‣ Telnet: Connect the projector using serial commands through Telnet connection. (Port:3023).

Remote Settings

Set remote control parameters.

‣ Remote Sensor: The receiver of the projector can be turned [On] or [Off] as required.

‣ Remote ID: The value ranges from 0 to 9.The projector can accept all remote ID when set to 0.

How to set the remote ID of the remote controller.
Hold down Enter and 0-9 button for 5s until the remote control indicator blinks red.

Security

Configure the security settings

‣ Startup Password: Select [On] to use the security verification when the turning on the projector. Select [Off] to be able to switch on the projector without security verification.

‣ Change password

According to the prompt box, enter the modified 6 digits and click OK. Enter again and confirm again. The password is changed successfully. Make sure you remember the new password.

Reset All

Return the adjustments and settings to the factory default values. (not including the Focus, Network Control, Wireless Projection and Security setting)
Choose "Select" to return the display parameters on all menus to the factory default settings.
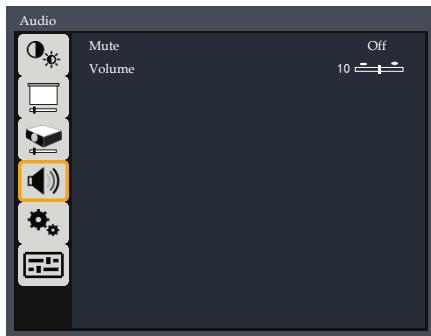
Audio

Mute   Off
Volume   10

Audio

Mute

Disable audio temporarily.

▶ Select "Off" to output audio.

▶ Select "On" to disable audio.

Volume

Adjust the volume

▶ Press the ◀ button to turn down the volume.

▶ Press the ▶ button to turn up the volume.
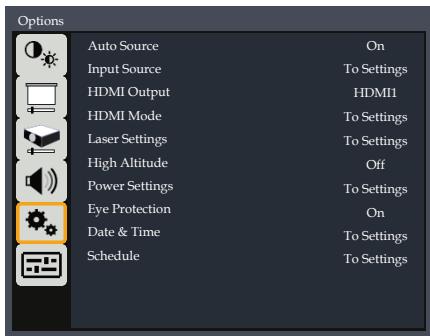
Options		
Auto Source		On
Input Source		To Settings
HDMI Output		HDMI1
HDMI Mode		To Settings
Laser Settings		To Settings
High Altitude		Off
Power Settings		To Settings
Eye Protection		On
Date & Time		To Settings
Schedule		To Settings

Options

Auto Source

When this function is turned [On], the projector will search for other signals if the current input signal is lost. When this function is turned [Off], it will only search a specified connection terminal.

Input Source

Use this option to enable/disable input sources for "Auto Source". Press the Enter button to enter the sub menu and select which sources you require. Press "Enter" to finalize the selection. The projector will only search for inputs that are enabled.

HDMI Outout

Use this option to select which signal to output. The available options are HDMI1/HDMI2/HDBaseT. Press the Enter button to enter the submenu and select the signal source you want to output. Press Enter to complete the selection. The projector can only output to a connected signal source.

HDMI Mode

Switches the mode of the HDMI terminal. The projector can change the EDID information to control the signal source output.

▸ High Speed Mode: In this mode, the projector can accept 4k/60Hz, HDR signal (HDMI2.0) through the HDMI terminal.

▸ Normal Mode: In this mode, the projector don't accept 4K/60Hz, HDR signal through the HDMI terminal (HDMI1.4).

User Settings

❖ When [Picture Mode] is set to [Bright], [Constant Luminance] cannot be selected for [Laser Power Mode]. Also, when [Constant Luminance] is selected for [Laser Power Mode], "[Bright] cannot be selected for [Picture Mode].

❖ The expected life of the light source indicates the time it takes for the brightness in that mode to reach 50% of the brightness at the start of projector use.

❖ When you switches the light source module, the brightness of the projected picture may change or flicker.

Laser Settings

This function is used to set the laser mode.

▶ Laser Power Mode: Adjust the projector's energy saving settings and brightness during projection period.

--- Constant Power: Select this mode and the projector displays the projection at normal brightness. The brightness of the projected light gradually dims as it is used, and the expected life of the light source is 20,000 hours.

--- Constant Luminance: Select this mode and the projector displays the projection at a constant brightness. The brightness of the projected light is approximately 90% of that when Laser Power is set to 100% in Constant Power mode. The initial brightness is maintained for up to 10,000 hours of use. After that, the light gradually dims as it is used, and the expected life of the light source is 26,000 hours.

