

# ***Data Projector***

---

Operating Instructions for Air Shot

***VPL-CX85***  
***VPL-CX75***

---

# Table of Contents

Before Operation .....	3
Features .....	3
System Requirement .....	4
Preparation .....	4
Installation .....	4
Inserting Card .....	5
Wireless Connection .....	6
Connecting Examples .....	6
When Simple Mode is Used .....	8
When Simple Mode is not Used ..	10
Using the [Option] Dialog Box ..	12
Setting/Operating via Web .....	15
Accessing from the Computer ....	15
Confirming the State of Projector Settings (Information) .....	16
Setting the Connecting Mode (Simple Mode) .....	16
Operating the Projector on the Computer (Control) .....	17
Setting the Projector and Password (Setup) .....	17
Other .....	20
Troubleshooting .....	20
Messages on the Display .....	23
For Customers Who Use Windows XP Service Pack 2 (SP2) .....	25
Technical Terms .....	27

---

# Before Operation

## Features

This unit is equipped with the Air Shot (wireless connection) function. Any image of a computer can be projected by using the projector without connecting cables. Images from several computers can also be easily switched and projected.

---

## Easy setting and connection in Simple Mode

Simple Mode is an easy connection mode with no need for network and wireless settings. The wireless connection of the projector and computer can be done easily by using the Simple Mode function. Insert the supplied wireless LAN card into the projector and the supplied USB wireless LAN module into the computer, and an image from the computer can be easily projected.

---

## Installation by the USB storage media

For using Air Shot, install the application software, Projector Station for Air Shot, in the computer. The installation can be done easily in accordance with the instructions on the screen by using the supplied USB storage media or CD-ROM.

---

## Speedy and high quality transportation/display

The image data is efficiently compressed so that a high-quality image can be transported speedily. An animation function can be used at a presentation by the transportation. (It is not suitable for a movie such as a DVD.)

---

## Security system

Data can be encoded and transported (WEP). Data is also encoded in Simple Mode for the communication of the projector and the computer. You can feel confident about data communication.

---

## Control by using Web browser

You can control the projector and confirm its setting.

---

## Connection to a LAN

You can not only connect the projector and computer directly but also connect to a LAN by using the access point. Power on/off, input selecting, confirmation, etc. of the projector can be done from the computer connected to LAN. And viewing an image in the internet, you can transport it to the projector.

---

## Multiple connections

A maximum of five projectors can be connected to one computer without using a distributor and an image can be projected on the projectors at the same time.

---

## Presentation tool with laser pointer

PowerPoint images can be played back forward or backward or muted by using the supplied presentation tool.

The instructions in this manual are for models VPL-CX85 and VPL-CX75. The illustrations of the VPL-CX85 are used for the instructions but any differences in operation are clearly indicated in the text.

## System Requirement

Recommended system requirements for the installed Projector Station for Air Shot are as follows.

### Available computer

**CPU:** Intel Pentium III 600 MHz or higher

**Memory:** 64 MB or more, recommended 128 MB or more (Windows XP: 128 MB or more)

**Hard disc:** 10 MB or more

**Other hardware requirements:** CD-ROM drive or USB terminal (Type A, USB 2.0 or USB1.1 port)

### Available OS

Microsoft Windows 98SE,  
Microsoft Windows Me,  
Microsoft Windows 2000,  
Microsoft Windows XP Home Edition,  
Microsoft Windows XP Professional

### Available resolution

**Size:** VGA (640 × 480), SVGA (800 × 600), XGA (1024 × 768), SXGA (1280 × 1024)

**Color number:** 16 bit, 24 bit, 32 bit

**Usable browser:** Internet Explorer 5.0 or higher

### Usable wireless LAN device\*

**Standard:** IEEE802.11b

**Channel:** 1 to 11

**Access system:** Access point mode or Ad-hoc (peer-to-peer) mode

**WEP:** 128 (104)/64 (40) bit

\* Used when the supplied wireless LAN module is not used.

### Note

Air Shot will not work on some computers and wireless LAN devices even though they satisfy the above requirements.

## Preparation

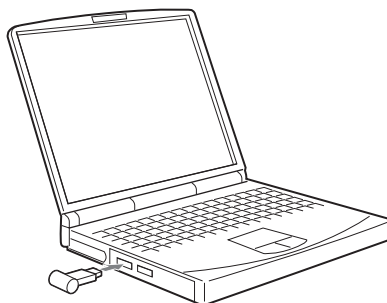
### Installation

For using Air Shot, install the application software, Projector Station for Air Shot, in the computer.

The following is the procedure when the supplied USB storage media is used.

- 1 Connect the supplied USB storage media to the USB terminal of the computer.

Computer



USB storage media (supplied)

- 2 Select the appropriate [Removable Disc] in [My computer], and double-click [As\_Inst.exe].  
The window for installing the Projector Station for Air Shot appears.



- 3 Click [Install].

- 4** Install the software according to the "wizard" within the installer.  
Continue to install the software even if a confirmation window of digital signature appears while installation.  
After the installation is completed, [Exit installation procedure.] appears.

*Projector Station for Air Shot can also be installed by using the supplied CD-ROM.*

#### Notes

- If you use Windows 2000 Professional or Windows XP Home Edition/Professional on your computer, log on using the administrator privileges.
- Before Windows 98SE is used, the driver of the USB storage media must be installed. For details, see the Operating Instructions of the USB storage media.
- When the USB wireless LAN module is used and Simple Mode is set to [Off], see the User Guide of the USB wireless LAN module saved in the supplied CD-ROM and install and set "USB Wireless LAN Module Utility". (When Windows XP is used, setting from the wireless network connection is also available.)
- If you delete a file in the USB storage media, copy the file in the "USBStorageMedia" folder saved in the supplied CD-ROM.

## Inserting Card

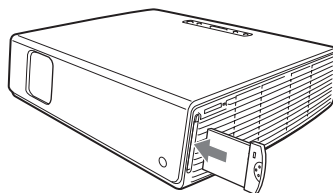
Insert the supplied wireless LAN card into the slot of the projector.

#### Note

Before inserting or removing the card, disconnect the power cord of the projector.

## Inserting the card

Insert the card facing the right side towards the front panel of the projector until it clicks.

