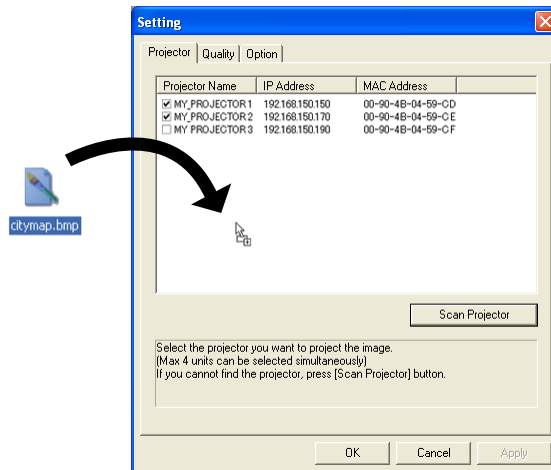
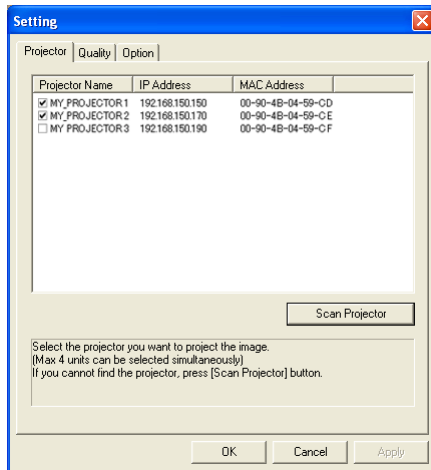## ■ Start transmission by dragging to a shortcut

Create a shortcut for "Image Transfer" on the desktop, and then drag the file into the shortcut. The following explains how to create a shortcut.
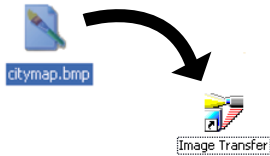
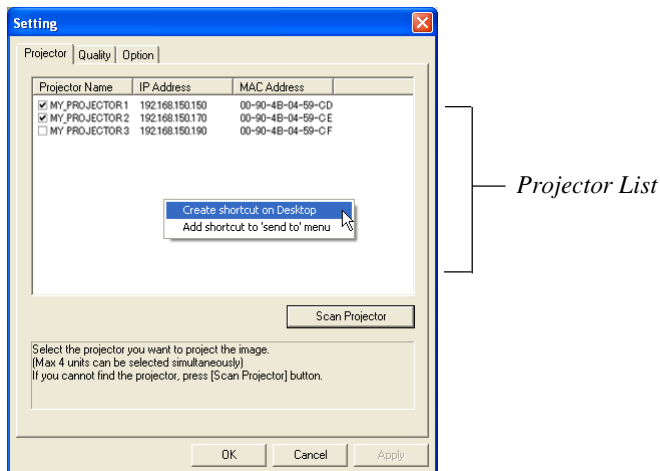Use the following procedure to create a shortcut.

1 **Right click the projector icon in the taskbar, and then click "Setting" in the menu.**

The "Setting" dialog box is displayed.

2 **Right click on the projector list under in the "Projector" tab, and then click "Create shortcut on Desktop" in the menu.**
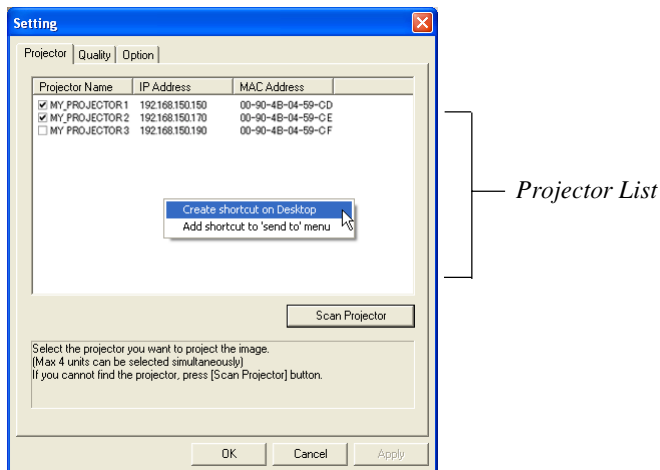
Projector List

The "Image Transfer" shortcut appears on the desktop.

■ Start transmission from the "Send To" menu

In the "Send To" menu that appears after right clicking the image file you want to send, add "My Projector" to the menu, and then send using the "Send To" menu.

■ The following explains how to add "My Projector" to the "Send To" menu

1 **Right click the projector icon in the taskbar, and then click "Setting" in the menu.**

The "Setting" dialog box is displayed.
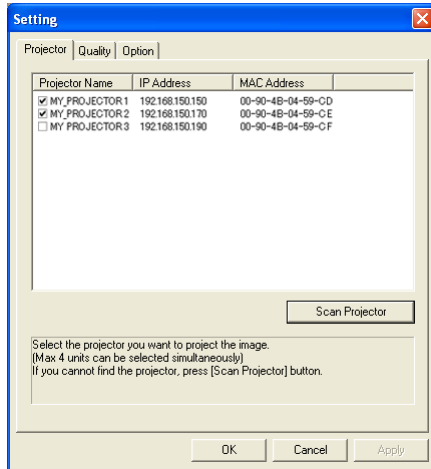
2 **Right click on the projector list in the "Projector" tab, and click "Add shortcut to 'send to' menu" in the menu.**

"My Projector" is added to the "Send To" menu.

Projector List

■ **The following explains how to send using the "Send To" menu**

1 **Right click the image you want to send and when the menu appears, click "Send To", and then "My Projector".**
The image is sent to the projector.
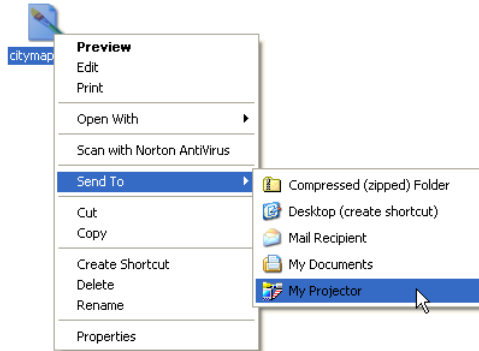
6. Changing Settings

The following explains how to change the "Image Transfer" settings.