--- Eco: Select this mode, the projector displays a low brightness to reduce the power consumption of the light source, thereby extending the service life of the light source. The brightness of the projected light is approximately 50% of that when Laser Power is set to 100% in Constant Power mode. The light gradually dims as it is used, and the expected life of the light source is 30000 hours.

--- Long Life: Select this mode and the brightness of the projector will be reduced by half. In addition, the color uniformity of the picture may be noticeable compared to other laser power mode. The brightness of the projected light is approximately 55% of that when Laser Power is set to 100% in Constant Power mode. The light gradually dims as it is used, and the expected life of the light source is 40000 hours.

▶ Laser Power: Adjust laser power 51% to 100%. This function is available when Laser Power mode is set to "Constant Power".

▶ Auto Switching: Set light source module switching timing in Long Life mode.

High Altitude Mode

If the projector is used at altitudes below 1400m, select [Off]. If the projector is used at altitudes from 1400m to 3000m, select [On].

Power Settings

Use this option to configure the power settings. Press the Enter button to enter the sub menu and configure the desired settings.

If changes are made, they will take effect the next time the projector is powered on.

‣ Direct Power On: When it is set to [On], the projector is automatically powered on when an AC power supply is connected. Wait at least 30 seconds before connecting the power code again, after disconnecting the power cord.

‣ Start on Input Detection: Select [On] to automatically power on the projector when the input source is detected.

‣ Network Control(Standby): Specify the standby mode.

  - Off: In this mode, no network function is available on Standby.

  - Wired: In this mode, only wired LAN is available on Standby.

  - On: In this mode, all functions are available on Standby.

Eye Protection

When [Eye Protection] is set to [On], the screen will automatically darken and the icon will appear when a person or object approaches this range (For projection light area, please refer to "Eye protection" on page 14) .

Date and Time

Displays Date and Time information of the internal Clock.

‣ Time Synchronization: If you select "Auto", the time is automatically adjusted to the current time.If "Manual" is selected, you need to manually enter the time information.

‣ Date & Time: Manually adjust the year, month , day and time.

‣ Daylight Saving Time:Set daylight saving time. The time is set one hour earlier than the original time.

‣ NTP Server: Select NTP server to use for automatic date and time settings.

‣ Time Zone: Select time zone.

‣ Update Interval: Set the frequency of automatic time and date settings.

‣ Apply: Apply the settings in [Date and Time].

Schedule

Select this function to allows you to automatically turn on or off

the projector, switch the input source of the projector and select the laser power mode at a specified time.

▶ Timer: Select or disable the schedule function.

▶ Event List: Select this function to set the detailed schedule information.
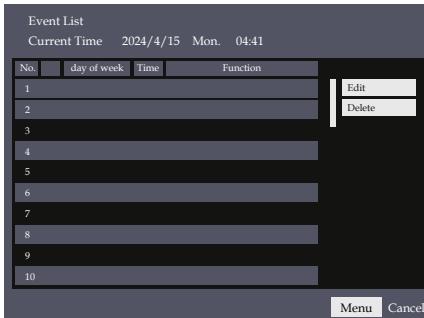
Select "Edit" option to enter to create a event list.

▶ Event: Enable or disable the event function.
If the event is enabled, the set operation is executed when the set day of the week/time arrives.
If disabled, nothing is done.

▶ Day of week: Set a specific day of the week from monday to sunday.

▶ Time: Set a specific time of the day between 0:00 and 23:59.

▶ Function: Set the specific function to creat a event lsit, including power, input source and laser power mode.

- When the function is set to [Power], you can set a event to automatically turn on or off the projector at a specified time.
- When the function is set to [Input Source], you can set a event to automatically switch the input source of the projector at a specified time.
- When the function is set to [Laser Power Mode], you can set a event to automatically select the laser power mode at a specified time.

▶ Power: Turn on or off the projector. Please refer to "Powering On/Off the Projector" on page 48 for details.

▶ Input Source: Set the input source. Please refer to "Input Source

Signal Selection" on page 50 for details.

▶ Laser Power Mode: Set the laser mode. Please refer to "Laser settings" on page 82 for details.
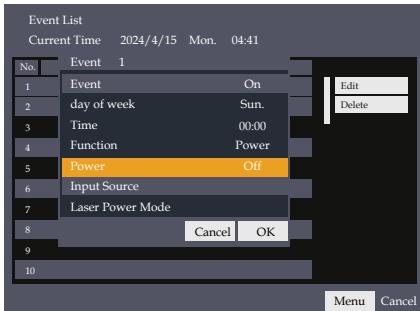
Select [Delete] option to delete the event list.

