

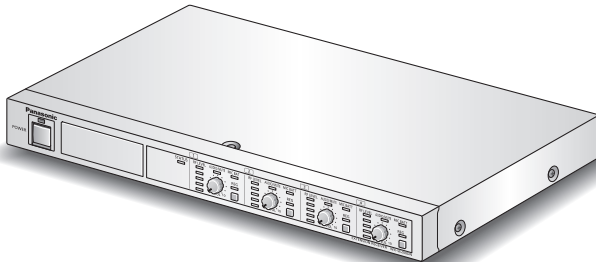
Panasonic®

Operating Instructions

Included Installation Instructions

Extension Receiver For professional use only

Model No. **WX-SE200DNP**



ENGLISH

FRANÇAIS

APPENDIX

Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.

The model number is abbreviated in some descriptions in this manual.



PUQX1040YA

Safety precautions



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

 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 appliance.

Power disconnection. Unit with or without ON-OFF switches have power supplied to the unit whenever the power cord is inserted into the power source; however, the unit is operational only when the ON-OFF switch is in the ON position. Unplug the power cord to disconnect the main power for all units.

WARNING:

- To prevent fire or electric shock hazard, do not expose this apparatus to rain or moisture.
- The apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
- The mains plug or an appliance coupler shall remain readily operable.
- This device complies with Part 15 of the FCC Rules and Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two 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.

For Canada.
CAN ICES-3(A)/NMB-3(A)

For U.S.A.

FCC Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For U.S.A.

Supplier's Declaration of conformity
Trade Name: Panasonic
Model No.: WX-SE200DNP
Responsible Party:

Panasonic Corporation of North America
Two Riverfront Plaza, Newark, NJ
07102-5490

Support Contact: 1-800-491-9986
wirelessmicsupport@us.panasonic.com



For U.S.A.

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.

For U.S.A.

The model number and serial number of this product may be found on the surface of the unit.

You should note the model number and serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

Model No. _____

Serial No. _____

Descriptions of graphic symbols



This symbol indicates alternating current (AC).



This symbol indicates a c-UL certification mark in the United States.



This symbol indicates double insulation.

Safety precautions

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 install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 8) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 9) Only use attachments/accessories specified by the manufacturer.
- 10) 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.
- 11) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 12) 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.



Before use

Product overview

This product is an extension receiver for 1.9 GHz digital wireless microphone systems. By connecting this unit to a wireless receiver (WX-SR204DNP: sold separately), it is possible to receive audio from wireless microphones (WX-ST200P and WX-ST400P: both sold separately) via a wireless antenna (WX-SA250P: sold separately) and wireless receivers and adjust the volume for output over the Dante audio network.

- Connecting this product enables up to 8 wireless microphones to be used with a WX-SR204DNP system.
- Connections can be made to non-redundant or redundant Dante audio networks.
- Both channel isolated output and mixed output are supported for audio output to Dante audio networks.

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Before use

- ④ ANY PROBLEM CAUSING FAILED SIGNAL TRANSMISSION RESULTING IN CONSEQUENTIAL INCONVENIENCE, LOSS OR DAMAGE, ARISING OUT OF CAUSES SUCH AS SYSTEM MALFUNCTION, FAULT, SET UP OR INSTALLATION.
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All intellectual property related to Dante is held by Audinate.

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What is Dante?

Dante is a protocol developed by Audinate which enables the simultaneous handling of multiple audio signals with differing sampling frequencies and bit rates, along with device control signals, in network environments that support gigabyte-sized Ethernets.

Refer to Audinate's website for more information about Dante.

<http://www.audinate.com/>

Dante Controller

Dante Controller is an application that allows you to make settings for the Dante network and establish audio routing. Dante Controller is used to make the settings for the Dante network on this product. Refer to Audinate's website.

Open source software

The Dante network interface section of this product uses the following open source software:

[GPL/LGPL]

PetaLinux

uClibc

u-boot

busybox

[Other than GPL/LGPL]

xnprintf for C/C++

tropicssl

Precision Time Protocol daemon

mDNSResponder

libsodium

Linux kernel

Third party software licenses included with this product

Refer to the [Licenses] appendix for these licenses.

Third party software licenses included with the Dante network interface section of this product

For at least 3 years from the date of purchase, we will provide, at customer's expense, complete machine-readable source code for software licensed under GPL V2.0, LGPL V2.1, LGPL V3.0, or a license based on other conditions that meet source code disclosure requirements, along with information on the respective copyright holders, to customers who contact us at the following e-mail address.

Contact: oss-cd-request@gg.jp.panasonic.com

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Before use

Abbreviations

This manual uses the following abbreviations.

- “Extension Receiver (WX-SE200DNP)” is referred to as “this product” or “extension receiver”.
- “Wireless Receiver (WX-SR204DNP: sold separately)” is referred to as “receiver”.
- “Wireless Microphone (WX-ST200P/WX-ST400P: both sold separately)” is referred to as “microphone”.
- “Wireless Antenna (WX-SA250P: sold separately)” is referred to as “antenna”.
- “Personal computer” is referred to as “PC”.
- “Dante®” is referred to as “Dante”.

All information on separately-sold products contained in this manual is up-to-date as of April 2022. Refer to a retailer for the latest information.

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Precautions

Entrust building operations to a retailer

The building operations needed to install this product require skill and experience. There is a risk of fires, electric shocks, injuries, and damage to property.

- Always ask a retailer to do this.

Not suitable for use in locations where children are likely to be present

For information about screws and other parts required for installation, refer to the corresponding section of this document

Plug the power plug all the way in

An improperly plugged power plug may lead to electric shocks, overheating, and fires.

- Do not use damaged power plugs or loose power sockets.

Directly grab the plug to remove the power cable from the socket

Failing to do so may damage the cord and lead to fire or electric shocks.

Turn the product OFF before performing maintenance

Failing to do so may cause electric shocks.

Regularly remove dust from the electric plug

The insulation on a dusty plug may fail when it is subject to elements such as humidity, thus leading to fire or electric shocks.

- Remove the power cord and clean it with a dry cloth.

If the product shows any abnormality, immediately stop using it

If the product shows abnormalities such as smoke or an unusual smell, continuing to use it may pose a fire hazard.

- Immediately remove the power cord and contact the retailer.

Do not attempt to repair or wire the product while it is turned ON

It may lead to fire or electric shock.

Do not pull on cables and other components

It may lead to fire or electric shock.

Do not damage the cables

Placing heavy objects on the cables or squeezing them in tight places will damage them, which could cause fires or electric shocks.

Do not use near flammable gases

Doing so may lead to explosions and accidents or injuries.

Do not install the product where there is a risk of damage from seawater or corrosive gases

This may cause the mounting unit to deteriorate, leading to accidents and injuries.

Do not install at places exposed to large amount of humidity and/or dust.

It may lead to fire or electric shock.

Do not place on unstable surfaces

Failing to do so may cause the product to fall leading to accidents and injuries.

Do not use where there is a risk of exceeding the maximum recommended wattage for the socket or the wiring, and only use AC 120 V

Overloading multi-outlet extension cords could result in overheating and fires.

Do not let foreign substances into the product

Water or metals entering the antenna may lead to fires or electric shocks.

- Immediately remove the power cord and contact the retailer.

Avoid damaging the power cord and power plug

(by breaking them, tampering with them, bringing them near heat sources, bending them excessively, twisting them, pulling on them, placing heavy objects on them, tying them, etc.)

Using a damaged power cord or power plug may cause electric shocks, short circuits, or fires.

- Entrust the repair of the power cord and power plug to a retailer.

Do not insert or pull the power plug with wet hands

Failing to do so may cause electric shocks.

Hold the power plug to disconnect the power cord

Do not pull the power cord since it can cause fire, electric shock, etc.

Do not attempt to disassemble or remodel the product

It may lead to fire or electric shock.

Do not wet

It may lead to fire or electric shock.

- Immediately remove the batteries and contact the retailer.

Do not place containers full of water or other liquids on or near the product

If wet, the product may lead to fire or electric shocks.

- Immediately remove the power cord and contact the retailer.

Do not perform the installation and wiring work during a thunderstorm

It may lead to fire or electric shock.

Usage precautions

Other than the aforementioned “**Precautions**”, make sure to follow the points below.

This product is a professional equipment

This product is intended for indoor use only

- It cannot be used outdoors.
Avoid exposing the product to direct sunlight for extended periods of time, and do not install it near air conditioners or heaters. Failing to do so may lead to damage to the shape and color of the product, and may cause it to malfunction. Also avoid exposure to water droplets and bubbles.

Use this product with care

- This product contains delicate components which may be damaged by improper use or storage.
- Repair or replace any damaged components.

The operating temperature range is

- Between 0 °C (32 °F) and 45 °C (113 °F). Using the product outside of this range may cause it to malfunction or to be damaged.

The power switch

- Turning the [POWER] switch to the OFF position will turn the extension receiver OFF, but it will not interrupt the flow of current. (The [POWER] indicator being off does not necessarily mean that there is no power going through the extension receiver.) Remove the power cord from the power outlet to completely break off the flow of current to the extension receiver.

Power

- The extension receiver uses AC 120 V (60 Hz) power. Connect the extension receiver to an enough capacity power source.
- Connect the power cord to the power source in one of the following ways.
 - Install the extension receiver near the electric outlet, allowing for easy access to the power plug.
 - Connect it to a breaker panel with at least 3.0 mm (1/8 inches) of space between contacts. Use a breaker which can cut off power from all poles except the protective ground connection.

