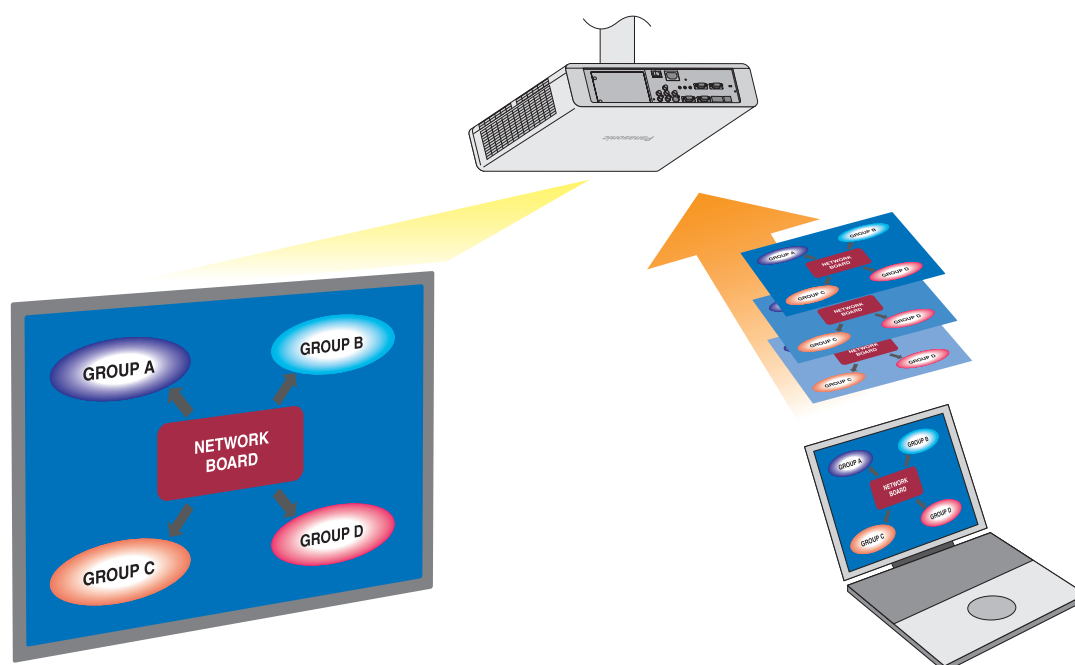


Macintosh

Wireless Manager ME 5.5

Wireless Manager mobile edition 5.5



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Wireless Manager mobile edition 5.5 (hereinafter called "Wireless Manager ME 5.5") uses the following software programs: Portion of this software are based in part on the work of the Independent JPEG Group

<Software information regarding this product>

© Panasonic Corporation 2011

This product incorporates the following software:

(1)the software which is developed independently by or for Panasonic Corporation

(2)the software which is licensed under the GNU GENERAL PUBLIC LICENSE,

and

(3)the software which is licensed under the GNU LESSER GENERAL PUBLIC LICENSE.

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If you wish to ask any questions as to the software, please contact (sav.pj.gpl.pavc@ml.jp.panasonic.com) by email.

Please note the following.

Panasonic cannot be held liable for damages arising from data corruption or loss as a result of using this projector.

Notes on Using Wireless Connection

Wireless connection function of the projector uses radio waves in the 2.4 GHz band.

A radio station license is not required, but be sure to read and fully understand the following items before use.

■ Do not use near other wireless equipment.

The following equipment may use radio waves in the same band as the projector.

When the projector is used near these devices, radio wave interference may make communication impossible, or the communication speed may become slower.

- Microwave ovens, etc.
- Industrial, chemical and medical equipment, etc.
- In-plant radio stations for identifying moving objects such as those used in factory manufacturing lines, etc.
- Designated low-power radio stations

■ If at all possible, avoid the use of cellular phones, TV sets or radios near the projector.

Cellular phones, TV sets, radios and similar devices use different radio bands from the projector, so there is no effect on wireless communication or the transmission and reception of these devices. However, radio waves from the projector may produce audio or video noise.

■ Wireless communication radio waves cannot penetrate steel reinforcements, metal, concrete, etc.

Communication is possible through walls and floors made from materials such as wood and glass (except glass containing wire mesh), but not through walls and floors made from steel reinforcements, metal, concrete, etc.

■ Avoid using the projector in locations prone to static electricity.

If the projector is used in a location prone to static electricity, such as on a carpet, the wireless LAN or wired LAN connection may be lost.

If this happens, eliminate the source of static electricity or electromagnetic noise and reconnect to the wireless LAN or wired LAN.

In rare cases static electricity or electromagnetic noise may make it impossible to establish a connection to the LAN.

If this happens, press the power button on the remote control or on the projector to power off the projector temporarily.

After the cooling fan stops operating (after the power monitor on the projector changes from orange to red), power on the projector and reconnect to the LAN.

■ Using the projector outside the country

It is forbidden to take the projector outside the country or region where you purchased it, so use it only in the said country or region. Also, note that depending on countries or regions there are restrictions on the channels and frequencies at which you can use the wireless LAN.

Notes on Using Wireless Connection (cont.)

■ Channels that can be used

The channels (frequency range) that can be used differ according to the country or region. Refer to the table below.

Country or region	Standard	Channels used	Frequency band (Center frequency)
Japan	ARIB STD-T66	1 - 13	2,412 MHz - 2,472 MHz
China	SRRC		
England, Germany, France, Spain, Italy, Belgium, Austria, Sweden, Norway, Denmark, Switzerland, Holland, Finland, Portugal, Greece, Thailand, South Korea	ETSI 300.328		
Singapore	IDA		
Australia, New Zealand	C-Tick		
Malaysia	SIRIM		
United States	FCC part 15	1 - 11	2,412 MHz - 2,462 MHz
Taiwan	DGT		

■ Wired LAN

Use straight or crossover LAN cable that is compatible with category 5 or above.

Whether straight cable, crossover cable or both can be used varies depending on the system configuration. For details, consult your system administrator.

Request Regarding Security

When using this product, the following security issues are foreseen.

- Leakage of your private information via this product
- Illegal operation of this product by a malicious third-party
- Harm to or cessation of operation of this product by a malicious third-party

Please take adequate security measures.

- Set passwords, and limit the users that are permitted login access.
- Make sure the password is as hard to guess as possible.
- Change the password periodically.
- Panasonic Corporation and its affiliated companies never directly ask customers for their password.
Do not give out your password even if directly asked by a third-party representing themselves as Panasonic Corporation.
- Use this product in a network where security is ensured by a firewall, etc.

Precautions for Security when Using a Wireless LAN Product

With a wireless LAN, information is exchanged between a PC, etc. and a wireless access point using radio waves in lieu of using a LAN cable. The advantage of a wireless connection is that it is possible to freely connect to the LAN as long as you are within the radio transmission range.

On the other hand, because the radio waves can travel through obstacles (such as walls) and are available everywhere within a given range, problems of the type listed below may occur if security-related settings are not made.

- Surreptitious monitoring of transmitted data
A malicious third-party may intentionally intercept and monitor transmitted data including the content of e-mail and personal information such as your ID, password, and/or credit card numbers.
- Illegal system entry
A malicious third-party may access your personal or corporate network without authorization and engage in the following type of behavior.
 - Retrieve personal and/or secret information (information leak)
 - Spread false information by impersonating a particular person (spoofing)
 - Overwrite intercepted communications and issue false data (tampering)
 - Spread harmful software such as a computer virus and crash your data and/or system (system crash)

Since most wireless LAN adapters or wireless access points are equipped with security features to take care of these problems, you can reduce the possibility of these problems occurring when using this product by making the appropriate security settings for the wireless LAN device.

Some wireless LAN devices may not be set for security immediately after purchase. To decrease the possibility of occurrence of security problems, before using any wireless LAN devices, be absolutely sure to make all security-related settings according to the instructions given in the operation manuals supplied with them.

Depending on the specifications of the wireless LAN, a malicious third-party may be able to break security settings by special means.

If you cannot deal with security settings when using this product with a wireless LAN, please contact “Panasonic Projector Support Center.”

We recommend that you fully understand the potential problems when using this product with inadequate security and take the necessary measures. Implementation and responsibility for security is at the discretion of the user of this product.

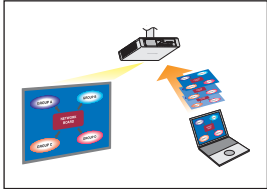
What you can do with Wireless Manager mobile edition 5.5

● Network Transmission

You can connect the projector to a computer via the wireless LAN or the wired LAN, and send moving and still images. For information on the connection, refer to the description on page 13 for wireless LAN, and page 23 for wired LAN.

● Project with various methods

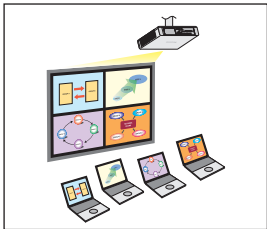
<Live Mode> (See page 30)



Used for normal presentations.

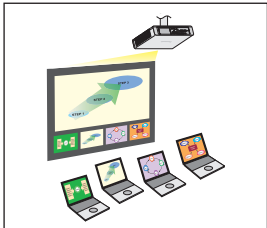
<Multi Live Mode> (See page 31)

- 4-screen multi style (See page 32)



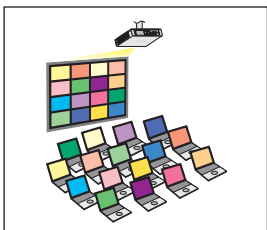
Used for presentations involving multiple computers.

- 4-screen index style (See page 33)



This style is used in cases where you wish to focus attention on one of four presentations displayed simultaneously.

- 16-screen index style (See page 35)

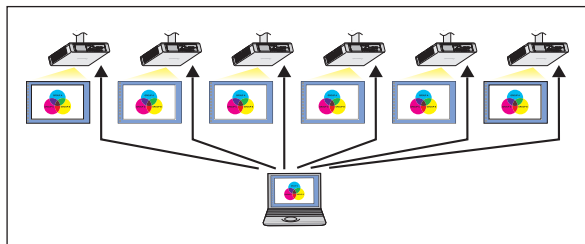


This style is used in cases where you wish to display a large number of presentations as a list.

What you can do with Wireless Manager mobile edition 5.5 (cont.)

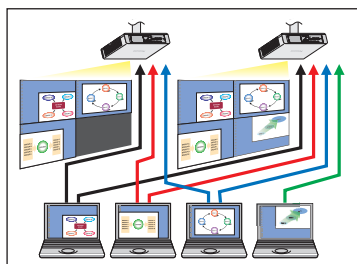
● Project with multiple projectors

<Multiple source live mode> (See page 36)



This arrangement can be used when a number of projectors are installed in a large conference room, or when holding simultaneous presentations in several conference rooms, for example.

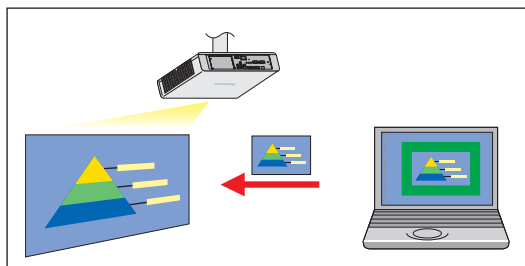
<Multiple source multi live mode> (See page 38)



This arrangement can be used when you wish to simultaneously display multiple presentations using multiple projectors.

● Useful functions

<Selective area transmission> (See page 40)



By using the selective area window, you can specify the necessary information alone from the computer screen, and display it on the projection screen.

What you can do with Wireless Manager mobile edition 5.5 (cont.)