1 **Right click the projector icon in the taskbar, and then click "Setting" in the menu.**
The "Setting" dialog box is displayed.
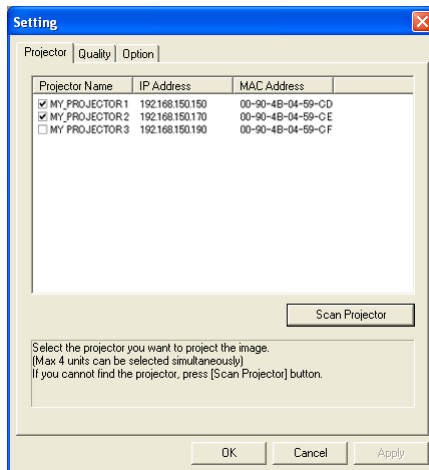
2 **Make the necessary settings in each tab.**

■ "Projector" tab

- Select the destination projector. Up to a maximum of 4 units can be selected simultaneously.
- The projectors recognized by the computer via a wireless LAN are displayed in a list. Images cannot be sent to projectors not displayed here.
- Check the check box next to the projector you want to transmit to.
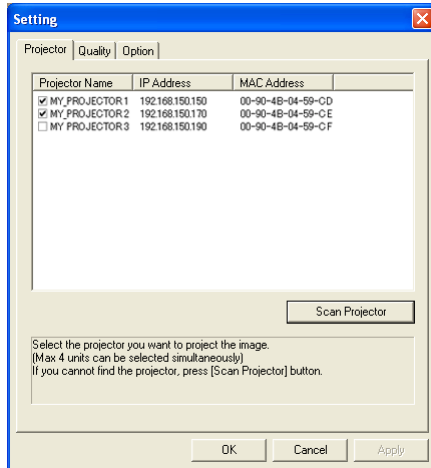
"Projector Name"	The name set on the projector.
"IP Address"	The IP address of the projector.
"MAC Address"	The MAC address of the projector.
"Scan Projector"	Searches for projectors connected via a wireless LAN and updates the list.

NOTE ▶

Make sure that the "Projector Name", "IP Address" and "MAC Address" on the screen are same as those on the projector setting screen. If not, the data will be transmitted to other projectors besides the projector you want to transmit to.

■ "Quality" tab
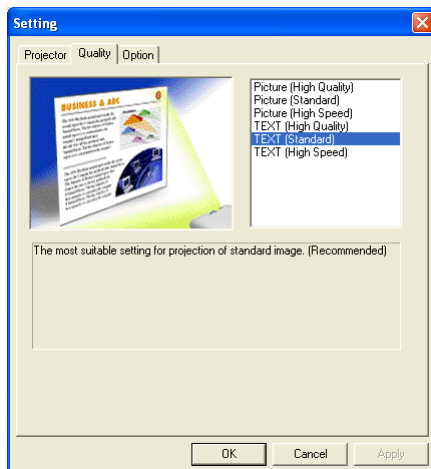
You can select one from the following 6 types of image quality to be sent.

"Picture (High Quality)"   When projecting high quality images such as images with various pictures or computer graphics.

"Picture (Standard)"   When projecting images with various pictures or computer graphics.

"Picture (High Speed)"   When projecting animated images such as computer animations or movies.

"Text (High Quality)"   When projecting high quality images that have both text and images.

"Text (Standard)"   When projecting images that have both text and images.

"Text (High Speed)"   When projecting animated images such as scrolling images that have both text and images.

■ "Option" tab

These are detailed settings when sending images.
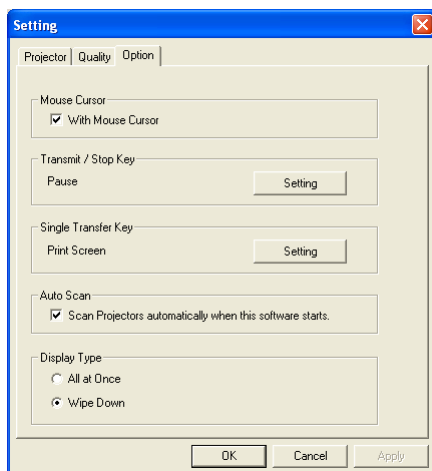
"Mouse Cursor"
You can select whether or not to display the mouse pointer when projecting the computer screen from the projector. Clear the check box if you do not want to display the mouse pointer.

NOTE ►

Depending on your computer enviroment, the mouse pointer may blink or may not operate smoothly after transferring images to the projector. In this case, adjust the monitor settings of your computer to 16 bit color or 24 bit color, and set the mouse pointer to Windows default.

"Transmit/Stop Key"
Specifies the key for starting or stopping the image transfer to the projector. The "Pause" key is set right after installation. For changing the key settings, see "Changing the key settings" on page 38.

"Single Transfer Key"
Specifies the key for sending images to the projector. The "Print Screen" key is set right after installation. For changing the key settings, see "Changing the key settings".

"Auto Scan"
Select this function to automatically search for a projector in a wireless LAN network when starting "Image Transfer". When "Auto Scan" has been enabled, it may take some time to start the software. Make sure to transfer the image after checking the destination projector.

NOTE ➤

• When a projector name is not displayed on the "Projector" tab, click "Scan Projector".
• Make sure that the "Projector Name", "IP Address" and "MAC Address" on the screen are same as those on the projector setting screen. If not, the data will be transmitted to other projectors besides the projector you want to transmit to.

"Display Type"
Select the display type for displaying in real time.

"All at Once" This mode is for displaying at once the screen after image data has been sent from the computer to the projector. Therefore, switching of the image may take time.
Select when displaying images that change occasionally, such as those in a slide show with explanations given for each image.

"Wipe Down" This mode is for arranging image data sent from the computer to the projector in order from top to bottom. Select when displaying images with parts that change frequently, such as a computer screen or an animated image.

■ Changing the key settings

The following explains how to change the "Transmit/Stop" key or the "Single Transfer" key settings.