Microphone remaining battery level indication

- When the distance between the microphone and the antenna is too far, the signal reception becomes unstable so that microphone remaining battery level may not be obtained. Keep the proper distance to ensure a stable wireless connection when using the remaining battery level indication function. Refer to the receiver manual for information about the distance (wireless reach) from the microphones to the antenna.

When turning the power switch to ON or OFF

- All connected peripheral devices and power amplifiers have to be turned OFF before the power switch operation. Failing to do so may cause a clicking noise which could potentially damage the speakers or other peripheral devices.

When not using for an extended period of time

- Turn the power switch to OFF and remove the power plug from the electric outlet.

Condensation

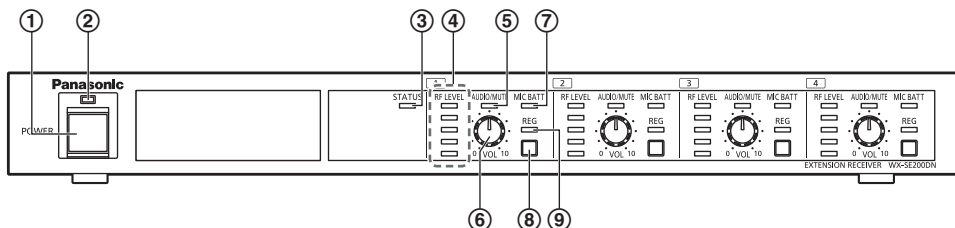
- Be careful of condensation, as it may cause malfunctions.
Condensation is likely to happen in the following scenarios:
 - High humidity
 - Moving from a cold place to a hot or humid one
- If condensation does happen, wait for one to two hours and make sure that all condensation is gone before turning ON the equipment.

Maintenance

- Perform it after having turned OFF the product. It may lead to injury.
- Clean the product with a dry, soft cloth.
- Do not use volatile chemicals such as paint thinner or benzine.
- When using chemically treated cloths, carefully read the included instructions.
- When the product is particularly dusty, use a vacuum cleaner etc. to clean it.

Parts and their names

Front



① Power switch [POWER]

Turns the power ON/OFF.

② Power indicator (green)

Lights when the power is turned ON. Goes off when the power is turned OFF.

③ Status indicator [STATUS]

Indicates the status of communication with the extension receiver.

On (green): Normal

Blinking (green): Error (no receiver or unable to communicate with the receiver)

Off: Power is OFF.

④ Reception level indicator [RF LEVEL]

Shows the reception level of the microphone RF signal on each channel in five increments. Installing the wireless antenna and selecting the antenna field in such a way that the microphone always shows at least three green lines (level 3) within its usage area will ensure stable operation.

On (5 green lines): Level 5 (Max.)

On (4 green lines): Level 4

On (3 green lines): Level 3

On (2 green lines): Level 2

On (1 green line): Level 1 (Min.)

On (1 to 5 red lines): Reception error

All off: No paired microphone, or no signal from the paired microphone

⑤ Audio level indicator / mute status indicator [AUDIO/MUTE]

Shows the audio level of the signal from the microphones on each channel.

On (red): Peak

On (orange): Close to peak

On (green): Audio is being received

Slow blinking (red): Muted (when this device is being controlled remotely)

Quick blinking (red): Volume adjustment knob cannot be operated (when this device is being controlled remotely)

Off: No audio

If the volume adjustment knob is operated in the external remote state, the volume level indicator blinks quickly (red) and volume adjustment is not possible.

⑥ Volume adjustment knob [VOL 0, 10]

Adjusts the volume of the microphone on the respective channel.

⑦ Microphone battery indicator [MIC BATT]

Changes color (green/orange/red) depending on the residual battery level of the microphones on each channel. See “Confirm the remaining battery level of the microphone” (page 34) for details.

⑧ Pairing button

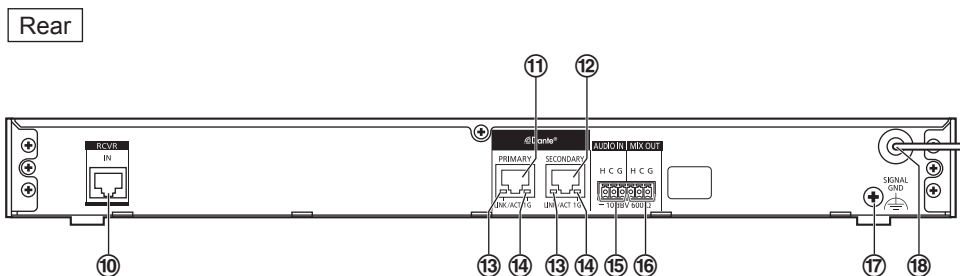
This button controls the pairing between microphones and each channel on the extension receiver.

- Pairing: Keep the [REG] button pressed for more than two seconds to enter pairing mode. (page 28)
Exit pairing mode by shortly pressing the [REG] button once while in pairing mode.
A channel cannot enter pairing mode when the microphones paired to that channel are currently active.
- Pairing confirmation:
Shortly press the [REG] button to enter pairing confirmation mode. (page 35)
Exit pairing confirmation mode by shortly pressing the [REG] button once more.

⑨ Pairing indicator [REG]

Shows the current operation mode (pairing, pairing confirmation) of the channel.

- | | |
|--------------------------------------|----------------------|
| Off: | Standard mode |
| Blinking (orange): | Pairing mode |
| On (green) (1 second): | Pairing successful |
| Alternately blinking (orange/green): | Pairing confirmation |



⑩ Extension receiver connector [RCVR IN]

Connect the receiver (EXT OUT) and the extension receiver (RCVR IN) with a LAN cable.

Parts and their names

⑪ Dante Network Primary connector [PRIMARY]

Ports (RJ45) used to connect to Dante devices with LAN cables.

Connect to the primary line in Dante network when there is a redundancy network.

Audio is output as follows from the product to the Dante network:

Audio from each channel of the product;

Mixed audio from all of the product's channels and the audio input to the [AUDIO IN] connector.

⑫ Dante Network Secondary connector [SECONDARY]

Ports (RJ45) used to connect to Dante devices with LAN cables.

Connect to the secondary line in Dante network when there is a redundancy network.

Audio is output as follows from the product to the Dante network:

Audio from each channel of the product;

Mixed audio from all of the product's channels and the audio input to the [AUDIO IN] connector.



- The phase of Mix-output to the Dante network is inverted (both Primary and Secondary).

⑬ Network status indicator [LINK/ACT]

Shows the link status of the Dante network.

On (green) : Network link established

Blinking (green): Network link active

Off : No link with the Dante network

⑭ Network speed indicator [1G]

Shows the speed of the Dante network.

On (yellow) : 1 Gbps

Off : 10/100 Mbps

⑮ External input connector [AUDIO IN -10 dBV 600 Ω]

Inputs audio from external devices, mixes it and outputs it to the mix output connector and Dante audio network.

⑯ Mix output connector [MIX OUT -10 dBV 600 Ω]

Outputs audio obtained by mixing the audio from each channel with the audio input from the [AUDIO IN] connector.

⑰ SIGNAL GND connector [SIGNAL GND]

Gathers the SIGNAL GND from external devices to eliminate electrical potential difference.

⑱ Power cord

Connect the power cord to an AC 120 V 60 Hz power source.

Installation

■ Installation precautions



Warning

- Always ask a retailer to perform these operations.
- Before installation, set the power switch on the devices you want to connect to OFF.
- Carefully read the “Precautions” section and follow all of its instructions. Also refer to the manual of the devices you are connecting.
- If this product is used in a residential environment, it may cause wireless interference.

When installing this product, follow all official ordinances on electrical equipment technical standards.

This product is intended for indoor use only

- It cannot be used outdoors.
Avoid exposing the product to direct sunlight for extended periods of time, and do not install it near air conditioners or heaters. Failing to do so may lead to damage to the shape and color of the product, and may cause it to malfunction. Also avoid exposure to water droplets and bubbles.

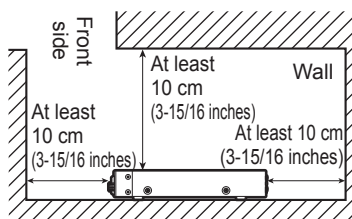
Turn the product OFF to install it

- Remove the power cord from the power socket before performing these operations. Also turn OFF all mixers, amplifiers, and other devices connected to the extension receiver. Failing to do so will result in a loud noise coming out of the speakers and possibly damaging the system.

Installation place

- This product produces a large amount of heat.

When installing product near a wall or ceiling, make sure it has at least 10 cm (3-15/16 inches) of clearance on all sides (see figure below).



- Place the product on a flat surface. Do not place it upright with the rear surface facing downward.

Installation

Do not install the product in the following places

- Places exposed to direct sunlight or hot air currents
- Places exposed to large amounts of humidity and/or dust
- Places with a lot of condensation, subject to extreme temperature variation, or with very high humidity
- Places with large amounts of steam or grease, such as kitchens
- Near speakers, TVs, magnets, and other strong magnetic sources
- Inclined surfaces
- Where there is a risk of damage from seawater or corrosive gases

When installing in a rack

- When installing the extension receiver in a rack, use one of those listed on “Installing in a rack” (page 19).
- Make sure that the temperature of the rack does not exceed +45 °C (113 °F). Not doing so damages the inner components of the extension receiver and causes it to malfunction.
- Place the extension receiver as far down on the rack as possible.

