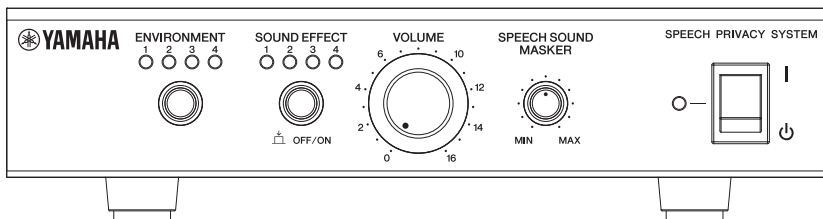




SPEECH PRIVACY SYSTEM CONTROL UNIT VSP-CU2

Owner's Manual



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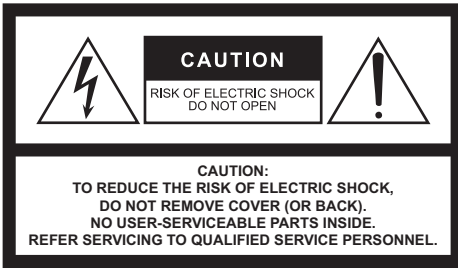
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The above warning is located on the rear of the unit.

Explanation of Graphical Symbols



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

(UL60065_03)

FCC INFORMATION (U.S.A.)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT: When connecting this product to accessories and/ or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

(529-M03 FCC class A 01)

COMPLIANCE INFORMATION STATEMENT (Supplier's declaration of conformity procedure)

Responsible Party : Yamaha Unified Communications, Inc.

Address : 144 North Rd, Suite 3250 Sudbury, MA 01776

Telephone : 800-326-1088

Type of Equipment : SPEECH PRIVACY SYSTEM CONTROL UNIT

Model Name : VSP-CU2

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received including interference that may cause undesired operation.

(529-M02 FCC sdoc YUC 01)

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No.

Serial No.

(bottom_en_01)

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

This product is a device that prevents the content of conversations from leaking to third parties and prevents surrounding conversations from reducing the efficiency of concentration-intensive work. Do not use for any purposes other than the one intended. Those who are unfamiliar with handling or those who can not handle according to this manual such as children, should be supervised by responsible persons to ensure safety.



WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

If you notice any abnormality

- If any of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet.
 - The power cord or plug becomes frayed or damaged.
 - Unusual smells or smoke are emitted.
 - Some object, or water has been dropped into the product.
 - There is a sudden loss of sound during use of the product.

- Cracks or other visible damage appear on the product.

Then have the product inspected or repaired by qualified Yamaha service personnel.

Power supply/Power cord

- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.
- Only use the voltage specified as correct for the product. The required voltage is printed on the name plate of the product.
- Use only the supplied power cord/plug. If you intend to use the product in an area other than in the one you purchased, the included power cord may not be compatible. Please check with your Yamaha dealer.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.
- Make sure to fully insert the electric plug to prevent electric shocks or fire.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the product will not be disconnected from the power source.
- Remove the electric plug from the outlet when the product is not to be used for extended periods of time.
- Do not touch the product or the electric plug during an electrical storm.
- Be sure to connect to an appropriate outlet with a protective grounding connection. Improper grounding can result in electrical shock, fire, or damage.

Do not open

- This product contains no user-serviceable parts. Do not attempt to disassemble the internal parts or modify them in any way.

Water warning/Fire warning

- Do not expose the product to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings.
- Never insert or remove an electric plug with wet hands.
- Do not place any burning items or open flames near the product, since they may cause a fire.



CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others. These precautions include, but are not limited to, the following:

Power supply/Power cord

- When removing the electric plug from the product or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.

Location and connection

- Turn off the power to this product before connecting it to VSP-SP2.
Also, before turning the power on or off, make sure that volume levels are set to minimum. Failing to do so may result in electric shock, or product damage.
- Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over and cause injury.

- Do not block the vents. This product has ventilation holes at the top/sides/bottom to prevent the internal temperature from becoming too high. In particular, do not place the product on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the product(s), or even fire.

- To ensure proper heat dissipation of the product, when installing it:
 - Do not cover it with any cloth.
 - Do not install it on a carpet or rug.
 - Make sure the top surface faces up; do not install on its sides or upside down.
 - Do not use the product in a confined, poorly-ventilated location.Inadequate ventilation can result in overheating, possibly causing damage to the product, or even fire. Make sure that there is adequate space around the product: at least 10cm above, 1cm below the bottom surface, 10cm at the sides and 10cm behind.

- Do not place the product in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
- Before moving the product, remove all connected cables.
- Use only speaker cables for connecting speakers to the speaker jacks. Use of other types of cables may result in fire.

Maintenance

- Remove the power plug from the AC outlet when cleaning the product.

Handling caution

- Do not insert your fingers or hands in any gaps or openings on the product (vents, panel, etc.).
- Do not rest your weight on the product or place heavy objects on it.

Precautions for use

Please follow the instructions below to prevent product failure, damage or malfunction.

