

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.

Volume fine adjustment features

The "Volume Fine Adj" menu is added to "Sound Settings".

■ Adjusting the volume from the Control Panel of the USB-connected PC (USB Vol. Adj.)

When a PC is connected to the system through USB, the microphone and speaker volume can be adjusted and muted in the "Sound and Audio Device Properties" window on the PC. For how to view the "Sounds and Audio Devices Properties" window, refer to steps 1 to 3 on page 9 of the supplied owner's manual.

- **Enable:** When this system and a PC are connected through USB, the microphone and speaker volume can be adjusted and muted from the Control Panel.
- **Disable (default):** When this system and a PC are connected through USB, the audio signals are input or output between them always at a constant volume. The display of this system displays an icon indicating this mode.

Using the keys on this unit

In the initial display, select "Menu" → "Settings" → "Sound Settings" → "Volume Fine Adj" → "USB Vol. Adj."

Note

When adjusting the volume using the keys on this system after having adjusted it from the Control Panel of the PC, leave an interval of 2 seconds or more before pressing the keys on this system.

■ Adjusting the volume

The audio input volume from the microphones and the audio input/output volumes from/at the AUDIO IN/OUT terminals can be fine adjusted.

- **Microphone:** Fine adjustment of the input volume from the microphones of the system.
- **Audio IN:** Fine adjustment of the input volume from the AUDIO IN/OUT terminals.
- **Audio OUT:** Fine adjustment of the output volume at the AUDIO IN/OUT terminals.

Using the keys on this unit

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



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

Note

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

Connection of the headphones output and microphone input terminals (page 12)

If your PC or TV conference system does not have the line input/output terminals, it can be connected to this system using the headphone output and microphone input terminals.

■ Connection

Prepare two commercially available audio connection cables (stereo mini-jack cables).

- 1 Connect the AUDIO IN jack of this unit to the headphone output terminal of the PC.**
- 2 Connect the AUDIO OUT jack of this unit to the microphone input terminal of the PC.**
- 3 Configure the "Volume Fine Adj" and "External Input/Output" menus.**

■ Setting the "Volume Fine Adj" menu

Set the "Audio OUT" between -6.0 and -12.0 dB.


Using the keys on this unit

In the initial display, select "Menu" → "Settings" → "Sound Settings" → "Volume Fine Adj" → "Audio OUT".



Use the ▲ and ▼ keys to fine adjust the volume.

■ Setting the “External I/O” menu

Set “External I/O” to “Audio”. The display shows .

Using the keys on this unit

In the initial display, select “Menu” → “Settings”
→ “Sound Settings” → “External I/O” → “Audio”.



- The audio may be distorted or too low in certain operating environments. In such a case, adjust “Audio Input” and “Audio OUT” in the “Volume Fine Adj” menu.
- Change the settings of the audio input/output of the connected PC and TV conference system in advance. See page 13 of the supplied owner’s manual for the settings of the audio input/output of PCs.

Changing language function

You can select the language that appears on the display of this unit.

■ Selecting the menu language (Language)

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

Using the keys on this unit


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

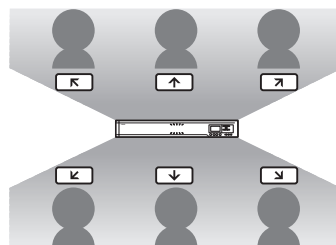
Zone function in “Microphone Mode” (page 16)

In “Microphone Mode”, the zone function has been improved and the audio pick up 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 not only tracking the audio of the talker. It is suitable for a relatively quiet environment. Use the area select keys in the “Microphone Mode” menu to specify the audio pickup area, and then press . The audio in the area of the following figure is picked up according to the pressed keys.



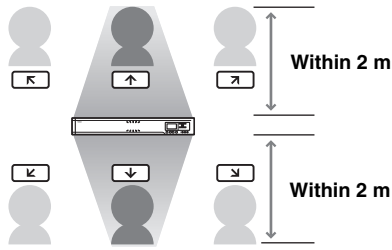
All microphone indicators (blue LED) from the direction which audio can be picked up light up.




- Press  to pick up audio from all directions.
- The possible combinations are [ + ], [ + ], 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 pick up area, 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.

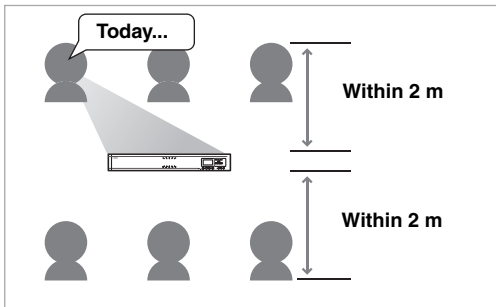


Microphone indicators (blue LED) of which direction audio can be picked up from all light up. This mode is indicated by  on the display.

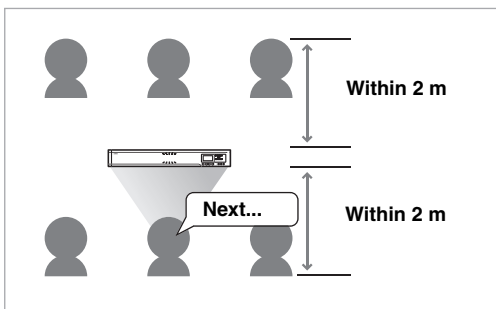


The possible combinations are [ + ], [ + ], [ + ], and all areas.

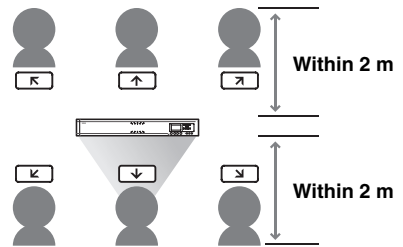
- **Track:** The microphone system automatically tracks and focuses the audio of the talker without fixing the audio pickup area (only the one talker's audio can be picked up at any given time). The audio can be picked up with narrow directivity so that the noises other than the talker can be reduced. 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 is 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 “Settings” → “Sound Settings” → “Microphone Mode”.



You can display the “Microphone Mode” menu by holding down  in the initial display or calling display.