Display Status	
Source	Wireless
Resolution	1080p
Frequence	60Hz
Laser Power	Constant Power
Total Time	3
Firmware Version	
Main	1507.0.17
DLPC	13.2.22
LAN	1507.0.28/0.27
MCU	1507.0.14
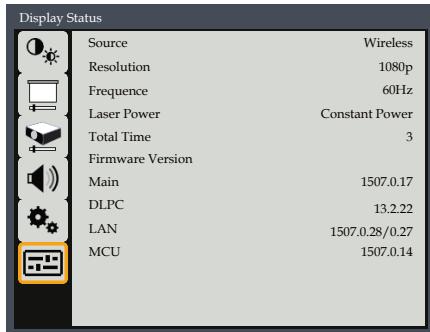
Display Status

This chapter mainly display the projector information for you to quickly grasp the projector status settings.

Source

Displays selected input source.

Resolution

Display the resolution of the projected image. And displays [----] when no input signal is detected.

Laser Power

Displays the mode of the laser power mode.

Total Time

Displays the number of hours the light source has been used.

Firmware Version

Displays the firmware versions information of the Main system, DLPC, LAN/WEB and MCU.

Viewing via USB Memory

When a USB memory device is inserted into the projector, the Memory Viewer function enables the projector to project images stored in the USB memory device.

Supported File Formats by Memory Viewer

Memory Viewer function supports the following files.

	File Format (Extentions)	Maximum Number of Pixels	Remarks
Image	JPEG (.jpg, .jpeg, .JPG, .JPEG)	8192 x 8192	Support Baseline
	BMP (.bmp, .BMP)	9600 x 6400	
	PNG (.png, .PNG)	9600 x 6400	Support Non-interlace

	File Format (Extentions)	Maximum Number of Pixels	Maximum Frame Rate	Maximum Bit Rate
Video	MOV (.mov)	1920 x 1080	60fps	40Mbps
	MP4 (.mp4)	1920 x 1080	60fps	40Mbps
	MPG (.mpeg, .mpg)	1920 x 1080	30fps	40Mbps
	TS (.m2ts, .ts)	1920 x 1080	30fps	40Mbps

For USB memory requirement

1. Format.
   FAT, FAT32, NTFS.
2. Supported USB Version : USB 2.0
3. Maximum number of folders/files that can be displayed is 500.
4. Cannot play digital rights management (DRM) protected files.

Important

- We recommend that you back up the data stored on the USB memory device before use. Please note that we are not responsible for any damage caused by the loss of your data.
- Do not unplug the power supply while accessing the USB memory device. Doing so may cause malfunction or data corruption.
- Use a USB memory device that is compatible with USB2.0.
- Use a USB memory device formatted with FAT or FAT32 file system.
- Keep magnetic or static-charged objects away from the USB memory device. They may interfere with USB file projection.

Memory Viewer

Displaying the Memory Viewer Screen

1. Press the [USB] button on the remote control or press the [Input] button on the control panel, and select [Memory Viewer] .

2. Directly insert a USB memory device into the <USB > terminal.

● The following screen will be displayed.

File Type

▸ Images: The picture files in the USB Memory are displayed.

▸ Videos: The video files in the USB Memory are displayed.

Display Format

▸ Thumbnail: Files in USB memory are displayed by thumbnails.

▸ List: Files in USB memory are displayed in a list.

Play the image

Only one picture is displayed at a time when the picture is played manually.

1. Press the ▲▼ buttons to select the Images item and press [Enter] button to confirm.

2. Press the ▲▼ buttons to select a file.

3. Press the Enter button to start to play the image.

● You can operate the Memory Viewer using the operation bar below.

● To display the operation bar, press the [Enter] button after projection of a image begins.

Note

❖ If the OSD Menu is displayed while the Memory Viewer screen is being displayed, the Memory Viewer screen will disappear.

❖ If a unsupported video file is played, the error is not displayed and the file will not display properly.

❖ When [Thumbnail] is selected under [Display Format], it may take some time to display the thumnail depending on the contents of the file.

● To hide the operation bar, press the [Menu] button.

| ⏮ Prev. | ⏭ Next | ▶ Playback | ↻ CW | ↺ CCW | ✗ Return | ▭ Logo Reg. |

Note

❖ It takes around 30sec. to register a user logo.