NOTICE

- Do not use this product near other electronic devices, such as televisions, radios, stereos, or cell phones.
Doing so may cause noise in the product or the nearby devices.
- Do not use the product in locations with excessive dust or vibrations, or of extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day). Doing so may warp the panels of the product or damage its internal components.
- Do not place vinyl, plastic or rubber objects on or under the product. Doing so may cause discoloration or deterioration of the panels of the product or of the objects placed on or under the product.
- Keep the power cord away from the speaker cables, and fasten the speaker cables in place.
The large current that flows through the speaker cables generates a magnetic field that may cause radio interference and acoustic noise.
- When cleaning the product, use a soft, dry cloth. Do not use cloths dampened with benzene, paint thinner, detergent, or chemical solvents, since they may cause discoloration or deterioration.
- If condensation might have occurred in the product due to drastic changes in ambient temperature (such as when moving the product from one location to another, or when under an air conditioner), leave the product for several hours without turning on the power, until the condensation has completely dried out. Using the product while condensation is present may damage it.
- Do not connect the product to speakers other than Speech Privacy System Speakers (VSP-SP2). Doing so may damage it.
- Do not remove the rubber feet from the product when installing it.
- Before touching the product, remove static electricity from your body and clothes.
- When transferring the product to someone else, transfer this document as well.
- When disposing of this product, follow the regulations of your municipality.
- Do not subject the product to strong impact.
- Do not connect devices that generate noise onto the same power supply line as the product.
- A small electric current continues to flow even while the power switch is set to standby. If you plan not to use the unit for a long period of time, be sure to remove the power cord from the AC outlet.

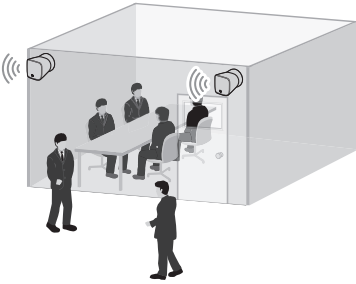
Features of VSP-CU2

This product, when connected to a dedicated speaker (VSP-SP2), outputs a masking sound that makes it difficult for a third-party to overhear a conversation. This masking sound can prevent private conversations and information from being overheard and leaked. It can also prevent ambient conversation from disturbing your concentration and affecting your work process.

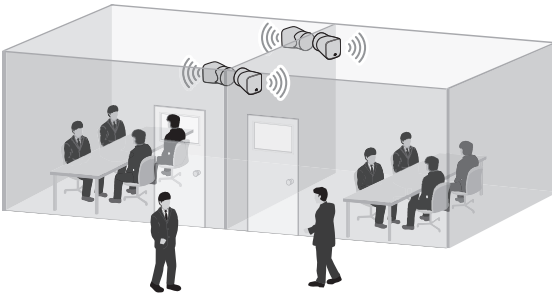
Yamaha's proprietary information masking technology effectively prevents leakage of confidential information by using a relatively low-volume masking tone, and also helps in the maintenance of a comfortable listening environment.

■ Applications

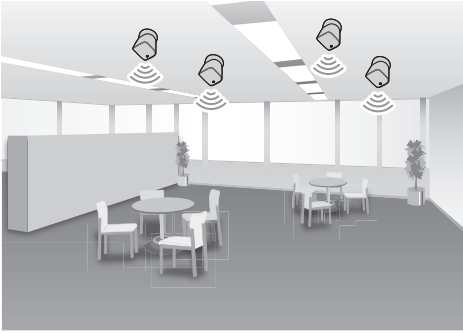
May be used in a conference room (preventing leaks from the conference room to the hallway)



May be used in multiple conference rooms (preventing leaks among the conference rooms)



May be used in an open space



■ Yamaha’s information masking technology

The core of the information masking technology is a masking tone. A masking tone consists of three types of sound: a speech sound masker, an environmental sound, and an effect sound. It adopts the principle of the camouflage effect to conceal a conversation. The masking tone is not an intrusive noise. Even a relatively low-volume sound can mask the privacy of a conversation effectively, allowing people to speak comfortably without concern, and the surrounding ambient sound environment will not be spoiled.

■ Information masking tones generated from human voices

Yamaha’s proprietary information masking tone, which is part of the masking tone, has been synthesized from human voices. Therefore, when the tone is played, it commingles with real-time conversational voices, and effectively protects the privacy of the conversation.

■ A masking tone that maintains your comfort

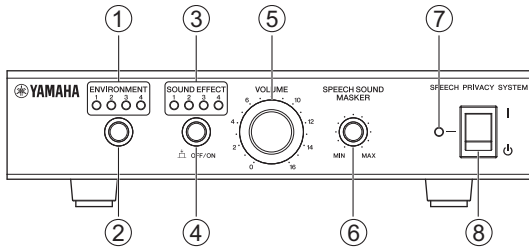
The masking tone is a combination of the speech sound masker; the environmental sound, such as a murmuring brook or a chirping bird; and the sound effect, such as sounds from musical instruments or digital devices. The result is a comfortable sound space. Four environmental sounds are available to suit your situation or preferences.



* This product cannot completely conceal the contents of all conversations. If a speaking voice is loud, it will be heard. In addition, the effectiveness of this speech privacy system varies depending on voice characteristics, speaking style, and environmental conditions.

Part Name and Function

■ Front panel



① ENVIRONMENT indicator

Indicates the number of the selected environmental sound. (green)

② ENVIRONMENT selector knob

Enables you to select an environmental sound. Rotate the knob clockwise to cycle through in ascending order (1→2→3→4→1...).

Note

If you press the knob repeatedly, it will move in and out and feel like a switch, but it does not function like a switch.

③ SOUND EFFECT indicator

Indicates the number of the selected sound effect. (green)

If the sound effect is turned off, no SOUND EFFECT indicator will light up.

④ SOUND EFFECT selector knob

Enables you to select a sound effect. Rotate the knob clockwise to cycle through in ascending order (1→2→3→4→1...). Press the knob to turn the sound effect off. Press it again to play it. (Pressing the knob repeatedly will turn the sound effect on and off repeatedly.)

If the sound effect is turned off, the knob will still rotate, but not function.

⑤ VOLUME

Adjusts the volume level of the speaker output.

