

Projector Network Setup Software Operation Guide

Thank you for purchasing this Panasonic product.

This document explains how to operate the projector network configuration software.

■ Introduction

This software allows you to simultaneously configure administrator accounts, network information such as IP addresses, and device names for multiple projectors, media processors, and media processor boards manufactured by Panasonic Projector & Display Corporation (hereinafter referred to as “devices”) that are connected to the same network.

It also allows you to change already configured administrator accounts.

* Media processor and media processor board manufactured by Panasonic Projector & Display Corporation are both hereinafter referred to as “media processor” in this manual.

S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
DL4210001	48:80:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	Common	Set Up		
DA4220001	B8:20:8E:64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	Common	Set Up		

■ Things to Prepare

- A computer with a LAN port on which Microsoft Windows® 11, or Microsoft Windows® 10 is installed
- A LAN cable (straight or cross)
Check with your network administrator regarding usability of straight or cross cables, or both, as this will differ according to your system configuration. The devices determine the cable type (straight or cross) automatically.
- Projector network setup software (this software “ProjectorNetworkSetupSoftware.exe”)

■ Preparation

1. **Place the ProjectorNetworkSetupSoftware.exe file in any convenient location on your computer.**
 - This software does not require installation. Directly launch and operate the executable file.
2. **Connect the computer to the network or device using a LAN cable.**
3. **Put each projector to be configured into standby mode, or turn it on and put it into projection mode.**
Turn on each media processor to be configured.
 - For projectors for that have a [PROJECTOR SETUP] menu which includes the [STANDBY MODE] option, if the [STANDBY MODE] is set to [ECO], the administrator account, network information such as IP address, and the projector name cannot be set using this software while the projector is on standby. To set the administrator account, network information such as the IP address, and projector name in standby mode, first set the [STANDBY MODE] to [NORMAL] by using the menu.
 - To supply power to an installed media processor board while the projector is in standby mode, select [SLOT SETTING] from the [PROJECTOR SETUP] menu of the projector and then set [SLOT STANDBY] to [ENABLE] in advance. When [SLOT STANDBY] is set to [ENABLE], power is supplied to the board even while the projector is in standby mode. When it is set to [DISABLE], the supply of power to the board stops while the projector is in standby mode.

■ How to Use

How to operate this software differs between when changing the settings of a projector and when changing the settings of a media processor.

When configuring a projector: "Operating Procedure" on ➡ page 3

When configuring a media processor: "Operating Procedure" on ➡ page 10

When Configuring a Projector

■ Operating Procedure

This software sets the administrator account, network information, and projector name for one or more projectors that are connected via LAN and displayed in the list. The maximum number of devices that can be simultaneously configured is 256. Settings can be made using either of two methods.

- A) Entering configuration information into this software ➡ page 3
- B) Reading previously created configuration information and applying it to projector(s) ➡ page 7

A) Entering configuration information into this software

1. Launch this software (ProjectorNetworkSetupSoftware.exe).

- The following screen appears.

The screenshot shows the 'Projector Network Setup Software' window. At the top, there is a 'Network' dropdown menu showing '192.168.0.199 / 255.255.255.0', a 'Search' button, and 'Move Up' and 'Move Down' buttons. Below this is a table with columns: S/N, MAC Address, Model, Name, DHCP, IP Address, Subnet, Account, Status, and Note. The table is currently empty. The bottom section is divided into three main areas: 'Individual Settings' with fields for IP Address, Name, and Note; 'Subnet Settings (Common)' with a 'DHCP' toggle set to 'OFF', and fields for Subnet mask (255.255.255.0), Default Gateway, DNS1, and DNS2; and 'Account Settings' with 'Current' and 'New' sections, each containing 'User name' and 'Password' fields. There is a 'Change account settings' checkbox. At the bottom right is an 'Apply' button. On the bottom left, there are buttons for 'Export', 'Import', 'Convert (MMCS)', and 'About'. In the center bottom, there are buttons for 'LED', 'Power On', 'Test Pattern', and 'Standby'.

2. From the [Network] pull-down menu, select the network to which the computer is connected.

This screenshot is identical to the previous one, but the 'Network' dropdown menu is highlighted with a red rectangle, indicating the step to select the correct network.

3. Click the [Search] button.

- Projectors on the network are located and detected projectors are displayed in the list.
- The maximum number of devices that can be displayed as search results is 2048.
- This search only finds projectors that use IPv4 addresses. Projectors that use only IPv6 addresses cannot be found or configured.

Projector Network Setup Software

Network: 192.168.0.199 / 255.255.255.0

Search Move Up Move Down

S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
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Individual Settings: IP Address, Name, Note

Subnet Settings (Common): DHCP (OFF), Subnet mask (255.255.255.0), Default Gateway, DNS1, DNS2

Account Settings: Current (User name, Password), New (User name, Password, Password (Confirm)), Change account settings

File: Export, Import, Convert (MMCS), About

Confirmation: LED, Power On, Test Pattern, Standby

Apply

4. Place check marks in the check boxes of the projectors to be configured.

- Place check marks in the check boxes on the rows containing the projectors to which settings are to be applied from the search results displayed in the list.
- Placing a check mark in the check box on the title row at the very top places check marks on all rows, and removing it clears the check marks from all rows.