❖ Registering complex images in [User Logo] menu may fail. At this time, the User Logo will be blacked out and the already registered Logo will be deleted. If this happens, try a simpler image instead.

❖ The User Logo will be enlarged to match the screen during registration. If you wish to display the logo in the center, please register an image with the logo placed in the center of a larger size image in advance.

⏮ ⏭	Return to previous image or play the next image.
⏸ ▶	Start/Pause the slideshow.
↻ ↺	Each time press the icon, the projected image will rotate clockwise or counterclockwise.
✗	Exit image playback
▭	Register the picture played for User Logo.

Play the video

Only one video is displayed at a time when the video is played manually.

1. Press the ▲▼ buttons to select the Videos item and press [Enter] button to confirm.

2. Press the the ▲▼ buttons to select a file.

3. Press the [Enter] button to start to play the video.

● You can operate the Memory Viewer using the operation bar below.

● To display the operation bar, press the [Enter] button after projection of a video begins.

● To hide the operation bar, press the [Menu] button.

| ⏮ Prev. | ⏭ Next | ⏪ REW | ▶ Playback | ⏩ FF | ✗ Return |

⏮ ⏭	Return to previous video or play the next video.
⏸ ▶	Play/pause the video.
⏪ ⏩	Rewind/Fast forward the video at 2x to 32x speed.
✗	Exit video playback.

Additional setting

Here are some additional settings for Memory Viewer.

Select [Settings] button in the bottom left corner to enter the USB Memory Viewer page.

Memory Viewer
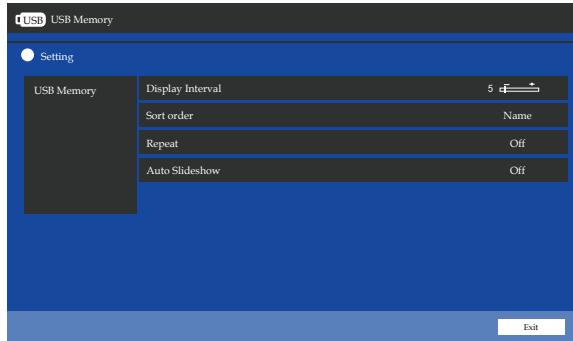
Display Interval

Sets the interval between the display of each image in the slide-show. The unit is seconds and can be set between 5 and 15 seconds. Some files may take longer to display and the display interval may be longer than the setting.

Sort Order

Sets the order for files to be displayed and for slideshows to be projected.

▶ Name: Displays by file name and folder name.

▶ Date: Displays by file time and folder time.

Repeat

After displaying the last file in the folder, choose whether to repeat the first file and continue the slideshow.

▶ Off: After displaying the last file in the folder, returns to the file listing view. The slideshow ends.

▶ On: After the last file in the folder is displayed, the first file is displayed repeatedly. The slideshow will continue.

Auto Slideshow

Set whether to automatically run Slideshow when turning on the power or switching source to Memory Viewer. The files to be displayed are the files specified by [File Type] in the root directory of the USB memory.

▶ Off: Disable this function.

▶ On: Enable this function.

Viewing via WiFi

This projector has a built-in wireless projection module. Wireless projection using Miracast is possible from a Windows PC or Android device.

❖ To use the wireless projection, Set **Network Function > Wireless Projection > On** in the menu system.

❖ If you are using a windows PC, press [windows]+[k] key and select the projector name from the list that appears.

❖ This feature can be used with Miracast-compatible devices, but does not guarantee connectivity with all devices.

Use of wireless projection

Using wireless projection through WiFi
1. Switch the projector input source to Wireless.
2. After about a minute, the following screen will appear.
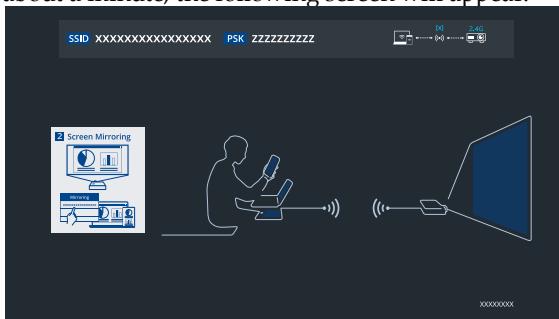
The Projector Name is displayed as "SSID" in the wireless projection stand-by screen.
The operating method varies depending on the device. For information on how to use Miracast, please refer to the instruction manual of the device to be connected.
Select the projector name from the list displayed on the device.