Power specifications

- The product uses AC 120 V (60 Hz) power. Connect the product to an enough capacity power source.

Power

- Turning the power switch to OFF will turn the product OFF but it will not interrupt the flow of current. Connect the power cord through a power breaking device in one of the following ways in order to be able to easily switch it OFF.
 - Install the product near the electric outlet or breaker, and connect by the power plug.
 - Connect the product to a breaker panel with at least 3.0 mm (1/8 inches) of space between contacts. Use a breaker which can cut off power from all poles except the protective ground connection.

Static electricity

- Before installing the product, discharge yourself by touching a grounded metal object in order to avoid damage caused by static electricity buildup.

Tightening screws

- Tighten screws straight up. After tightening the screws, make visual confirmation that they are straight and well-tightened.
- Do not use impact screwdrivers or electric screwdrivers, as even the ones with clutches make it difficult to control the torque, and risk damaging the mounting unit.

Avoid subjecting the product to shocks

- Protect the product from strong hits or shocks. These may cause damage to the product.

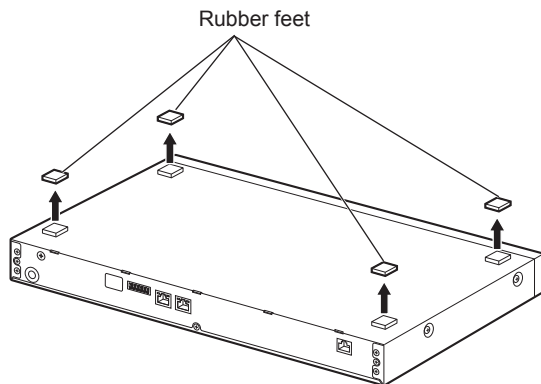
■ Installing in a rack

The extension receiver can be installed within a rack.

Use one of the following racks (sold separately) for installation.

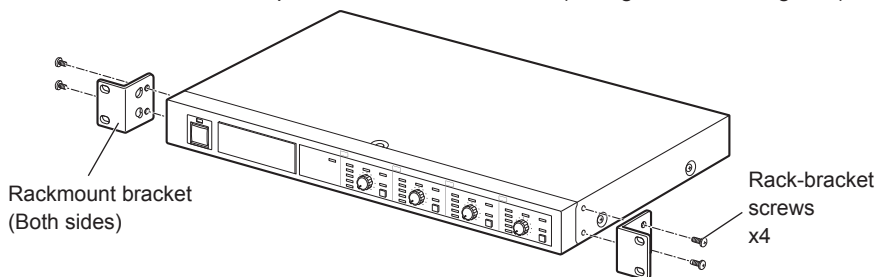
EIA-standard product: EIA 19-inch rack, at least 450 mm (17-5/8 inches) long

1 Remove the rubber feet (x4) on the bottom of the extension receiver



2 Use the included rack-bracket screws (x4) to attach the rackmount brackets to both sides of the extension receiver

- Rack-bracket screws torque: 0.88 N•m to 1.08 N•m (9.0 kgf•cm to 11.0 kgf•cm)

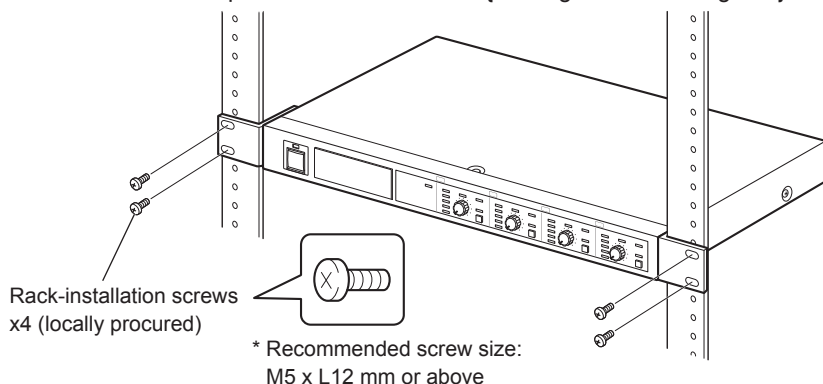


Installation

3 Install the extension receiver in the rack

Use rack-installation screws (x4) to securely fix the extension receiver.

- Rack-installation torque: 2.0 N•m to 2.4 N•m {20.5 kgf•cm to 24.5 kgf•cm}



Important

- Make sure that the temperature inside the rack does not exceed +45 °C (113 °F).
- Do not place the extension receiver near devices which diffuse large amounts of heat (eg: power amplifiers).
If it is absolutely necessary to do so, leave at least 1 U (44 mm (1-3/4 inches)) of free space between the extension receiver and the heat-diffusing device.
- When installing heat-sensitive devices in the same rack as the extension receiver, place them lower than the extension receiver itself.
- Install the rack at well-ventilated location. Ventilate the rack so that accumulated heat does not bring the internal temperature over +45 °C (113 °F).

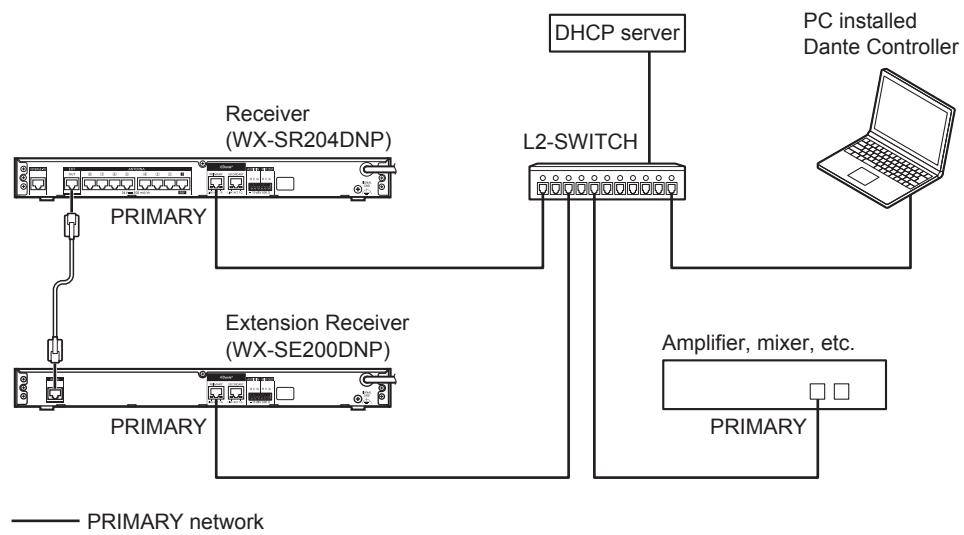
Connections

■ Connecting to the Dante network

This product can be integrated into a system that utilizes the Dante network. It is possible to output mixed audio and the audio from the microphones of each channel to the Dante network.

Example of connection to a non-redundancy network

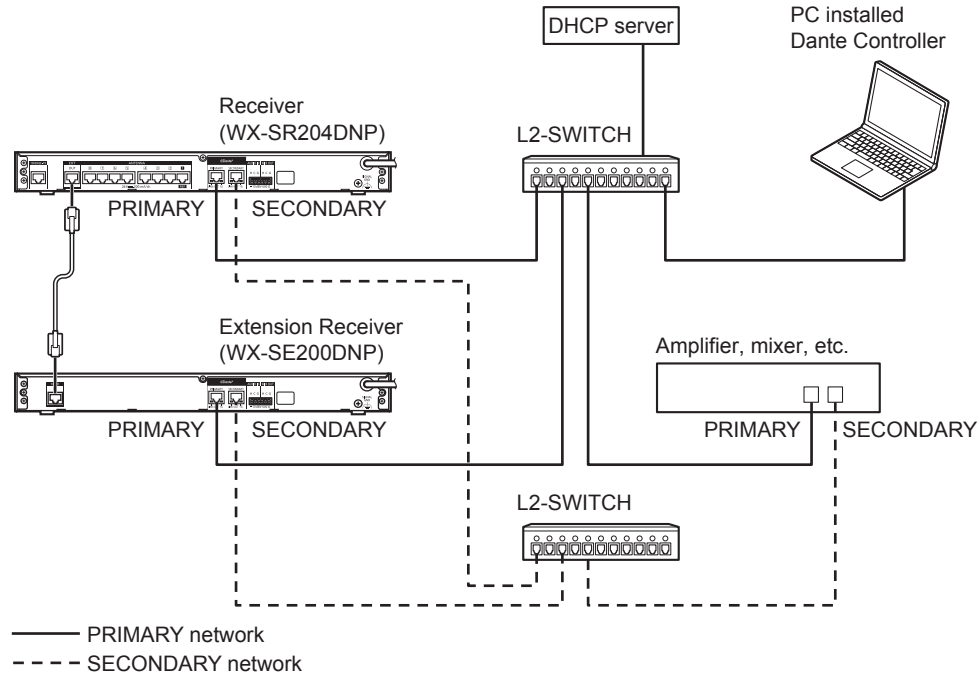
A non-redundancy network is a network that uses only a primary line. A network hub is installed at the center of the network, and consists of star connections.