Projector Network Setup Software

Network: 192.168.0.199 / 255.255.255.0

Search Move Up Move Down

<input checked="" type="checkbox"/>	S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
<input checked="" type="checkbox"/>	DL4210001	48:B0:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	Common	Set Up	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	DA4220001	88:20:8E:64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	Common	Set Up	<input checked="" type="checkbox"/>	

Individual Settings: IP Address (192.168.0.13), Name (NAME9116), Note

Subnet Settings (Common): DHCP (OFF), Subnet mask (255.255.255.0), Default Gateway (192.168.0.1), DNS1, DNS2

Account Settings: Current (User name, Password), New (User name, Password, Password (Confirm)), Change account settings

File: Export, Import, Convert (MMCS), About

Confirmation: LED, Power On, Test Pattern, Standby

Apply

5. Click to select the row of a projector for which to configure the administrator account and network information from the projectors in which you placed check marks in the check boxes in the previous step.

6. Enter the administrator account information for the selected projector.

- The subsequent operation differs depending on whether an administrator account is set for the projector.
 - [Not Set Up] is displayed under [Account] for projectors that do not have an administrator account.
In this case, go to "(a) When an administrator account has not been set up".
 - [Set Up] is displayed under [Account] for projectors that do have an administrator account.
In this case, go to "(b) When an administrator account has been set up".
- To configure the network information and projector name, you first must set up an administrator account. To prevent malicious third parties from modifying network information, please restrict access by user name and password.
- For information on the characters and maximum number of characters that can be used for administrator account settings, see "Characters and maximum number of characters allowed in administrator account settings" (➔ page 17).

(a) When an administrator account has not been set up

Enter the user name and password to be used for the administrator account in the [User name], [Password], and [Password (Confirm)] fields in [New] of [Account Settings].

The screenshot shows the 'Account Settings' window. It has two main sections: 'Current' and 'New'. The 'Current' section has fields for 'User name' and 'Password'. The 'New' section has fields for 'User name', 'Password', and 'Password (Confirm)'. The 'New' section is highlighted with a red rectangular box.

(b) When an administrator account has been set up

Enter the user name and password of the administrator account set for the selected projector in the [User name] and [Password] fields in [Current] of [Account settings].

The screenshot shows the 'Account Settings' window. It has two main sections: 'Current' and 'New'. The 'Current' section has fields for 'User name' and 'Password'. The 'New' section has fields for 'User name', 'Password', and 'Password (Confirm)'. The 'Current' section is highlighted with a red rectangular box. Below the 'Current' section, there is a checkbox labeled 'Change account settings' which is currently unchecked.

When changing the administrator account information

Place a check mark in the [Change account settings] check box.

The setting items in [New] of [Account Settings] for the new administrator account information become able to be entered.

Enter the new user name and password in the [User name], [Password], and [Password (Confirm)] fields.

The diagram shows two screenshots of the 'Account Settings' window connected by a large black arrow pointing from left to right. In the left screenshot, the 'Current' section is highlighted with a red box, and the 'Change account settings' checkbox is unchecked. In the right screenshot, the 'Change account settings' checkbox is checked, and the 'New' section is highlighted with a red box, indicating that the fields for the new administrator account are now active for input.

7. Enter the network information for the selected projector.

- See “Parameters You Can Set” (➡ page 17) for details on settings that can be made using this software.
- IP addresses can also be assigned automatically. If the [IP Address] field is left blank or filled with “*”, an available IP address is assigned automatically. For details, see “Automatic IP address assignment” (➡ page 18).
- If [DHCP] of [Subnet Settings (Common)] is ON, [Subnet mask], [Default Gateway], [DNS1], and [DNS2] in [Subnet Settings (Common)] and [IP Address] in [Individual Settings] are displayed grayed out and cannot be set. To specify an IP address manually, remove the check mark from the check box to set [DHCP] to OFF, and then enter each setting item.
- If you want to change the IP address setting, edit the [IP Address] field in [Individual Settings]. When you update the information in [IP Address], [Edited] appears under the [Status] column of the projector list. Edit [Subnet mask], [Default Gateway], [DNS1], and [DNS2] in [Subnet Settings (Common)] as required.

8. Click the [Apply] button.

- The set information is reflected in the projectors with check marks placed in check boxes in the list. The display under the [Status] column of the list changes to [OK] for projectors in which the settings were reflected. The display under [Account] changes to [Set Up] for projectors that do not have an administrator account.
- This operation overwrites the network configuration information of all projectors with check marks placed in check boxes in the list. For projectors that you do not want to overwrite, first make sure that check marks are not placed in check boxes in the list.

Notice

- The function to change already set up administrator account information can be executed only for projectors that support this function. If executed for projectors that do not support it, [Unknown error] appears under [Status] and the settings are not reflected.
- When configuring account information that is not configured or changing already configured administrator account and network information for multiple projectors, repeat steps 5 through 7 for each projector.
- The software does not have a redo function. If you accidentally overwrite the network settings, please set them again.
- If you need to verify the location of the currently selected projector, click the [LED] button. This causes the power indicator <ON(G)/STANDBY(R)> on the corresponding projector to flash for 5 seconds. If you cannot locate a projector by its flashing power indicator (such as when the projector is installed in a high location), operate the [Power On] button, [Test Pattern] button, and [Standby] button to check initiation of projection and test pattern display. Furthermore, to operate the [Confirmation] button, you need to have entered the administrator account information in [Current] of [Account Settings].

S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
DL4210001	48:80:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	Common	Set Up		
DA4220001	B8-20:8E-64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	Common	Set Up	Edited	

B) Reading previously created configuration information and applying it to projector(s)

1. Launch this software (ProjectorNetworkSetupSoftware.exe).

- The following screen appears.

2. From the [Network] pull-down menu, select the network to which the computer is connected.

3. Click [Search].

- Projectors on the network are located and detected projectors are displayed in the list.
- The maximum number of devices that can be displayed as search results is 2048.
- This search only finds projectors that use IPv4 addresses. Projectors that use only IPv6 addresses cannot be found or configured.
- You can also export an editable CSV file containing only parameter names. In that case, do not perform the operation in step 3, but go to step 4.