⑥ SPEECH SOUND MASKER knob

Adjusts the ratio of the speech sound masker against the masking tone being played.

⑦ Power indicator

Lights up when the power is turned on. (green)

⑧ Power switch

Turn the power to the unit on or to standby mode.

NOTICE

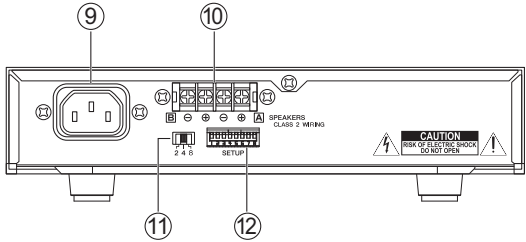
- A small electric current continues to flow even while the power switch is set to standby. If you plan not to use the unit for a long period of time, be sure to remove the power cord from the AC outlet.

NOTICE

When you set the power switch to standby, the current environmental sound and sound effect will be stored in the internal memory.

- Do not set the power switch to standby for 10 seconds after you select an environmental sound or sound effect. Otherwise, some setting data might not be stored in memory.
- Be sure to wait 10 seconds or more until you turn on the power again after setting the power switch to standby.
- If you toggle the power switch between on and standby repeatedly and quickly, malfunction of the unit may occur.

■ Rear panel



⑨ AC inlet

Connect the power cord here.

⑩ SPEAKERS terminals

Connect the VSP-SP2 here.

⑪ Speaker switch

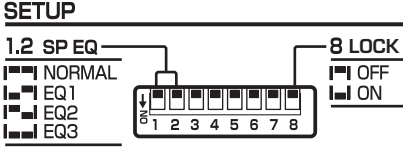
Enables you to select the number of speakers to be connected.



- 2: When connecting two speakers
- 4: When connecting four speakers
- 8: When connecting eight speakers

⑫ SETUP dip switches

Enable you to configure various modes of operation. You can adjust EQ and configure the front panel lock.



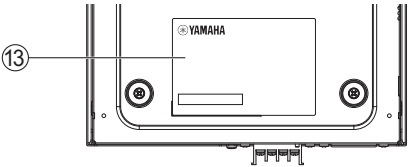
Note

Do not use switches 3 through 7.

NOTICE

- To connect the power cord, first connect the power cord to the AC inlet of this unit, and then insert the power cord plug into an AC outlet.
- Be sure to set the power switch to standby before connecting or removing the power cord.
- Do not use SETUP dip switches 3 through 7. Otherwise, the masking effect might not be obtained.

■ Bottom panel



⑬ Product label

The name and serial number of this product are listed here.

1. Connecting the speakers

⚠ CAUTION

- Before connecting the speakers, make sure that the power to this unit is set to standby. Otherwise, electrical shock may be caused.

NOTICE

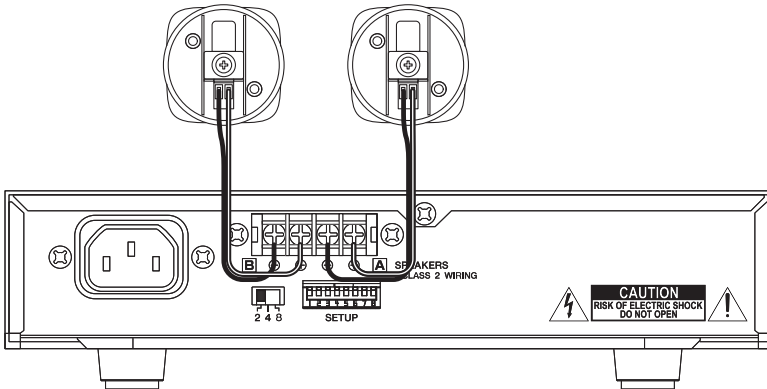
- Set up the system in a way so that no load will be applied to the speaker cables.
- This unit does not support any speakers other than the VSP-SP2.
Be sure to connect the VSP-SP2 speakers, which are exclusively used for this speech privacy system.

Note

- Speaker cable thickness can range from AWG22 (0.3 mm²) to AWG16 (1.3 mm²).

