

Additional information

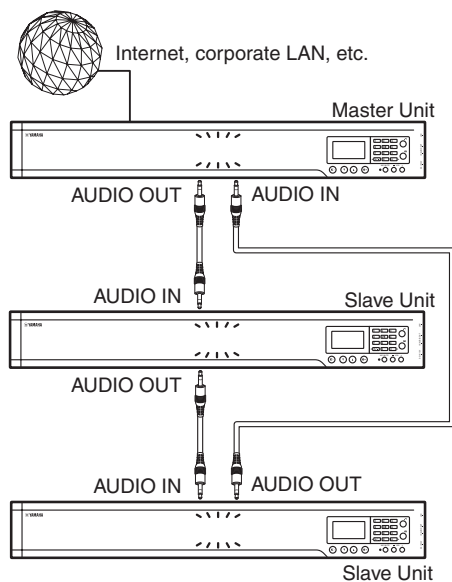
Due to the upgrading of the firmware, the following functions are added or changed after the printing of the supplied owner's manual.

Interlocked Connection of Projectphone Systems (Page 30)

The external input/output setting menu is changed and you can connect multiple Projectphone systems to this unit for the conference in a large room or with a large number of persons (interlocked connection of Projectphone systems). The choices are added to the "External I/O" menu for this change.

■ Connection

Using stereo mini-plug cables, connect the AUDIO OUT terminal of each Projectphone system to the AUDIO IN terminal of another Projectphone system. The following illustration shows an example of an interlocked connection of three Projectphone systems including this system.



■ Configuring the external input/output setting

- **None (Default):** Disable external input/output.
- **Audio:** Select this setting when connecting external audio equipment to this unit. This setting is indicated on the initial display.
- **Connection (mstr):** Select this setting for the PJP-100H to be used as the Master unit. This setting is indicated on the initial display.
- **Connection (slv):** Select this setting for the PJP-100H to be used as the Slave unit. This setting is indicated on the initial display.

Using the keys on this unit

In the initial display, select "Menu" → "Settings" → "Sound Settings" → "External I/O".

Using the Web menu

In the Web menu, select "External Input/Output".



- In an interlocked connection of the Projectphone systems, allow distance of at least 2 meters between them.
- Set the "Room Size" to "Small" for an interlocked connection.
- When connecting three Projectphone systems (Master, Slave 1 and Slave 2) in an interlocked connection, first connect the AUDIO OUT terminal of the Master unit to the AUDIO IN terminal of the Slave 1 unit. And then, connect the AUDIO OUT terminal of the Slave 1 unit to the AUDIO IN terminal of the Slave 2 unit. Finally, connect the AUDIO OUT terminal of the Slave 2 unit to the AUDIO IN terminal of the Master unit.
- If echo or howling is produced, install the Projectphone systems at larger distances or decrease their volumes.
- To avoid the echo or howling, set the volume level setting of each Project Phone system to the same level.

Microphone indicators during muting (Pages 4 and 20)

The microphone indicators (blue LEDs) flash during muting.

Controlling the system using the remote operation function (Page 31)

Use this feature to control the ProjectPhone when it is used in conjunction with PJP-MC24. Set "Remote Control" to "Enable" to activate this feature.

Using the keys on this unit

In the initial display, select "Menu" → "Settings" → "General Settings" → "Remote Control".

Time Zone (Page 37)

Set the time zone of the region in which the system is used. The time zone should be set in ± 1 -hour steps with respect to the UTC (Coordinated Universal Time).

■ Setting the time zone

Using the Web menu

In the Web menu, select "Time".

Codec compatibility (Pages 31 and 53)

With the change in the specifications, this unit is compatible with G.729a codec and does not compatible with G.726-40 or G.726-24 codec. You can select "G.729" and cannot select "G.726-40" or "G.726-24" in the "CODEC" menu.

Adjust the volume (Page 28)

“Volume Fine Adj” menu is added to “Sound Settings”. The audio input volume from the microphones and the audio input/output volumes from/at the AUDIO IN/OUT terminals can be adjusted.