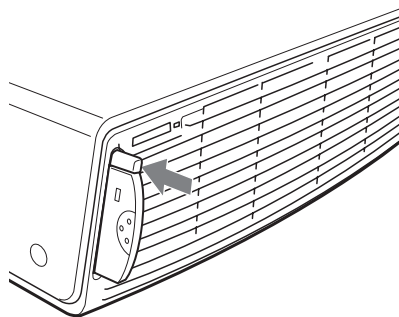


#### Notes

- Never use a wireless LAN card other than the supplied one.
- When the projector is carried, remove the card from the slot.

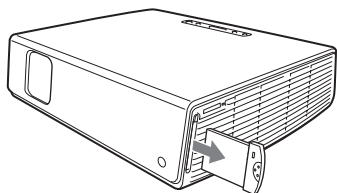
## Removing the card

- 1** Press the eject button at the upper side of the slot.  
The eject button pops out.



- 2** Press the eject button again.  
The card pops out.

### 3 Remove the card.



#### Note

After the card is removed, press the eject button. If the button remains popped out, it may cause breakage of the button.

## Wireless Connection

### Connecting Examples

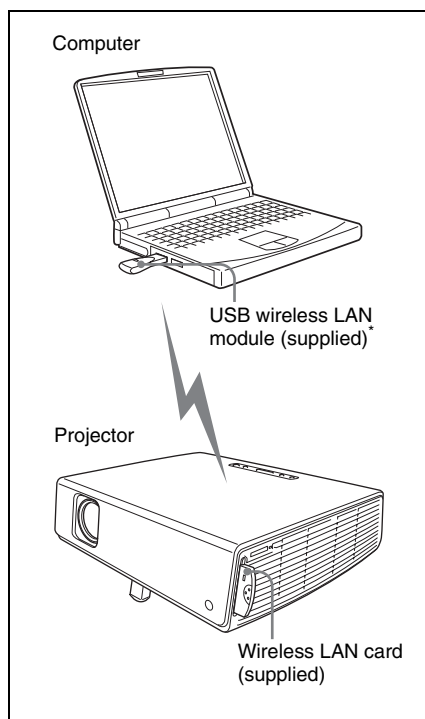
#### Connecting to one projector

##### When Simple Mode is used

See “When Simple Mode is Used” on page 8.

##### When Simple Mode is not used

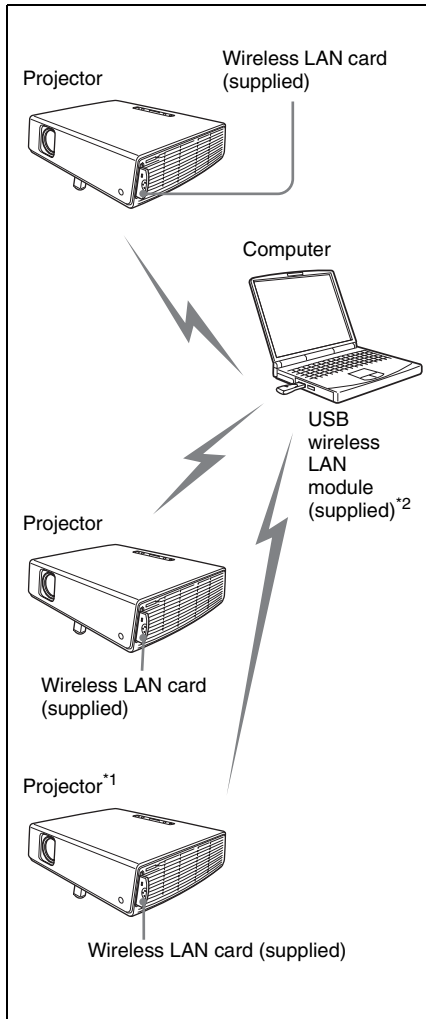
See “When Simple Mode is not Used” on page 10.



\* When Simple Mode is not used, you can also use a wireless LAN device other than the supplied USB wireless LAN module (IEEE802.11b applicable product).

## Connecting to several projectors at the same time

For setting and operations, see “When Simple Mode is not Used” on page 10.



\*1 A maximum of five projectors can be connected at the same time.

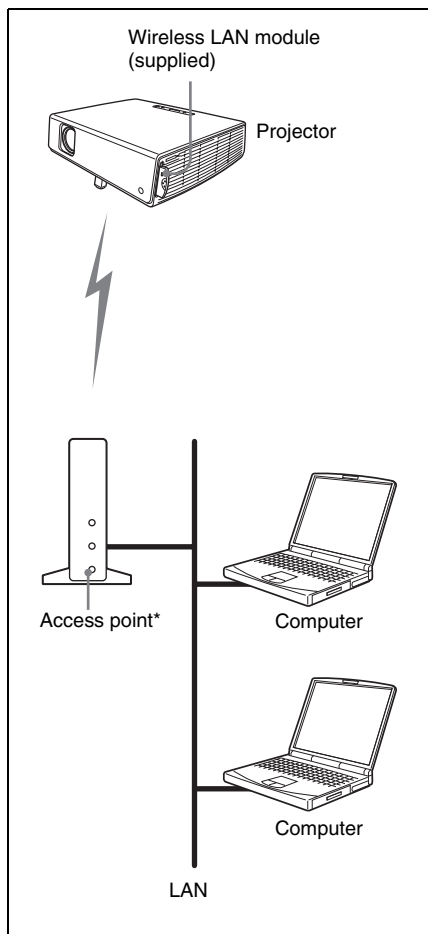
### Note

Five projectors may not be able to be connected at the same time due to the computer.

\*2 You can also use a wireless LAN device other than the supplied USB wireless LAN module (IEEE802.11b applicable product).

## Connecting to wireless LAN using the wireless LAN access point

For setting and operations, see “When Simple Mode is not Used” on page 10.



\* The available access point is the IEEE802.11b applicable product.

### Note

For a LAN connection, consult the network administrator.

## When Simple Mode is Used

### Setting the projector

- 1 Insert the supplied wireless LAN card into the slot of the projector.  
For details, see page 5.
- 2 Turn on the projector.
- 3 Press the AIR SHOT key on the remote commander.  
The home display of Air Shot appears.  
Check that [Simple Mode] is set to [On].