<Virtual remote control function> (See page 29)

You can perform the following operation from a PC, using the virtual remote control in stead of the remote control.

- Changing the channels
- Turning the power on and off

<One-click Connection> (See page 26)

You can connect to the projector by double-clicking or using drag-and-drop.

The restrictions of this software vary with the projector used. For the latest information, see the applicable projector model list in our website (<http://panasonic.net/avc/projector/>).

When the CD-ROM of this software is supplied with the accessories of the projector, refer to “list of compatible projector models” (file name: [MANUALS] → [Pjlist] → [*.pdf], or [WirelessManager] → [WMOperatingInstruction] → [pjlist-*.pdf]).

Note

Some functions cannot be operated with the remote control attached to the projector, depending on the model. The <COMPUTER SEARCH> and <MULTI-LIVE> buttons can be operated from the menu of the projector. For details, see “‘PC Search’ Connection” (page 19) and “Live Mode” (page 30).

Check your computer

Necessary environment for computers to be connected

- First, check your computer to see whether or not it has a wired LAN* or a built-in wireless LAN* function.
※LAN : “Glossary” (See pages 45 - 46)
- Before connecting the projector to the computer, be sure to check the following settings.
- Operation is not guaranteed for all wireless LAN adapters and built-in wireless LAN adapters.

■ Wireless LAN

Check 1 Wireless LAN settings

- Is your wireless LAN switched on?

Check 2 Logon user's settings

- Can you log on with [Administrator (Admin)] authority?

Check 3 Computer's settings

- When security (firewall) software and utilities for wireless LAN adapters are installed, these may prevent connection of the projector.

■ Wired LAN

Check 1

<For Wired LAN>

- Is the cable properly connected?
- The specifications for cables vary depending on the system configurations. Confirm the projector settings and the cable specification.

Check 2 Wired LAN settings

<Computer with a built-in wired LAN function>

- Is your wired LAN switched on?

<Computer without a built-in wired LAN function>

- Is your wired LAN adapter properly recognized?
- Is your wired LAN adapter switched on?
- Install the wired LAN adapter driver beforehand.

For details on how to install the driver, refer to the instructions accompanying the wired LAN adapter.

Installing/Uninstalling software

System requirements

The computer must meet the following requirements in order to use the supplied software.

OS:	Mac OS X v10.4 Mac OS X v10.5 Mac OS X v10.6 ※ Mac OS X v10.7 ※
CPU:	1 GHz PowerPC G4 or faster, or 1.8 GHz Intel Core processor or faster
RAM:	512 MB or more recommended
Empty hard disk capacity:	60 MB or more
Hardware conditions:	CD or DVD drive (for installing software and viewing the operation manual) (If you install the software via network, you must connect to the local area network.) For connection by wired LAN: LAN terminal (10BASE-T/100BASE-TX/1000BASE-T) is necessary For connection by wireless LAN: Wireless LAN adapter (IEEE802.11 b/g/n) is necessary
WebBrowser:	Safari 2.0/3.0/4.0/5.0

※ Operation is not guaranteed on an OS that was not pre-installed or clean-installed.

Notes

- If Mac OS X v10.5 was upgraded to Mac OS X v10.6, connecting to the projector may not be possible.
- If Mac OS X v10.4 was upgraded to Mac OS X v10.6, operation is not guaranteed.
- If you are logged in to a “normal” user account, sound may not be output from the computer. If sound is not output from the internal speakers, quit Wireless Manager ME 5.5, and then make sure that [Internal Speakers] is selected in [Output] of [Sound] in [System Preferences]. If it is not selected, manually switch to [Internal Speakers].
- When a computer is equipped with graphics automatic switch function, live start may fail if “graphics automatic switch” of “energy saving” in “system environment settings” is enabled. If live start fails, then use after disabling this function.
- When connecting with IEEE802.11n, connect in infrastructure mode using a wireless LAN adaptor, projector and access point, all of which are compatible with 11n.
 (“Connecting through the access point”→ See page 22)

Operation is not guaranteed for all computers that meet the above conditions.

Installing/Uninstalling software (cont.)

■ Installation procedure

1

- **When installing with the file downloaded from the web site**

Click the file “WMmac5.5.dmg” downloaded from the web site. “WMMac5.5” is mounted on the desktop.

- **When the CD-ROM of this software is attached to the projector**

Insert the CD-ROM of this software into the CD drive and double-click “WMmac5.5.dmg” in the CD-ROM drive. “WMMac5.5” is mounted on the desktop.

Note

For the latest version, download “Wireless Manager ME 5.5” from our website (<http://panasonic.net/avc/projector/>).

2

Double-click “Wireless Manager.mpkg” or “Wireless Manager.pkg”.

After the installer starts, follow the instructions appearing on the screen and install the software.

Notes

- If the screen to enter the “Name” and “Password”, enter the name of the “Administrator” and the password.
- Install Wireless Manager ME 5.5 to “Application” (./Applications).

■ Uninstallation procedure

Uninstalling Driver

1

- **If downloaded and installed from the web site**

- Click the file “WMmac5.5.dmg” downloaded from the web site. “WMMac5.5” is mounted on the desktop.
- “WMUninstaller” is displayed.

- **If installed from the CD-ROM**

- Insert the CD-ROM of this software into the CD drive.
- Double-click “WMmac5.5.dmg” in the CD-ROM drive. “WMMac5.5” is mounted on the desktop.
- “WMUninstaller” is displayed.

2

Double-click “WMUninstaller”.

Follow the instructions appearing on the screen and uninstall the software.

Uninstalling Wireless Manager ME 5.5

1

Drag and drop [] in the folder to install to.

2

Select “Empty trash...” from the “Finder” menu.

Note

If only the driver is uninstalled, the sound cannot be output.

Connecting with wireless LAN

Easy Wireless Set Up

There are 3 different connection methods, “S-MAP” (Projector Signal Map) Connection, “1-4/U” Connection, and “PC Search” Connection. These connections enable easy search and connection to the projector.
(Refer to “1-4/U” connection on page 17 to establish an easy wireless connection with projectors that have no S-MAP function.)

1 Turn on the power of the projector.

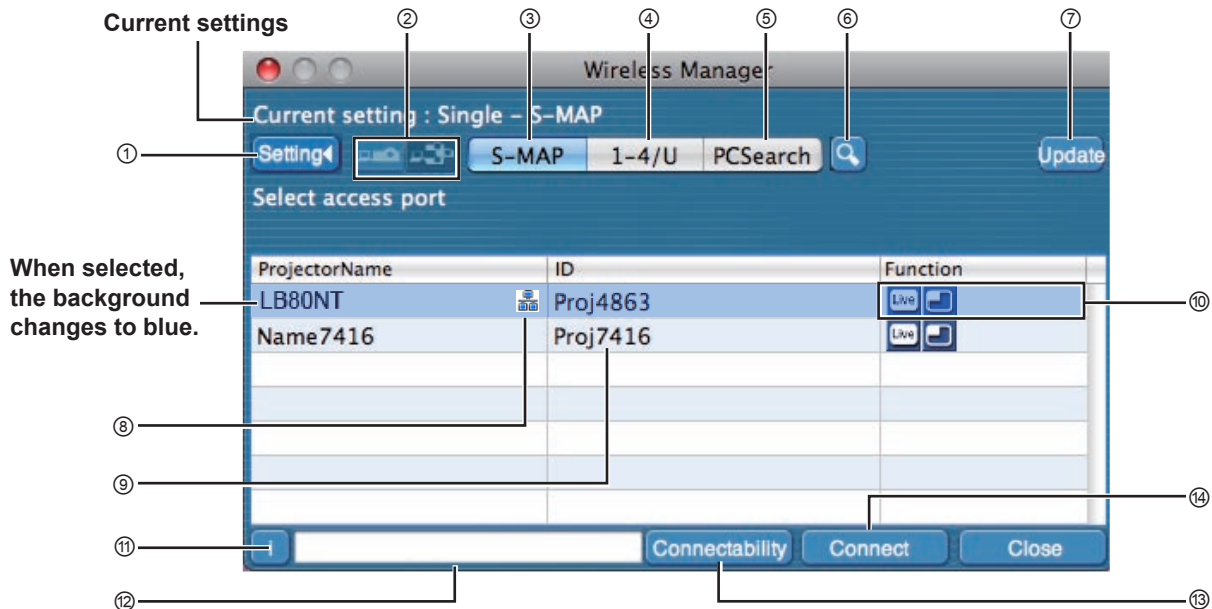
2 Connect to the projector with one of the connection methods.

- [S-MAP] Connection: Search and connect to the projectors set up using [Network Number] [S-MAP].
(See page 16)
Operation is given in [S-MAP] display in the <Projector Search> window.
- [1-4/U] Connection: Search and connect to the projectors set up using [Network Number] [1]-[4] or [USER1]-[USER3]. Projectors that can be connected to are displayed in a list (See page 17).
Operation is performed in [1-4/U] view on the <Projector Search> window.
- [PC Search] Connection: Use the [COMPUTER SEARCH] function on the projector to search and connect (See page 19).

Connecting with wireless LAN (cont.)

Parts name in search screen

■ <Projector Search> window – [S-MAP] (See page 16)



① Setting menu display

Choose to display or hide the ② to ⑥ buttons.

② Access Devices (See pages 30, 36, 38)

When only one projector is connected, select []. When multiple projectors are connected, select [].

※ Multiple projectors [(Multiple projectors icon)] are available when "1-4/U" is selected.

③ S-MAP (See page 16)

Display <Projector Search> window – [S-MAP].

④ 1-4/U (See page 17)

Display <Projector Search> window – [1-4/U].

⑤ PC Search (See page 19)

Display <PC Search> window.

⑥ Other search (See page 25)

From the projectors that are currently switched on, search for the projector of specified IP address, domain name, and ID from all network numbers except for [U (user)].

⑦ Updates the list of found projectors.

⑧ This mark appears for the projectors that have been searched and found through wired LAN.

⑨ ID (See page 25)

Display projector's ID.

⑩ Available modes and functions

Unavailable modes/functions among [Live mode] and [Multi live mode] are displayed with overlaid on them.

⑪ Connection message

Blinks when connection is not possible. Click to display information on resolving the issue. (See page 21)

⑫ Display the projector's name and name given in the favorites. (See page 44)

Guides for the operating status and connection method etc are also displayed.

⑬ Connectability

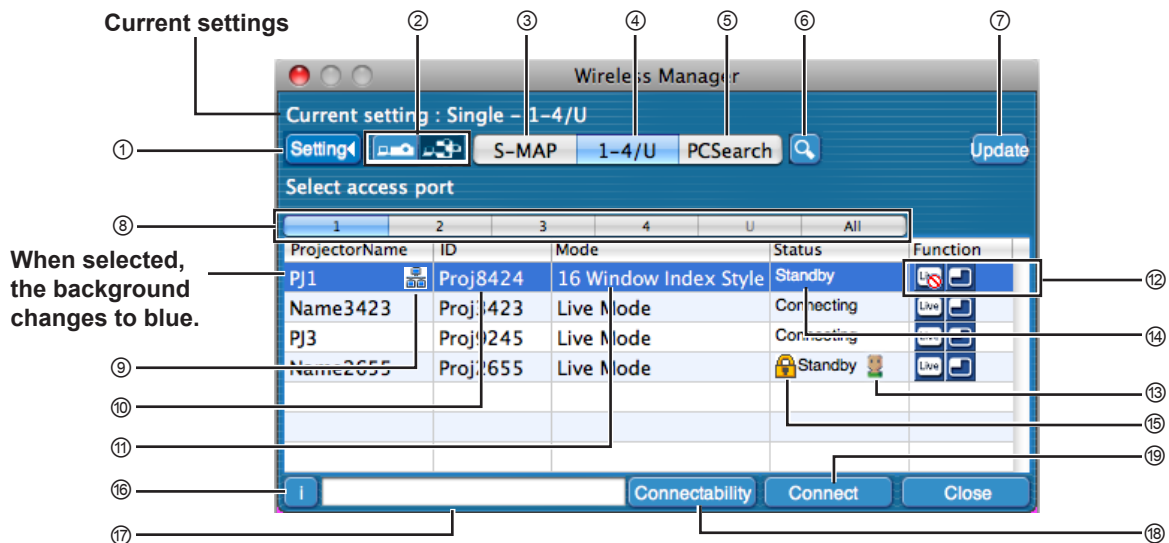
The name and ID of projectors are displayed on the upper left of the selected projector's projection screen. Once it is confirmed as connectable, the message "Projector is available." will appear on the PC screen.