4. Click [Export].

- A file in CSV format is generated on the computer desktop listing projectors that are included in the list. The file name consists of "PNSS" and the date and time the file was created.
(Example: PNSS20250701000000.csv)
- If you click [Export] while no projector is displayed in the list, an editable CSV file containing only the parameter names is exported for editing.
- For items applicable to a media processor that do not require entry on the projector, the "Edit Locked" text string is entered automatically.

5. Edit the CSV file using Excel or a similar spreadsheet software or editor.

- Enter the network information (IP address, etc.) to be set for the projector, the user name and password set for the projector's administrator account, and other device information such as the serial number. For details on items that can be entered, see "About CSV Files" (➡ page 18).
- Do not edit the "Edit Locked" text string that is entered automatically during exporting.
- For projectors that have not been configured with an administrator account, also be sure to enter the user name and password for the administrator account. In the list, [Not Set Up] is displayed under [Account] for projectors which an administrator account has not been set.
- If the user name specified for the administrator account contains characters that cannot be used or exceeds the maximum number of characters, it is regarded as a format error upon import into the projector and [Format error] is displayed under [Status]. For details on items that can be entered, see "About CSV Files" (➡ page 18).
- You can choose to leave the IP address blank. If no IP address is entered, a free IP address in the currently connected network is assigned automatically. For details, see "Automatic IP address assignment" (➡ page 18).

S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
DL421000	48:80:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	255.255.255.0	Imported	Set Up	Found
DL422000	B8:20:8E:64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	255.255.255.0	Imported	Entered	Found

6. Click the [Import] button and select the edited CSV file.

- The CSV file can also be imported without clicking the [Import] button by dragging and dropping the file into the list.
- If a projector listed in the CSV file is detected in the currently selected network, [Found] is displayed under [Status]. [Not Found] is displayed for any projectors that are not detected.
- If you set up a new administrator account by importing a CSV file, the contents are reflected in the [User name] and [Password] fields in [New] of [Account Settings], and the display under [Account] changes to [Entered], enabling entry of information such as IP addresses.

Projector Network Setup Software

Network: 192.168.0.199 / 255.255.255.0

Search [] Move Up [] Move Down []

S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
DL4210001	48:80:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	255.255.255.0	Imported	Set Up	Found
DL4220001	B8:20:8E:64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	255.255.255.0	Imported	Entered	Found

Individual Settings

IP Address: 192.168.0.13

Name: NAME9116

Note: []

Subnet Settings (Imported)

DHCP: OFF

Subnet mask: 255.255.255.0

Default Gateway: 192.168.0.1

DNS1: []

DNS2: []

Account Settings

Current

User name: []

Password: []

New

User name: dispadmin1

Password: []

Password (Confirm): []

File

Export [] Import [] Convert (MMCS) []

Confirmation

LED [] Power On [] Test Pattern [] Standby []

Apply []

7. Select the projector to which settings are to be applied in the list.

8. Click the [Apply] button.

- The contents of the CSV file are reflected in the selected projector, the [Status] display changes to [OK] and the [Account] display will change to [Set Up].

Notice

- The software does not have a redo function. If you accidentally overwrite the network settings, please set them again.

When Configuring a Media Processor

■ Operating Procedure

This software sets the administrator account, network information, and media processor name for one or more media processors that are connected via LAN and displayed in the list. The maximum number of devices that can be simultaneously configured is 256.

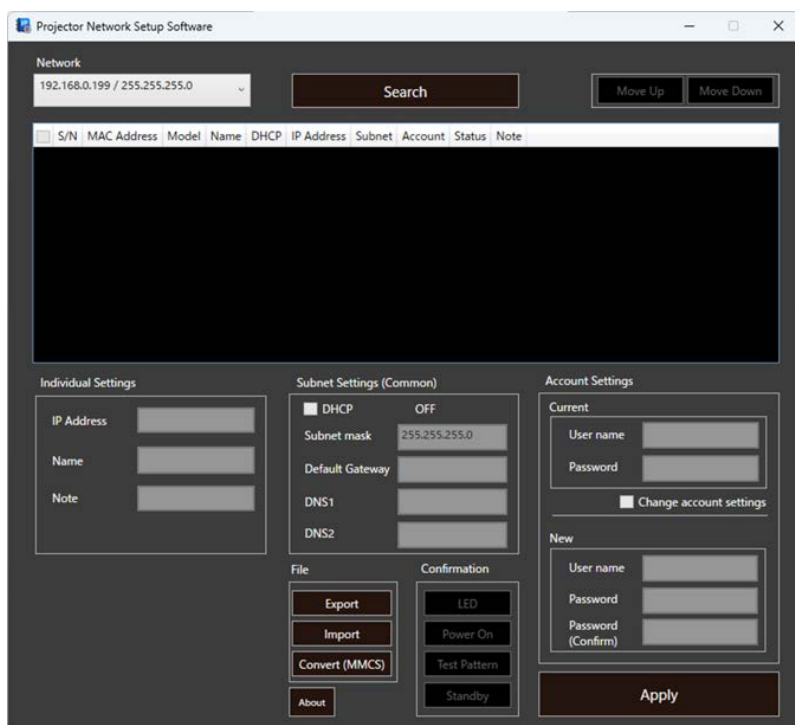
Settings can be made using either of two methods.