■ Adjusting the volume

- **Microphone:** Adjustment of the input volume from the microphones of the system.
- **Audio IN:** Adjustment of the input volume from the AUDIO IN terminal.
- **Audio OUT:** Adjustment of the output volume at the AUDIO OUT terminal.

Using the keys on this unit

In the initial display, select “Menu” → “Settings” → “Sound Settings” → “Volume Fine Adj”.



- Use ▲ and ▼ to adjust each volume and  to confirm the adjustment.
- Adjustment range: -12.0 dB to 12.0 dB (0.5 dB steps)
- Initial setting: 0 dB

Note

Varying the volume settings may distort audio in certain operating environments. In this case, reduce the volume setting until the distortion disappears.

Sending tone signals during communication through IP network

Tone signals can be transmitted during communication through IP network. This is convenient when using a service that requires tone input during a call, such as the automatic answering service.


1 Press during communication through IP network.

The display for additional number entry appears.

2 Press the numeric keys to enter the required number.

The corresponding tone is transmitted.



If this unit is in multiple connections, select the connection you want to send tone signals in the Select Number Addition display, and press .

3 After completing the number entry, press .

The display for communication reappears.

Note

While sending tone signals, this unit cannot receive any incoming calls.

Selecting language (Page 31)

You can select the language for the display messages.

■ Selecting the menu language (Language)

- **English (Default):** Select this setting to display the menus in English.
- **Japanese:** Select this setting to display the menus in Japanese.
- **Chinese:** Select this setting to display the menus in Chinese.

Using the keys on this unit

In the initial display, select “Menu” → “Settings” → “General Settings” → “Language”.

Using the Web menu

In the Web menu, select “Language”.

Restoring the factory settings function is changed (Pages 32, 50 and 51)

You can restore the factory settings of this unit without deleting the data of the address book.

■ Restoring the factory settings of this unit

Using the keys on this unit

In the initial display, select “Menu” → “Settings” → “Restore Settings”.

- **Yes:** Resets all of the settings of the system to the factory-set defaults.
- **Not del AddrBook:** Resets the settings other than the address book data to the factory-set defaults.
- **No:** Aborts the operation.

Using the Web menu

In the Web menu, select “Restore Factory Settings”.

- **Restore Factory Setting:** Resets all of the settings of the system to the factory-set defaults.
- **Restore Factory Settings without deleting an address book:** Resets the settings other than the address book data to the factory-set defaults.

Note

If you select “Yes” or “Restore Factory Setting”, this unit clears all of the settings you made as well as the address book and call history data.

QoS compatibility

With the change in the specifications, a QoS (Quality of Service) setting has been added. It is possible to specify the ToS (Type of Service) or CoS (Class of Service) priority. When CoS is used, the VLAN-ID can also be set.

Using the Web menu

In the Web menu, Select “QoS”.

RTP packet transmission interval setting (Page 31)

With the change in the specifications, a function for setting the RTP (Real-time Transport Protocol) packet transmission interval has been added.

- **G.711 Extension:** 20 msec (Default), 40 msec
- **G.711 μ -law:** 20 msec (Default), 40 msec
- **G.726-32:** 20 msec (Default), 40 msec
- **G.729:** 10 msec, 20 msec, 40 msec (Default), 60 msec

Using the Web menu

In the Web menu, select “CODEC” and then set the encoding method and “RTP Segment Size”.

About settable SIP addresses (Page 24)

With the change in the specifications, it is now possible to set SIP addresses including the # and * symbols. The number of characters that can be set for the SIP address has also been changed to up to 32 characters each for the user ID section and domain section. If an SIP address including more than 32 characters in the user ID section or domain section is set, the restriction to the number of characters is applied the next time the registration is modified.

SIP registration expiration / session expiration setting (Page 35)

With the change in the specifications, it is now possible to set SIP registration expiration and session expiration.

Using the Web menu

In the Web menu, select “SIP Server” and then set “Regist Expiration” and “Session Expiration”.