Connections

Example of connection to a redundancy network

A redundancy network is a network that uses a network with two lines, a primary line and a secondary line. Network hubs are installed at the center of each of the networks, and by making star connections, a redundancy network is achieved. The use of a redundancy network means that even if a problem such as a broken line occurs in the primary line, the communications automatically switch over to the secondary line to prevent interruptions in sound.





- For security reasons, the network used as the Dante network should be a local network that is not connected to the internet.



- You will need a PC fitted with a Dante Controller in order to enable the Dante connection.
- Use a LAN cable that is Cat 5e, Cat 6, Cat 7 or better to connect in the Dante network.
- Dante network settings and audio routing settings are made using Dante Controller. Refer to Audinate's website for more information about Dante Controller.
<http://www.audinate.com/>
- For the L2-SWITCH, use one that is capable of the following functions and settings:
 - ① Gigabit packet transfer functionality
 - ② Diffserv (DSCP) QoS configuration functionality that has four strict priority queues
 - ③ Admin functionality for monitoring switch settings and statuses
 - ④ Functionality to turn off power saving modes such as EEE (Energy Efficient Ethernet), if equippedRefer to the switch manual for switch configuration and operation.
- Start audio input and output only after the status of the system's clock has sufficiently stabilized.
- The maximum length for the LAN cable (commercially available) is 100 m.

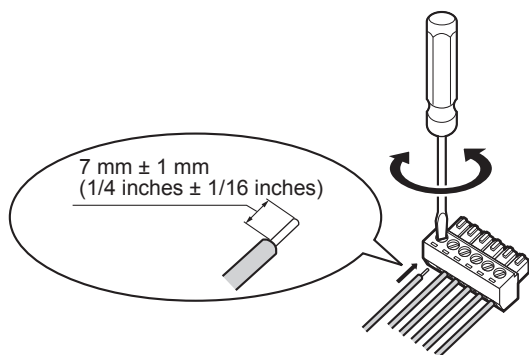
Connections

■ Connecting the Euroblock connector

The audio input and output connectors of the extension receiver use the removable Euroblock connector.

1 Connecting wires to the included Euroblock connector

Use a flat-head screwdriver to loosen the screws on the Euroblock connector. Remove a piece of coating from the wire to expose the conductor. Twist the conductor and insert it into the Euroblock connector. Finally, tighten the screws on the Euroblock connector.



Cable specifics

- Recommended cable: AWG 16 to 28 (do not use soldered cables)
- Length of the coating to be removed: 7 mm ± 1 mm (1/4 inches ± 1/16 inches)
- Screw diameter: 2 mm (1/16 inches)
- Make sure that the wires are securely connected.

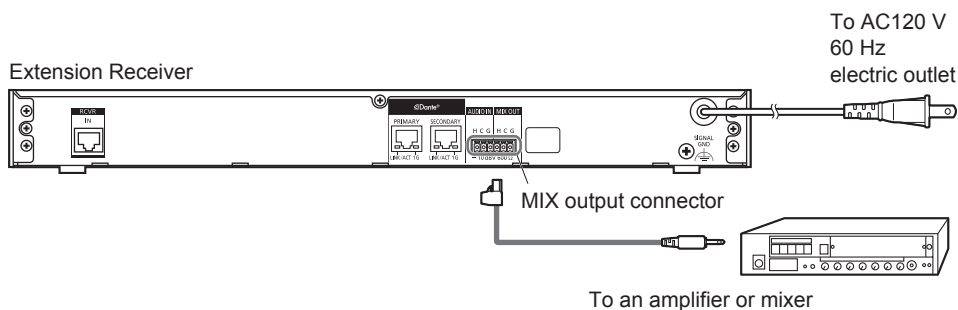
■ Connecting audio output

It is possible to mix the audio from the microphones of each channel and output this as an analog audio signal to the amplifier (or mixer).

Connect an external device such as an amplifier to the [MIX OUT] connector on the extension receiver.

1 Connect the wires to the included Euroblock connector

Connect the cables to the included Euroblock connector (6-pin) to connect to the [MIX OUT] connector of this product.



- Thoroughly connect the Euroblock connector to the extension receiver.

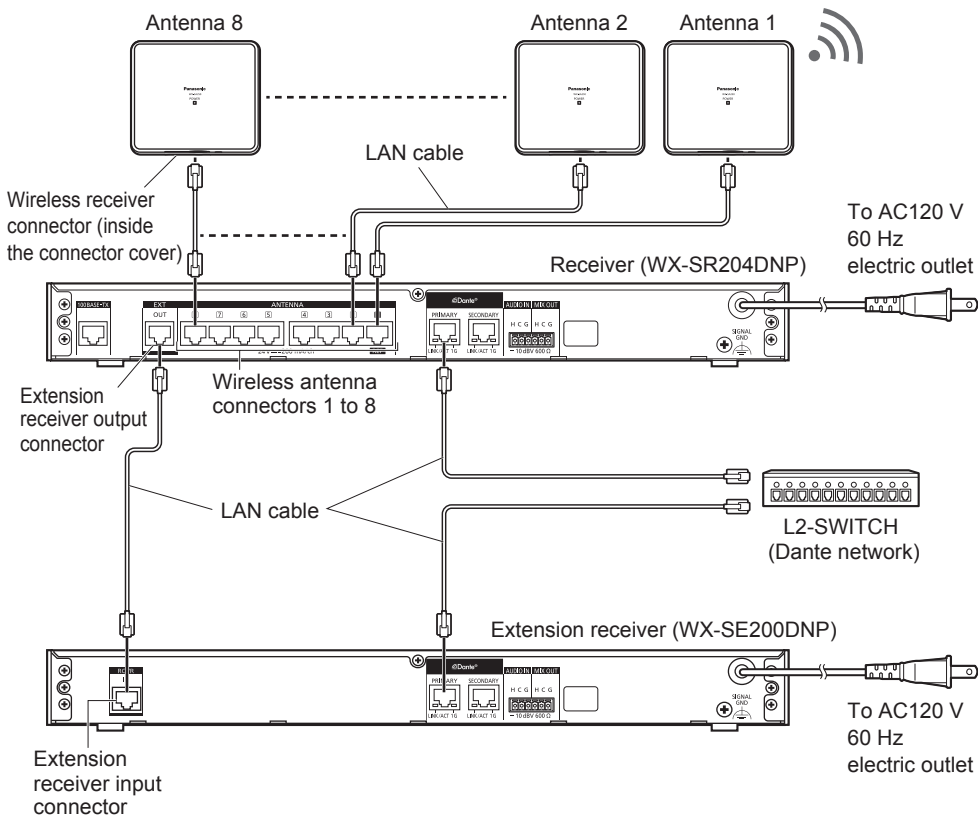
Connections

■ Connecting with a receiver

You can add four channels (four microphones) to the number of channels (microphones) that can be used simultaneously by connecting one extension receiver to a receiver. Up to one extension receiver can be connected, and a maximum of eight channels (eight microphones) can be used simultaneously with the WX-SR204DNP.

1 Connect the receiver and the extension receiver with a LAN cable

Connect the [EXT OUT] connector on the extension receiver and the [RCVR IN] connector on the extension receiver with a LAN cable.





- The extension receiver input connector of this product is a proprietary type.
Do not connect any PoE devices (hubs or routers equipped with PoE). Doing so may cause malfunctions.
- Be sure to use a straight (non-crossover) LAN cable to connect between the receiver and the extension receiver. Connecting with a crossover LAN cable may cause the extension receiver to malfunction.



- Use a LAN cable no longer than 0.5 m (1.6 ft) for the connection between the receiver and the extension receiver.
- When outputting audio from the microphones of each channel of this product to the Dante network, connect the Dante Network connector of this product to the Dante network.
- The audio of all channels can be mixed by using a connection between the receiver and the extension receiver by connecting the [MIX OUT] connector to the [AUDIO IN] connector of this product.
- When connecting the mixed output of the audio of each channel and audio of the [AUDIO IN] connector to an amplifier (or mixer), use the [MIX OUT] connectors.

Pairing

The microphone and this product must be paired with each other in order to establish a connection.

Perform pairing to use a microphone which has not yet been paired to this product or when a pairing error has occurred.

The maximum number of microphones that can be paired to an extension receiver and the maximum number of microphones which can be used simultaneously are as follows.

When the maximum number of pairable microphones is exceeded, the newest microphone will overwrite the oldest one.

Extension receiver	Maximum number of microphones that can be paired	Maximum number of microphones that can be used simultaneously
WX-SE200DNP	6 per channel	4 (1 per channel)

Refer to the microphone manual for details on the pairing procedure.



- Saving the pairing information for a paired microphone takes approximately 10 seconds. Do not turn OFF the extension receiver immediately (within approximately 10 seconds) after pairing a microphone. Pairing cannot be completed if power is turned OFF.

■ Wireless pairing

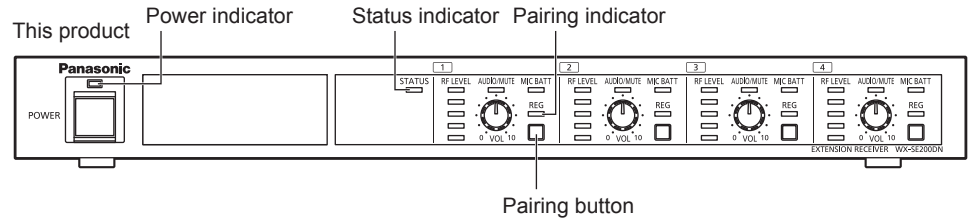
Pair a microphone via wireless communication between the microphone and a wireless antenna. Perform pairing within the wireless connection range of the antenna connected to this product via the extension receiver.