Connecting the speakers

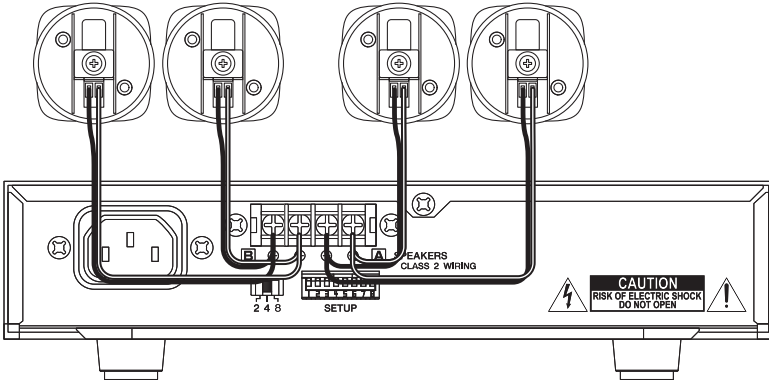
■ Connecting two speakers



1 Set the speaker switch to “2.”

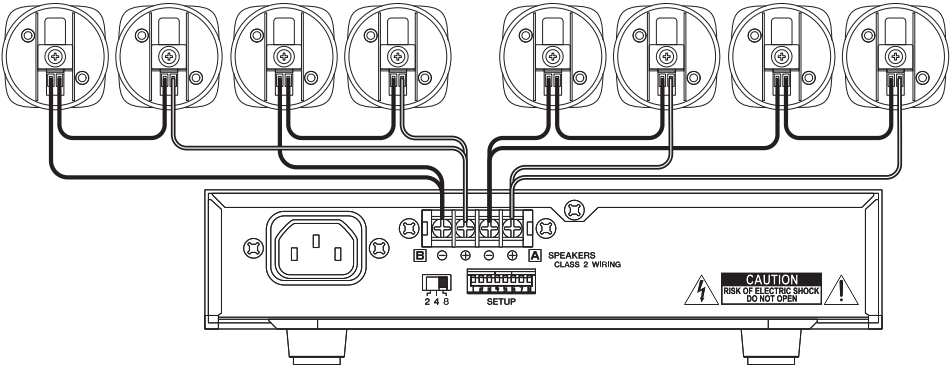
2 Use the speaker cables to connect the [+/-] terminals of one speaker to the [SPEAKERS A] terminals, and the [+/-] terminals of the other speaker to the [SPEAKERS B] terminals.

■ Connecting four speakers



- 1 Set the speaker switch to “4.”
- 2 Use the speaker cables to connect the [+/-] terminals of two speakers to the [SPEAKERS A] terminals, and the [+/-] terminals of the other two speakers to the [SPEAKERS B] terminals.

■ Connecting eight speakers



- 1 Set the speaker switch to “8.”
- 2 Use the speaker cables to connect the [+/-] terminals of four speakers to the [SPEAKERS A] terminals, and the [+/-] terminals of the other four speakers to the [SPEAKERS B] terminals.

NOTICE

- If the number of connected speakers does not match the speaker switch setting, the masking effect might not be obtained.
- Be sure to connect two, four or eight speakers.

Connecting the speaker cables

The [SPEAKERS] terminals on the rear panel are the barrier strip type. This section explains how to use a speaker cable with a Y spade plug and a speaker cable with exposed core wire tips respectively for speaker connection.

NOTICE

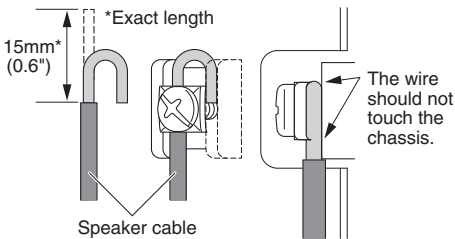
- Set up the system in a way so that no load will be applied to the speaker cables.
- Be sure to connect the VSP-SP2 speakers, which are exclusively used for this speech privacy system.

Note

- Be sure to connect the amplifier's + and - terminals to the speaker's + and - terminals respectively.
Otherwise, the phase will be reversed and the sound will not be output properly.

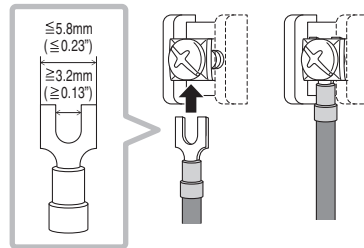
■ Using the speaker cable with exposed core wire tips

Loosen the screw, coil the exposed wires around the barrier strip terminal, and then tighten the screw carefully so that the cable will not be detached. Do not allow the exposed core wires to touch the chassis.

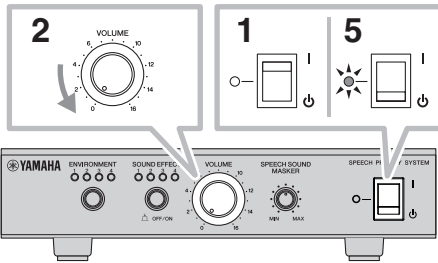


■ Y spade plug:

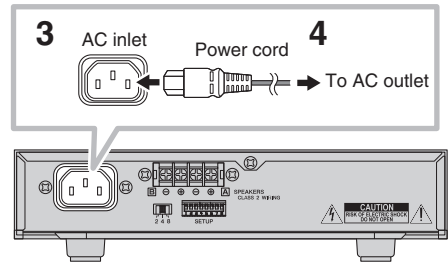
Loosen the screw, insert the Y spade plug all the way, and then tighten the screw so that the plug will not be detached.



2. Connecting the power cord and turning on the power to the unit



VSP-CU2 front panel



VSP-CU2 rear panel

- 1 **Make sure that the power switch is set to standby.**
- 2 **Rotate the VOLUME (Main) knob counter-clockwise all the way.**
- 3 **Connect the included power cord to the AC inlet on the rear panel.**
- 4 **Insert the power cord plug to an AC outlet.**
- 5 **Turn the power switch On.**

CAUTION

- Be sure to use a unit with a power voltage appropriate for your area. If you use it in an area where the voltage is different, fire, electrical shock or malfunction may occur.

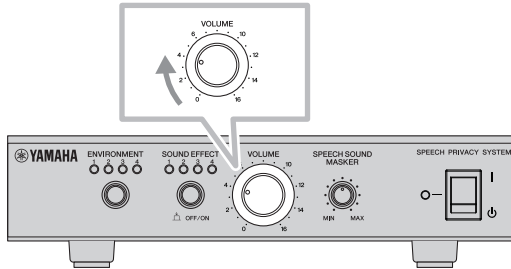
Note

- Before turning on the power to the unit, make sure that all connections are properly made.
- The unit will retain the settings when you turn the power off. The next time you turn the power on, the unit will play a sound reflecting the stored settings.

3. Adjusting the volume level

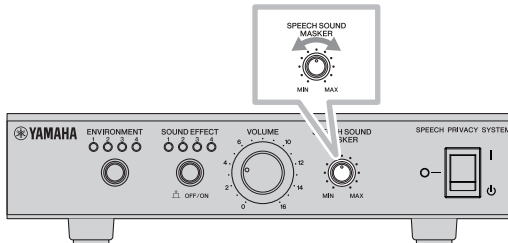
The optimum volume level varies depending on the volume level of the relevant human voices, environmental settings and setup conditions. Please adjust the level while referring to “6. Installation” (page 20).