The configuration saving and loading features

Due to changes in specifications, the configuration saving and loading features have been newly added. These features are useful when you want to use this unit temporarily in other locations. You can save up to 3 configurations.

■ Saving settings

Using the keys on this unit

1 In the initial display, select “Menu” → “Settings” → “Save/Load Config” → “Save Config”.

2 From the three configuration areas, select the one you want to save settings in.

Using the Web menu

1 Select “Save Config”.

2 From the three configuration areas, select the one you want to save settings in.

Note

- If you select a configuration that has already been saved, the saved configuration will be overwritten.
- The address book, the history of calls, and the configured password are not saved.
- When you restoring the factory setting by using “Resetting this Unit” (page 50), this unit also deletes the saved settings.

■ Loading settings

Using the keys on this unit

1 In the initial display, select “Menu” → “Settings” → “Save/Load Config” → “Load Config”.

2 From the three configuration areas, select the one you want to load settings from.

The current configuration is overwritten by the selected configuration, and this unit restarts.

Using the Web menu

1 In the Web menu, select “Load Config”.

2 From the three configuration areas, select the one you want to load settings from.

The current configuration is overwritten by the selected configuration, and this unit restarts.

The configuration protection feature (page 32)

Due to changes in specifications, you can now protect configurations with a password, not only by using the Web menu but also by using the control keys of this unit. Use this feature to prevent important configurations from being unwantedly changed by a user other than the administrator.

The configuration parameters under protection are as follows:

- Network Settings
- Save Config
- Restore Settings
- Firmware Update
- Deleting the password

■ **Setting the password**

Using the keys on this unit

- 1 In the initial display, select “Menu” → “Settings” → “General Settings” → “Password” → “Set Password”.**

The password entry screen appears.

- 2 Use the numeric keys to enter a 4-digit password.**

If a password already exists, enter the current password in “Old”. Enter a new password in “New” and then enter it again in “Retype” for confirmation purpose.

Using the Web menu

- 1 In the Web menu, select “Set Password” and enter a 4-digit password.**

■ **Deleting the password**

Using the keys on this unit

- 1 In the initial display, select “Menu” → “Settings” → “General Settings” → “Password” → “Delete Password”.**

The password entry screen appears.

- 2 Use the numeric keys to enter the current 4-digit password.**

The current password is deleted, and you can make changes to the configurations previously under protection.



- When you set a password for the first time, leave “Old” empty.
- When a password has been set and you select a configuration menu under protection by using the control keys of this unit, the password entry screen appears. If you do not perform any operations for the next 5 minutes, this unit returns to the configuration protection mode.
- When a password has been set and you update the firmware of this unit, you need to enter the current password. For details, see “Updating the Firmware” on page 34 in Setup Guide.
- Once the existing password has been deleted, the configurations previously under protection can no longer be protected. If you want to protect the configurations again, perform the password setting procedure again.
- If you forgot the password, you cannot initialize this unit to the default factory settings. In this case, use the following master password to set this unit to the default factory settings. The master password can be entered in the Web menu.

Master Password

The master password for this unit is the serial number with the second letter being omitted.

(e.g. If the serial number of this unit is “NP4012345”, the master password is “N4012345” with “P” omitted.)

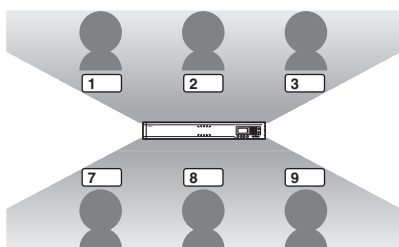
Zone function in “Microphone Mode” (page 28)


In “Microphone Mode”, the zone function has been improved and the audio pickup area has been broadened. The zone function can be selected between “Zone (near)” and “Zone (far)”.

■ Selecting the audio pickup area (microphone mode)

You can select the audio pickup area of the microphone during a call. The default setting is “Zone (near)”.