1 Remove the battery cover of the microphone

Refer to the microphone manual for further details.

2 Set this product to pairing mode

Make sure that the [POWER] indicator on the extension receiver with this product connected and the [POWER] and [STATUS] indicators on this product are lit green, then press for at least two seconds the [REG] button of the channel to which you want to pair a microphone. When the wireless receiver is in pairing mode, the [REG] indicator of the channel whose [REG] button has been pressed will blink orange. Pairing mode lasts for 30 seconds, so pair the microphone within this time.

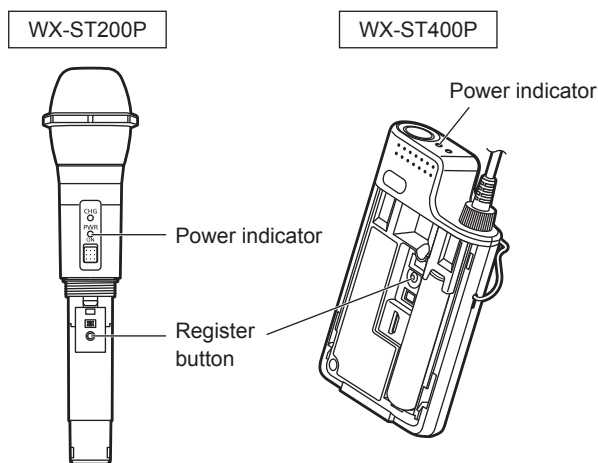


3 Pair the microphone

Keep the [REG] button on a turned ON microphone pressed for at least two seconds to start pairing it (the microphone [PWR] indicator will blink orange).

If pairing is completed successfully, the [PWR] indicator on the microphone will switch to the normal status according to the remaining battery level (green, orange, or red), and the [REG] indicator on the paired channel on the extension receiver lights green for one second and goes off.

- If pairing could not be completed successfully, the [PWR] indicator on the microphone blinks red. In that event, place the microphone as close as possible to the antenna and try pairing it again. (Pairing may fail if the microphone is too far away from the antenna or under bad connection conditions.)



4 Place the battery cover back onto the microphone

Refer to the microphone manual for further details.



- The [REG] button is invalid if the channel to which microphone is paired and if that microphone is in use. Turn the currently paired microphone power OFF, then you can pair a different microphone to the channel that is already in use.
- You cannot use pairing mode for multiple channels simultaneously.
- When a channel on the extension receiver is in pairing mode, all other channels can still be used as normal.
- Paired microphones can be removed from the configuration/maintenance PC installed the support software. Refer to the support software manual for further details.

Pairing

■ Wired pairing

Pair a microphone to the receiver via a wired connection.

The wired connection uses a conversion cable (micro type B male to type A female; locally procured) and a USB 2.0 cable (type A male to micro type B male; locally procured).

* Use a USB host (OTG) cable as conversion cable.

1 Remove the battery cover of the microphone

Refer to the microphone manual for further details.

2 Connect the microphone to the receiver with this product connected

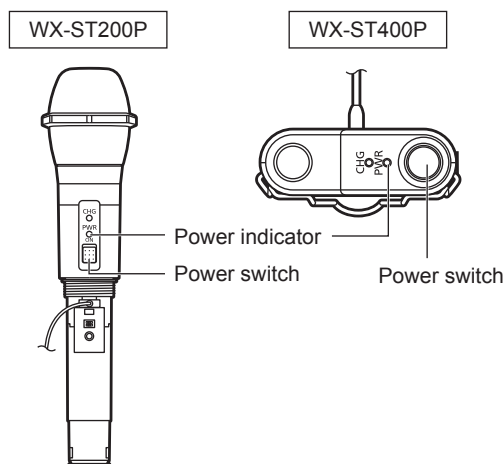
Connect the [SET] connector on the receiver with this product connected and the [SET] connector on the microphone with a conversion cable (micro type B male to type A female; locally procured) and a USB 2.0 cable (type A male to micro type B male; locally procured).

When connecting the cables, make sure that the conversion cable is attached to the receiver. If you connect the cables otherwise, you will not be able to pair the microphone.

Refer to the receiver manual for the detailed connection procedure.

3 Set the power switch on the microphone to ON

If the microphone is currently OFF, turn the power switch to ON. When the microphone and the extension receiver are connected via cable, the microphone stops transmitting audio.

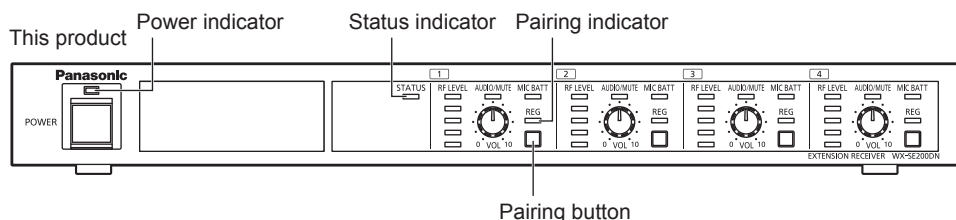


4 Pair the microphone to this product

Make sure that the [POWER] indicator on the extension receiver lights green, then press for at least two seconds the [REG] button of the channel to which you want to pair a microphone. Both the microphone and the extension receiver will enter pairing mode and pairing will start. During pairing mode, the [PWR] indicator on the microphone and the [REG] indicator of the channel whose [REG] button has been pressed on the extension receiver will blink orange.

If pairing is completed successfully, the [PWR] indicator on the microphone switches to the normal status according to the remaining battery level (green, orange, or red), and the [REG] indicator on the paired channel on the extension receiver lights green for one second and then goes off.

- If pairing could not be completed successfully, the [PWR] indicator on the microphone will blink red.



5 Unplug the microphone from the receiver

Unplug the cables connecting the microphone to the receiver.

If pairing has been completed successfully, the microphone starts transmitting audio.

6 Place the battery cover back onto the microphone

Refer to the microphone manual for further details.

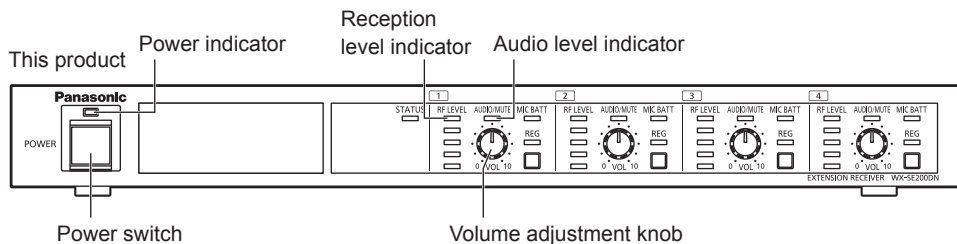


- The [REG] button is invalid if the channel to which microphone is paired and if that microphone is in use. Turn the currently paired microphone power OFF, then you can pair a different microphone to the channel that is already in use.
- When a channel on the extension receiver is in pairing mode, all other channels can still be used as normal.
- Paired microphones can be removed from the configuration/maintenance PC installed the support software. Refer to the support software manual for further details.

How to use

■ Operating microphones

Follow the steps below to operate the product.



1 Turn ON this product and the receiver

Turn the [POWER] switch on the receiver with this product connected and the [POWER] switch on this product to ON.

- The [POWER] indicators (green) on the extension receiver and this product light.
- The [STATUS] indicator on this product lights green.

2 Turn ON the microphone

Set the [POWER] switch on the microphone to ON.

- The [RF LEVEL] indicator of the channel to which the microphone is paired lights on.
- The [AUDIO] indicator lights on when audio is input to the microphone.

3 Adjust the microphone volume

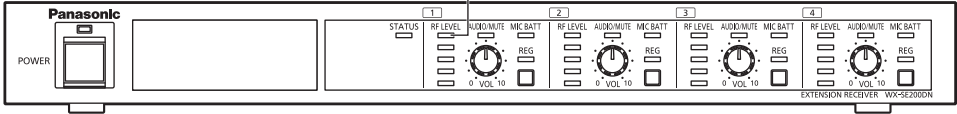
Adjust the volume adjustment knob.

■ Confirm the signal reception level

You can confirm the signal reception status.
Shows the reception level of the microphone signal on each channel in five increments.

This product

Reception level indicator



[RF LEVEL] indicator display

Indicator	Status
On (5 green lines)	Level 5 (Max.)
On (4 green lines)	Level 4
On (3 green lines)	Level 3
On (2 green lines)	Level 2
On (1 green lines)	Level 1 (Min.)
All indicators off	No paired microphone, or no signal from the paired microphones
On (1 to 5 red lines)	Reception error

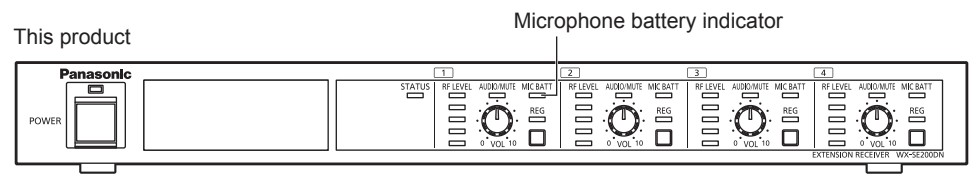


- Installing the wireless antenna and selecting the antenna field in such a way that the extension receiver always shows at least three green [RF LEVEL] lines (level 3) within its usage area will ensure stable operation.