### If Simple Mode is not set to [On]

See steps 4 and 5 of “When Simple Mode is not Used” on page 10 and set it to [On].

### To change the network channel for Simple Mode

When the communication is poor, change the network channel.

The default setting is [11]. See steps 4 and 5 of “When Simple Mode is not Used” on page 10 and set [Network Channel] to another channel. The channel is selected from among 1 to 11.


### Notes

- If the USB wireless LAN module is connected to the computer, remove it before setting.
- You may not be able to use some channels according to the country/region.




## Setting the computer

- 1 Start the Projector Station for Air Shot.

When it starts, the [  ] icon appears in the task tray.

When [Create Shortcut Icon into Startup Folder.] is selected at installation, the Projector Station for Air Shot starts automatically.

- 2 Connect the USB wireless LAN module to the USB terminal of the computer.

The wireless setting is automatically done. When [Automatic Connection] is selected in the [  Option] dialog box (page 13), the connectable projector is searched and the image of the computer is projected on the searched projector.


### Note

It may take time to project an image due to the computer.

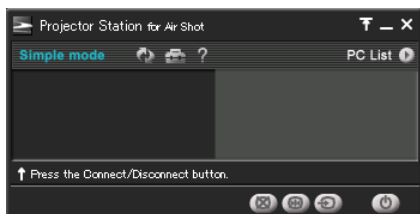
### When the projector you want to use cannot be found


Change the projector or add the projector to be used. The changed or added projector appears in the select list.

### Setting

- 1 Click the [  ] icon in the task tray and select [Open].

The main window of Projector Station for Air Shot opens.



- 2 Click the [  ] button of the main window to open the [Option] dialog box.

The [Option] dialog box is opened when the computer is not connected to the projector.

*For details of the [Option] dialog box, see page 12.*

- 3 Click the [Change Projector] button of [Simple Mode Setting].

The dialog box with a projector name and serial number is displayed.

- 4 When the projector to be used is listed, select the projector and click the [Ok] button.

When the projector to be used is not listed, click the [Add] button and enter the serial number (five-digit-number).

The projector is added to the list.

### Notes

- Even when the setting to add a projector is completed, the projector name is listed "Unknown" until the projector has been connected once.
- The serial number appears at the bottom of the Air Shot home display.
- A maximum of ten projectors can be registered.
- External monitor signal of notebook type computer may not be output when you use Projector Station for Air Shot.
- When Windows XP Service Pack 2 (SP2) is used, see "For Customers Who Use Windows XP Service Pack 2 (SP2)" on page 25.

## Connecting/disconnecting the projector and computer

You can also connect or disconnect the projector manually.

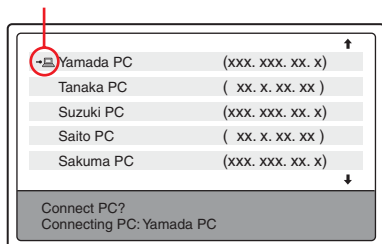
### When accessing from the computer

Open the main window of Projector Station for Air Shot and connect/disconnect the computer and the projector referring to the help manual.

### When accessing from the projector

- 1 Press the AIR SHOT key on the remote commander.  
The connectable computer list appears.
- 2 Press **↑** or **↓** key on the remote commander to select the computer to be connected, and then press the ENTER key.

Appears when the computer is connected.



### For disconnecting

Press **↑** or **↓** key to select the computer to be disconnected, and then press the ENTER key.

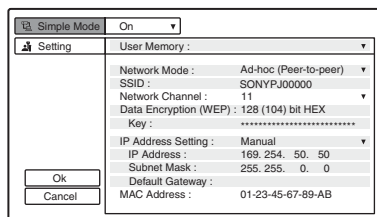
#### Note

Disconnect the projector and the computer in one of the two ways to stop the projection on the projector and remove the USB wireless LAN module.

## When Simple Mode is not Used

### Setting the projector

- 1 Insert the supplied wireless LAN card into the slot of the projector.  
For details, see page 5.
- 2 Turn on the projector.
- 3 Press the AIR SHOT key on the remote commander.  
The home display of Air Shot appears.
- 4 Press the ENTER key.  
The setting menu display appears.



- 5 Select [Off] in [Simple Mode] and set [Setting].

**User Memory:** the setting items can be saved. There are five memories and you can select from among [User 1] to [User 5]. When you want to change the user memory name, see “Projector setting” on page 18 (“Setting/Operating via Web”).

**Network Mode:** select [Ad-hoc (Peer-to-peer)] or [Wireless Access Point].

- Ad-hoc (Peer-to-peer): for wireless LAN connection without the access point
- Wireless Access Point: for wireless LAN connection with the access point

**SSID:** enter the same network name as that of the connected computer or access point.

A maximum of 32 characters/numbers can be entered.

**Network Channel:** when [Ad-hoc (Peer-to-peer)] is selected in [Network Mode], you can select from 1 to 11.  
When [Wireless Access Point] is selected in [Network Mode], [Auto] is selected automatically.

#### Notes

- If the USB wireless LAN module is connected to the computer, remove it before setting.
- You may not be able to use some channel according to the country.

**Data Encryption (WEP):** select the data encryption system.

You can select from among [Off], [64 (40) bit ASCII], [128 (104) bit ASCII], [64 (40) bit HEX], [128 (104) bit HEX]. When [Off] is selected, [Key] becomes invalid.

**Key:** when [Data Encryption (WEP)] is used, enter the key.

Enter the same key as that of the computer or access point.

The number of the characters/figures is due to the setting of the [Data Encryption (WEP)].

- 64 (40) bit ASCII: five characters/numbers/symbols
- 128 (104) bit ASCII: 13 characters/numbers/symbols
- 64 (40) bit HEX: ten numbers from 0 to 9/characters from a to f
- 128 (104) bit HEX: 26 numbers from 0 to 9/characters from a to f

#### Note

When [64 (40) bit ASCII] or [128 (104) bit ASCII] is selected, the capital and small letters are discriminated.

**IP Address Setting:** select [Auto (DHCP)] or [Manual].

When the [Manual] is selected, set [IP Address], [Subnet Mask] and [Default Gateway].