⑭ Connection

Connect to the selected projector.

Connecting with wireless LAN (cont.)

■ <Projector Search> window – [1-4/U] (See page 17)



① Setting menu display

Choose to display or hide the ② to ⑥ buttons.

② Access Devices (See pages 30, 36, 38)

When only one projector is connected, select []. When multiple projectors are connected, select [].
 ※ Multiple projectors [(Multiple projectors icon)] are available when "1-4/U" is selected.

③ S-MAP (See page 16)

Display <Projector Search> window – [S-MAP].

④ 1-4/U (See page 17)

Display <Projector Search> window – [1-4/U].

⑤ PC Search (See page 19)

Display <PC Search> window.

⑥ Other search (See page 25)

From the projectors that are currently switched on, search for the projector of specified IP address, domain name, and ID from all network numbers except for [U (user)].

⑦ Updates the list of found projectors.

⑧ "Network" number

If you specify [1], [2], [3], [4], [U (user)]*¹ or [Display all], the projector(s) assigned with the corresponding network number(s) will be displayed in [Projector name] field. The default value is [S-MAP]*² for both PC and projector.

⑨ This mark appears for the projectors that have been searched and found through wired LAN.

⑩ ID (See page 25)

Display projector's ID.

※1

- In the following situations, connections other than [USER] are not possible.
 - When not installed in the [Applications] folder
- Depending on the computer and wireless LAN adapter used, Easy Wireless Set Up may not be possible. If this is the case, the [Network] number of <Projector Search> window automatically switches to [U (user)]. For details of the connection procedure, first close Wireless Manager ME 5.5, and then refer to page 22.

※2

- The network number is [S-MAP], when Wireless Manager ME 5.5 starts. These numbers must match for the connection. To check the network number, refer to the network menu of the projector.
- When importance is placed on security, select the network number [2] - [4], because WEP (wireless communication encryption)* is set on these network numbers.
- If [U (user)] is used for the network number, important video/audio data is protected because AES* encryption processing takes place in advance for all network numbers, even though [ENCRYPTION] is set to [NONE].
- Other network adapters may not be usable under Easy Wireless Set Up connections.
- Connections to other networks connected through the wireless LAN adapter are broken under Easy Wireless Set Up connections.

※ "Glossary" (See pages 45 - 46)

⑪ Mode (See page 30)

Display projector's mode or style.

⑫ Available modes and functions

Unavailable modes/functions among [Live mode] and [Multi live mode] are displayed with overlaid on them.

⑬ The number of people connected to this projector

Display the number of people that are connected to this projector.

⑭ The status of this projector

Display the projector's connection status.

⑮ will be displayed when password is required for the connection. (See page 25)

⑯ Connection message

Blinks when connection is not possible. Click to display information on resolving the issue. (See page 21)

⑰ Display the projector's name and name given in the favorites. (See page 44)

Guides for the operating status and connection method etc are also displayed.

⑱ Connectability

The name and ID of projectors are displayed on the upper left of the selected projector's projection screen. Once it is confirmed as connectable, a message is displayed on the PC screen reading "Connectable".

⑲ Connection

Connect to the selected projector.

Connecting with wireless LAN (cont.)

“S-MAP” Connection

1 Click the install target or in the Dock.

<Projector Search> window – [S-MAP] is displayed. (Parts name → See page 14)

- **When the <Input User Name> window appears**

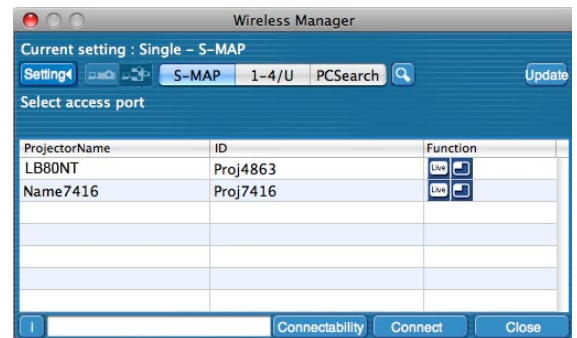
Set the icon and user name, and click [OK].

Notes

- Enter the user name in up to 8 alphanumerics.
- The icon and user name are set when Wireless Manager ME 5.5 is first launched.
- The icon and user name settings can be changed in the <Option> window. (See page 44)

<Projector Search> window – [S-MAP]

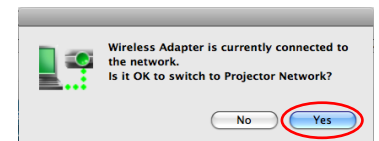
The projectors that can be connected are displayed.



2 Select the desired projectors, and click [Connect].

- **If the <Confirmation Dialog> box is displayed**

Click [Yes(Y)].



- **When the <Network Adapter Selection> window appears**

Select the adaptor from the list, and click [OK].

If the <Confirmation Dialog> box is displayed, click [YES (Y)].



- **When the <Administrator Authority dialog> box appears**

Enter the [Administrator (Admin)]'s name and password.

Notes

- For details on how to connect, refer to page 24.
- Only the built-in adapter appears on the <Network Adapter Selection> window.
- If you want to enable the network adapter after starting the Wireless Manager, you should do it after exiting Wireless Manager.

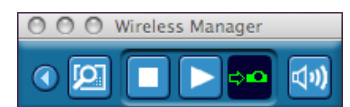


3 Connection completed.

When the connection with the projector is established, the launcher appears. (“Description of the launcher”→ See page 28)

Notes

- The launcher is not projected on the projector.
- If you cannot connect the projector and computer using Easy Wireless Setup, refer to page 47.
- If you do not find a projector you want to connect, press the [Update] button.
- The number of the letters of the projector name of [Connect]displayed on the search screen is limited to eight. Only the eight letters of the set projector name are displayed, depending on the projector model. It is recommended to limit the number of the letters of the projector name to eight for identification.



Connecting with wireless LAN (cont.)

“1-4/U” Connection

1 Click the install target or [1-4/U] in the Dock.

<Projector Search> window – [S-MAP] is displayed.

• When the <Input User Name> window appears

Set the icon and user name, and click [OK].

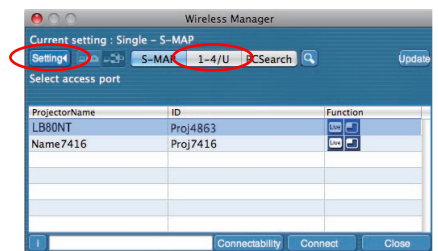
Notes

- Enter the user name in up to 8 alphanumeric.
- The icon and user name are set when Wireless Manager ME 5.5 is first launched.
- The icon and user name settings can be changed in the <Option> window. (See page 44)



2 Click [1-4/U] in the setting menu.

If the setting menu is not displayed, click [Setting ▶].



• When the <Network Adapter Selection> window appears

Select the adapter from the list and click [OK].

If the <Confirmation dialog> box appears, click [YES (Y)].

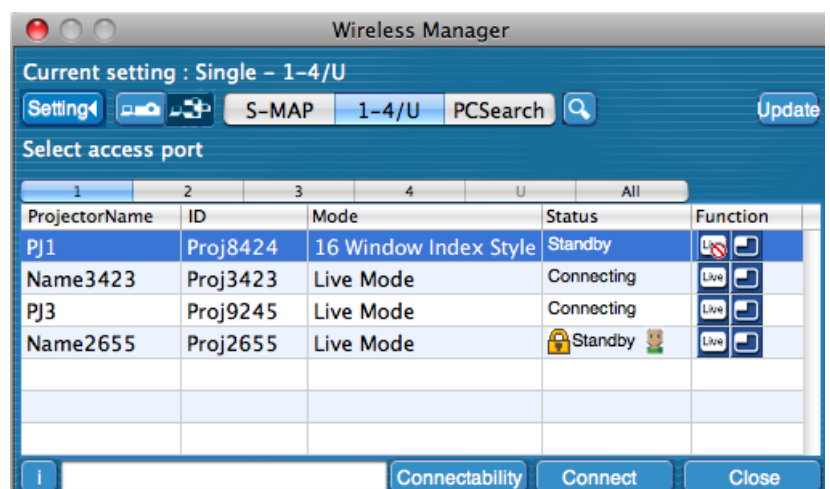


Notes

- For details on how to connect, refer to page 24.
- Only the built-in adapter appears on the <Network Adapter Selection> window.
- If you want to enable the network adapter after starting the Wireless Manager, you should do it after exiting Wireless Manager.

3 A list of projectors that can be connected to are displayed in the <Projector Search> window – [1-4/U].

(Parts name → See page 15)



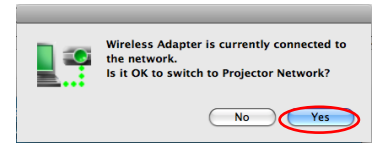
Connecting with wireless LAN (cont.)

4 Select the same network number as the one for the projector you want to connect to.

The projectors that can be connected to are displayed.

- **When the <Confirmation dialog> box appears**

Click [YES (Y)].



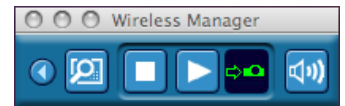
- **When the <Administrator Authority dialog> box appears**

Enter the [Administrator (Admin)]'s name and password.



5 Select the desired projectors, and click [Connect].

The launcher appears and the connection with the projector is established.
("Description of the launcher" → See page 28)



Notes

- The launcher is not projected on the projector.
- If you cannot connect the projector and computer using Easy Wireless Setup, refer to page 47.
- If you do not find a projector you want to connect, press the [Update] button.
- The number of the letters of the projector name of [Connect] displayed on the search screen is limited to eight. Only the eight letters of the set projector name are displayed, depending on the projector model. It is recommended to limit the number of the letters of the projector name to eight for identification.

Connecting with wireless LAN (cont.)

“PC Search” Connection

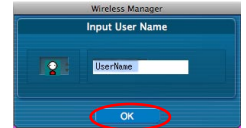
1 Click the install target or [S-MAP] in the Dock. <Projector Search> window – [S-MAP] is displayed.

• When the <Input User Name> window appears

Set the icon and user name, and click [OK].

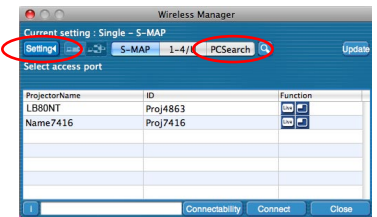
Notes

- Enter the user name in up to 8 alphanumerics.
- The icon and user name are set when Wireless Manager ME 5.5 is first launched.
- The icon and user name settings can be changed in the <Option> window. (See page 44)



2 Click [PC Search] from the setting menu.

If the setting menu is not displayed, click [Setting ▶].