- A) Entering configuration information into this software ➡ page 10
- B) Reading previously created configuration information and applying it to media processor(s) ➡ page 14

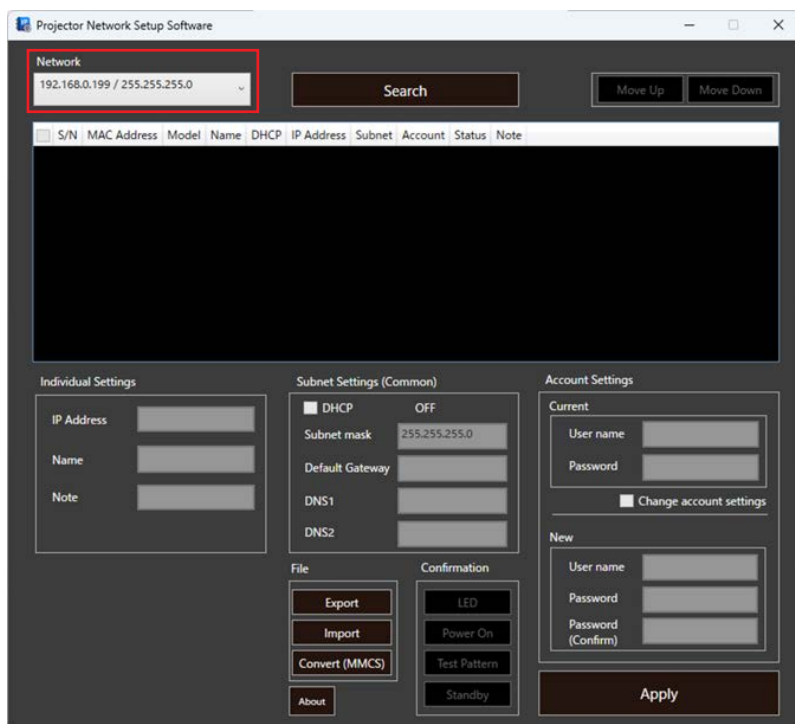
A) Entering configuration information into this software

1. Launch this software (ProjectorNetworkSetupSoftware.exe).

- The following screen appears.



2. From the [Network] pull-down menu, select the network to which the computer is connected.



3. Click the [Search] button.

- Media processors on the network are located and detected media processors are displayed in the list.
- The maximum number of devices that can be displayed as search results is 2048.

The screenshot shows the 'Projector Network Setup Software' window. At the top, there is a 'Network' section with a dropdown menu showing '192.168.0.199 / 255.255.255.0'. To the right of this is a 'Search' button, which is highlighted with a red rectangular box. Further right are 'Move Up' and 'Move Down' buttons. Below the network section is a large table with columns: S/N, MAC Address, Model, Name, DHCP, IP Address, Subnet, Account, Status, and Note. The table is currently empty. Below the table are three main sections: 'Individual Settings' (with fields for IP Address, Name, and Note), 'Subnet Settings (Common)' (with fields for DHCP, Subnet mask, Default Gateway, DNS1, and DNS2), and 'Account Settings' (with 'Current' and 'New' account configuration sections). At the bottom, there are buttons for 'Export', 'Import', 'Convert (MMCS)', 'About', 'LED', 'Power On', 'Test Pattern', 'Standby', and a large 'Apply' button.

4. Place check marks in the check boxes of the media processors to be configured.

- Place check marks in the check boxes on the rows containing the media processors to which settings are to be applied from the search results displayed in the list.
- Placing a check mark in the check box on the title row at the very top places check marks on all rows, and removing it clears the check marks from all rows.

This screenshot shows the same software interface as the previous one, but now the table contains search results. The first column, 'S/N', has check marks in the first three rows. The table data is as follows:

S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
<input checked="" type="checkbox"/> DL4210001	48:80:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	Common	Set Up		
<input checked="" type="checkbox"/>					192.168.0.9				
<input checked="" type="checkbox"/>					192.168.0.10				
					192.168.0.11				
					192.168.0.12				
<input checked="" type="checkbox"/> DA4220001	B8:20:8E:64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	Common	Set Up		

The 'Individual Settings' section now shows values for the selected device: IP Address: 192.168.0.8, Name: NAME5236, and Output Mode: 4. The 'Subnet Settings (Common)' section shows: DHCP: OFF, Subnet mask: 255.255.255.0, Default Gateway: 192.168.0.1, and DNS1: (empty). The 'Account Settings' section remains empty. The 'Apply' button is still present at the bottom.

5. Click to select the row of a media processor for which to configure the administrator account and network information from the media processors in which you placed check marks in the check boxes in the previous step.

6. Enter the administrator account information for the selected media processor.

- The subsequent operation differs depending on whether an administrator account is set for the media processor.
 - [Not Set Up] is displayed under [Account] for media processors that do not have an administrator account.
In this case, go to "(a) When an administrator account has not been set up".
 - [Set Up] is displayed under [Account] for media processors that do have an administrator account.
In this case, go to "(b) When an administrator account has been set up".
- To configure the network information and media processor name, you first must set up an administrator account. To prevent malicious third parties from modifying network information, please restrict access by user name and password.
- For information on the characters and maximum number of characters that can be used for administrator account settings, see "Characters and maximum number of characters allowed in administrator account settings" (➔ page 17).

(a) When an administrator account has not been set up

Enter the user name and password to be used for the administrator account in the [User name], [Password], and [Password (Confirm)] fields in [New] of [Account Settings].

Account Settings

Current

User name

Password

New

User name

Password

Password (Confirm)

(b) When an administrator account has been set up

Enter the user name and password of the administrator account set for the selected media processor in the [User name] and [Password] fields in [Current] of [Account Settings].