#### Note

A DHCP server is needed to make DHCP valid.

**IP Address:** select the IP address setting from among 0 to 255.

**Subnet Mask:** select the subnet mask setting from among 0 to 255.

**Default Gateway:** select the default gateway setting from among 0 to 255.

**MAC Address:** the MAC address of the attached wireless LAN card is displayed.

*You can set the projector by using the browser. See "Projector setting" on page 18 ("Setting/Operating via Web").*


#### To save the setting

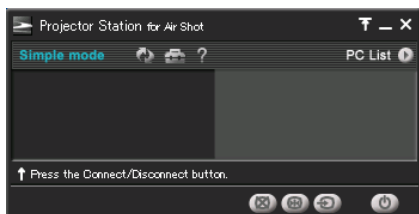
Select the [Ok] button and press the ENTER key. The settings are saved and the home display appears.


#### To clear the setting menu without saving the setting

Select the [Cancel] button and press the ENTER key.

## Setting the computer

- 1 Click the [  ] icon in the task tray and select [Open].  
The main window of Projector Station for Air Shot opens.



- 2 Click the [  ] button of the main window to open the [Option] dialog box.  
The [Option] dialog box is opened when the computer is not connected to the projector.

*For details of the [Option] dialog box, see page 12.*

- 3 Select [Off] in [Simple Mode].
- 4 Close the main window.
- 5 When the supplied USB wireless LAN module is used, set the wireless LAN referring to the User's Guide of the USB wireless LAN module.  
When a device other than the supplied USB wireless LAN module is used, set the wireless setting of the computer so that the projector and computer can be connected.

### Note

Close the main window for setting.


## Connecting/disconnecting the projector and computer

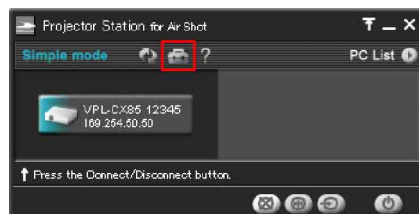
See page 10.

## Using the [Option] Dialog Box

This is used for the settings of Projector Station for Air Shot.

## Displaying the setting window of Projector Station for Air Shot

Click the [  ] button in the main window of Projector Station for Air Shot.

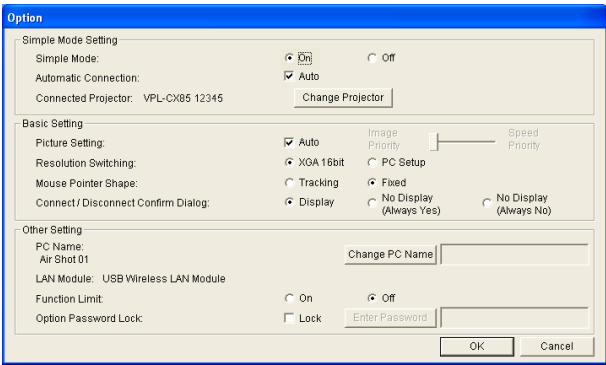


The [Option] dialog box appears.

### Note

When the computer is not connected to the projector, the [Option] dialog box is opened.

Location and function of the [Option] dialog box



Item	Contents	Initial setting
Simple Mode	Set Simple Mode. When [On] is selected, the mode is set to an easy connection mode with no need for network and wireless settings. When [Off] is selected, the network and wireless settings are needed.	On
Automatic Connection	Set to connect automatically when Simple Mode is set to [On] and the USB wireless LAN module is inserted into the computer.	Auto
Connected Projector	The projector name used in Simple Mode is displayed. Click the [Change Projector] button to connect the other projector or to add the projector.	—
Picture Setting	Set the picture quality of the transported image. When [Auto] is selected, the picture quality is set to the most suitable setting for the transported image. When the check of [Auto] is released, the picture setting is set to [Image Priority], [Speed Priority] or the center of both settings.	Auto

Item	Contents	Initial setting
Resolution Switching	<p>Set a resolution of the transported image. When [XGA 16bit] is selected, the image of the computer is converted to XGA 16 bit and the image is transported efficiently.</p> <p>When [PC Setup] is selected, the image of the computer is not converted but the image may not be transported efficiently.</p> <p><b>Notes</b></p> <ul style="list-style-type: none"> <li>• When [PC setup] is selected and an image of the computer is VGA or SVGA, the image displayed on the projector is smaller than that of the computer.</li> <li>• Do not change the resolution setting of the computer while Air Shot is working.</li> </ul>	XGA 16bit
Mouse Pointer Shape	<p>Check to [Tracking] to set the mouse pointer to the same shape as that of the computer.</p> <p><b>Note</b></p> <p>The mouse pointer may not be displayed the same as that of the computer even when [Tracking] is selected.</p>	Fixed
Connect/Disconnect Confirm Dialog	Set to display the confirmatory dialog box or not when the display is controlled from the other computer.	Display
PC Name	<p>Displays the used computer name.</p> <p>When [Change PC Name] is clicked, the computer name is changed. Max. 32 characters/numbers can be entered.</p>	—
LAN Module	The LAN module in use is displayed.	—
Function Limit	<p>Set the limitation of the Projector Station for Air Shot function.</p> <p>When [On] is selected, the projector cannot be turned on or off or controlled in the main window.</p>	Off
Option Password Lock	Set the password lock to the optional setting.	No check
Enter Password	Enter the password when the password lock is set.	—

### After setting

Click the [Ok] button.

### To clear the [Option] dialog box without saving the setting

Click the [Cancel] button.

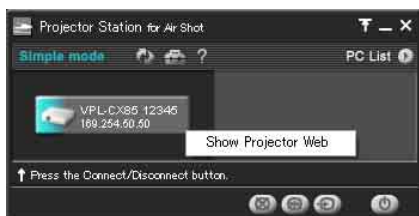
# Setting/Operating via Web

You can check the information of the projector from the computer or operate the projector on the computer. Check the connection and turn on the equipment.

## Accessing from the Computer

You can access the Web page of the projector by either of the following two ways.