• When the <Confirmation dialog> box appears

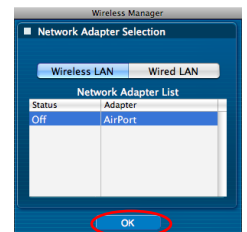
Click [YES (Y)].



• When the <Network Adapter Selection> window appears

Select the adapter from the list and click [OK].

If the <Confirmation dialog> box appears, click [YES (Y)].



• When the <Administrator Authority dialog> box appears

Enter the [Administrator (Admin)]'s name and password.



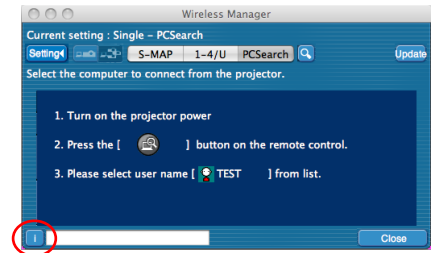
Notes

- For details on how to connect, refer to page 24.
- Only the built-in adapter appears on the <Network Adapter Selection> window.
- If you want to enable the network adapter after starting the Wireless Manager, you should do it after exiting Wireless Manager.

Connecting with wireless LAN (cont.)

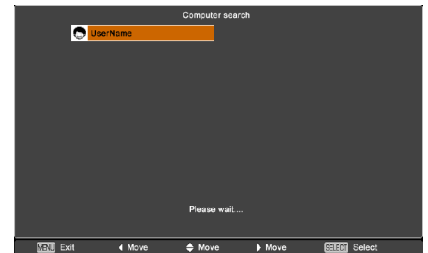
3 Connect the projector and computer.

<PC Search> window appears.



■ Operations on the projector

- ① Turn on the power to the projector unit.
- ② Select [COMPUTER SEARCH] from the Network menu of the projector and press the <ENTER> button.
The computers that can be connected to the projector are displayed in a list.
- ③ Select from the list displayed on the projector an item with the same icon/ user name as is displayed on the computer.

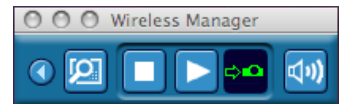


Notes

- If the computer is not displayed after the search ends, press the <COMPUTER SEARCH> button on the remote control again.
- The restrictions of this software vary with the projector used.
For the latest information, see the applicable projector model list in our website (<http://panasonic.net/avc/projector/>). When the CD-ROM of this software is supplied with the accessories of the projector, refer to “list of compatible projector models” (file name: [MANUALS] → [Pjlist] → [*.pdf], or [WirelessManager] → [WMOperatingInstruction] → [pjlist-*.pdf]).
- <COMPUTER SEARCH> button may not be on the remote control supplied with the projector depending on the model.
If you cannot operate from the remote control, operate from the “Network” menu of the projector.

4 Connection completed.

When the connection with the projector is established, the launcher appears.
("Description of the launcher" → See page 28)



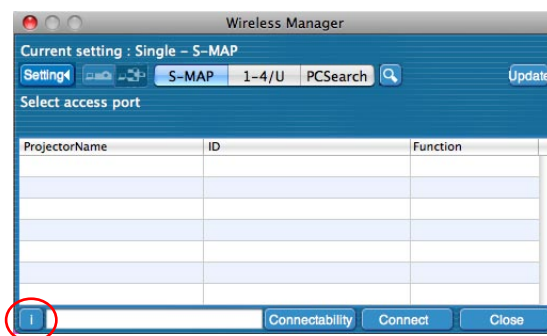
Note

The launcher is projected on the projector.

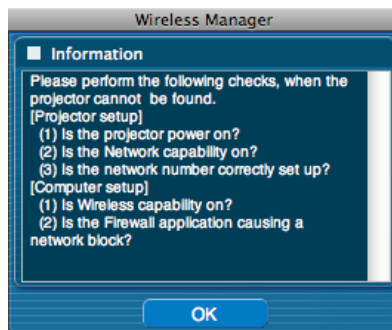
Connecting with wireless LAN (cont.)

Connection error messages

When wireless LAN connection cannot be established, the projector is not displayed.



Click the  button at this time to display information on resolving the issue as shown below.



Connecting with wireless LAN (cont.)

Connecting through the access point

You can make the setting for infrastructure mode* (connection through the access point*); however, confirm to your system administrator on network settings before changing any settings.

※“Glossary” (See pages 45 - 46)

① Projector settings

- 1 Turn on the projector and press the [NETWORK] button on the remote control.
- 2 Press the menu button to open the [NETWORK] menu, and then select from among [USER 1] through [USER 3] for [WIRELESS LAN] and press [ENTER].
- 3 Set the details of network and select [OK].

Confirm to your system administrator on network settings before changing any settings.

Note

The projector's MAC address* can be checked with [STATUS] in the network menu of the projector unit.

※“Glossary” (See pages 45 - 46)

② Computer settings

- 4 Turn on the computer.
- 5 Make the network setting according to your system administrator.

Note

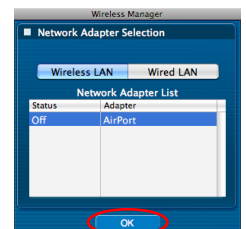
When the user does not have the [Admin (administrator)] authority, the [Admin (administrator)]'s name and password are required to make network settings.

- 6 Connect to your access point.
- 7 Start Wireless Manager ME 5.5.
- 8 Click [1-4/U] from the setting menu of the <Projector Search> window.

• When the <Network Adapter Selection> window appears

Select the adapter to connect to the projector from the list, and click [OK].

If the <Confirmation dialog> box is displayed, click [Yes].



- 9 Click [User].
 - 10 Click the projector you want to connect, and click [Connect]. (See pages 16, 17)
- The launcher appears and the connection with the projector is established.
("Description of the launcher" → See page 28)

Note

If no projector is displayed in <Projector Search> window with which you want to connect, click [🔍] to search by IP address. (See page 25)

Note

If you cannot establish wireless LAN connection via an access point after performed the right steps described in “① Setting projector”, contact the manufacturer of your access point (i.e. radio relay device).

Connecting with Wired LAN

Connection can be made with wired LAN. However, confirm to your system administrator on network settings before changing any settings.

① Projector settings

- 1** Turn on the projector and press the [NETWORK] button on the remote control.
- 2** Press the menu button to open the [NETWORK] menu, select [Wired LAN] and then press [ENTER].
- 3** Set the details of network and select [ENTER].
Confirm to your system administrator before changing any settings.

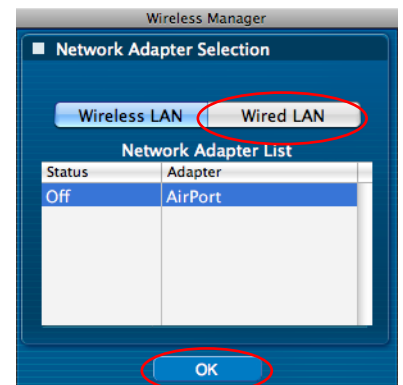
② Computer settings

- 4** Turn on the computer.
- 5** Make the network setting according to your system administrator.

Note

If you do not have [Administrator (Admin)] authority, you need to enter the name and password of [Administrator (Admin)].

- 6** Launch Wireless Manager ME 5.5
- 7** Click [1-4/U] from the setting menu of the <Projector Search> window.
 - When the <Network Adapter Selection> window appears
 - ① Click [Wired LAN].
 - ② Select the adapter from the list and click [OK].



- 8** Click [User].
- 9** Click the projector you want to connect, and click [Connect]. (See pages 16, 17)
When the connection with the projector is established, the launcher appears.
("Description of the launcher" → See page 28)

Note

If no projector is displayed, click [Q] to start searching by IP address. (See page 25)

Selection of adapters

When the <Network Adapter Selection> window appears, select [Wireless LAN] or [Wired LAN] and click [OK].

- [Wireless LAN]: The wireless LAN is used for the connection.
- [Wired LAN]: The wired LAN is used for the connection.
 - The <Projector Search> window appears. (See page 16)
 - The only usable network number is [U (USER)].



Note

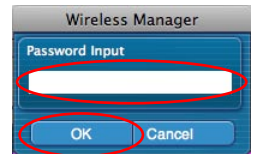
If you want to enable the network adapter after starting the Wireless Manager, you should do it after exiting Wireless Manager.

Other operations for connection

Operations when password entry is required for connection

A [🔒] mark is displayed for projectors that have passwords set.

The window shown to the right appears to establish a connection. Enter the password for the projector and click [OK].



Notes

- Click [CANCEL] at the <Password Input> window to return to launcher canceling the connection (See page 28).
- When an incorrect password is entered, an error message appears.
Click [OK] to return to the <Password Input> window and enter the correct password again.

Other search

Apart from “Easy Wireless Set Up” (See page 13), there are 3 other ways to search for and connect to a projector, namely “Search by IP address”, “Search by domain name”, and “Search by ID”.

These methods can be used if you cannot search using “Easy Wireless Set Up”.

- Search by IP address Search for and connect to a projector from the IP address*.
The projector that you want to connect to must have a network number of [USER1]-[USER3] and must have the IP address set.
- Search by domain name Search for and connect to a projector from the domain name*.
The projector that you want to connect to must have a network number of [USER1]-[USER3] and must have the IP address set.
※ “Glossary” (See pages 45 - 46)
- Search by ID Even if there are two or more projectors with the same name, an ID ([Proj] + 4-digit number) is assigned to each projector to enable the projectors to be identified.
A search for the projector of the specified ID is carried out from among the projectors that are presently switched on, from all network numbers other than [USER1]-[USER3].
It is necessary to know ID in advance. When input selection is switched to [NETWORK] on a projector, the ID appears on the upper right of the projection screen for approximately 5 seconds. If you write down the ID displayed in the [ID] column of the <Projector Search> window in advance, you can search a projector by the ID from next time.
The “Search by ID” function cannot be used with a wired LAN connection on Mac OS X v10.4 or Mac OS X v10.5.

1 Click [🔍] at the <Projector Search> window.
<Other search> window appears.

2 Enter the information of the projector you want to search for, and select the search criteria.

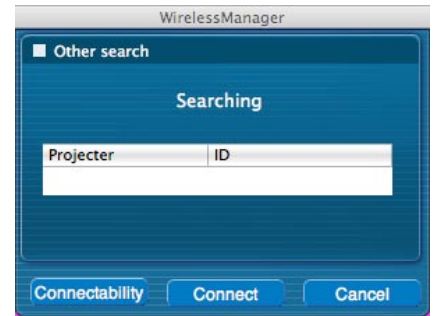


- When using “Search by IP address”
 - ① Enter the IP address (including its periods).
Example: 192.168.10.100
 - ② Select [Search by IP address]
- When using “Search by domain name”
 - ① Enter the domain name.
 - ② Select [Search by domain name].
- When using “Search by ID”
 - ① Enter the ID.
 - ② Select [Search by ID].

Other operations for connection (cont.)

3 Click [Search].

When <Other search> window – [Searching] is displayed, the search starts.

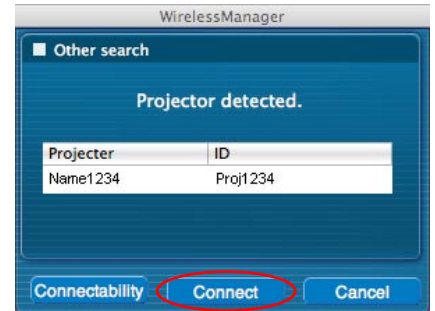


4 Check the search results.

When the projector of the applicable ID is found, the [Projector Name] and [ID] appear.

Note

If a projector of the applicable ID is not found, [No Projector detected.] appear.



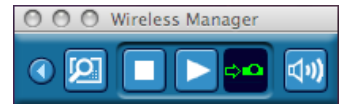
5 Click [Connect].