1 Click "Setting" for the key you want to change on the "Option" tab.

2 Select the new key you want to set by pressing it on the computer keyboard.

3 Click "OK".
To cancel the settings, click "Cancel".

NOTE ➤

• As the Enter key on the keyboard can also be set, make sure to use the mouse on step 3 to select "OK" or "Cancel".
• Some key settings cannot be changed. If the key names on the screen is not changed when you press the keys you want to set in step 2, you cannot change those keys.

Creating a Slide Show (Slide Manager)

Using the "Slide Manager", you can create Auto Run script files (Slide show defined files) and store them on the memory card. You can then create files that can be reproduced automatically on the projector.

NOTE

- See as well "Using Autorun" under "Memory Card Settings" in the projector's operation manual.
- The file types that can be used to create script files are as follows:
  PPT files[1],   BMP files[2],   JPEG files[3],
  TIFF files[4],   VQ files

  [1] : Microsoft PowerPoint required (except PowerPoint viewer).
  [2] : Only non-compressed BMP supported.
  [3] : Does not support Progressive JPEG.
  [4] : Only non-compressed RGB supported.

1.Starting and Exiting

The following explains how to start and exit the "Slide Manager" program.

Starting

1 Click the "Start" menu, "Programs", "Sharp Wireless Reality", and then click "Slide Manager".
The window of the selected mode opens.
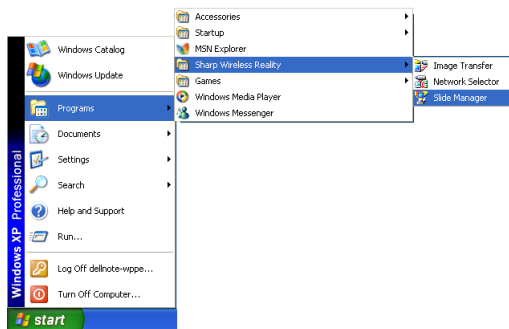
Exiting

1 In the "File" menu, select "Exit" or click the ☒ button on the upper right hand corner of the window.

2. Properties

Setting the properties allows you to store settings you frequently use.

1 **In the "File" menu, select "Properties".**
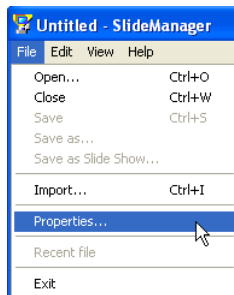
Slide show properties
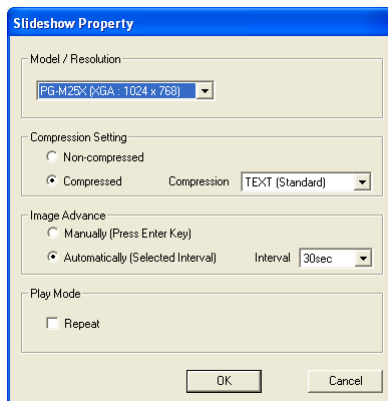
"Model/Resolution"
Select the projector model you are using.

NOTE ▸

It is not necessary to change the settings in the PG-M25X.

"Compression Setting"
Select "Non-compressed" or "Compressed".
If you select "Compressed", set "Compression".

NOTE ▸

- If you select "Non-compressed", the slide will be saved as a BMP file.
- If you select "Compressed", the slide will be saved as a VQ file.
- If you select "Non-compressed", it will take time for the image to be displayed.
- Depending on the compression rate, you can select "High Quality", "Standard" or "High Speed" as the "Compression". Be sure to usually select "Standard". "Text" is suitable for storing images with many letters, and "Picture" is suitable for storing images that include pictures.
- The items are selected from the pull-down menu.

"Image Advance"
Select "Manually (Press Enter Key)" or "Automatically (Selected Interval)".
If you select "Automatically (Selected Interval)", select the time in "Interval".

NOTE ▶

- The "Interval" can be selected from "15 sec", "30 sec", "45 sec", "1 minute", "1.5 minutes", "2 minutes", or "5 minutes" on the pull-down menu.
- Images of large sizes such as BMP files (.bmp) will take more than 15 seconds to be displayed.

"Play Mode"
If you want to display again from the first page after the last page of the slide show has been displayed, select the check box next to "Repeat".

2 **Click "OK".**

Using a Memory Card

3. Creating Slide Show Files

The following explains how to create slide show files.

1 **Start "Slide Manager".**
For details, see "1. Starting and Exiting" on page 39.

Thumbnail display area
The images converted into slides are compressed and displayed here.

Preview area
The images selected on the thumbnail display area are enlarged.

Property area
The properties of images converted into slides are displayed.
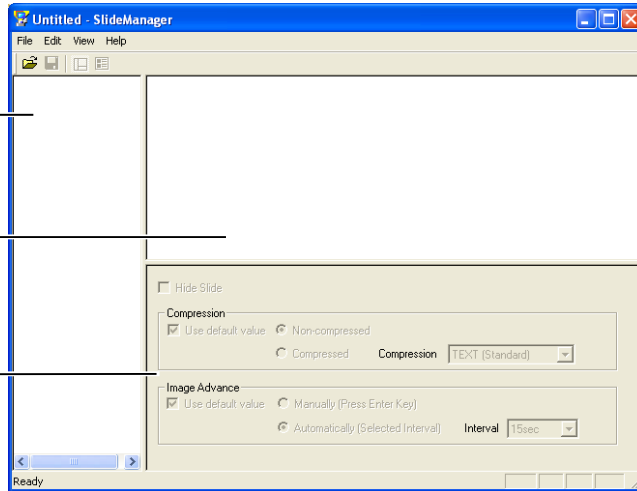
2 **Convert the files to slides.**
You can convert the files to slides by one of the following procedures:
　① When creating new script files
　　　Select "Open" in the "File" menu to open the file.
　② When adding files to the other slides
　　　Importing the file by selecting "Import" in the "File" menu.

The images converted into slides are displayed in the thumbnail area.