1 Adjust the volume level using the VOLUME (Main) knob.



4. Adjusting the masking ratio

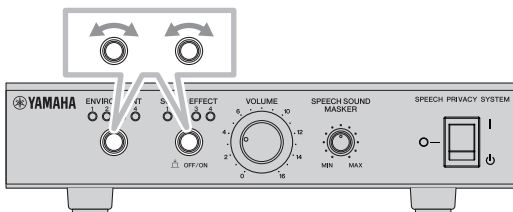
You can use the SPEECH SOUND MASKER volume knob to adjust the ratio of the speech sound masker relative to the masking tone being played. With the “MIN” setting, only the environmental sound will be played. As you rotate the knob clockwise toward the “MAX” setting, the ratio of the speech sound masker will increase. The entire volume level will not change even if the masking ratio is changed.



5. Selecting an environmental sound and sound effect

Four environmental sounds and four sound effects are available. Select your preferred sound and effect to suit your situation.

- 1 Rotate the ENVIRONMENTAL selector knob and the SOUND EFFECT selector knob respectively.



■ What is an environmental sound in this system?

Each sound option in this system incorporates a different environmental sound, such as the sound of rustling trees in a forest or a murmuring brook, which contributes to the creation of a comfortable environment. In this way, these sounds will enhance the masking effect generated by the information masking sound.

Environmental sound #	Sound
1	Forest sound
2	Murmuring brook
3	Urban clatter
4	Room air conditioner

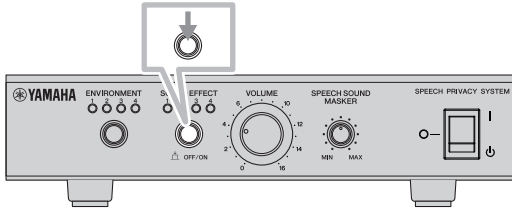
■ What is a sound effect?

A sound effect, such as the sound of musical instruments or digital devices, adds some flavor to the environmental sound, and can effectively camouflage a conversation.

Sound effect #	Sound effect
1	Guitar
2	Piano
3	Music box
4	Digital device

■ If the sound effect disturbs you:

To mute the sound effect, press the SOUND EFFECT selector knob. The SOUND EFFECT indicator will turn off, and the sound effect will be muted. Press the SOUND EFFECT selector knob again to turn the SOUND EFFECT indicator on. The sound effect will be played again.



Note

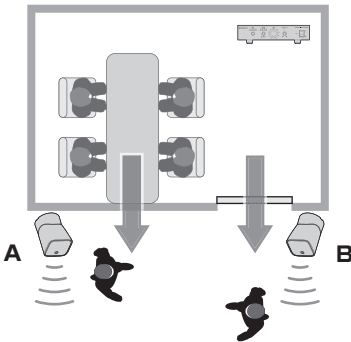
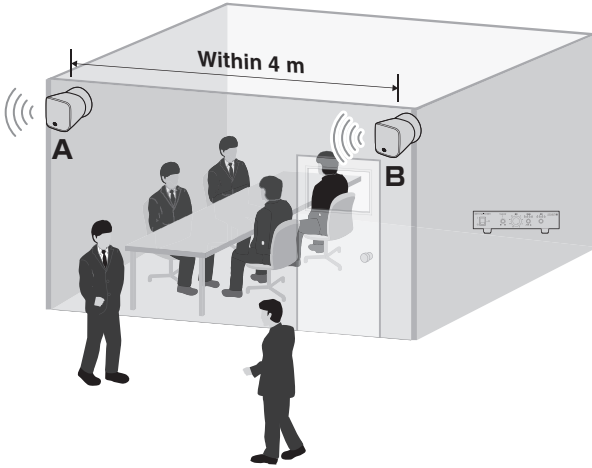
- If the BGM is already playing in your environment, we recommend that you turn the sound effect off.
- The sound effect on/off setting is stored even after you turn off the power to the unit. When you turn the power on again, the stored setting will be used.
- For fail-proof operation, you need to rotate the ENVIRONMENT or SOUND EFFECT selector knob until you hear two clicks to effectively select the next sound or effect option.

6. Installation

■ Application example ①

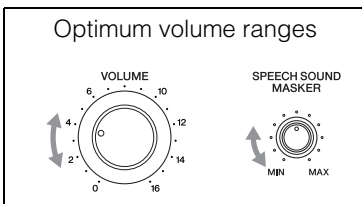
Conference room → hallway (one direction)

Preventing the conference from leaking outside the room



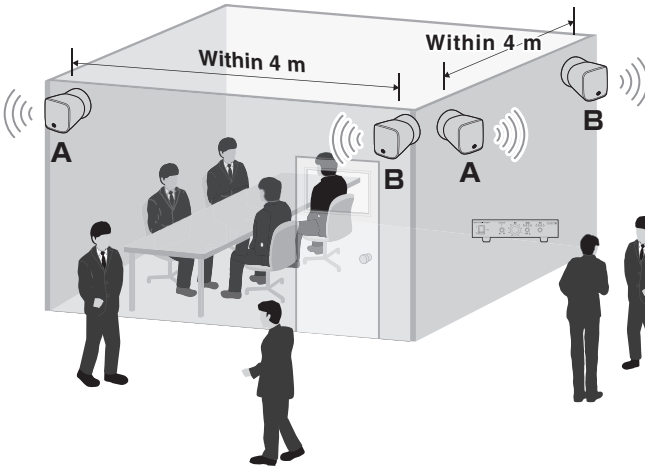
VSP-CU2: 1 unit
VSP-SP2: 2 units

- Install two speakers in the area (hallway) where you want to avoid privacy leakage.
- Install the speakers within a distance of 4 m of each other.