**Right-click the projector button in the main window of Projector Station for Air Shot and click the displayed [Show Projector Web].**

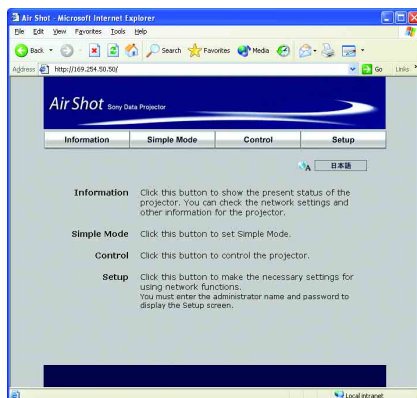


**Start a browser of the computer (Internet Explorer 5.0 or higher) and enter the address “http://xxx.xxx.xxx.xxx (IP address of the projector)”.**

### Note

If the browser of your computer is set to “Access the Internet using a proxy server,” enter the IP address of the projector in the box “Access the Internet without using a proxy server” when you have access to the projector from your computer.

After access, the following display appears.



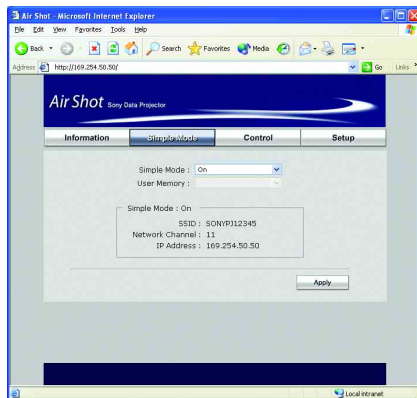
## Confirming the State of Projector Settings (Information)

Click [Information].  
You can confirm the current state of the projector on the computer. You cannot change the settings of the projector. Click [Refresh] when the setting of the projector is changed after displaying the information window.



## Setting the Connecting Mode (Simple Mode)

Click [Simple Mode].  
Set the Simple Mode and User Memory.  
Click the [Apply] button to reflect the projector.



**Simple Mode:** set the Simple Mode.

When [On] is selected, the mode is set to easy connection mode with no need for network and wireless settings. When [Off] is selected, the user settings are needed.

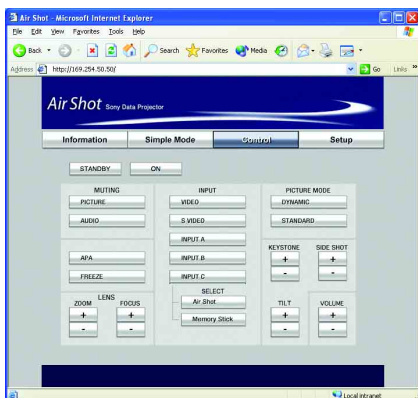
**User Memory:** select the user memory.



## Operating the Projector on the Computer (Control)

Click [Control].

You can control the projector on the computer.

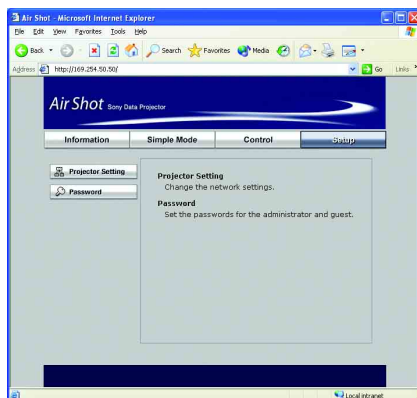


## Setting the Projector and Password (Setup)

Click [Setup].

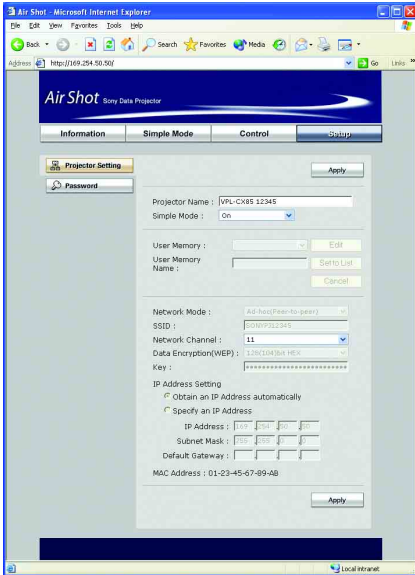
The dialog box for input of the password appears. Enter the administrator's name and password. The administrator's name is fixed to [root]. No password is set at the factory. Set for using the network function. Click [Projector Setting] or [Password] and set each item.

The current state is reflected in the projector by clicking the [Apply] button.



## Projector setting

Click [Projector Setting].



**Projector Name:** enter a projector name.

**Simple Mode:** set [On] or [Off].

When [Off] is selected, set the following.

**Network Mode:** select [Ad-hoc (peer-to-peer)] or [Wireless Access Point].

**SSID:** enter the same network name as that of the connected computer. A maximum of 32 characters/numbers can be entered.

**Network Channel:** when [Ad-hoc (peer-to-peer)] is selected in [Setting], you can select from 1 to 11.

When [Wireless Access Point] is selected in [Setting], [Auto] is selected.

### Notes

- When the network channel is changed, disconnect the projector and computer and remove the USB wireless LAN module from the computer. The setting becomes effective after connecting them again.
- You may not be able to use some channel according to the country.

**Data Encryption (WEP):** select the data encryption system.

You can select from among [Off], [64

(40) bit ASCII], [128 (104) bit ASCII], [64 (40) bit HEX], [128 (104) bit HEX]. When [Off] is selected, [Key] does not function.

**Key:** when [Data Encryption (WEP)] is used, enter the key. Enter the same key as that of the computer.

The number of the characters/figures is due to the setting of the [Data Encryption (WEP)].

- 64 (40) bit ASCII: five characters/numbers/symbols
- 128 (104) bit ASCII: 13 characters/numbers/symbols
- 64 (40) bit HEX: ten numbers from 0 to 9/characters from a to f
- 128 (104) bit HEX: 26 numbers from 0 to 9/characters from a to f

### Note

When [64 (40) bit ASCII] or [128 (104) bit ASCII] is selected, the capital and small letters are discriminated.

**IP Address setting:** set [Obtain an IP address automatically (DHCP)] or [Specify an IP address].

When [Specify an IP address] is selected, set [IP Address], [Subnet Mask] and [Default Gateway].

### Note

A DHCP server is needed to make DHCP valid.