How to use

■ Confirm the remaining battery level of the microphone

The [MIC BATT] indicator shows the battery level of the microphones on each channel in three increments. (The indicator will stay off if there is no battery information from the microphone)



[MIC BATT] indicator display

Indicator	Status
On (green)	More than 1 hour
On (orange)	Less than 1 hour
On (red)	Battery almost depleted*
Off	No data (not in call)

* Replace the batteries, or, if they are rechargeable, recharge them.

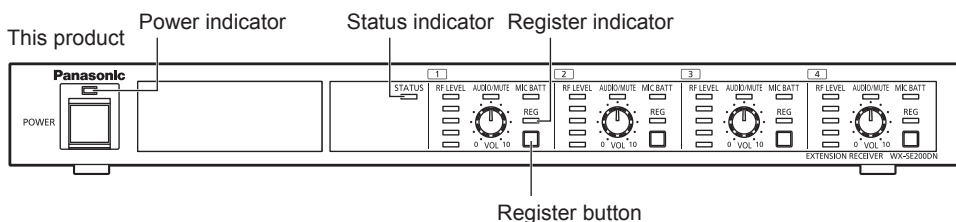


- If the battery information signal is lost, the [MIC BATT] indicator goes off, but it lights on again as soon as the signal is restored.
- The battery life depends on many variables, such as the battery manufacturer, the battery type, and the temperature within with the batteries are used.
- The indication of the remaining battery level will changes according to the microphone battery type (either alkaline or Ni-MH) set with the microphone battery setting switch on the receiver.(Refer to the receiver manual)
- Setting the battery type switch to the wrong position will not interfere with the operation of the microphone, but it may result in the orange and red indicators lighting on for too long or too short, displaying an incorrect reading of the remaining battery level.

■ Confirm the paired microphones

1 Set the extension receiver to pairing confirmation mode

Make sure that the [POWER] indicator on the receiver with this product connected and the [POWER] and [STATUS] indicators on this product are lit green, shortly press the [REG] button once on a channel which you choose to check among from the channels communicating with microphones. Then the extension receiver enters the pairing confirmation mode (the [REG] indicator turns green and orange alternately for five seconds).

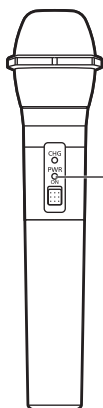


2 Check the [PWR] indicator on the microphone

While the extension receiver is in pairing confirmation mode, the [PWR] indicators of the powered-on microphones paired with the channel which is in pairing confirmation mode will turn green and orange alternately. This allows to confirm the channel/microphone pairings.

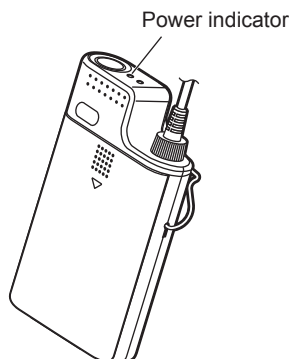
The pairing confirmation mode lasts for five seconds on both the microphone and the extension receiver, after which both will go back to their normal operation mode.

WX-ST200P



Power indicator

WX-ST400P



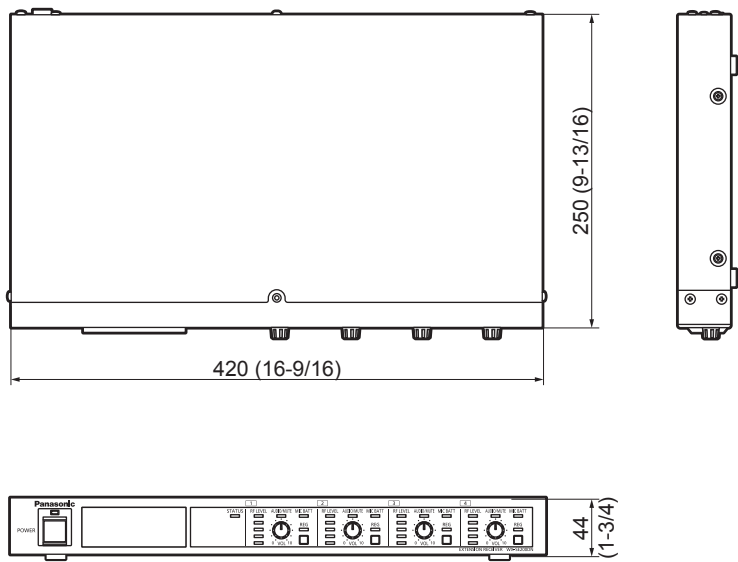
How to use



- Pairing confirmation is possible for the channels communicating with microphone (the channel on which the [RF LEVEL] indicator has at least one line lit). Pressing the [REG] button on a channel with no microphones communication will do nothing.
 - The pairing confirmation can also be performed from the microphone. The microphone audio will keep on transmitting during pairing confirmation. Also refer to the microphone manual.
 - When the [REG] indicator on the extension receiver blinks red during pairing confirmation mode, there is no microphone paired with that channel. Perform the steps described in “Pairing” (page 28).
-

Dimensions

Unit: mm (inch)



ENGLISH

Troubleshooting

Please check the common problems listed in this table before seeking professional help.

If none of the tips provided here help, if you are dealing with a problem not listed here, or if you are otherwise uncertain, contact your retailer for more information.

Problem	Cause/measure	Reference page
The product does not turn ON	Is the power plug properly inserted into a power outlet? ➡ Make sure that it is properly connected.	16, 25, 26
No audio is being output	Is the LAN cable properly plugged in? ➡ Connect the cable to a receiver connector.	15, 26
	Is the output cable properly connected to the output device? ➡ Connect the output cable to the output device.	16, 25
	Has the LAN cable become disconnected from the Dante Network connector? ➡ Check whether the LAN cable is connected to the Dante Network connector.	16, 21, 22
	Is the [POWER] switch set to ON? ➡ Set the [POWER] switch to the ON position. Also set the [POWER] switch on the connected receiver to the ON position.	14, 32
	Is the volume adjustment knob set to a value higher than [0]? ➡ Adjust the volume with the dedicated knob.	15, 32
I cannot pair microphones	Is the LAN cable properly inserted? ➡ Connect the cable to a receiver connector.	15, 26
	Are there other microphones in use? ➡ Stop using the other microphone before pairing a new one.	29, 31
	Are the batteries in the microphone exhausted? ➡ If they are, replace them (if they are nonrechargeable, alkaline batteries) or charge them (if they are rechargeable batteries) before pairing.	Microphone manual
The [STATUS] indicator is flashing green	Is the LAN cable properly inserted? ➡ Connect the cable to a receiver connector.	15, 26

Specifications

Power		120 V AC, 60 Hz
Power consumption		12 W
Frequency response		50 Hz to 15 kHz
Extension receiver input connector	No. of connectors	1
	Connector	RJ-45
	Compatible cables	Cat 5, Cat 5e, or Cat 6 straight (non-crossover) LAN cable
External input connector	Connector	Euroblock connector
	Input characteristic	-10 dBV equilibrium 600 Ω
Mix output connector	Connector	Euroblock connector
	Output characteristic	-10 dBV equilibrium 600 Ω
	S/N	64 dB or more
Dante Primary connector	Connector	RJ-45
	Connection network	Dante network
	Output type	ch1/ch2/ch3/ch4/Mix
	Indicators	LINK/ACT (Status), 1G (Speed)
Dante Secondary connector	Connector	RJ-45
	Connection network	Dante network
	Output type	ch1/ch2/ch3/ch4/Mix
	Indicators	LINK/ACT (Status), 1G (Speed)
Network connector	Connector	RJ-45
	Transmission method	100BASE-TX
Connector for [SET]	Connector	USB micro type B

Specifications

Display (indicators)	Common	Power, status
	Per-channel	RF level (5 steps), Audio level/Mute, Microphone Battery, Register
Operating temperature range		0 °C to 45 °C (32 °F to 113 °F)
Operating humidity range		0 % to 90 % (no condensation)
Dimensions		Approx. 420 mm (W) x 44 mm (H) x 250 mm (D) (16-9/16 inches x 1-3/4 inches x 9-13/16 inches) (Not considering rubber feet, knobs, and other protuberances)
Mass		Approx. 2.8 kg (6.17 lb)
Finish		Black finish

Standard accessories

Operating Instructions (this manual).....	1
Warranty Card	1
Rack mount brackets.....	2
Rack mount bracket screws (M4 x 10 mm)	4
6-pin Euroblock connector.....	1

Précautions de sécurité



ATTENTION
RISQUE DE CHOC
ÉLECTRIQUE NE PAS OUVRIR



ATTENTION: AFIN DE PRÉVENIR LE RISQUE DE CHOCS ÉLECTRIQUES, NE DÉVISSEZ PAS LE COUVERCLE. AUCUNE PIÈCE N'EST RÉPARABLE PAR L'UTILISATEUR À L'INTÉRIER DU COFFRET. TOUTE RÉPARATION DEVRAIT ÊTRE CONFIEE À UN PERSONNEL QUALIFIÉ.



Le symbole de l'éclair dans un triangle équilatéral indique la présence d'une tension suffisamment élevée pour engendrer un risque de chocs électriques.