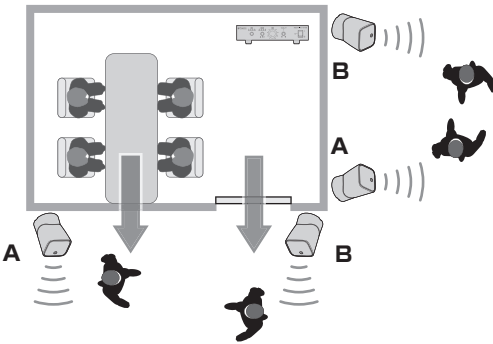


■ Application example ②

Conference room → hallways (two directions)
 Preventing the conference from leaking outside the room

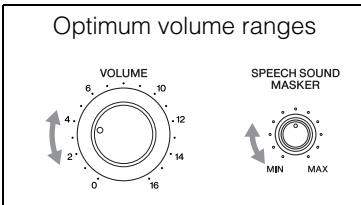


SETTING UP



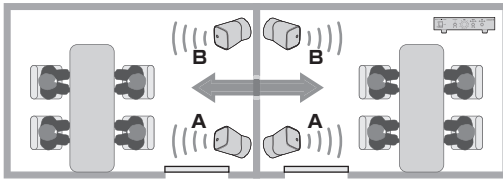
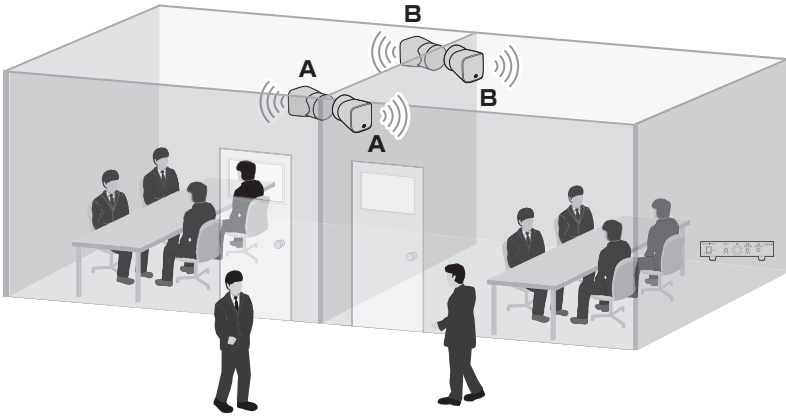
VSP-CU2: 1 unit
 VSP-SP2: 4 units

- Install two speakers in each area (two adjacent hallways) where you want to avoid privacy leakage.
- Install the speakers within a distance of 4 m of each other.
- Position speakers A and B alternately.



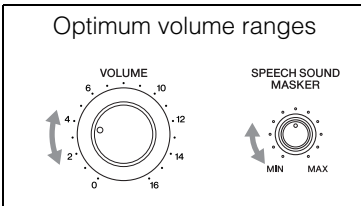
■ Application example ③

Conference room ↔ conference room (bi-directional)



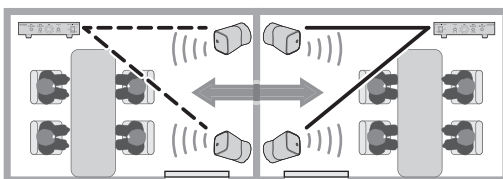
VSP-CU2: 1 unit
VSP-SP2: 4 units

- Install two speakers in each area (each conference room) where you want to avoid privacy leakage.
- Install the speakers on the walls shared by two conference rooms.
- Install the speakers within a distance of 4 m of each other.



Note

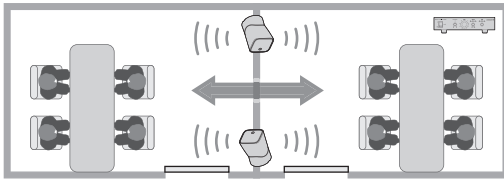
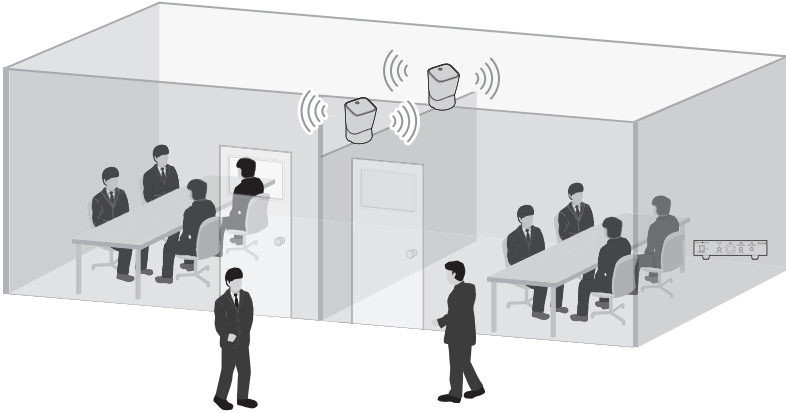
- If you use two VSP-CU2 units, you will be able to configure independent masking settings (volume level, environmental sound, and sound effect) for each conference room.



VSP-CU2: 2 units
VSP-SP2: 4 units

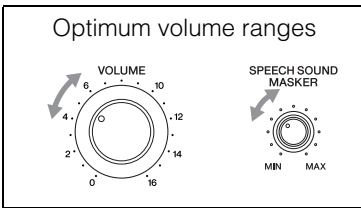
Application example ④

Conference room ↔ conference room (bi-directional) * The shared wall is partially open.