When the connection with the projector is established, the launcher is displayed.

(“Description of the launcher” → See page 28)

Note

The launcher is projected on the projector.



Automatic connection by “One-click connection”

An automatic connection can be established using the created profile.

This function is called “One-click connection.” (Create a profile → See page 27)

1 Turn on the power of the projector.

2 Connect with a created profile.

Perform step ① or ②.

① Double-click the profile.

(This function cannot be used when using without installation.)

② Drag and drop the profile onto the destination of installation or [] in the Dock.

The computer connect to the projector that was connected when the profile was created.

Note

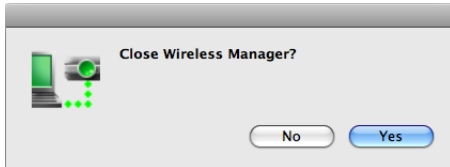
The automatic connection with “One-click connection” can be used only when the projector is connected through a wireless LAN.

Other operations for connection (cont.)

Exit Wireless Manager

1 Click [Exit] in the launcher menu.

The following window appears.



■ When connecting the projector for the first time

The Preservation of a Profile window appears.

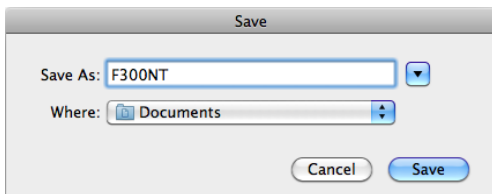
Create a profile with information about connected projectors.

You can use the created profile to connect automatically.

This function is called "One-click Connection". (One-click Connection→ See page 26)

Set the save destination and file name, and click [Save].

If you do not need to create a profile, click [Cancel].



2 Click [Yes].

The computer returns to the original network settings when the connection is ended.

However, note that some time may be needed to return to the original network settings.

Click [No] to return to the launcher.

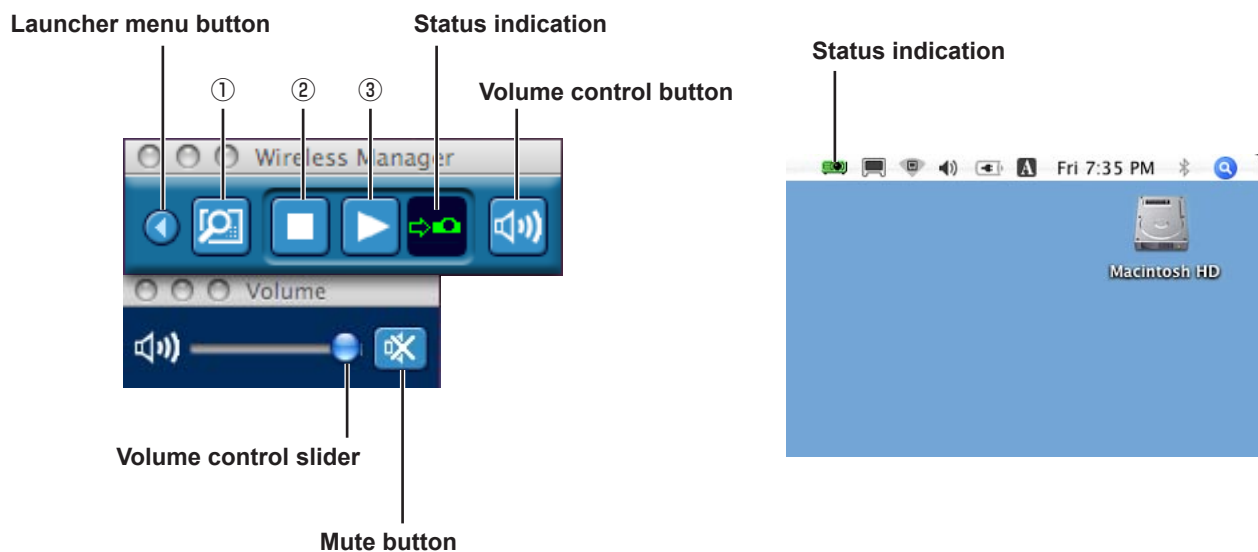
Note

You can also exit by selecting [End] from the launcher menu.

Various projection methods











Description of the launcher

The launcher always appears on the computer screen, and can be used to perform various operations.













■ Status indication

When connected to one projector

-  /  (Green, lit): Transmission possible
-  /  (Blue, lit): Own computer currently transmitting (when in live mode)
-  /  (Yellow, lit): Other user currently transmitting
-  /  (Red, lit): Communication impossible
-  /  (Black, lit): When the projector has not been selected

When connected to multiple projectors

-  /  (Green, lit): All transmission possible
-  /  (Blue, lit): Currently Transmitting
-  /  (Yellow, lit): Communication impossible for more than one unit
-  /  (Red, lit): All communication impossible
-  /  (Black, lit): When the projector has not been selected

■ Volume control button

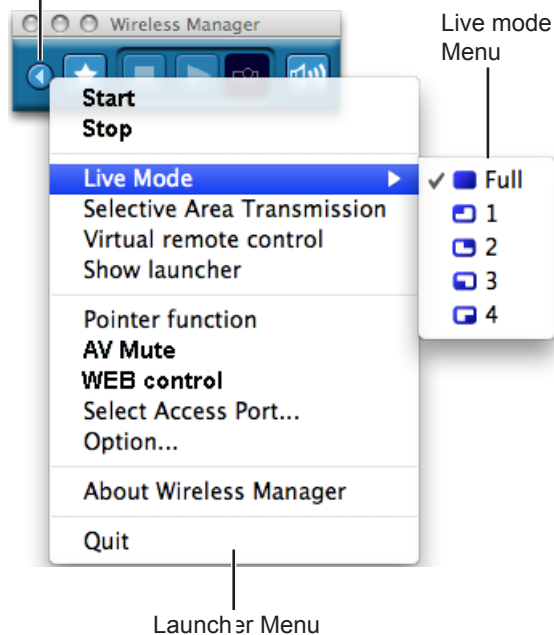
The volume control slider and mute button are displayed. Click again to close.


■ Operating Button

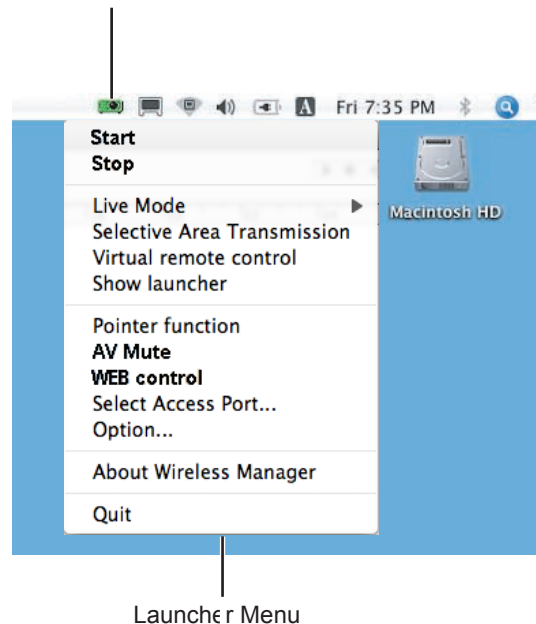
- ① **Favorite Function Button:** You can set your favorite function to this button. (See page 44)
- ② **Stop Communication Button:** Stops live mode.
- ③ **Start Communication Button:** Starts live mode. During communication the display changes to [⏸] (paused).

Various projection methods (cont.)

Launcher menu button

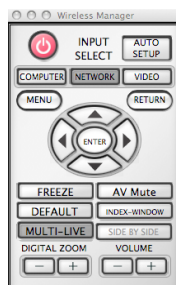


Click [] in the status display on the menu bar to display the launcher menu.



■ Launcher Menu

- Launcher menu button:** The launcher menu will appear. You can operate it by clicking the various items.
- [Start]: Starts projection.
- [Stop]: Stops projecting.
- [Live Mode]: The live mode menu will appear. Set a projection position for live mode. (See pages 30-31)
- [Selective Area Transmission]: By using the selective area window, you can specify the necessary information alone from the computer screen, and display it on the projection screen. (See page 40)
- [Virtual remote control]: The projector remote control is displayed on the computer screen, where it can be operated.



- [Show launcher]: Displays the launcher menu. (When operating from the system menu bar)
- [Pointer function]: Switches the pointer shape on the projected screen. (See page 41)
- [AV Mute]: Temporarily mutes the projector screen and volume. (See page 41)
- [WEB control]: Control a projector through the WebBrowser of a computer. For details, refer to the "Operating Instructions" of the projector, or "Network Operations".
- [Select Access Port]: The <Projector Search> window ([S-MAP], [1-4/U], [PC Search]) appears. Return to the screen before the launcher display. (See pages 16, 17, 19)
- [Option]: Displays the <Option> window. (See page 42)
- [About Wireless Manager]: Display the version information for the application.

Notes

- The virtual remote control can only be used with the 2 screen function when the connected projectors support 2 screen function.
- If your projector does not have the index function, the index window does not operate.
- When a projector with a Memory Viewer function is connected, the status indication will light in yellow while the Memory Viewer is operating and you will not be able to start projection. To start projection, first close the Memory Viewer.

Various projection methods (cont.)

Live Mode

Connect a computer to a projector, and display the computer screen over the entire projection screen. (If the connection is completed, and input is via network.)

1 Press the [MULTI-LIVE] button on the remote control to turn the projection screen into a full screen display (the status when no index window (small screens) is displayed). (See page 31)

If you press the [MULTI-LIVE] button once or twice when index windows are displayed on the projection screen, the screen will switch over to a full screen display.

Operation with projector

You can also change by selecting [MULTI-LIVE] from the “Network” menu of the projector and pressing the <ENTER> button.

Note

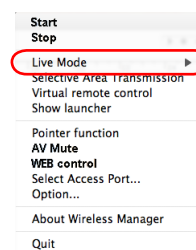
The live mode cannot be displayed if the index window is being displayed.

2 Check the status indication on the launcher to make sure that transmission is possible (). (See page 28)

3 Click [].

The launcher menu will appear.

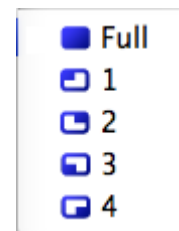
4 Click [Live Mode] in the launcher menu.



5 Click [Full screen].

6 Click [] on the launcher.


The current computer screen is transmitted to the selected projector. In the live mode the projector is occupied by a single computer, so operations from other computers are not possible.



Notes

- Picture quality or other options can be set on the <Option> window by clicking [Option] in the launcher menu. (See page 42)
- For presentations in live mode, the [PAGE ▲ ▼] buttons on the remote control or <UP/DOWN> button on the menu screen will function in the same way as the computer's Page Up and Page Down keys. This means that if you run a computer application that supports the Page Up and Page Down keys, the presentation screen can be changed using the remote control.
- Some portions of images are not projected under some applications (Microsoft Office Assistant, animation and locus of the mouse cursor, and others).
- If the connection error occurs during projection, the message [“Live Mode” is deactivated] will appear. Check the communication environment, then restart projection by clicking launcher buttons.
- Set the [LIVE MODE CUT IN] of the projector to [ON] in advance to enable a different computer to interrupt and project images in live mode.

■ Quitting live mode

Click [] on the launcher.

Various projection methods (cont.)

Multi Live Mode

Switching from one style to another

Multi live mode has “4-screen multi style”, “4-screen index style” and “16-screen index style”.

■ How to operate

Press the [MULTI-LIVE] button of the remote control to change the style.

Operation with projector

You can also change by selecting [MULTI-LIVE] from the “Network” menu of the projector and pressing the <ENTER> button.