Account Settings

Current

User name

Password

☐ Change account settings

New

User name

Password

Password (Confirm)

When changing the administrator account information

Place a check mark in the [Change account settings] check box.

The setting items in [New] of [Account Settings] for the new administrator account information become able to be entered.

Enter the new user name and password in the [User name], [Password], and [Password (Confirm)] fields.

Account Settings

Current

User name

Password

☐ Change account settings

New

User name

Password

Password (Confirm)

Account Settings

Current

User name

Password

☒ Change account settings

New

User name

Password

Password (Confirm)

7. Enter the network information for the selected media processor.

- See “Parameters You Can Set” (➡ page 17) for details on settings that can be made using this software.
- IP addresses can also be assigned automatically. If the [IP Address] field is left blank or filled with “*”, an available IP address is assigned automatically. For details, see “Automatic IP address assignment” (➡ page 18). When [Output Mode] is “4”, the IP addresses can be assigned automatically using the same method also for [Screen 1] to [Screen 4] of [Screen IP Address Settings].
- If [DHCP] of [Subnet Settings (Common)] is ON, [Subnet mask], [Default Gateway], and [DNS1] in [Subnet Settings (Common)], [IP Address] in [Individual Settings], and [Screen 1] to [Screen 4] in [Screen IP Address Settings] are displayed grayed out and cannot be set. Set [Screen 1] to [Screen 4] in [Screen IP Address Settings] manually from the web control screen of the media processor because they do not support the automatic assignment of IP addresses by DHCP. To specify an IP address manually, remove the check mark from the check box to set [DHCP] to OFF, and then enter each setting item.
- If you want to change the IP address setting, edit the [IP Address] field in [Individual Settings]. When you update the information in [IP Address], [Edited] appears under the [Status] column of the media processor list. Edit [Subnet mask], [Default Gateway] and [DNS1] in [Subnet Settings (Common)] as required. When [Output Mode] is “4”, editing in the same way is also possible for [Screen 1] to [Screen 4] in [Screen IP Address Settings].

8. Click the [Apply] button.

- The set information is reflected in the media processors with check marks placed in check boxes in the list. The display under the [Status] column of the list changes to [OK] for media processors in which the settings were reflected. The display under [Account] changes to [Set Up] for media processors that do not have an administrator account.
- This operation overwrites the network configuration information of all media processors with check marks placed in check boxes in the list. For media processors that you do not want to overwrite, first make sure that check marks are not placed in check boxes in the list.

Notice

- The function to change already set up administrator account information can be executed only for media processors that support this function. If executed for media processors that do not support it, [Unknown error] appears under [Status] and the settings are not reflected.
- When configuring account information that is not configured or changing already configured administrator account and network information for multiple media processors, repeat steps 5 through 7 for each media processor.
- The software does not have a redo function. If you accidentally overwrite the network settings, please set them again.

B) Reading previously created configuration information and applying it to media processor(s)

1. Launch this software (ProjectorNetworkSetupSoftware.exe).

- The following screen appears.

The screenshot shows the 'Projector Network Setup Software' window. At the top, there is a 'Network' dropdown menu showing '192.168.0.199 / 255.255.255.0', a 'Search' button, and 'Move Up' and 'Move Down' buttons. Below this is a table with columns: S/N, MAC Address, Model, Name, DHCP, IP Address, Subnet, Account, Status, and Note. The table is currently empty. Below the table are three main sections: 'Individual Settings' with fields for IP Address, Name, and Note; 'Subnet Settings (Common)' with a DHCP toggle (OFF), Subnet mask (255.255.255.0), Default Gateway, DNS1, and DNS2; and 'Account Settings' with 'Current' and 'New' user name and password fields, and a 'Change account settings' checkbox. At the bottom, there are 'File' buttons (Export, Import, Convert (MMCS), About) and 'Confirmation' buttons (LED, Power On, Test Pattern, Standby), along with an 'Apply' button.

2. From the [Network] pull-down menu, select the network to which the computer is connected.

This screenshot is identical to the previous one, but the 'Network' dropdown menu is highlighted with a red rectangle, indicating the step to select the correct network.

3. Click [Search].

- Media processors on the network are located and detected media processors are displayed in the list.
- The maximum number of devices that can be displayed as search results is 2048.
- You can also export an editable CSV file containing only parameter names. In that case, do not perform the operation in step 3, but go to step 4.

4. Click [Export].

- A file in CSV format is generated on the computer desktop listing media processors that are included in the list. The file name consists of “PNSS” and the date and time the file was created.
(Example: PNSS20250701000000.csv)
- If you click [Export] while no media processor is displayed in the list, an editable CSV file containing only the parameter names is exported for editing.
- For items that do not need to be entered on the target media processor, the “Edit Locked” text string is entered automatically.

5. Edit the CSV file using Excel or a similar spreadsheet software or editor.

- Enter the network information (IP address, etc.) to be set for the media processor, the user name and password set for the media processors administrator account, and other device information such as the serial number. For details on items that can be entered, see “About CSV Files” (➡ page 18).
- Do not edit the "Edit Locked" text string that is entered automatically during exporting.
- For media processors that have not been configured with an administrator account, also be sure to enter the user name and password for the administrator account. In the list, [Not Set Up] is displayed under [Account] for media processors which an administrator account has not been set.
- If the user name specified for the administrator account contains characters that cannot be used or exceeds the maximum number of characters, it is regarded as a format error upon import into the media processor and [Format error] is displayed under [Status]. For details on items that can be entered, see “About CSV Files” (➡ page 18).
- You can choose to leave the IP address blank. If no IP address is entered, a free IP address in the currently connected network is assigned automatically. For details, see “Automatic IP address assignment” (➡ page 18).