**User Memory:** select from [User 1] to [User 5].

**Edit:** click when you want to enter a new user memory name.

**User Memory Name:** enter the user memory name.

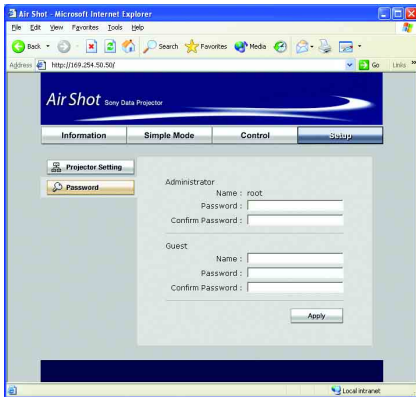
**Set to List:** click to register the added user memory name.

**Cancel:** click to cancel the user memory name.

---

## Password

Click [Password].



**Administrator:** enter [Password] and [Confirm Password]. The name is fixed to [root].

**Guest:** enter [Name], [Password] and [Confirm Password] of the user.

# Other

## Troubleshooting

Symptom	Cause and Remedy
The computer is not displayed in the PC list. (Projector)  or  The projector is not displayed in the main window of Projector Station for Air Shot. (Computer)	<ul style="list-style-type: none"><li>• Projector Station for Air Shot is not installed in the computer nor started.<ul style="list-style-type: none"><li>→ Install it.</li><li>→ Start Projector Station for Air Shot.</li></ul></li><li>• The supplied wireless LAN card is not inserted into the slot of the projector or a card other than the supplied one is inserted.<ul style="list-style-type: none"><li>→ Insert the supplied wireless LAN card.</li></ul></li><li>• The signal is extremely poor (the computer is distant from the projector or there is an obstacle such as a concrete wall or a steel partition/door between the computer and projector).<ul style="list-style-type: none"><li>→ Place the computer and projector near to each other or ensure there is no such intervening obstacle.</li></ul></li><li>• When the computer is connected to the projector using the USB wireless LAN module, the USB wireless LAN module is disconnected.<ul style="list-style-type: none"><li>→ Restart Windows and Projector Station for Air Shot and connect the USB wireless LAN module.</li></ul></li></ul> <p><b>Note</b></p> <p>Before disconnecting the USB wireless LAN module, disconnect the computer and projector.</p> <p><b>Simple Mode [On]</b></p> <ul style="list-style-type: none"><li>• Simple Mode of the projector or computer (Projector Station for Air Shot) is not set to [On].<ul style="list-style-type: none"><li>→ Set Simple Mode to [On].</li></ul></li><li>• [Connected Projector] of the computer is not set to the projector you want to connect.<ul style="list-style-type: none"><li>→ Add or select the projector to be connected by using [Change Projector] of the computer.</li></ul></li></ul> <p><b>Simple Mode [Off]</b></p> <ul style="list-style-type: none"><li>• The wireless and network settings of the projector or computer are not set correctly.<ul style="list-style-type: none"><li>→ Check that the IP address, SSID, WEP, Subnet Mask, Network Mode and Network Channel settings are the same as those of the connected equipment.</li></ul></li></ul>

Symptom	Cause and Remedy
The projector is displayed in the main window of Projector Station for Air Shot but the projector cannot be connected.	<ul style="list-style-type: none"> <li>• [Function Limit] in [Option] is set to [On]. → Set to [Off]. When [Function Limit] is set to [On], the projector cannot be connected or disconnected by the computer.</li> <li>• When the computer is connected to the projector using the USB wireless LAN module, the USB wireless LAN module is disconnected. → Restart Windows and Projector Station for Air Shot and connect the USB wireless LAN module.</li> </ul> <p><b>Note</b></p> <p>Before disconnecting the USB wireless LAN module, disconnect the computer and projector.</p>
The computer and projector are connected in the main window of Projector Station for Air Shot but the image cannot be projected on the projector.	<ul style="list-style-type: none"> <li>• The projector is set to a picture muting. → Press the PIC MUTING key on the remote commander to release the muting.</li> <li>• INPUT C (VPL-CX85) or INPUT B (VPL-CX75) is not selected on the projector. → Press the AIR SHOT key on the remote commander or select INPUT C (VPL-CX85) or INPUT B (VPL-CX75) using the INPUT button.</li> <li>• [Memory Stick] is selected in INPUT C (VPL-CX85) or INPUT B (VPL-CX75). → Press the AIR SHOT key on the remote commander.</li> </ul>
The image displayed on the projector is different from that of the computer.	<ul style="list-style-type: none"> <li>• The following application softwares or screen saver may not be transported correctly. <ul style="list-style-type: none"> <li>– Application software that uses DirectX</li> <li>– Application software that plays back a movie</li> <li>– Microsoft Office assistant</li> <li>– Microsoft IME tool bar</li> <li>– Tool tip displayed by mouse over</li> </ul> </li> <li>• [Resolution Switching] in [Option] is set to [PC Setup] and the image of the computer is displayed in a higher resolution than the XGA. → An image on the projector is deteriorated when the computer is set to a higher resolution than the XGA .</li> <li>• The resolution of the computer image and user switching in the user simple switching display are done while connecting (Windows XP). → Disconnect and reconnect the computer and projector.</li> </ul> <p><b>Note</b></p> <p>Disconnect the computer and projector, and then switch the resolution of the computer image or change the user by user simple switching.</p>