Wireless Projection

Wireless Projection Settings

Select **Default Settings>Wireless Projection** in the menu system, and adjust the wireless projection as required.

Default Settings	
Wireless Projection	
5/2.4GHz Switching	Execute
Reset	Execute
Restart	Execute
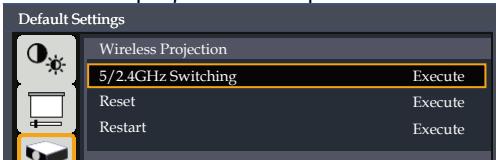
▶ 5/2.4GHz Switching: Switch wireless channel (5G/2.4G).

▶ Restart: Reboot the internal wireless projection module.

When selecting **Screen>Advanced>Menu Position >Bottom Center**, please note that the message displayed when switching between 2.4GHz/5GHz in "Wireless Projection" will be hidden by the Menu and will not be visible.

LAN Control

Control the projector via LAN

Function: This function is for remote control from a computer or other device in the same LAN.

To connect to a wired LAN

Preparation
1. Required equipment.
   Prepare the projector, computer, and network cable.
2. Connection.
   Connect your projector to a router or network hub in the LAN with network cable.
3. Turn on the computer.
   The LAN port on computer and projector are flashing after power on the projector.

Operation steps
1. Power on your projector.
2. Open **Default Settings > Network Functions** in the menu system. Set Web Control to [On].
3. Configure wired LAN settings in **Default Settings > Network Control >Wired LAN Settings**.
   Note the IP address of the projector displayed.

Default Settings				
Network Control				
Wired LAN Settings				
DHCP	Off			
IP Address	10	11	1	98
Subnet Mask	255	255	255	0
Default Gateway	10	11	1	0
DNS	172	16	90	1
Apply				

3. Confirm the wired LAN status by selecting **Default Settings > Network Control > Wired LAN Status** in the menu system. Please note the IP address of the projector displayed.

> *Note*
> ❖ Pay careful attention to the installation location, management of the devices, and the network device to which the device is connected, in order to prevent malicious third parties from viewing the communication data.

LAN Control

To connect a wireless LAN

Preparation
1. Open **Default Settings > Network Control > Wireless LAN Status** in the Menu system.
   If [Mode] is set to [Access Point], connect the computer or other device to the wireless LAN with [SSID] using [Password].
   If [Mode] is set to [Infrastructure], connect the computer or other device to the existing LAN of displayed [SSID].

Operation Steps
1. Power on your projector.
2. Open **[Default Settings]>[Network Functions]** in the Menu system.
   Set [Web Control] to [On]
3. Open **[Default Settings]>[Network Control]>[Wireless LAN Status]** in the Menu system.
   Note the IP address of the projector displayed.

Control the Projector with Web Browser (Web Control)

You can control the projector from a computer or other device by using a web browser.

Access from the Web Browser (PC)

1. Start the web browser.
2. Enter the IP address of the projector set in the URL input field of the Web browser.
3. Open the web control page.

   Enter the password in [Password] field and click [Login].

* The password setting screen will be displayed when you start up for the first time. Please set a password to use the web page.
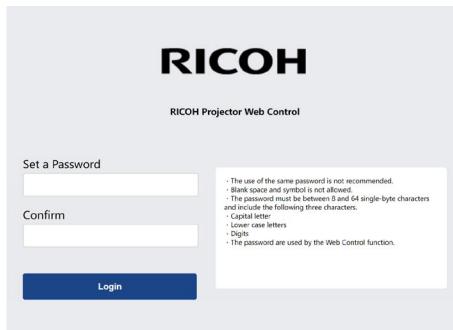
When you log in, a navigation bar for setting the projector will be displayed on the left side of the home screen.

LAN Control

System Status

The current status of the projector is displayed.

▶ Projector Information: Basic information about the projector is displayed.

▶ FAN Information: The rotation status of each FAN is displayed.

▶ LD Information: The LD usage status is displayed.

▶ Temp. Information: The temperature of each component is displayed.

▶ Continuous operation time: The number of uses is displayed for each continuous use time range.

▶ Firmware Version: The firmware versions are displayed.