 NOTE

• When creating or adding script files, select "Files of type" in the "Open" dialog box, and then select the file type you want to convert to.
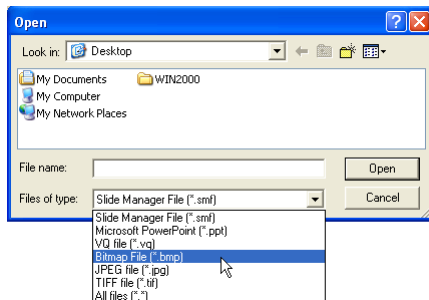
• See page 39 for the file types that can be converted.
• You can also convert by dropping the file onto the thumbnail display area.
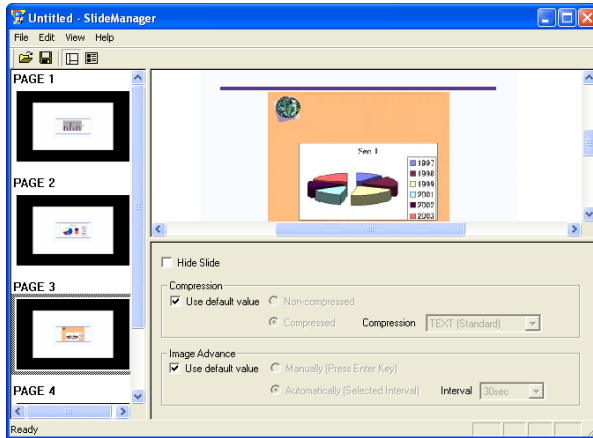
NOTE ▶

- If color PowerPoint data is converted to monochrome slide files, see "Color PowerPoint data is converted to monochrome data" on page 57.
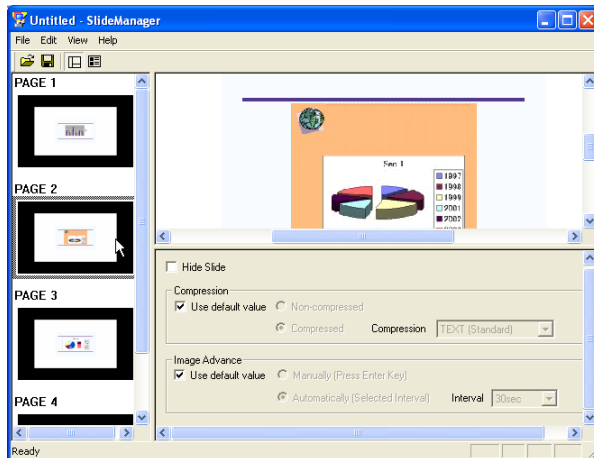
Replacing the order of the slides

Example: Replacing Page 3 and Page 2.

1 **Place the mouse pointer on the slide you want to replace and click the mouse.**
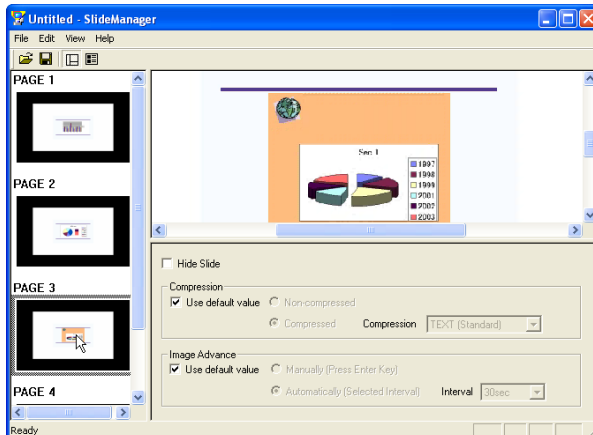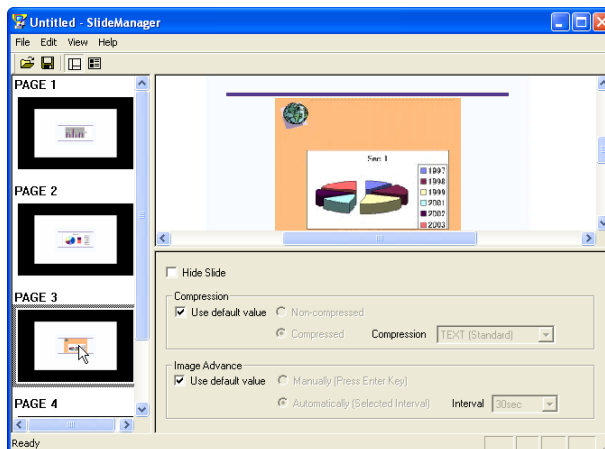
2 **Drag the slide to any desirable location.**

Deleting Slides

1 **Click the slide you want to delete.**

2 **Press the Delete key or select "Delete slide" in the "Edit" menu.**

Setting "Compression" and "Image Advance" individually for each slide

1 **Clear the check box next to "Use default value".**

2 **Select the check box next to "Compression" and "Image Advance".**
For information on settings, see "2. Properties" on page 40.

NOTE

Depending on the compression method set in the property area, you can check the compressed slide in the preview area.

Hiding stored slides
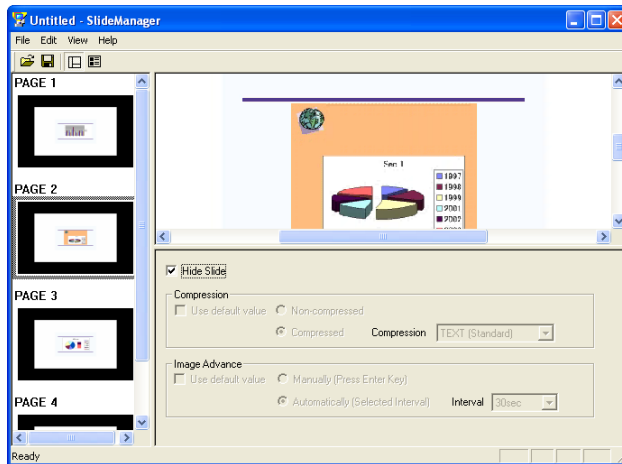
1 Select the check box next to "Hide Slide".
To display, clear the check box next to "Hide Slide".