Le point d'exclamation dans un triangle équilatéral indique que le manuel d'utilisation inclus avec l'appareil contient d'importantes recommandations quant au fonctionnement et à l'entretien de ce dernier.

Déconnexion de l'alimentation. Un appareil avec ou sans interrupteur ON-OFF est alimenté en courant chaque fois que le cordon d'alimentation est inséré dans la source d'alimentation ; cependant, l'appareil ne fonctionne que quand l'interrupteur ON-OFF est en position ON. Débranchez le cordon d'alimentation pour déconnecter l'alimentation principale de tous les appareils.

AVERTISSEMENT :

- Pour éviter les risques d'incendie et ou de choc électrique, n'exposez pas l'appareil à la pluie ou à l'humidité.
- L'appareil ne doit pas recevoir de gouttes ou être aspergé et, des objets remplis de liquide, tels que des vases, ne doivent pas être posés sur l'appareil.
- La prise de distribution électrique principale ou un coupleur d'appareil doit rester facilement accessible.
- Ce dispositif est conforme à la partie 15 de la réglementation de la FCC et aux normes RSS exemptes de licence de l'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes : (1) Ce dispositif ne doit pas causer d'interférences nuisibles, et (2) ce dispositif doit accepter toute interférence reçue, y compris les interférences qui peuvent causer un fonctionnement non désiré.

— Pour le Canada. —
CAN ICES-3(A)/NMB-3(A)

— Pour les États-Unis —
Mise en garde de la FCC :
Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait annuler le droit de l'utilisateur d'utiliser l'équipement.

Précautions de sécurité

Pour les États-Unis

Déclaration de conformité
du fournisseur

Nom commercial :

Panasonic

N° de modèle :

WX-SE200DNP

Partie responsable :

Panasonic Corporation of North America

Two Riverfront Plaza, Newark, NJ

07102-5490

Contact de support technique :

1-800-491-9986

wirelessmicsupport@us.panasonic.com



Pour les États-Unis

REMARQUE : Cet équipement a été testé et déclaré conforme aux limites d'un dispositif numérique de classe A, conformément à la partie 15 des règlements de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre de l'énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément au manuel d'instructions, peut causer des interférences nuisibles aux communications radio. L'utilisation de cet équipement dans une zone résidentielle est susceptible de causer des interférences nuisibles, auquel cas l'utilisateur devra corriger les interférences à ses propres frais.

Pour les États-Unis

Le numéro de modèle et le numéro de série de ce produit se trouvent sur la surface de l'appareil.

Vous devez noter le numéro de modèle et le numéro de série de cet appareil dans l'espace prévu à cet effet et conserver cette notice comme preuve d'achat afin de pouvoir faciliter l'identification en cas de vol.

N° de modèle _____

N° de série _____

Descriptions des symboles graphiques



Ce symbole indique un courant alternatif (CA).



Ce symbole indique une marque de certification c-UL aux États-Unis.



Ce symbole indique une double isolation.

IMPORTANTES CONSIGNES DE SÉCURITÉ

- 1) Lire ces instructions.
- 2) Conserver ces instructions.
- 3) Respecter ces instructions.
- 4) Suivre toutes les instructions.
- 5) Ne pas utiliser cet appareil près de l'eau.
- 6) Nettoyer avec un chiffon sec seulement.
- 7) Éloigner l'appareil de toute source de chaleur telle que radiateurs et autres éléments de chauffage (incluant les amplificateurs).
- 8) Protéger le cordon d'alimentation pour éviter qu'il ne soit piétiné ou pincé, en particulier au niveau des prises, des prises de courant et de l'endroit où il sort de l'appareil.
- 9) N'utiliser que les accessoires recommandés par le fabricant.
- 10) Ne placer l'appareil que dans une baie, un socle, un trépied, un support ou une table recommandé(e) par le fabricant ou vendu(e) avec l'appareil. Déplacer la baie ou le support avec le plus grand soin afin d'en éviter le renversement.
- 11) Débrancher cet appareil pendant les orages ou quand il n'est pas utilisé pendant de longues périodes.
- 12) Confier toute réparation à un technicien qualifié. Faire réparer l'appareil si le cordon ou la fiche a été endommagé, si l'appareil a été mouillé, si un objet est tombé sur l'appareil, s'il a été exposé à la pluie ou à de l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.



Avant utilisation

Aperçu du produit

Ce produit est un récepteur d'extension pour les systèmes de microphones numériques sans fil 1,9 GHz. En connectant cet appareil à un récepteur sans fil (WX-SR204DNP : vendu séparément), il est possible de recevoir le son provenant des microphones sans fil (WX-ST200P ou WX-ST400P : tous deux vendus séparément) par une antenne sans fil (WX-SA250P : vendue séparément) et des récepteurs sans fil, puis de régler le volume de sortie vers le réseau audio Dante.

- La connexion de ce produit permet d'utiliser jusqu'à huit microphones sans fil avec un système WX-SR204DNP.
- Les connexions peuvent être établies sur des réseaux audio Dante redondants ou non redondants.
- La sortie isolée d'un canal et la sortie mixée sont toutes deux prises en charge pour la sortie audio vers les réseaux audio Dante.

Limitation de responsabilité

CETTE PUBLICATION EST FOURNIE « EN L'ÉTAT » SANS GARANTIE D'AUCUNE SORTE, EXPRESSE OU IMPLICITE, Y COMPRIS, MAIS SANS S'Y LIMITER, LES GARANTIES IMPLICITES DE QUALITÉ MARCHANDE, D'ADAPTATION À UN USAGE PARTICULIER OU DE NON-VIOLATION DES DROITS DU TIERS. CETTE PUBLICATION PEUT CONTENIR DES INEXACTITUDES TECHNIQUES OU DES ERREURS TYPOGRAPHIQUES. DES MODIFICATIONS SONT AJOUTÉES AUX INFORMATIONS CONTENUES DANS LE PRÉSENT DOCUMENT, À TOUT MOMENT, EN VUE D'AMÉLIORER LA PRÉSENTE PUBLICATION ET/OU LE(S) PRODUIT(S) CORRESPONDANT(S).

Déni de la garantie

EN AUCUN CAS Panasonic Connect Co., Ltd. NE SERA TENU POUR RESPONSABLE POUR TOUTE PARTIE OU TOUTE PERSONNE, À L'EXCEPTION DU REMPLACEMENT OU D'UNE MAINTENANCE RAISONNABLE DE CE PRODUIT POUR LES CAS CITÉS, INCLUS MAIS NON LIMITÉS À CE QUI SUIT :

- ① TOUT DOMMAGE OU PERTE, Y COMPRIS SANS LIMITATION, DIRECT OU INDIRECT, SPÉCIAL, IMPORTANT OU EXEMPLAIRE, SURVENANT OU CONCERNANT LE PRODUIT ;
- ② BLESSURE PERSONNELLE OU TOUT DOMMAGE CAUSÉ PAR UN USAGE NON APPROPRIÉ OU UNE UTILISATION NÉGLIGENTE DE L'UTILISATEUR ;
- ③ TOUT DYSFONCTIONNEMENT OU PROBLÈME RÉSULTANT DE DÉMONTAGE, RÉPARATION OU MODIFICATION NON AUTORISÉS DU PRODUIT EFFECTUÉS PAR L'UTILISATEUR, QUELLE QUE SOIT LA CAUSE DUDIT DYSFONCTIONNEMENT OU PROBLÈME ;

- ④ TOUT PROBLÈME CAUSANT UNE DÉFAILLANCE DE LA TRANSMISSION DU SIGNAL ENTRAÎNANT DES INCONVÉNIENTS, DES PERTES OU DES DOMMAGES CONSÉCUTIFS, SURVENANT DE CAUSES TELLES QU'UN DYSFONCTIONNEMENT DU SYSTÈME, UN DÉFAUT, UNE CONFIGURATION OU UNE INSTALLATION.
- ⑤ TOUT PROBLÈME, DÉSAGRÉMENT CONSÉCUTIF OU PERTE OU DOMMAGE, SURVENANT DU SYSTÈME COMBINÉ AVEC DES DISPOSITIFS DE TIERS.

Droits d'auteur

La distribution, la copie, le démontage, la compilation inverse et l'ingénierie inverse du logiciel fourni avec ce produit sont tous expressément interdits. En outre, l'exportation de tout logiciel fourni avec ce produit en violation des lois d'exportation est interdite.

Les marques commerciales sont des marques commerciales déposées

- Audinate®, le logo Audinate et Dante® sont des marques déposées d'Audinate Pty Ltd.
- Les autres noms de compagnie et de produit qui figurent dans ce manuel d'utilisation sont peut-être les marques commerciales, déposées ou non, de leurs propriétaires respectifs.

Mentions légales et indemnisations

Toute propriété intellectuelle liée à Dante est détenue par Audinate.
Audinate n'est en aucun cas responsable des pertes ou des dommages qui résulteraient de l'usage de ce produit.

Qu'est-ce que Dante?

Dante est un protocole, développé par Audinate, qui permet la manipulation simultanée de plusieurs signaux audio ayant des fréquences d'échantillonnage et des débits binaires différents, ainsi que les signaux de contrôle d'un dispositif, dans des environnements réseau prenant en charge des Ethernets de la taille d'un gigaoctet.