Projector Control

You can adjust some basic Settings remotely here.
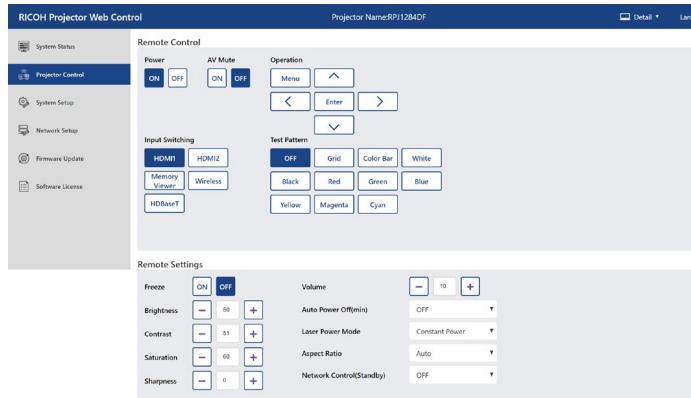
▸ Remote Control: Power on/off, input signal switching, test pattern

display, and menu operations can be performed.

▸ Remote Settings: Adjusting video, audio and some settings can be performed.

System Setup

Here you can change the name of the projector, change the password and PJLink Settings.
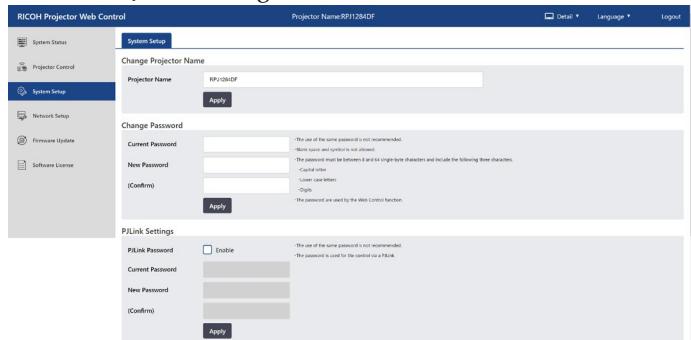
▸ Change Projector Name: Enter a new name of the projector and click [Apply].

▸ Change Password: Enter your current password, a new password, and a new password for confirmation and click [Apply].

▸ PJLink Settings: Set the password for PJLink. When using the password,

LAN Control

check "Enable" and enter the password.
You can change the password by entering the current password, a new password, and a new password for confirmation.

Network Setup

Note

❖ When Wireless LAN is not in use, it is recommended to turn it Off.

❖ SSID can be set up to 32 alphanumeric characters and symbols.

❖ Password can be set from 8 to 63 alphanumeric and symbolic characters or 64 hexadecimal digits.

❖ SSID and Password can only display up to 16 characters in the projector's menu system.

❖ [Encryption] can be set only in Infrastructure Mode, and [Channel Number] only in Access Point Mode.
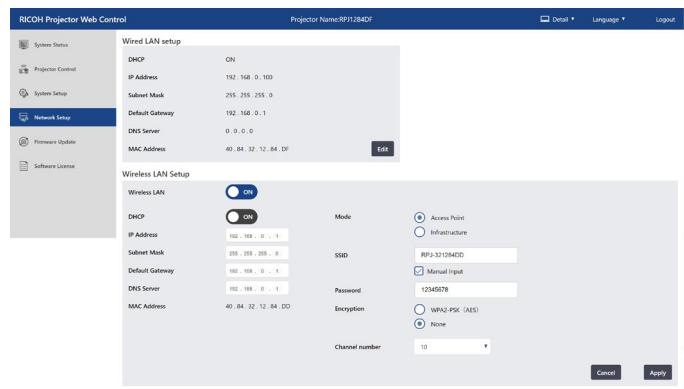
Wired LAN Setup: View and set up a wired LAN.
Wireless LAN Setup: View and set up wireless LAN.

▸ DHCP: Select On or Off to enable DHCP fuction. If you want to enable the DHCP, set [DHCP] to [On].

▸ IP address: If no DHCP is used, enter the IP address.

▸ Subnet Mask: If no DHCP is used, enter the subnet.

▸ Default Gateway: If no DHCP is used, enter the gateway IP address.

▸ DNS Server: If no DHCP is used, enter the DNS server IP address.

▸ Mode: Select the operating mode of the wireless LAN from "Access Point" mode or "Infrastructure" mode.

▸ SSID: To enter SSID, check "Manual Input" checkbox.Click the gear icon to the right of the SSID field and select the SSID from the list that appears, or check the "Manual Input" checkbox and enter the SSID.

▸ Password: Enter the password.

▸ Encryption: Select the encryption method from "WPA2-PSK" or "None".

▸ Channel Number:Select the wireless channel number.