AutoSave

On

6. Click the [Import] button and select the edited CSV file.

- The CSV file can also be imported without clicking the [Import] button by dragging and dropping the file into the list.
- If a media processor listed in the CSV file is detected in the currently selected network, [Found] is displayed under [Status]. [Not Found] is displayed for any media processors that are not detected.
- If you set up a new administrator account by importing a CSV file, the contents are reflected in the [User name] and [Password] fields in [New] of [Account Settings], and the display under [Account] changes to [Entered], enabling entry of information such as IP addresses.

Projector Network Setup Software

Network

192.168.0.199 / 255.255.255.0

Search

Move Up Move Down

✓ S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
DLA210001	48:80:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	Imported	Entered	Found	
✓					192.168.0.9 192.168.0.10 192.168.0.11 192.168.0.12				
✓ DA4220001	B8:20:8E:64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	Imported	Set Up	Found	

Individual Settings

IP Address: 192.168.0.8

Name: NAME5236

Note:

Output Mode: 4

Subnet Settings (Imported)

DHCP: OFF

Subnet mask: 255.255.255.0

Default Gateway: 192.168.0.1

DNS1:

Account Settings

Current

User name:

Password:

New

User name: dispadmin2

Password: [Masked]

Password (Confirm): [Masked]

Screen IP Address Settings

Screen 1: 192.168.0.9

Screen 2: 192.168.0.10

Screen 3: 192.168.0.11

Screen 4: 192.168.0.12

File

Export

Import

Convert (MMCS)

About

Apply

7. Select the media processor to which settings are to be applied in the list.

8. Click the [Apply] button.

- The contents of the CSV file are reflected in the selected media processor, the [Status] display changes to [OK] and the [Account] display will change to [Set Up].

Notice

- The software does not have a redo function. If you accidentally overwrite the network settings, please set them again.

When Configuring a Projector

When Configuring a Media Processor

■ Parameters You Can Set

Using this software, you can set the following parameters.

✓: Supported (Blank): Not supported

Parameter	Entry type	Contents	Device to connect	
			Projector	Media processor
IP Address	Individual	Sets the IP address (IPv4).	✓	✓
Name	Individual	Sets the projector name.	✓	
Output Mode	Individual	Specifies the output mode (1 or 4) of the media processor.		✓ *1
Screen IP Address Settings	Individual	If [Output Mode] is set to "4", set the IP addresses to assign to the output destination screens ([Screen 1] to [Screen 4]).		✓ *1
DHCP	Common	Enables or disables DHCP. If a check mark is placed in the check box, the setting information of [IP Address], [Subnet mask], [Default Gateway], [DNS1], and [DNS2]*2 is obtained automatically.	✓	✓
Subnet mask	Common	Sets the subnet mask.	✓	✓
Default Gateway	Common	Sets the IP address of the default gateway. Network connection is possible even if this parameter is not set.	✓	✓
DNS1	Common	Sets the IP address of the primary DNS server. Network connection is possible even if this parameter is not set.	✓	✓
DNS2	Common	Sets the IP address of the alternate DNS server. Network connection is possible even if this parameter is not set.	✓	
User name	Individual	Sets the user name of the administrator account.	✓	✓
Password	Individual	Sets the password of the administrator account.	✓	✓

Individual: Values entered into each row of the list are applied individually to each device.

Common: The same common value is applied to all devices appearing in the list.

*1 This is not applicable to a media processor board.

*2 This is not applicable to a media processor.

Characters and maximum number of characters allowed in administrator account settings

The characters and maximum number of characters allowed in the user name and password for the administrator account are as follows.

User name: Up to 16 alphanumeric symbols excluding ":".

Password: Up to 16 alphanumeric characters and symbols

Characters and number of characters allowed in the projector name

The characters and number of characters allowed in the projector name are as follows.

Alphabet: A to Z, a to z

Lower-case letters can be used to set the projector name only if the projector name previously included lower-case letters.

Numerals: 0 to 9

Symbols: "-", "."

Number of characters:

1 to 8 single-byte characters

However, if the projector already had a name of 9 or more characters before setting, the maximum number of characters is that number of characters.

Automatic IP address assignment

When making or importing network settings, if an IP address field is left blank or contains an asterisk, an IP address is assigned automatically from available addresses within the subnet range excluding the specified default gateway and DNS addresses. If a media processor is selected and [Output Mode] is set to "4", the IP addresses of [Screen 1] to [Screen 4] can also be assigned automatically in the same way.

The table below shows a typical network configuration for a computer on which this software is used.

Setting item	Projector	Media processor
IP address	192.168.10.20	192.168.10.20
Subnet mask	255.255.255.0	255.255.255.0
Default gateway	192.168.10.1	192.168.10.1
DNS1	192.168.10.2	192.168.10.2
DNS2	192.168.10.3	(Unset)

When you apply a value from the "IP address entry example" column of the following table from the computer on which this software is being used by entering it into the network settings or importing it from a CSV file, an address will be assigned automatically as indicated in the "Automatically assigned IP address" column. Note that the asterisk must always be the last character in the entered string. If it is included in the middle of a string, characters following the asterisk are ignored.

IP address input example	Automatically assigned IP address	
	Projector	Media processor
Blank	Any available IP address from 192.168.10.4	Any available IP address from 192.168.10.3
*	Any available IP address from 192.168.10.4	Any available IP address from 192.168.10.3
192.*	Any available IP address from 192.168.10.4	Any available IP address from 192.168.10.3
192.168.10.1*	Any available IP address from 192.168.10.10	
192.168.10.2*	Any available IP address from 192.168.10.21 (excluding the IP address "192.168.10.20" of the computer on which you are using the software)	
192.168.10.10*	Any available IP address from 192.168.10.100	

Notice

- If there are no available IP addresses, a warning is displayed and automatic assignment is not performed.