- 4-screen multi style (See page 32)

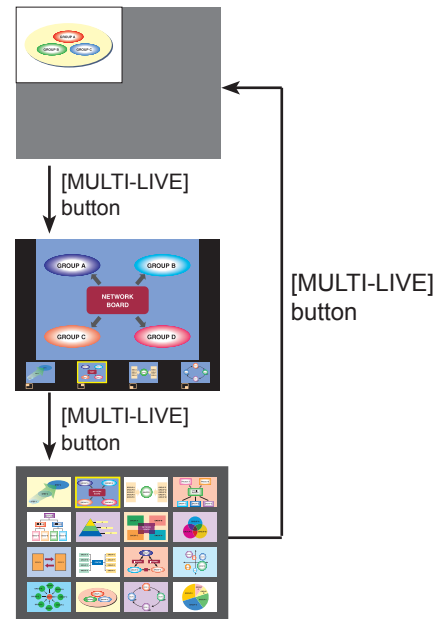
Set the projector to a full screen display. Assign an area of one quarter of the projector screen to each of up to four computers, and project images on the projector screen.

- 4-screen index style (See page 33)

Display the indexes (small screens) of up to four computer screens, and make one of these screens an enlarged display. You can also temporarily switch over to a full screen display.

- 16-screen index style (See page 35)

Display the indexes of up to 16 computer screens. You can also temporarily switch over one of these screens to a full screen display.



Notes

- When the projector starts up, it resumes in the current style the last time the projector was turned off.
- When transferring to the Live mode, first select the 4-screen multi style, and then click [] on the computer.
- If you switch over to a 4-screen multi style when five or more computers are connected in a 16-screen index style, the connections to the fifth and higher numbered computers will be nullified.
- You cannot use the <MULTI-LIVE> button on the remote control when in full screen display.
- <MULTI-LIVE> button may not be on the remote control supplied with the projector depending on the model. If you cannot operate from the remote control, operate from the “Network” menu of the projector.

Various projection methods (cont.)

4-screen multi style

Connect up to four computers to one projector, and then divide the projector screen into four parts, and simultaneously display the screens for the four computers on the projector screen. (If the connection is completed, and input is via network.)

1 Press the [MULTI-LIVE] button on the remote control to turn the projection screen into a full screen display (the status when no index window (small screens) is displayed). (See page 31)

If you press the [MULTI-LIVE] button once or twice when index windows are displayed on the projection screen, the screen will switch over to a full screen display.

Operation with projector

You can also change by selecting [MULTI-LIVE] from the "Network" menu of the projector and pressing the <ENTER> button.

Note

<MULTI-LIVE> button may not be on the remote control supplied with the projector depending on the model. If you cannot operate from the remote control, operate from the "Network" menu of the projector.

2 Check the status indication on the launcher to make sure that transmission is possible (). (See page 28)

3 Click [].

The launcher menu will appear.

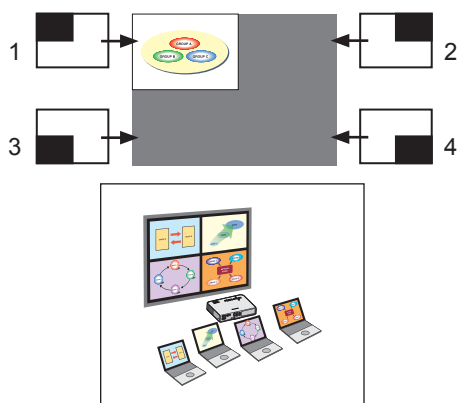
4 Click [Live Mode] in the launcher menu.

The window shown to the right appears.

5 Select and click the projection position.

6 Click [] on the launcher.

The computer image is transmitted to the selected quarter of the projection screen.




■ Switching to a different position

Select and click a different projection position in step 4 above.

■ Enlarged display

If [Live Mode] – [Full Screen] is clicked in the launcher menu, projector screens temporarily change to full screen display. To return to the original display, click [Live Mode] on the launcher and select original projection positions with each computer.

■ Quitting 4-screen multi-live

Click [] on the launcher.

Notes

- Picture quality or other options can be set on the <Option> window by clicking [Option] in the launcher menu. (See page 42)
- If the connection error occurs during projection, the message ["Live Mode" is deactivated] will appear. Check the communication environment, then restart projection by clicking launcher buttons.

Various projection methods (cont.)

4-screen index style

When the projector is set to “4-screen index style”, connect up to 4 computers to one projector, and then simultaneously display the screens for the 4 computers on the index windows and also on a large screen. (If the connection is completed, and input is via network.)

1 Press the [MULTI-LIVE] button of the remote control to switch the projection screen to “4-screen index style”. (See page 31)

Operation with projector

You can also change by selecting [MULTI-LIVE] from the “Network” menu of the projector and pressing the <ENTER> button.

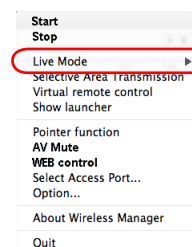
Note

<MULTI-LIVE> button may not be on the remote control supplied with the projector depending on the model. If you cannot operate from the remote control, operate from the “Network” menu of the projector.

2 Check the status indication on the launcher to make sure that transmission is possible (🔄). (See page 28)

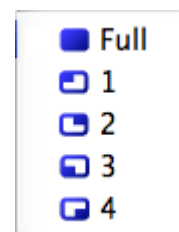
3 Click [🔍].

The launcher menu will appear.



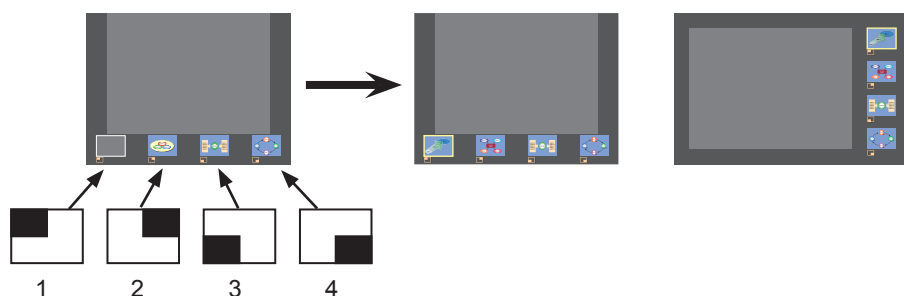
4 Click [Live Mode] in the launcher menu.

5 Select and click the projection position.



6 Click [▶] on the launcher.

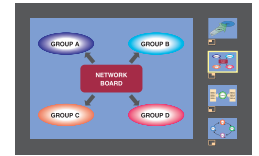
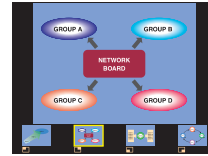
The computer image is transmitted to the area of corresponding window.



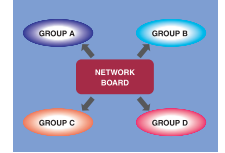
Various projection methods (cont.)

■ Enlarged display

- Use the [◀ ▶] buttons on the remote control to move the focus (yellow box) to the image to be enlarged, and press the [ENTER] button. The image is enlarged and displayed at the top of the projection screen.



- The image display will fill the entire screen if the [ENTER] button is pressed again.
- To return to the 4-screen index style, press the [ENTER] button again.




Notes

- While an enlarged image is displayed, the [PAGE ▲ ▼] buttons on the remote control will function in the same way as the computer's Page Up and Page Down keys. This means that if you run a computer application that supports the Page Up and Page Down keys, the presentation screen can be changed using the remote control.
- Picture quality or other options can be set on the <Option> window by clicking [Option] in the launcher menu. (See page 42)
- If the connection error occurs during projection, the message ["Live Mode" is deactivated] will appear. Check the communication environment, then restart projection by clicking launcher buttons.

■ Quitting the 4-screen index style projection

Click [■] on the launcher.

Note

In the 4-screen index style, the status display lamp remains lit green (). Other computers can send images only to the windows which are not being used.

Various projection methods (cont.)

16-screen index style

When the projector is set to “16-screen index style,” connect up to 16 computers to one projector, and simultaneously display the screens for the 16 computers.

(If the connection is completed, and input is via network.)

1 Use the [MULTI-LIVE] button on the remote control to set the projection screen to “16-screen index style”. (See page 31)

Operation with projector

You can also change by selecting [MULTI-LIVE] from the “Network” menu of the projector and pressing the <ENTER> button.

Note

<MULTI-LIVE> button may not be on the remote control supplied with the projector depending on the model. If you cannot operate from the remote control, operate from the “Network” menu of the projector.

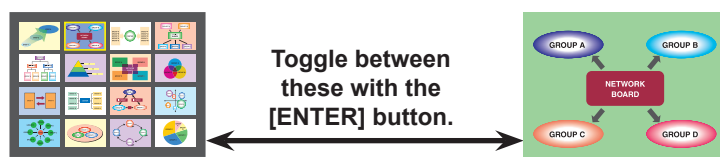
2 Check the status indication on the launcher to make sure that transmission is possible (🔌). (See page 28)

3 Click [▶] on the launcher.

The computer images are automatically sent to the empty windows on the 16-screen display. Display position is not selectable.

■ Enlarged display

- Use the [◀▶▲▼] buttons on the remote control to move the focus (yellow box) to the image to be enlarged and press [ENTER] to expand that image to fill the display.
- Press [ENTER] again to return to the 16-screen index style.



Notes

- While an enlarged image is displayed, the [PAGE ▲▼] buttons on the remote control will function in the same way as the computer's Page Up and Page Down keys. This means that if you run a computer application that supports the Page Up and Page Down keys, the presentation screen can be changed using the remote control.
- Picture quality or other options can be set on the <Option> window by clicking [Option] in the launcher menu. (See page 42)
- If the connection error occurs during projection, the message [“Live Mode” is deactivated] will appear. Check the communication environment, then restart projection by clicking launcher buttons.

■ Quitting the 16-screen index style projection

Click [■] on the launcher.

Various projection methods (cont.)

Multiple Source Live Mode

You can simultaneously project one computer's screen on up to 8 projectors.

Note

Can be displayed in projectors that have a network number of [1]-[4] or [USER1]-[USER3].

1 Press the [MULTI-LIVE] button on the remote control to turn the projection screen into a full screen display (the status when no index window is displayed). (See page 31)

If you press the [MULTI-LIVE] button once or twice when index windows are displayed on the projection screen, the screen will switch over to a full screen display.

Operation with projector

You can also change by selecting [MULTI-LIVE] from the "Network" menu of the projector and pressing the <ENTER> button.

Note

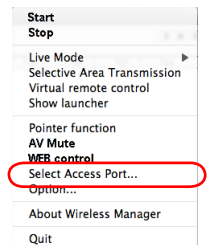
<MULTI-LIVE> button may not be on the remote control supplied with the projector depending on the model. If you cannot operate from the remote control, operate from the "Network" menu of the projector.

2 Click .

The launcher menu will appear.

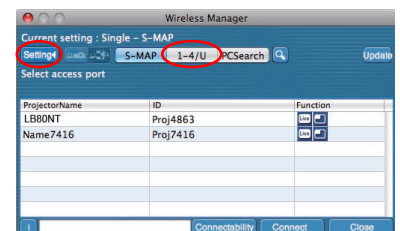
3 Click [Select Access Port] in the launcher menu.

(When controlling multi-live in the search screen)



4 Click [1-4/U] in the setting menu.

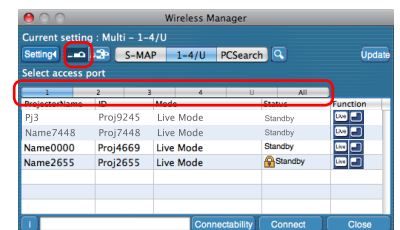
<Projector Search> window – [1-4/U] is displayed.
If the setting menu is not displayed, click [Setting ►].