Symptom	Cause and Remedy
The image of one computer cannot be projected on several projectors.	<ul style="list-style-type: none"> <li>• Only one projector is displayed in the main window of Projector Station for Air Shot. <ul style="list-style-type: none"> <li>→ Set Simple Mode of the projector and computer to [Off] and set the network and wireless settings.</li> </ul> </li> <li>• Several projectors are displayed in the main window of Projector Station for Air Shot. <ul style="list-style-type: none"> <li>→ Even when the computer, OS and wireless LAN device of the recommended system are used, several computers may not be connected.</li> </ul> </li> </ul>
The computer cannot access the Web page of the projector.	<ul style="list-style-type: none"> <li>• The projector is not displayed in the main window of Projector Station for Air Shot. <ul style="list-style-type: none"> <li>→ See "The projector is not displayed in the main window." on page 20.</li> </ul> </li> <li>• The browser of the computer is set to "Access the Internet using a proxy server". <ul style="list-style-type: none"> <li>→ Set to "Access the Internet without using a proxy server".</li> </ul> </li> <li>• The version of the browser is old. <ul style="list-style-type: none"> <li>→ Use Internet Explorer version 5.0 or higher.</li> </ul> </li> </ul>
The mouse pointer displayed on the projector is different from that of the computer.	<ul style="list-style-type: none"> <li>• [Mouse Pointer Shape] in [Option] is set to [Fixed]. <ul style="list-style-type: none"> <li>→ Set [Mouse Pointer Shape] to [Tracking].</li> </ul> </li> </ul>
When the computer is connected to the projector, the mouse moves more slowly.	<ul style="list-style-type: none"> <li>• The computer is logged on with other than administrator privileges (Windows XP/2000 only). <ul style="list-style-type: none"> <li>→ The mouse moves slowly when the computer is logged on with other than administrator privileges.</li> <li>→ Even when the computer, OS and wireless LAN device of the recommended system are used, the mouse may move slowly.</li> </ul> </li> </ul>

## Messages on the Display

PC: Message displayed on the computer

PJ: Message displayed on the projector

Message	PC	PJ	Cause and Remedy
Could not find connectable projector.	○		<ul style="list-style-type: none"> <li>The connectable projector cannot be found after searching it.               <ul style="list-style-type: none"> <li>→ Simple Mode [On]                   <ul style="list-style-type: none"> <li>Check that the projector to be connected is selected in [Option], [Simple Mode Setting] and [Connected Projector]. (Computer)</li> <li>Check that the Simple Mode is set to [On] in the setting menu. (Projector)</li> </ul> </li> <li>→ Simple Mode [Off].                   <ul style="list-style-type: none"> <li>Check the wireless and network settings of the computer and the projector.</li> </ul> </li> </ul> </li> </ul>
You can connect up to 5 projectors.	○		<ul style="list-style-type: none"> <li>You tried to connect more than 5 projectors to one computer.               <ul style="list-style-type: none"> <li>→ A maximum of five projectors can be connected to one projector.</li> </ul> </li> </ul>
Turn off Simple Mode?	○		<ul style="list-style-type: none"> <li>A module other than the USB wireless LAN module is selected with Simple Mode set to [On].               <ul style="list-style-type: none"> <li>→ Simple Mode [On] cannot be used for a module other than the USB wireless LAN module.</li> </ul> </li> </ul>
Simple Mode is ON. To use a module other than the USB wireless LAN module, Simple Mode must be turned OFF by a user with administrator privileges.	○		<ul style="list-style-type: none"> <li>Simple Mode is set to [On] and a module other than the USB wireless LAN module is selected (when Windows XP/2000 is logged on without using the administrator privileges).               <ul style="list-style-type: none"> <li>→ When a LAN module other than the USB wireless LAN module is used, the computer cannot be used with Simple Mode set to [On]. Set Simple Mode to [Off].</li> </ul> </li> </ul>
Insert the USB wireless LAN module for Simple Mode initialization.	○		<ul style="list-style-type: none"> <li>Projector Station for Air Shot is started to install for the first time (when Windows XP/2000 is used).               <ul style="list-style-type: none"> <li>→ Before using Projector Station for Air Shot, set the Simple Mode initial setting. Insert the USB wireless LAN module to set the Simple Mode initial setting. When [Cancel] is selected in setting mode, the initial setting cannot be done. (The Simple Mode initial setting is done automatically when the computer is used with Simple Mode set to [On].)</li> </ul> </li> </ul>
For Simple Mode initialization, restart Projector Station for Air Shot as a user with administrator privileges.	○		<ul style="list-style-type: none"> <li>The Simple Mode initial setting is not done (when Windows XP/2000 is logged on without using the administrator privileges).               <ul style="list-style-type: none"> <li>→ Log on using the administrator privileges and start Projector Station for Air Shot. (The Simple Mode setting is done.)</li> </ul> </li> </ul>
Unable to switch the screen resolution.	○		<ul style="list-style-type: none"> <li>The resolution switching of the computer cannot be done when the main window is started or ended.               <ul style="list-style-type: none"> <li>→ Set [Resolution Switching] in [Option] of the computer to [PC Setup] when this message appears every time.</li> </ul> </li> </ul>

Message	PC	PJ	Cause and Remedy
Set the USB wireless LAN module's IP address to the automatic setting (DHCP).	○		<ul style="list-style-type: none"> <li>The Windows network setting of the USB wireless LAN module is not set to [DHCP] (when Windows 98SE/Me is used).</li> <li>→ Set the network setting of the USB wireless LAN module to [Auto].</li> </ul>
No response from projector.	○		<ul style="list-style-type: none"> <li>During connection the projector, communication cannot be done because the power of the projector is turned off, etc.</li> <li>→ Confirm the projector.</li> </ul>
The projector is busy.	○		<ul style="list-style-type: none"> <li>The computer cannot communicate with the projector as the other computer turns the projector on or off.</li> <li>→ After a while, communicate again.</li> </ul>
Cannot set the IP address.	○		<ul style="list-style-type: none"> <li>The IP address of the computer cannot be set.</li> <li>→ After a while, start the main window again, disconnect the USB wireless LAN module and connect it again (when the USB wireless LAN module is used). When the computer is used with Simple Mode set to [Off], confirm the wireless and IP address settings of the used LAN device.</li> <li>→ Restart Windows.</li> </ul>
Cannot set the Simple Mode.	○		<ul style="list-style-type: none"> <li>Simple Mode cannot be set.</li> <li>→ After a while, start the main window again and disconnect the USB wireless LAN module and connect it again.</li> </ul>
The same IP address already exists.	○	○	<ul style="list-style-type: none"> <li>The set IP address is already in use.</li> <li>→ Input a new IP address.</li> </ul>
Wireless LAN card not inserted.		○	<ul style="list-style-type: none"> <li>The wireless LAN card is not inserted correctly into the slot of the projector.</li> <li>→ Check the card direction and insert until it stops.</li> </ul>
Incompatible card mounted.		○	<ul style="list-style-type: none"> <li>The supplied wireless LAN card is not used.</li> <li>→ Use the supplied wireless LAN card.</li> </ul>
The setting is invalid.		○	<ul style="list-style-type: none"> <li>The setting in the setting menu is not valid.</li> <li>→ Check the displayed setting.</li> </ul>
Cannot start the network.		○	<ul style="list-style-type: none"> <li>The network setting cannot be done.</li> <li>→ Check the setting in the setting menu.</li> </ul>
The IP Address on the same Subnet Mask which is used by the Air Shot LAN Module has been assigned to another LAN module.	○		<ul style="list-style-type: none"> <li>The IP address on the same subnet mask which is used by the Air Shot LAN module has been assigned to another LAN module.</li> <li>→ Check the IP address which is used by the Air Shot LAN module and another LAN module. When the same IP address is used, change it. When there is the same IP address in the computer but it is not used, set another LAN module to "invalid".</li> </ul>