Displaying the properties of each slide in a list

1 Click the "Slide Property" icon below the menu bar, or select "Slide Property" in the "View" menu.
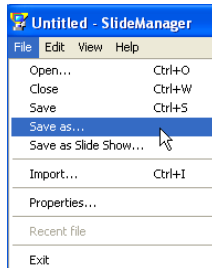The slide properties are displayed.
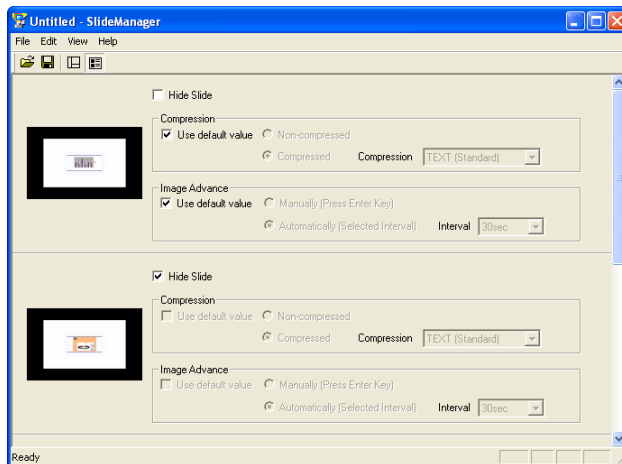
The properties of each slide ("Compression", "Image Advance") can be individually set.
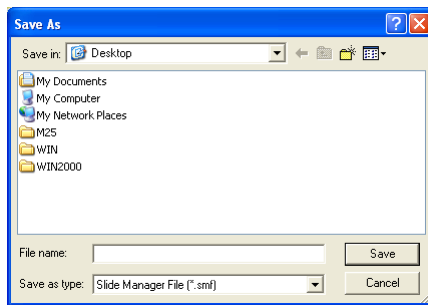
4. Saving a File while Creating it

Slide show files can be stored in a computer while being created.
This is useful when assembling a slide show in multiple sessions.

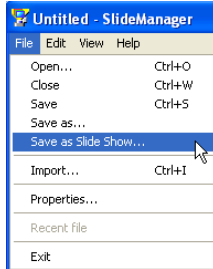*1* **In the "File" menu, select "Save as".**

2 **Enter a file name and click "Save".**

5. Saving Slide Show Files in a Memory Card

Completed slide show files can be stored on a memory card.
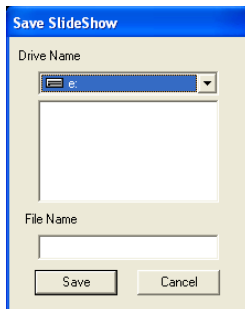When storing slide show files on a memory card, the Autorun function settings are also stored.
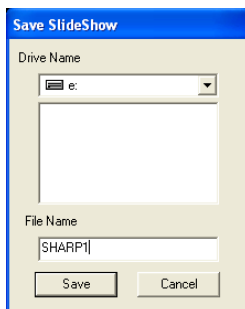
1 **Select "Save as Slide Show" in the "File" menu.**

2 **Select the memory card drive in "Drive Name".**

NOTE ▶

Be sure to select appropriate drive letter for the memory card.

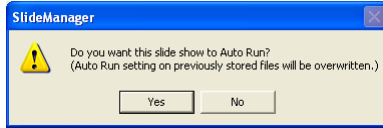**3** **Enter the name of the slide show file you created in "File Name".**

NOTE ▶

The following characters can be used for file names.
- Alphanumeric (only capital letters), numeric, symbol (hyphen, lower case bar, parentheses)

_4_ Click "Save".

The Auto Run setting dialog is displayed.

_5_ Click "Yes" if you want to make the Auto Run setting, or "No" if it is not necessary.

NOTE ▶

Only one file can have Auto Run setting per memory card.

Converting Files into Image Files (Virtual Printer)

You can convert printable files from most software applications into image files (BMP). The converted image files can then be imported as "Slide Manager" slides.

NOTE

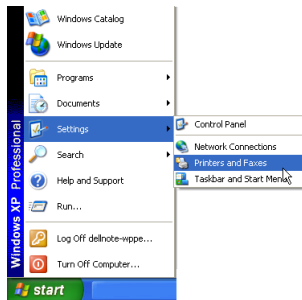This function does not work with PowerPoint viewer.

1. Properties

The following explains how to change the resolution or the size of images when converting them to image files.
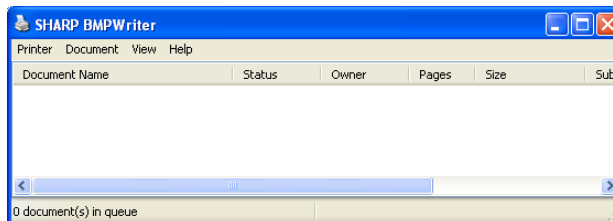
NOTE

Normally, it is not necessary to change the settings providing there are no problems.

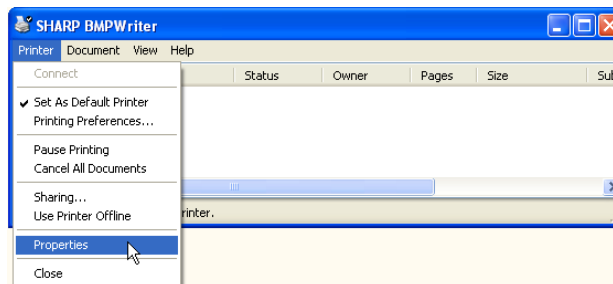**1** **Click the "Start" menu, "Settings", and then click "Printers and Faxes".**

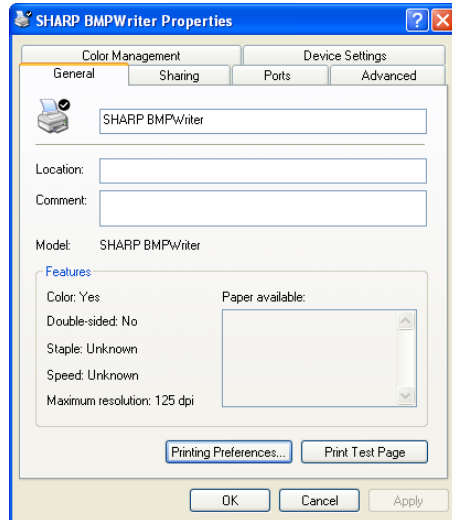**2** **Double click the "SHARP BMPWriter" icon.**
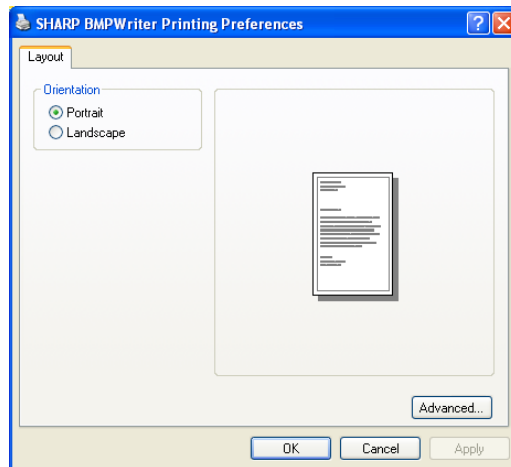The window of the selected printer is displayed.