5 Click .

6 Select the network number of the desired projectors.

Projectors powered on in the chosen network group are listed.

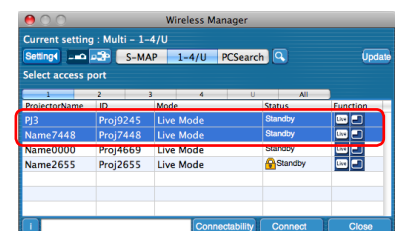


7 Select the desired projectors, and click [Connect].

Selected projectors are displayed in blue.

To select a continuous range of projectors, click the first projector, and then click the last projector while holding down the Shift key. To select multiple projectors that are not next to each other, click each projector while holding down the Command key.

If click [Connect], the connection with the projectors is established.



Various projection methods (cont.)

8 Check the status indication on the launcher to make sure that transmission is possible (). (See page 28)

9 Click [] on the launcher.

The same image is provided for all the projectors selected in step 7.

Notes

- Projection is provided in multi-live mode for the projector having the same network number that is selected on the PC.
- Among the selected projectors, if there is one to which other PC is transmitting data or of which the projection screen is not set to full-screen, projection is provided for that one.
- The greater the number of projectors, the slower the transmission.
- Picture quality or other options can be set on the <Option> window by clicking [Option] in the launcher menu. (See page 42)
- Sound cannot be output in the multiple source live mode.
- If the connection error occurs during projection, the message ["Live Mode" is deactivated] will appear. Check the communication environment, then restart projection by clicking launcher buttons.
- Set the [LIVE MODE CUT IN] of the projector to [ON] in advance to enable a different computer to interrupt and project images in live mode.

■ Quitting multiple source live mode

Click [] on the launcher again.

Various projection methods (cont.)

Multiple Source Multi Live Mode

Connect up to 4 computers to each of up to 8 projectors, and project in each projector by the 4-screen multi style.

Note

Can be displayed in projectors that have a network number of [1]-[4] or [USER1]-[USER3].

1 Press the [MULTI-LIVE] button on the remote control to turn the projection screen into a full screen display (the status when no index window is displayed). (See page 31)

If you press the [MULTI-LIVE] button once or twice when index windows are displayed on the projection screen, the screen will switch over to a full screen display.

Operation with projector

You can also change by selecting [MULTI-LIVE] from the “Network” menu of the projector and pressing the <ENTER> button.

Note

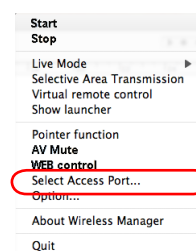
<MULTI-LIVE> button may not be on the remote control supplied with the projector depending on the model. If you cannot operate from the remote control, operate from the “Network” menu of the projector.

2 Click [].

The launcher menu will appear.

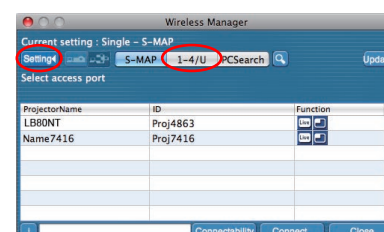
3 Click [Select Access Port] in the launcher menu.

(When controlling multi-live in the search screen)



4 Click [1-4/U] in the setting menu.

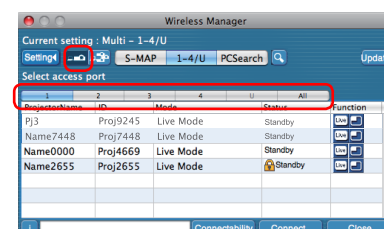
<Projector Search> window – [1-4/U] is displayed.
If the setting menu is not displayed, click [Setting ►].



5 Click [].

6 Select the network number of the desired projectors.

Projectors powered on in the chosen network group are listed.



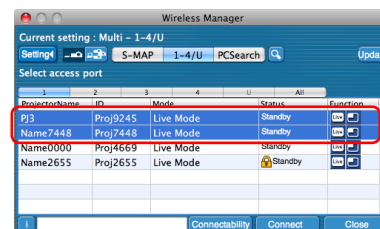
Various projection methods (cont.)

7 Select the desired projectors, and click [Connect].

Selected projectors are displayed in blue.

To select a continuous range of projectors, click the first projector, and then click the last projector while holding down the Shift key. To select multiple projectors that are not next to each other, click each projector while holding down the Command key.

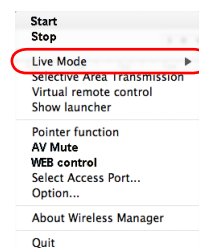
If click [Connect], the connection with the projectors is established.



8 Check the status indication on the launcher to make sure that transmission is possible (). (See page 28)

9 Click [].

The launcher menu will appear.

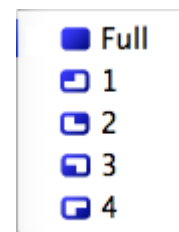


10 Click [Live Mode] in the launcher menu.

11 Select and click the projection position.

12 Click [] on the launcher.

The computer image is transmitted to the selected quarter of the projection screen.



■ Switching to a different position

Select and click a different projection position in step 11 above.

■ Enlarged display

If [Live Mode] – [Full Screen] are clicked in the launcher menu, projector screens temporarily change to full screen display. To return to the original display, click [Live Mode] on the launcher and select original projection positions with each computer.

■ Quitting multiple source multi live mode

Click [] on the launcher.

Notes

- Projection is provided in multi-live mode for the projector having the same network number that is selected on the PC.
- From the selected projectors, if LB20NT/30NT is included in the selection, or if one of the projectors is not set to full screen for the projection screen, this does not operate.
- The greater the number of projectors, the slower the transmission.
- In multiple source multi live mode even when the remote projector [MULTI-LIVE] button is pressed no operation will result.
- Picture quality or other options can be set on the <Option> window by clicking [Option] in the launcher menu. (See page 42)
- If the connection error occurs during projection, the message ["Live Mode" is deactivated] will appear. Check the communication environment, then restart projection by clicking launcher buttons.

Useful Functions

Selective Area Transmission

By using the selective area window, you can specify the necessary information alone from the computer screen, and display it on the projection screen.

Note

The restrictions of this software vary with the projector used.

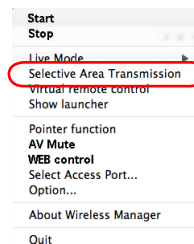
For the latest information, see the applicable projector model list in our website (<http://panasonic.net/avc/projector/>). When the CD-ROM of this software is supplied with the accessories of the projector, refer to "list of compatible projector models" (file name: [MANUALS] → [Pjlist] → [* .pdf], or [WirelessManager] → [WMOperatingInstruction] → [pjlist-*.pdf]).

1 Click [⏏].

The launcher menu will appear.

2 Click [Selective Area Transmission] in the launcher menu.

The range selection screen is displayed.

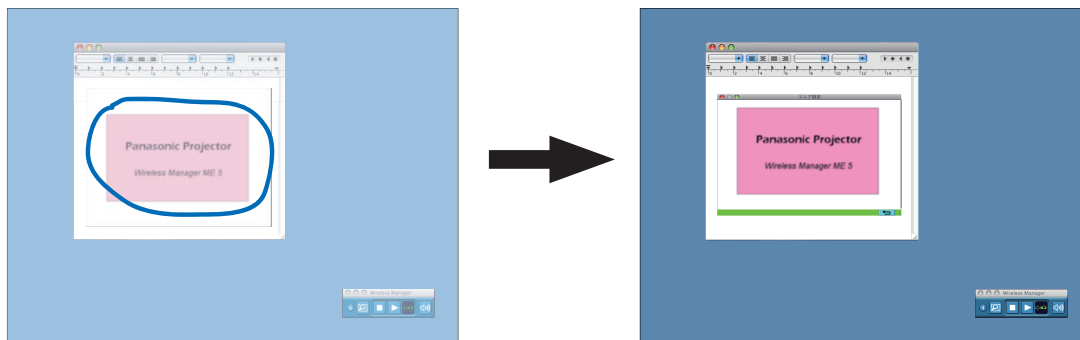


3 With the left mouse button held down, surround the area you want to send to the projector.

Selective area window (green) appears on computer screen.

You can perform operations in the selective area window with the same operation for moving or changing the window on the computer screen.

- If clicking [↶], the selective area window changes to its default size.



Note

If you have drawn a straight line, a selective area window is displayed in the diagonal direction from your line.

4 Check the status indication on the launcher to make sure that transmission is possible (🟢🟡). (See page 28)

5 Click [▶] on the launcher.

The picture in the selective area window is projected.

Note

The picture inside the selective area window is displayed as big as possible with keeping the original aspect ratio to be fit for the resolution of projection screen.

■ Quitting selective area transmission

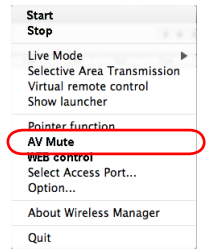
Click [Selective Area Transmission] in the launcher menu. Alternatively, the selective area transmission function is exited when the selective area window is closed.

Useful Functions (cont.)

AV Mute function

Blanks the screen for a moment.

- 1 Click [Pointer].**
The launcher menu will appear.
- 2 Click [AV Mute] in the launcher menu.**
The image is turned off.
Audio output also goes out.
- 3 Click [AV Mute] in the launcher menu again.**
[AV Mute] is disengaged.



Note

The shutter function is available only in live mode or in multiple source live mode.

Pointer function

You can change the shape of the pointer appearing on the projection screen in live mode or multiple source live mode to one that can be used for presentation purposes.

Click [Pointer] in the launcher menu.

■ Quitting Pointer function

Click [Pointer] in the launcher menu again.



WEB control function

Control a projector through the WebBrowser of a computer.

For details, refer to the “Operating Instructions” of the projector, or “Network Operations”.

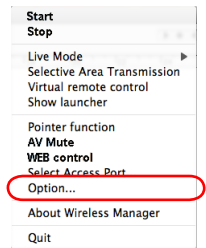
Setting options

You can make various settings related to Wireless Manager ME 5.5.

Setting options

1 Click [⏏].

The launcher menu will appear.

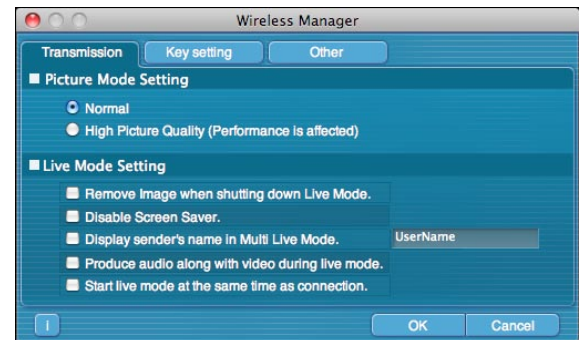


2 Click [Option] in the launcher menu.

The <Option> window shown to the right appears.

3 Click the desired tab to be set.

4 Click [OK].



Transmission

■ Resolution

Select the quality of the image transmitted from the computer to the projector.

- [Normal]
Priority is given to speed when in live mode.
- [High Picture Quality (Performance is affected)]
Priority is given to picture quality when in live mode.