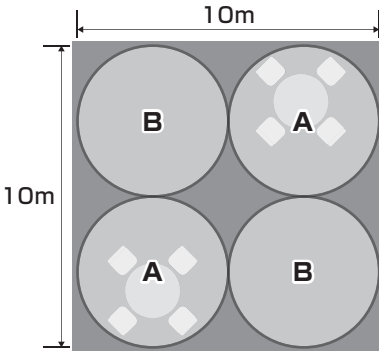
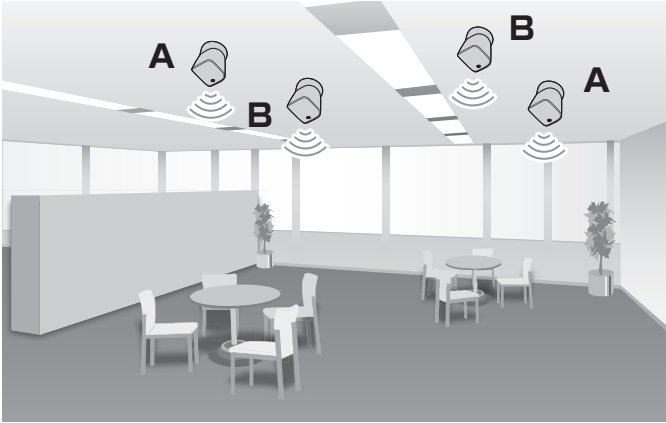
VSP-CU2: 1 unit
VSP-SP2: 2 units

- Install two speakers on top of the shared divider wall so that they will point toward the ceiling.
* If you cannot install the speakers on top of the shared divider wall, use four speakers, installing two speakers on each side of the shared divider wall, in the same manner as described in application example ③.
- Install the speakers within a distance of 4 m of each other.



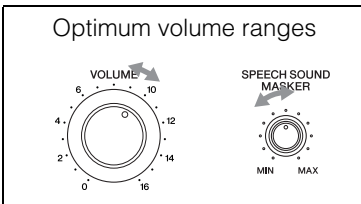
■ Application example ⑤

Open space



VSP-CU2: 1 unit
VSP-SP2: 4 units

- Install the speakers on the ceiling.
- Position speakers A and B diagonally.
- If the ceiling height is 3 m, one speaker will produce the masking effect over an area of approx. 5 m in diameter.
- If you install four speakers evenly, they will produce the masking effect over an area of 10 m x 10 m.



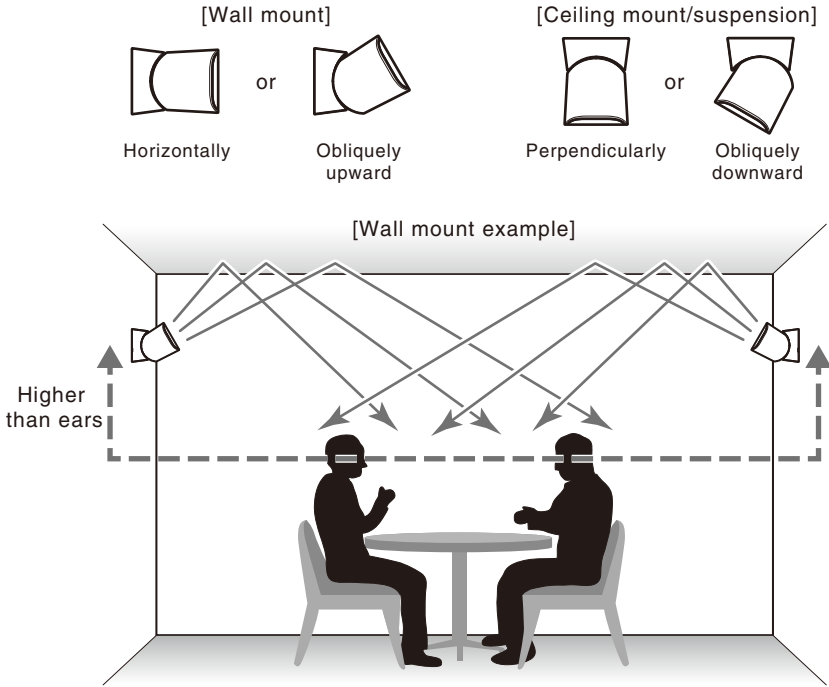
Note

- If track lighting rails have already been installed, you can use the rail mount adaptor included in the speaker package to install the speaker on the track lighting rail.

Position and orientation of the speakers

Position the speakers so that the sound will reach people indirectly, not directly.

- Mounting on a wall: Install the speakers higher than people's ears, pointing them horizontally or obliquely upward.
- Mounting on or suspending from a ceiling: Point the speakers perpendicularly or obliquely downward.



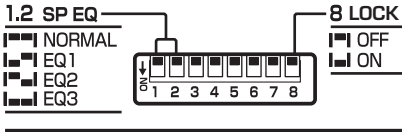
CAUTION

- Before installing the speakers on a wall or ceiling, make sure that the mounting location is strong enough to support the speakers. Otherwise, the speakers may fall, causing breakage or personal injury.

EQ setting that fits the speaker location

The VSP-CU2 enables you to configure the optimum EQ setting that fits the speaker location, thus producing a stable masking effect.