- **Zone (near)** (default): Pick up the audio from a large area without tracking the audio of a talker. It is suitable for a relatively quiet environment. To specify the audio pickup area, use the numeric keys in the “Microphone Mode” menu. The audio in the area of the following figure is picked up according to the pressed keys.



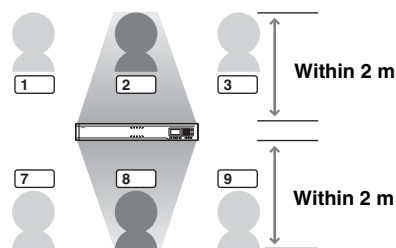
All microphone indicators (blue LED) from the direction which audio can be picked up light up. This mode is indicated by  on the display.




- Press **[5]** to pick up audio from all directions.
- The possible combinations are [1+2+7+8], [2+3+8+9], and all areas.
- **Zone (far)**: Pick up the audio from a large area (more than 2 meters farther than “Zone (near)”) not only tracking the audio of the talker. It is suitable for a relatively quiet environment.

Note

- In “Zone (far)”, you can not specify the audio pick up area.
- **Spot**: Fix the audio pick up area to the front of the microphone by narrowing the directivity. This mode is suitable when the number of talkers is limited to one or two, or when there is equipment that produces noise such as a projector nearby. To specify the audio pickup area, use the numeric keys in “Microphone Mode” menu. The area shown in the next figure is enabled or disabled according to the pressed keys.

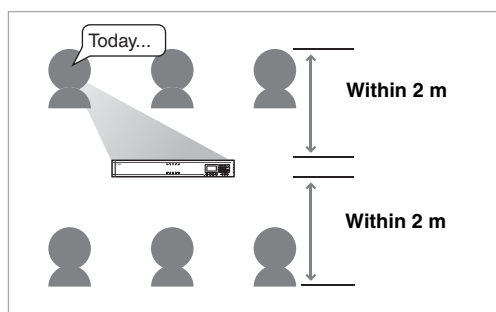


Microphone indicators (blue LED) of which direction audio can be picked up from all light up. This mode is indicated by  on the display.

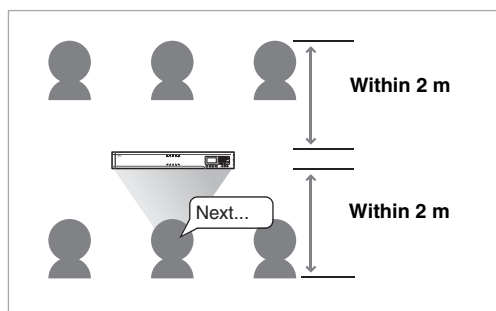


The possible combinations are [1+7], [2+8], [3+9], and all areas.

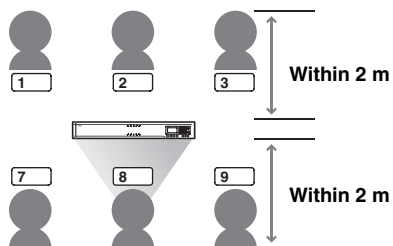
- **Track**: The microphone system automatically tracks and focuses the audio of the talker without fixing the audio pickup area (only the one talker’s audio can be picked up at any given time). The audio can be picked up with narrow directivity so that the noises other than the taker can be reduced. It is suitable to pick up the audio clearly in the environment where there are noises.




▼ Tracking the talker’s direction automatically



To specify the area to which this feature is available, use the numeric keys in the “Microphone Mode” menu. The area shown in the next figure is enabled or disabled according to the pressed keys.



All microphone indicators (blue LED) from the direction which audio can be picked up light up. This mode indicated by  on the display.



- Press to pick up audio from all directions.
- You can select multiple areas at the same time.
- You can select areas where the audio pickup feature is not applied.

Using the keys on this unit

In the initial display, select “Menu” → “Settings” → “Sound Settings” → “Microphone Mode”.



You can display the “Microphone Mode” menu by holding down



in the initial display or calling display.

Using the Web menu

In the Web menu, select the “Microphone Mode”.