About CSV Files

The exported CSV file contains information such as serial numbers and IP addresses that are required for network configuration.

Example of CSV file:

S/N(M),MAC Address(O),Model(O),Name(O),DHCP(O),IP Address(R),Subnet mask(O),Default Gateway(O),DNS1(O),DNS2(O),Output Mode(M),S1 IP Address(M),S2 IP Address(M),S3 IP Address(M),S4 IP Address(M),Current User name(M),Current Password(M),New User name(M),New Password(M),Note(O)
SD0000001,00:00:00:00:00:01,PT-VMZ51,Name0001,OFF,192.168.10.101,255.255.255.0,192.168.10.1,192.168.10.1,,Edit Locked,Edit Locked,Edit Locked,Edit Locked,Edit Locked,admin1,panasonic,,
SD0000002,00:00:00:00:00:02,PT-VMZ51,Name0002,OFF,192.168.10.101,255.255.255.0,192.168.10.1,192.168.10.1,,Edit Locked,Edit Locked,Edit Locked,Edit Locked,Edit Locked,admin1,panasonic,,
SD0000003,00:00:00:00:00:03,ET-FMP50,Name0003,OFF,192.168.10.101,255.255.255.0,192.168.10.1,192.168.10.1,Edit Locked,4,192.168.10.1,192.168.10.2,192.168.10.3,192.168.10.4,admin1,panasonic,,
SD0000004,00:00:00:00:00:04,ET-FMP50,Name0004,OFF,192.168.10.101,255.255.255.0,192.168.10.1,192.168.10.1,Edit Locked,1,,,,,admin1,panasonic,,

The first line indicates the name of each parameter. If no devices appear in the list, a CSV file containing only the parameter names will be output. Do not delete the parameter names.

The letters M, R, and O to the right of each item name indicate the necessity for entry of each item. The meanings of these letters are indicated in the table below.

Letter	Necessity
M (Mandatory)	Entry is required. Entry of Current User name, Password, New User name, and Password may not be required depending on the configuration state of the administrator account. If a media processor is selected and "1" is entered in Output Mode, entry in S1 IP Address, S2 IP Address, S3 IP Address, and S4 IP Address is not required. Furthermore, entry is not required because Output Mode and S1 IP Address, S2 IP Address, S3 IP Address, and S4 IP Address cannot be configured due to the target media processor.
R (Recommended)	It may be filled in automatically, but manual entry may be required.
O (Optional)	Enter as required. Network connection is possible even if this parameter is not entered.

The second and following lines are each composed of the following parameters.

Parameter	Letter	Contents
S/N	M	Serial number of the target device.
MAC Address	O	MAC address of the target device. Network configuration is possible even without entering a [S/N] when a MAC address is entered.
Model	O	Model name of the target device. This item is not used for network configuration. If not entered, the model name of the device that matches the serial number or MAC address on the selected LAN is assigned.
Name	O	Name to be set for the target device. If not entered, the device name of the device whose serial number or MAC address matches the selected LAN is assigned.
DHCP	O	Specify whether [DHCP] for the target device is to be set [ON] or [OFF]. If not entered, this is treated the same as [OFF]. When set to ON, the [IP Address], [Subnet mask], [Default Gateway], [DNS1], and [DNS2]* ³ cannot be set.
IP Address	R	Enter the IP address (IPv4) to be set for the target device. When [DHCP] is set [OFF] and no IP address is entered, or when an IP address is specified using an asterisk, a valid, unique IP address within the selected LAN is assigned automatically.
Subnet mask	O	Enter the subnet mask to be set for the target device. If [DHCP] is [OFF] and the [Subnet mask] is not entered, the [Subnet mask] value in [Subnet Settings (Common)] will be used for applying network settings.
Default Gateway	O	Enter the IP address of the default gateway to be set for the target device. Network connection is possible even if this parameter is not set. If [DHCP] is set [ON], entry is not required.
DNS1	O	Enter the IP address of the primary DNS server. Network connection is possible even if this parameter is not set. If [DHCP] is set [ON], entry is not required.
DNS2	O	When configuring a projector: Enter the IP address of the alternate DNS server. Network connection is possible even if this parameter is not set. If [DHCP] is set [ON], entry is not required. When configuring a media processor: Do not edit the "Edit Locked" text string that is entered automatically during exporting because entry is not required.
Output Mode	M	When configuring a projector: Do not edit the "Edit Locked" text string that is entered automatically during exporting because entry is not required. When configuring a media processor: Specify the output mode (1 or 4) of the target media processor. Do not edit the "Edit Locked" text string that is entered automatically during exporting because the output mode cannot be configured due to the target media processor.
S1 IP Address	M	When configuring a projector: Do not edit the "Edit Locked" text string that is entered automatically during exporting because entry is not required. When configuring a media processor: Enter the IP address for Screen 1 of the target media processor. When [Output Mode] is set to [1], entry is not required. Do not edit the "Edit Locked" text string that is entered automatically during exporting because the IP address for Screen 1 cannot be configured due to the target media processor.
S2 IP Address	M	When configuring a projector: Do not edit the "Edit Locked" text string that is entered automatically during exporting because entry is not required. When configuring a media processor: Enter the IP address for Screen 2 of the target media processor. When [Output Mode] is set to [1], entry is not required. Do not edit the "Edit Locked" text string that is entered automatically during exporting because the IP address for Screen 2 cannot be configured due to the target media processor.
S3 IP Address	M	When configuring a projector: Do not edit the "Edit Locked" text string that is entered automatically during exporting because entry is not required. When configuring a media processor: Enter the IP address for Screen 3 of the target media processor. When [Output Mode] is set to [1], entry is not required. Do not edit the "Edit Locked" text string that is entered automatically during exporting because the IP address for Screen 3 cannot be configured due to the target media processor.
S4 IP Address	M	When configuring a projector: Do not edit the "Edit Locked" text string that is entered automatically during exporting because entry is not required. When configuring a media processor: Enter the IP address for Screen 4 of the target media processor. When [Output Mode] is set to [1], entry is not required. Do not edit the "Edit Locked" text string that is entered automatically during exporting because the IP address for Screen 4 cannot be configured due to the target media processor.