SETUP



■ SETUP 1, 2 SP EQ

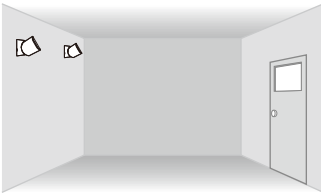
NORMAL: Installing the speakers on a wall

EQ1: Installing the speakers on a ceiling

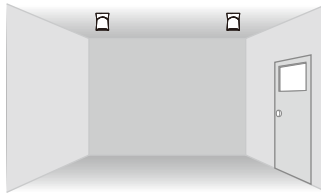
EQ2: Installing the speakers in the corner of a room

EQ3: Installing the speakers away from a wall (e.g., suspended from a ceiling)

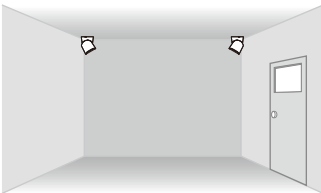
NORMAL



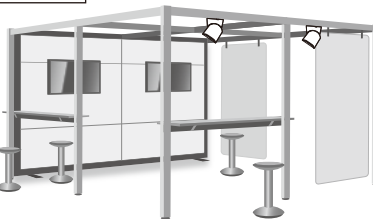
EQ1



EQ2



EQ3



Locking the settings (Lock function)

You can lock the settings so that they will not change due to accidental operation.

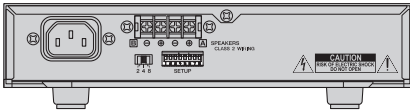
How to lock the settings

With the Lock function enabled, the settings will not change even if you operate the VOLUME knob, SPEECH SOUND MASKER volume knob, ENVIRONMENT selector knob or SOUND EFFECT selector knob.

Note

- You can still turn the power on or set it to standby mode, or change the EQ selector switches.

- 1 **Set pin 8 of the SETUP dip switches on the rear panel to the On position.**



The Lock function is enabled. While the settings are locked, all indicators, excluding the power indicator, will turn off. While the Lock function is enabled, if you operate the VOLUME knob, SPEECH SOUND MASKER volume knob, ENVIRONMENT selector knob or SOUND EFFECT selector knob, the power indicator will flash for five seconds.

Note

- The settings will be locked even if you set the power to standby mode and then turn it on again.

How to disable the Lock function

- 1 **Set pin 8 of the SETUP dip switches on the rear panel to the Off position.**

The Lock function is disabled. Audio output will reflect the VOLUME and SPEECH SOUND MASKER knob settings at the time the Lock function is disabled.

Troubleshooting

Before consulting your Yamaha dealer

Please review the Owner's manual.

Please read it thoroughly to determine whether the problems can be resolved. If the problems cannot be resolved, contact your Yamaha dealer.

Indicator problems

Symptom	Cause	Action
No indicator turns on.	The power switch is set to standby.	Turn the power switch on.
	The power cord is not connected to the AC inlet.	Connect the power cord to the AC inlet on the rear panel of this product securely.
	The power cord is not connected to the AC outlet.	If the power cord is unplugged from the AC outlet, plug it in securely.
	The main circuit breaker or the corresponding individual line breaker is shut down.	If the breaker is turned off, turn it on. If the breaker is already turned on, first turn it off, and then turn it on again.
	Power outage	Wait until the power is restored.
	The electricity is not present at the AC outlet. (Other electric appliances connected to this AC outlet do not work either.)	If other electric appliances do not work either, request a repair to the AC outlet and the building's electric wiring. If other electric appliances work, request a repair to this product.

Audio problems

Symptom	Cause	Action
No audio	The volume level is set to minimum.	Raise the volume level.
No effect sound	The sound effect is turned off.	Push the SOUND EFFECT selector knob to turn the sound effect on.
If you raise the volume level to obtain sufficient masking effect, the masking sound gets too loud and noisy.	The speaking voice is too loud.	Ask the person to speak with a softer voice.
	The area in which you want to produce the masking effect is too large.	Increase the number of speakers connected to this product.

Symptom	Cause	Action
The masking sound seems noisier than before.	The location of the speakers has changed.	Position them in a proper location.
	Ambient noise is getting quieter.	Adjust the volume level if necessary.
	The number of speakers does not match the speaker switch setting.	Set the speaker switch correctly.
The sound effect is too noisy.	Sound effects are output from multiple units (if you are using multiple units of this product).	Reduce the number of units that output the sound effect.
The environmental sound or the volume level has changed suddenly.	Someone touched the knobs or switches.	Enable the Lock function.
The volume level does not change.	The Lock function has been enabled.	Disable the Lock function.
The environmental sound does not switch.	The Lock function has been enabled.	Disable the Lock function.
The sound effect cannot be turned on or off.	The Lock function has been enabled.	Disable the Lock function.

The masking effect is very poor

Symptom	Cause	Action
The speech content is intelligible.	The volume setting on this product is not appropriate.	Set an appropriate volume level following the instructions in this document.
	The speaking voice is too loud.	Ask the person to speak with a softer voice.
	The area in which you want to produce the masking effect is too large.	Increase the number of VSP-CU2 units and/or VSP-SP2 speakers.
The masking effect seems poorer than before.	The speakers are blocked by objects.	Do not place any objects in front of the speakers.
	The orientation or location of the speakers has changed.	Position them in a proper location.

Main specifications

External Dimensions:

214.6 × 55.1 × 288.4 mm

(Including the knobs and rubber feet)

Net Weight:

Main unit 1.8 kg

Power Supply:

AC120 V (60 Hz)

Power Consumption:

Max 14 W

Operating Environment:

Operating temperature: 0 - 40 °C

Operating humidity: 15 - 80%
(No condensation)

Supported speaker:

VSP-SP2

Accessories:

Power cord, Owner's Manual

ADDRESS LIST

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