■ Live Mode Settings

- [Remove image when shutting down Live Mode]
Set this if you want to make images on the projector cleared at the end of live mode.
- [Disable Screen Saver]
This disables the computer screen saver function while Wireless Manager ME 5.5 is operating. Check this box to disable screen saver operation during live mode.
- [Display sender's name in Multi Live Mode]
The characters (max. 8) which have been entered are displayed at the upper right of the transmitted screen. In the 4-screen and 16-screen index style modes, they are also displayed at the bottom of each image. (Alphanumerics are not displayed when the check mark has been removed.)
- [Produce audio along with video during Live Mode]
You can set this when you want to output audio data from a projector in live mode. Furthermore, the launcher audio settings are only effective when sound is output from the projector. Sound can be output only in live mode.
- [Start Live Mode at the same time as connection]
Projection starts when the connection is made without having to click the live button.

Note

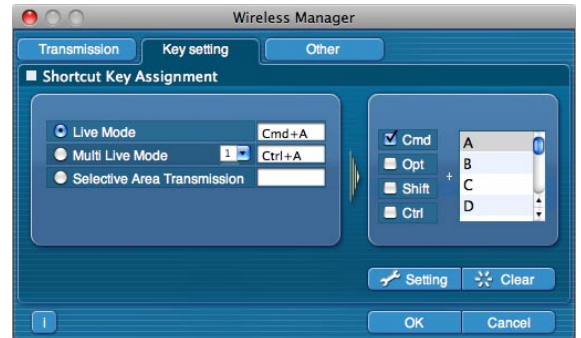
If you leave your PC unattended, note that a password-protected screensaver will be disabled, if [Disable screensaver] option is enabled.

Setting options (cont.)

Key setting

You can set shortcut key combinations that let you control the Wireless Manager ME 5.5 functions by computer keyboard operations.

- 1 Select the mode or the function to be set for the shortcut key, and click it.**
- 2 Select one from [Cmd], [Opt], [Shift] and [Ctrl]. (Multiple selections can be made)**
- 3 Select the alphabet letter to use with the key set in step 2 from the alphabet letter list.**
- 4 Click [Setting].**
The shortcut key set in step 2 - 3 appears in the blank space.
If click [Clear], the shortcut settings are canceled.



Note

In Live Mode and Multi Live Mode, the shortcut key switches the mode without stopping Live Mode.

Setting options (cont.)

Other

■ Setting Favorites

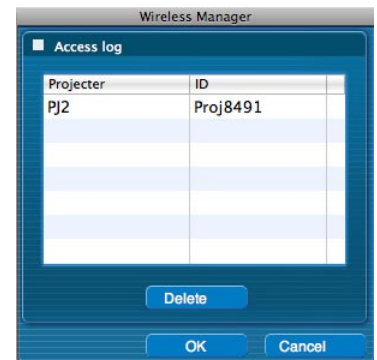
It is possible to assign a different name to connected projectors.
When connected, a field is displayed at the bottom of the <Projector Search> window.

■ Automatic connection setting

You can perform automatic settings for newly connected projectors.



- If the [Make an automatic connection] box is checked and a projector is registered as a destination for automatic connection when Wireless Manager ME 5.5 is started, <Projector Search> window does not appear and connection is performed automatically.
- When using “Make an automatic connection”, be sure to check that the specified projector name is displayed in the blank column.
- When [Setting] is clicked, <Access Log> window appears and you can select projector(s) for automatic connections.
Up to 10 projectors may be displayed in the order of most recent connection history.
When it is desired to remove a projector from the display list, select it and press the [DELETE] → [OK] button.



■ User settings

- User name
When [Setting] is clicked, the <User name setting> window to the right appears.
Set the icon and user name shown in the <Projector Search> window ([S-MAP], [1-4/U] or [PC Search]).

Note

Enter the user name in up to 8 alphanumerics.



- Favorites Button
Assign whichever function you like to a specific launcher button. (See page 28)

	: [Select Access Port]		: [WEB control]
	: [Option]		: [AV Mute]
	: [Selective Area Transmission]		: [Virtual remote control]
	: None		

- Adaptors
Set the adaptor that is used normally. (Wireless/wired LAN adaptor).

Version information

The version information of Wireless Manager ME 5.5 is displayed when on the <Option> window is clicked.

Glossary

Category	Item	Descriptions	Page
Common Setting of connections	LAN	Abbreviation for Local Area Network. This is a network with a relatively narrow range such as inside a company.	10
	Access point	These are stations for relaying electromagnetic signals between computers in a wireless LAN. When a computer is connected to an access point, it can communicate through the network connected to the access point.	22
	MAC address	Each wireless LAN adapter has its own ID No. A discrete ID No. is assigned to each and every wireless LAN adapter around the world. These IDs are used to exchange data between adapters. These IDs are a combination of a discrete number managed and assigned by the IEEE to each individual manufacturer and a unique number assigned to each individual card by the manufacturer.	22
	IP address	Internet Protocol (IP) is a protocol for distributing data, and the address corresponding to the data distribution destination is called the IP address. The same IP address cannot be used within the same LAN.	25
	Domain Name	The identifier that corresponds to the location to which data is delivered by the network. It is an alias name consisting of alphabet, numbers, and symbols that replace the more difficult to use enumerated IP address.	25

Glossary (cont.)

Category	Item	Descriptions	Page
Advanced setting of connection	INFRASTRUCTURE (infrastructure mode)	This is the mode in which communications are performed via the access point.	22
	WEP	Abbreviation for Wired Equivalent Privacy. This is a method for encrypting communication data. The encryption key is created and notified only to the communicating user, so the communication data cannot be decrypted by a third party.	15
	AES	Next generation standard cryptography standardized by the National Institute of Standards and Technology (NIST). AES: Advanced Encryption Standard	15

Frequently Asked Questions

Check the following points once more before requesting repair.

No wireless connection can be made between my projector and my computer.
<ul style="list-style-type: none">• Is Wireless Manager ME 5.5 running? Wireless Manager ME 5.5 must be started in the computer in order to enable wireless transmissions of images to the projector.• <When the user does not have the [Admin (administrator) authority]> When the user does not have the [Admin (administrator)] authority, the [Admin (administrator)]'s name and password are required to make network settings.• <Network setting error> When connecting with Network number [U (user)], make sure whether wireless menu setting of the projector is correct or not.• <When the firewall is [ON]> Stop the firewall, and then start Wireless Manager ME 5.5.
The projector and the computer cannot be connected through the wireless or wired LAN.
<ul style="list-style-type: none">• Power off the projector, wait for the cooling fan to stop operating (after the power monitor on the projector changes from orange to red), power the projector back on, and then start the connection procedure from the launcher once again. (See page 13 or 23)
I get dropped from the network.
<ul style="list-style-type: none">• Did the projector enter [Sleep] mode? If the projector goes to [Sleep] and is disconnected from the network, quit and restart Wireless Manager ME 5.5.• Did you connect to the network via an Easy Wireless Set Up (Network [1], [2], [3], [4], [S-MAP] or [PC Search]), use Wireless Manager ME 5.5 and then quit the application? The projector can be disconnected from the network if you connect via an Easy Wireless Set Up ([1], [2], [3] or [4]), use Wireless Manager ME 5.5 and then quit the application. Set up your wireless LAN again.
I cannot connect to the network via an Easy Wireless Set Up.
<ul style="list-style-type: none">• <[1] to [4] or [U (user)] cannot be selected in access point searches despite selecting [Wireless LAN].> Is Wireless Manager ME 5.5 installed in the [Applications] folder? For an Easy Wireless Set Up, Wireless Manager ME 5.5 must be installed in the [Applications] folder (./Applications).
I cannot lower the display brightness.
<ul style="list-style-type: none">• Is a checkmark placed in the [Disable Screen Saver] checkbox? The brightness of the built-in display cannot be lowered if a checkmark appears in the [Disable Screen Saver] checkbox of the <Option> window of Wireless Manager ME 5.5.
Sound is not output from the projector.
<ul style="list-style-type: none">• After installing the software, always reboot the system.• Sound is not output if the driver has been uninstalled.• If you are using Mac OS X v10.5 and are logged in to a "normal" user account, sound output will not be available.• If sound is not output from the internal speakers after you quit Wireless Manager ME 5.5, make sure that [Internal Speakers] is selected in [Output] of [Sound] in [System Preferences]. If it is not selected, manually switch to [Internal Speakers].
Sound is not output from the computer.
<ul style="list-style-type: none">• If sound is not output from the internal speakers, quit Wireless Manager ME 5.5, and then make sure that [Internal Speakers] is selected in [Output] of [Sound] in [System Preferences]. If it is not selected, manually switch to [Internal Speakers].

Frequently Asked Questions (cont.)

The connection to the wireless LAN or wired LAN is lost.
<ul style="list-style-type: none">• If the live mode is canceled or the connection is lost, start the reconnection procedure from the menu. If it is still not possible to establish a connection to the LAN, power off the projector, wait for the cooling fan to stop operating (after the power monitor on the projector changes from orange to red), power the projector back on, and then start the connection procedure from the menu once again. (See pages 13, 23)
The connection cannot be established with IEEE802.11 g / IEEE802.11 n.
<ul style="list-style-type: none">• In environments with wireless LAN adapters that support both IEEE802.11b and 802.11g, the connection may be established via 802.11b.• In some operating environments, the connection may be established via 802.11b, depending on the location, radio signal conditions, distance, or other factors.• Some wireless LAN adapters only support AD HOC connections via IEEE802.11b.• IEEE802.11n can be used only when the wireless module (Part No.: ET-WM200) and infrastructure connection (with access point for 802.11n) are used. The wireless module can be used on only a certain models of the projectors. For details, see “Applicable projector model list” in our website (http://panasonic.net/avc/projector/). When the CD-ROM of this software is supplied with the accessories of the projector, refer to “list of compatible projector models” (file name: [MANUALS] → [Pjlist] → [* .pdf], or [WirelessManager] → [WMOperatingInstruction] → [pjlist-*.pdf]).
The transfer rate is slow.
<ul style="list-style-type: none">• The transfer rate may be slower in some operating environments (depending on such factors as the location, radio signal conditions or distance).• Avoid placing metal objects or other conductors near the wireless LAN antenna of a computer, otherwise the transfer rate may be slower.• When WEP is set the image data is converted, so transfer takes time.
Image display is slow or animation is not displayed smoothly.
<ul style="list-style-type: none">• Is the computer CPU speed slow? (See page 11) Live mode depends largely upon the computer CPU performance.• Adverse effects may be exerted if there is any wireless communication in the vicinity.• When [Resolution] is set to [High Definition] in the <Option> window (See page 42), it may take longer time to display images.• The speed may be slower when any other applications are running concurrently.
Live start fails.
<p>When a computer is equipped with graphics automatic switch function, live start may fail if “graphics automatic switch” of “energy saving” in “system environment settings” is enabled. If live start fails, then use after disabling this function.</p>

Frequently Asked Questions (cont.)

There is a time lag between operations at the computer and results in the projected image.
<ul style="list-style-type: none">• Wireless Manager ME 5.5 reads the screen, compresses the data and transmits it to the projector. In the projector, the received data are extracted and then projected. Some delays occur in this system, due to the processing time and factors in the wireless environment. Different computers may also produce varying lag times.
The Wireless Manager ME 5.5 color display is strange and characters are difficult to read.
<ul style="list-style-type: none">• Check the [Colors] setting on the [Display] tab in [System Preferences]. Set [Colors] to [approx. 32000 Colors] or higher. The live mode cannot be projected when set to [256 Colors].
Making a wireless LAN connection while using the internet
<ul style="list-style-type: none">• If you have a wireless LAN environment which allows an internet connection, you can use both the Internet and wireless LAN connection at the same time by integrating a projector in this environment. (See page 22)• If you have a wired internet connection, this projector allows wireless use simultaneously with a wired connection to the internet.
The WEB control window does not appear.
<ul style="list-style-type: none">• Manually release the proxy settings of the WebBrowser used.

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