Parameter	Letter	Contents
Current User name	M * ¹	Enter the user name of the administrator account that was set for the target device. Entry is not required when an administrator account has not been set up.
Current Password	M * ¹	Enter the password for the administrator account that was set for the target device. Entry is not required when an administrator account has not been set up.
New User name	M * ²	If the administrator account has not been set up or if you want to change the set up administrator account for the target device, enter the user name of the administrator account to be configured. You can use up to 16 alphanumeric characters and symbols.
New Password	M * ²	If the administrator account has not been set up or if you want to change the set up administrator account for the target device, enter the password of the administrator account to be configured. You can use up to 16 alphanumeric characters and symbols.
Note	O	You can enter supplemental information about the target device or the like using single-byte alphanumeric characters and symbols. This information is not used for network configuration, but is displayed in the list of this software. While information exceeding 32 characters can be entered, the maximum number of characters displayed in the list is 32.

*1 Entry is not required when an administrator account has not been set up.

*2 Enter this when setting up an administrator account or when changing the already configured information.

*3 This is not applicable to a media processor.

Points to note about CSV files

- If the user name and password start with a symbol (e.g., @Panasonic), Excel may interpret the name as a function when you try to change the user name and password in Excel. In such case, edit the relevant cells using a text editor such as Notepad. All other cells of the CSV file can be changed using Excel.

Status

The following statuses are displayed under [Status] in the list. Device statuses other than [OK], [Edited], and [Found] are displayed in red letters.

Status	Description
OK* ¹	The device was located and its network settings have been successfully configured.
Edited* ¹	Editing of device settings has been completed.
Found	The device was found on the LAN.
Not found	The device was not found on the LAN.
Format error	Formatting error in the imported file.
IP Address overlapped* ¹	The LAN contains a duplicate IP address
Invalid IP Address* ¹	The IP address is invalid.
No unused IP Address* ¹	No IP addresses within the specified range are available for automatic assignment.
Invalid Current Account Settings	The administrator account information entered in [Current] of [Account Settings] does not match the administrator account information configured in the device.
Invalid New Account Settings	The administrator account information entered in [New] of [Account Settings] is invalid. (No user name was specified. The password and password for confirmation do not match.)
Operation not allowed	Network configuration failed due to concurrent operation of the network menu.
Unknown error	The device did not accept the network settings for some unknown reason.
Designated IP Address not set* ¹	Network configuration was performed, but the designated IP address was not set.
DHCP not serve IP Address* ¹	DHCP was enabled, but no IP address was assigned.
Response timeout	Network settings were made, but communication from the device timed out.

*1 If a media processor is selected and [Output Mode] is set to "4", this is displayed for each IP address of [Screen 1] to [Screen 4].

■ Transferring Settings to Multi-Projector Monitoring and Control Software

Settings made using this software can be imported into multi-projector monitoring and control software. The import procedure is as follows.

1. Select the network, search for the device, and click the [Convert (MMCS)] button.

The screenshot shows the 'Projector Network Setup Software' window. At the top, there's a 'Network' section with a dropdown menu showing '192.168.0.199 / 255.255.255.0', a 'Search' button, and 'Move Up'/'Move Down' buttons. Below this is a table of discovered devices:

<input checked="" type="checkbox"/>	S/N	MAC Address	Model	Name	DHCP	IP Address	Subnet	Account	Status	Note
<input checked="" type="checkbox"/>	DL4210001	48:80:2D:67:62:15	ET-FMP20	NAME5236	OFF	192.168.0.8	Common	Set Up		
<input checked="" type="checkbox"/>	DA4220001	88:20:8E:64:89:29	PT-RZ7	NAME9116	OFF	192.168.0.13	Common	Set Up		

Below the table are three main settings sections: 'Individual Settings', 'Subnet Settings (Common)', and 'Account Settings'. The 'Individual Settings' section includes fields for IP Address (192.168.0.8), Name (NAME5236), Note, and Output Mode (4). The 'Subnet Settings (Common)' section includes checkboxes for DHCP (OFF), Subnet mask (255.255.255.0), Default Gateway (192.168.0.1), and DNS1. The 'Account Settings' section has 'Current' and 'New' user/password fields, with a 'Change account settings' checkbox. At the bottom, there's a 'Screen IP Address Settings' section with four screens, each with an IP address field. A 'File' section contains 'Export', 'Import', 'Convert (MMCS)' (highlighted with a red box), and 'About' buttons. An 'Apply' button is at the bottom right.

- A UGK file is created with the name “MMCS” followed by numbers indicating the year, month, day, hour, minute, and second (e.g., MMCS20180412170704.ugk).
2. Start the multi-projector monitoring and control software, and then import the device registration information file (extension: .ugk) from the [Device Management] > [Importing an external setup file] > [Geometry Manager Pro] menu.
- Device information is imported into the multi-projector monitoring and control software.

■ Trademarks

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