## For Customers Who Use Windows XP Service Pack 2 (SP2)

When using the Projector Station for Air Shot application on a computer in which Windows XP SP2 is preinstalled, the following symptoms may appear.

- When the main window of Projector Station for Air Shot opens, the [Windows Security Alert] dialog box is displayed.



- No projector is displayed on the main window of the Projector Station for Air Shot, or even if displayed, no projector can be connected to your computer.
- When you access the projector from a computer with the Projector Station for Air Shot installed, disconnection may occur unexpectedly a few minutes after connecting to the projector.

In order to solve these symptoms, register the Projector Station for Air Shot in [Exceptions] of [Windows Security Center] before using the Projector Station for Air Shot on a computer with Windows XP SP2 installed. There are two methods of registering.

### Method 1

When you start the Projector Station for Air Shot application on a computer with Windows XP SP2 preinstalled for the first time, the [Windows Security Alert] dialog box is displayed before the main window of the Projector Station for Air Shot opens. Click the [Unblock] button in the dialog box. You can register the Projector Station for Air

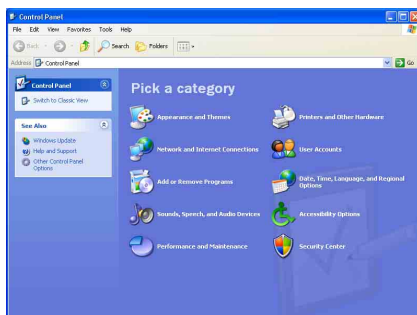
Shot application in [Exceptions] of [Windows Security Center].



### Method 2

- 1 Select [Control Panel] from the [Start] menu.

The [Control Panel] window opens.

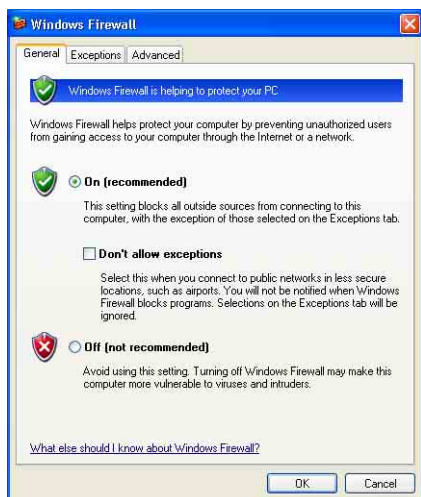


- 2 Select [Security Center].

The [Windows Security Center] window opens.



- 3** Select [Windows Firewall].  
The [Windows Firewall] dialog box appears.

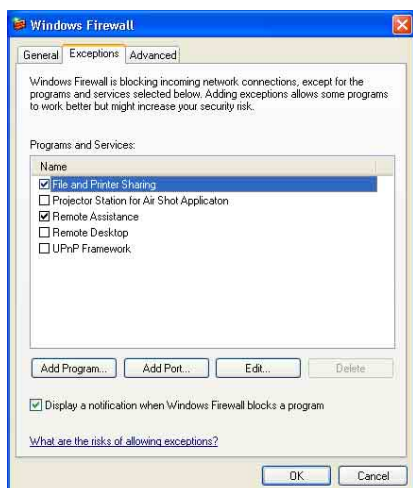


[Exceptions] of [Windows Security Center].

**Note**

In case that there is no Projector Station for Air Shot Application in the [Programs and Services] list, exit from the [Windows Security Center] and start the Projector Station for Air Shot. When the main window of the Projector Station for Air Shot opens, the [Windows Security Alert] window is displayed. Then register the application in [Exceptions] by clicking the [Unblock] button.

- 4** Click the [Exceptions] tab.



- 5** Check the [Projector Station for Air Shot Application] checkbox in the [Programs and Services] list, and click the [OK] button.

The Projector Station for Air Shot application has been registered in

## Technical Terms

### Air Shot

The function to connect the computer and the projector in wireless mode.

### DHCP

The function to share the IP address automatically with the equipment connected to the network. The DHCP server does not share a fixed IP address but shares the IP address with each equipment according to the situation.

### IP address

The address to recognize each connected machine in the TCP/IP network.

### LAN (Local Area Network)

The network to be used in a limited area such as an office or home.

### MAC address

The individual address to be shared at the factory when it is produced.  
There is no other machine with the same address and the address cannot be changed by the user.

### Projector Station for Air Shot

The application software to use Air Shot.  
Install in the used computer.

### SSID (Service Set Identifier)

The data to recognize the equipment to be connected in a wireless LAN.  
Equipment with the same SSID can be connected.

### TCP/IP

The protocol to use in a network.  
Each computer on the internet uses TCP/IP to communicate with any other computer and this is used as the protocol for LAN.

### WEP (Wired Equivalent Privacy)

The security system to communicate the encrypted data.  
Register the same key as that of the connected computer to communicate.

### Access point mode

The mode using the wireless access point in a wireless LAN.

### Ad-hoc (peer-to-peer) mode

The mode not using the wireless access point in a wireless LAN.

### Subnet mask

A means of allocating an IP address according to the individual need.

### Simple Mode

The simple setting mode to connect the projector and computer without the network and wireless settings.

### Channel

Channel allotted to a wireless LAN to avoid interference.  
Some channels cannot be used according to the country.

### Default gateway

This means a router address.