3 **Select "Properties" in "Printer".**

4 **Click the "Printing Preferences" on the "General" tab.**
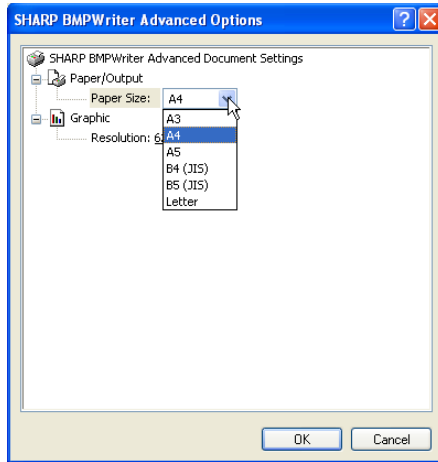The "Layout" sheet is displayed.

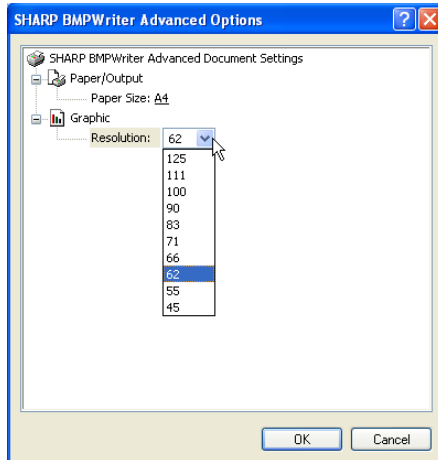**5** **Select the paper orientation in the "Orientation" box.**

6 **Click "Advanced".**
The "Advanced Options" sheet is displayed.

7 Select the desired paper size from the "Paper Size" pull down list.

8 Select the desired resolution from the "Resolution" pull down list.

NOTE ►

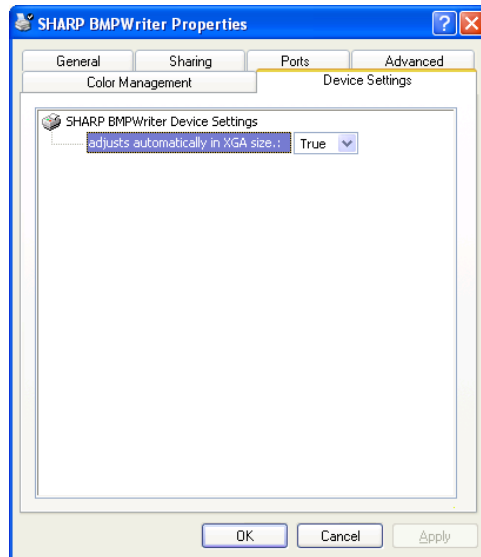- If you want to make converted image files smaller, lower the resolution.
- If you want to neatly display converted image files, increase the resolution.

9 Click "OK".
This returns to the "Layout" sheet.

10 Click "OK".

11 **To make the output Bitmap (BMP) image size lower than XGA, select "True" on the "Device Settings" tab.**
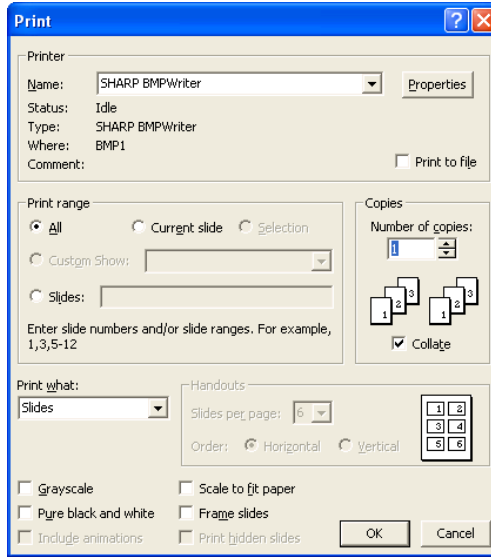

12 **Click "OK".**
The "SHARP BMPWriter Properties" window closes.

2. Converting Application Files into Image Files

The following example shows how to convert a printable file created using an application into an image (BMP) file, using PowerPoint as example.

1 **Open the file you want to convert into a image file in the application you create it in.**

2 **Click "Print" in the "File" menu.**
The "Print" dialog box is displayed.

3 **Select "SHARP BMPWriter" in the "Name" box.**

4 **Click "OK".**
The "Save As" dialog box is displayed.
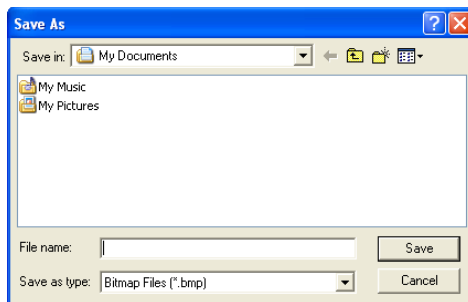
5 **Enter a file name, and then click "Save".**
The image file (BMP) is saved on the computer.

NOTE ▶

• If color PowerPoint data is converted to monochrome slide files, see "Color PowerPoint data is converted to monochrome data" on page 57.

Troubleshooting

When images cannot be transferred or a transmission error occurs

- Make sure that other wireless LAN devices are not in use.
- Is the transmission distance too far? Bring the wireless LAN PC cards closer.
- Remove any obstacles from between the wireless LAN PC cards.
- Are the network settings correctly set? Make sure to consult with your Network Administrator regarding the network settings.

The image transfer speed is too slow

- Close all other running applications.
- Set the resolution on your computer to lower than XGA.

The image quality is poor

- Check the image quality settings.
  Image Transfer (page 35)
  Slide Manager (page 40)

Destination projector cannot be found (Image Transfer)

First, turn on the projector. When "Standby" is displayed on the projector screen, turn on the computer.

When the wireless LAN card does not work

- **Is the LINK indicator on the Wireless LAN PC Card on?**
  - On: operating properly.
  - Blinking: wireless LAN PC driver not operating properly. Reinstall the driver.
  - Off: wireless LAN PC card is not operating. Check if the card is correctly inserted.

- **Has the wireless LAN card been correctly recognized ?**
  - See "If the unit does not function properly" on page 12.

- **Is the SS ID name, Channel, and wireless transmission settings the same in both the projector and computer?**
  - If not, transmission is not possible.
  - When transmitting to the projector, set the wireless transmission mode to "Peer-to-Peer".

- **Check the projector and computer network settings**
  - When "DHCP Server" setting is set to "OFF".
    Recheck the IP address, subnet mask and gateway values of both the projector and computer.

  - When "DHCP Server" setting is set to "ON".
    Check projector's IP address, subnet mask and the DHCP assigned start address.

    IP Address : 192.168.150.120
    Subnet mask: 255.255.255.0

    Assigned start address 192.168.<u>150</u>.100   Correct
    Assigned start address 192.168.<u>050</u>.100   Wrong

    IP address assignation will not be possible if the IP address or DHCP assigned start address does not match with the subnet mask.

- **Check the set values when automatically receiving an IP address from the DHCP server.**

  1 **Open Command Prompt (MS-DOS Prompt).**

    Windows 98/98SE: Start →Programs →MS-DOS Prompt
    Windows Me: Start→Programs → Accessories→MS-DOS Prompt
    Windows 2000: Start→Programs →Accessories→Command Prompt
    Windows XP: Start→All Programs →Accessories→Command Prompt

  2 **After the Command Prompt window has opened, enter the "ipconfig/all" command.**

    C:\> ipconfig /all [ENTER]

NOTE

"ipconfig" example

C:\> ipconfig /?	Displays how to use ipconfig.exe
C:\> ipconfig	Displays the set IP address.
C:\> ipconfig /all	Displays all information related to the set TCP/IP

Troubleshooting

- **If the value of the received IP address is 169.254.XXX.XXX**

    The reception of the IP address from the DHCP server has failed.
    When the DHCP server function fails to receive an address, the address 169.254.XXX.XXX is automatically allocated.
    (The XXX.XXX part of the IP address is randomly selected).

    ① The projector (on the DHCP server) is not active before Windows restarts.
    ② Check that the Wireless LAN settings and the driver are properly set.
    ③ Check that the projector's DHCP server function is properly set.

    If the above is in order, restart the computer.

- **Using the "PING" command, you can check if the "TCP/IP" is operating correctly. You can also check if the IP address is set.**

    1 Open Command Prompt (MS-DOS Prompt).

    Windows 98/98SE: Start →Programs → MS-DOS Prompt
    Windows Me: Start→Programs →Accessories→MS-DOS Prompt
    Windows 2000: Start→Programs →Accessories→Command Prompt
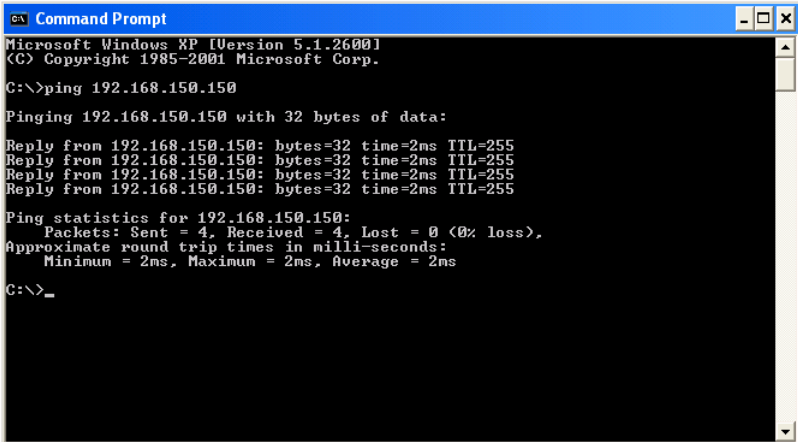   Windows XP: Start→All Programs →Accessories→Command Prompt

    2 After the Command Prompt window has opened, enter the "PING" command.

    Example: C:\> ping XXX.XXX.XXX.XXX

    XXX.XXX.XXX.XXX is the Host IP Address.

    3 The following will be displayed if a successful connection is made.

    Example: When the Host IP Address 192.168.150.150

    NOTE

    The screen image may appear slightly different depending on the operating system.

    4 If a connection cannot be made, "Request timed out" is displayed.
    Recheck the wireless LAN settings and the network settings.
    If all else fails, consult your Network Administrator.

    5 To return to the Windows desktop, type "exit", and then press the Enter key.

Color PowerPoint data is converted to monochrome data

Open the PowerPoint file you want to convert in PowerPoint, select "Options" from the "Tools" menu, and check the following in the "Print" tab.

1 **If "Use the most recently used print settings" is set, change to "Use the following default print settings".**

2 **Clear the check box next to "Grayscale" and "Pure black and white".**

3 **Click "OK", close the "Options" dialog box and save the file.**

After carrying out the above procedure, try again to convert the PowerPoint file.

Troubleshooting

For SHARP Assistance

If you encounter any problems during operation of this software, first refer to the "Trouble-shooting" section on page 54. If this operation manual does not answer your question, please contact the SHARP Service departments listed below.

U.S.A.	**Sharp Electronics Corporation** 1-888-GO-SHARP (1-888-467-4277) lcdsupport@sharpsec.com http://www.sharplcd.com	**Austria**	**Sharp Electronics Austria (Ges.m.b.H.)** 0043 1 727 19 123 pogats@sea.sharp-eu.com http://www.sharp.at
Canada	**Sharp Electronics of Canada Ltd.** (905) 568-7140 http://www.sharp.ca	**Australia**	**Sharp Corporation of Australia Pty. Ltd.** 1300-135-022 http://www.sharp.net.au
Mexico	**Sharp Electronics Corporation Mexico Branch** (525) 716-9000 http://www.sharp.com.mx	**New Zealand**	**Sharp Corporation of New Zealand** (09) 634-2059, (09) 636-6972 http://www.sharpnz.co.nz
Latin America	**Sharp Electronics Corp. Latin American Group** (305) 264-2277 www.servicio@sharpsec.com http://www.siempresharp.com	**Singapore**	**Sharp-Roxy Sales (S) Pte. Ltd.** 65-226-6556 ckng@srs.global.sharp.co.jp http://www.sharp.com.sg
Germany	**Sharp Electronics (Europe) GMBH** 01805-234675 http://www.sharp.de	**Hong Kong**	**Sharp-Roxy (HK) Ltd.** (852) 2410-2623 dcmktg@srh.global.sharp.co.jp http://www.sharp.com.hk
U.K.	**Sharp Electronics (U.K.) Ltd.** 0161-205-2333 custinfo@sharp-uk.co.uk http://www.sharp.co.uk	**Malaysia**	**Sharp-Roxy Sales & Service Co.** (60) 3-5125678
Italy	**Sharp Electronics (Italy) S.P.A.** (39) 02-89595-1 http://www.sharp.it	**U.A.E.**	**Sharp Middle East Fze** 971-4-81-5311 helpdesk@smef.global.sharp.co.jp
France	**Sharp Electronics France** 01 49 90 35 40 hotlineced@sef.sharp-eu.com http://www.sharp.fr	**Thailand**	**Sharp Thebnakorn Co. Ltd.** 02-236-0170 svc@stcl.global.sharp.co.jp http://www.sharp-th.com
Spain	**Sharp Electronica Espana, S.A.** 93 5819700 sharplcd@sees.sharp-eu.com http://www.sharp.es	**Korea**	**Sharp Electronics Incorporated of Korea** (82) 2-3660-2002 webmaster@sharp-korea.co.kr http://www.sharp-korea.co.kr
Switzerland	**Sharp Electronics (Schweiz) AG** 0041 1 846 63 11 cattaneo@sez.sharp-eu.com http://www.sharp.ch	**India**	**Sharp Business Systems (India) Limited** (91) 11- 6431313 service@sharp-oa.com
Sweden	**Sharp Electronics (Nordic) AB** (46) 8 6343600 vision.support@sen.sharp-eu.com http://www.sharp.se		

Glossary

Access point
Device used for relaying transmissions when using the Infrastructure mode.
Can be used for relaying transmissions between wireless LAN devices and wired LAN devices as well as relaying transmissions between wireless LAN devices.

AdHoc (peer to peer) mode
A type of wireless transmission.
Mode used for exchanging data between devices that have Wireless LAN PC Cards installed without going via an access point.

BMP
Short for Bitmap. One type of image file format used normally in a Windows environment. This software supports only non-compressed file types only.

Channel
Wireless LAN devices that comply with IEEE802.11b transmit using a specified wireless channel from wireless channels 1 to 14.
(This device has 11 channels (1 to 11) that can be used. The channels that can be used vary with the country or region.)
It may be possible to use the same channel on a different network, however, the transmission speed may be reduced.
It is recommended to use a different channel.

DHCP (Dynamic Host Configuration Protocol)
When setting up a network using TCP/IP, an IP address must be assigned to each device that will be connected to the network. This protocol will perform the above procedure automatically.

DHCP client function
This protocol allows for automatically receiving IP addresses from DHCP servers connected to the same network.
This function is found in most computers. If the computer is connected to the DHCP server on the network, it is also possible to automatically get an IP address for the computer.

DHCP server
This server allows automatically to assign IP addresses, subnet masks, and gateway addresses to devices connected on the network. In using this function, a computer connected to the DHCP server via a wireless connection can also automatically receive IP addresses.

Gateway
Device which relays transmissions between different networks.

IEEE802.11b
One of the international standards for wireless LANs. Allows for wireless transmissions using a wireless frequency of 2.4Ghz and a maximum speed of 11Mbps.

Infrastructure (access point) mode
A type of wireless transmission.
Mode used for exchanging data between devices connected to wired LANs and devices connected to wireless LANs.

IP Address
When configuring a network using TCP/IP protocol, every device must have a number assigned to it. This number is called an IP address.
An IP address is necessary to avoid duplicates or overlapping on the network.

JPEG
Short for Joint Photographic Experts Group. One type of widely used image file format.

LAN (Local Area Network)
A network built in a small self-contained network.

MAC Address (Media Access Control Address)
A fixed number assigned to individual network devices.
It is assigned by the manufacturer at the time of shipping and does not overlap with other devices.

Maximum Assign Number
The maximum number of IP addresses that the DHCP server can automatically assign.

Subnet Mask
A parameter used on a TCP/IP network, that is used when an IP address is separated into network address and host address.

Troubleshooting

SS ID (Service Set Identification)

An ID (extension) for grouping multiple wireless LAN devices. An SS ID equal to other devices must be set to communicate with them.

A maximum of 32 single-byte Alphanumeric characters can be used.

Letters are categorized as capital and lower case.

TCP/IP (Transmission Control Protocol / Internet Protocol)

Standard protocol for using the Internet or LANs.

TIFF

Short for Tagged Image File Format. One type of image file format used in digital cameras. This software supports only non-compressed RGB file types only.

VQ

Short for Vector Quantization. One type of image file format. When compared to JPEG image compression, this format allows for compression while maintaining high image quality. When "Compressed" has been selected in "Compresssion" in the "Slide Manager", the slide will be saved as a VQ file.

WEP (Wired Equivalent Privacy)

A method of encrypting data when sending over wireless transmissions.

A shared key of 64 bits or 128 bits can be used.

Index

Troubleshooting

SHARP

SHARP CORPORATION