Visiter le site Web d'Audinate pour avoir plus d'informations sur Dante.

<http://www.audinate.com/>

Dante Controller

"Dante Controller" est une application qui permet d'effectuer les réglages du réseau Dante et d'établir le routage du son. "Dante Controller" est utilisé pour effectuer les réglages du réseau Dante sur ce produit. Visiter le site Web d'Audinate.

Logiciels libres

L'interface réseau Dante de ce produit utilise le logiciel libre suivant :

[GPL/LGPL]

PetaLinux

uClibc

u-boot

busybox

[Autre que GPL/LGPL]

xnprintf for C/C++

tropicssl

Precision Time Protocol daemon

mDNSResponder

libsodium

Linux kernel

Licences de logiciels tiers incluses avec ce produit

Consulter l'annexe [Licences] pour connaître ces licences.

Licences de logiciels tiers incluses avec l'interface réseau Dante de ce produit

Pendant au moins 3 ans à compter de la date d'achat, nous fournirons, aux frais du client, le code source complet lisible par machine des logiciels sous licence GPL V2.0, LGPL V2.1, LGPL V3.0, ou une licence basée sur d'autres conditions qui répondent aux exigences de divulgation du code source, ainsi que des informations sur les respectifs détenteurs de droits d'auteur, aux clients qui nous contacteraient à l'adresse courriel suivante.

Contact : oss-cd-request@gg.jp.panasonic.com

Copyright, etc.

À l'exception des parties mentionnées ci-dessus, les droits sur ce logiciel et autres éléments de propriété intellectuelle appartiennent à Panasonic Connect Co., Ltd. ou à des tiers, et ne sont pas transférés au client.

Panasonic Connect Co., Ltd. n'assume aucune responsabilité pour les dommages, pertes, etc. causés par l'utilisation de ce logiciel.

Abréviations

Ce manuel utilise les abréviations suivantes.

- “Ce produit” ou “récepteur d’extension” désigne le “récepteur d’extension (WX-SE200DNP)”.
- “Récepteur” désigne le “récepteur sans fil (WX-SR204DNP : vendu séparément)”.
- “Microphone” désigne le “microphone sans fil (WX-ST200P/WX-ST400P, tous deux vendus séparément)”.
- “Antenne” désigne “l’antenne sans fil (WX-SA250P : vendue séparément)”.
- Le “PC” désigne l’ordinateur personnel”.
- “Dante” désigne “Dante®”.

Toutes les informations concernant les produits vendus séparément contenues dans ce manuel sont des mises à jour d’avril 2022. Consultez un détaillant pour obtenir les renseignements les plus récents.

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Précautions

Confier les opérations de montage à un détaillant

Les opérations de montage nécessaires à l'installation de ce produit exigent des compétences et de l'expérience. Il existe un risque d'incendie, de choc électrique, de blessures et de dommages matériels.

- Demandez toujours à un détaillant de le faire.

Non adapté pour être utilisé dans des lieux où les enfants sont susceptibles d'être présents

Pour avoir des informations sur les vis et les autres pièces nécessaires à l'installation, consulter la section correspondante de ce document

Brancher la prise d'alimentation jusqu'au fond

Une prise d'alimentation mal branchée peut provoquer des chocs électriques, une surchauffe et des incendies.

- N'utilisez pas de prises d'alimentation endommagées ou de prise de courant desserrées.

Saisir directement la prise pour retirer le câble d'alimentation de la prise de courant

Le non-respect de cette consigne pourrait endommager le cordon et provoquer un incendie ou un choc électrique.

Éteindre le produit avant d'effectuer la maintenance

Le non-respect de cette consigne peut provoquer des chocs électriques.

Enlever régulièrement la poussière de la prise électrique

L'isolation d'une prise poussiéreuse pourrait échouer quand elle est soumise à des éléments tels que l'humidité, ce qui peut provoquer un incendie ou des chocs électriques.

- Retirez le cordon d'alimentation et nettoyez-le avec un chiffon sec.

Si le produit présente une anomalie, cesser immédiatement de l'utiliser

Si le produit présente des anomalies telles que de la fumée ou une odeur inhabituelle, continuer à l'utiliser peut présenter un risque d'incendie.

- Retirez immédiatement le cordon d'alimentation et contactez le détaillant.

Ne pas essayer de réparer ou de câbler l'appareil lorsqu'il est allumé

Cela pourrait provoquer un incendie ou un choc électrique.

Ne pas tirer sur les câbles et autres composants

Cela pourrait provoquer un incendie ou un choc électrique.

Ne pas endommager les câbles

Placer des objets lourds sur les câbles ou les serrer dans des endroits confinés les endommagera, ce qui pourrait causer des incendies ou des chocs électriques.

Ne pas utiliser à proximité de gaz inflammables

Cela pourrait entraîner des explosions et des accidents ou des blessures.

Ne pas installer le produit dans un lieu où il existe un risque de dommage par de l'eau de mer ou des gaz corrosifs

L'unité de montage risque de se détériorer et d'entraîner des accidents et des blessures.

Précautions

Ne pas installer dans des endroits exposés à une grande quantité d'humidité et/ou de poussière.

Cela pourrait provoquer un incendie ou un choc électrique.

Ne pas placer sur des surfaces instables

Le non-respect de cette consigne pourrait entraîner la chute du produit, provoquant des accidents et des blessures.

Ne pas utiliser lorsqu'il y a un risque de dépassement de la puissance électrique maximale recommandée pour la prise ou le câblage et utiliser uniquement du CA 120 V

La surcharge des rallonges multiprises peut entraîner une surchauffe et des incendies.

Ne pas laisser entrer de substances étrangères dans le produit

L'eau ou les métaux pénétrant dans l'antenne pourraient provoquer des incendies ou des chocs électriques.

- Retirez immédiatement le cordon d'alimentation et contactez le détaillant.

Éviter d'endommager le cordon d'alimentation et la prise d'alimentation. (en les cassant, en les manipulant, en les rapprochant des sources de chaleur, en les pliant excessivement, en les tordant, en les tirant, en y plaçant des objets lourds, en les attachant, etc.)

L'utilisation d'un cordon d'alimentation ou d'une prise d'alimentation endommagés peut provoquer des chocs électriques, des courts-circuits ou des incendies.

- Confiez la réparation du cordon d'alimentation et de la prise d'alimentation à un détaillant.

Ne pas insérer ni tirer la prise du cordon d'alimentation avec les mains mouillées

Le non-respect de cette consigne peut provoquer des chocs électriques.

Tenir la fiche électrique pour débrancher le cordon d'alimentation

Ne pas tirer sur le cordon d'alimentation car cela pourrait causer un incendie, une électrocution, etc.

Ne pas essayer de démonter ou de remodeler le produit

Cela pourrait provoquer un incendie ou un choc électrique.

Ne pas mouiller

Cela pourrait provoquer un incendie ou un choc électrique.

- Retirez immédiatement les piles et contactez le détaillant.

Ne pas placer de récipients remplis d'eau ou d'autres liquides sur le produit ou à proximité de celui-ci

Cela pourrait provoquer un incendie ou des chocs électriques.

- Retirez immédiatement le cordon d'alimentation et contactez le détaillant.

Ne pas effectuer les travaux d'installation et de câblage pendant un orage

Cela pourrait provoquer un incendie ou un choc électrique.

Précautions d'utilisation

En dehors de ce qui précède “**Précautions**”, assurez-vous de suivre les points ci-dessous.

Ce produit est un équipement professionnel

Ce produit est destiné à une utilisation à l'intérieur uniquement

- Il ne peut pas être utilisé en extérieur.

Évitez d'exposer le produit à la lumière directe du soleil pendant de longues périodes et ne l'installez pas près d'un climatiseur ou d'un appareil de chauffage. Le non-respect de cette consigne pourrait altérer la forme et la couleur du produit et provoquer un dysfonctionnement. Évitez également l'exposition aux gouttelettes et aux bulles d'eau.

Utiliser ce produit avec précaution

- Ce produit contient des composants délicats qui peuvent être endommagés par une utilisation ou un stockage inappropriés.
- Réparez ou remplacez tout composant endommagé.

Plage de température de fonctionnement est

- Entre 0 °C (32 °F) et 45 °C (113 °F). L'utilisation du produit en dehors de cette plage pourrait entraîner un dysfonctionnement ou l'endommager.

Interrupteur d'alimentation

- Mettre l'interrupteur [POWER] en position OFF éteindra le récepteur d'extension, mais n'interrompra pas la circulation du courant. (Le voyant [POWER] éteint ne signifie pas nécessairement qu'il n'y a pas d'alimentation dans le récepteur d'extension.) Débranchez le cordon d'alimentation de la prise de courant pour couper complètement le flux de courant vers le récepteur d'extension.

Alimentation électrique

- Le récepteur d'extension utilise une alimentation CA 120 V (60 Hz). Connectez le récepteur d'extension à une source d'alimentation d'une capacité suffisante.
- Connectez le cordon d'alimentation à la source d'alimentation de l'une des façons suivantes.
 - Installez le récepteur d'extension près de la prise électrique, permettant ainsi un accès facile à la prise d'alimentation.
 - Connectez-le à un panneau de disjoncteur avec un espace d'au moins 3,0 mm (1/8 po) entre les contacts. Utilisez un disjoncteur qui peut couper l'alimentation de tous les pôles à l'exception de la connexion de mise à la terre de protection.

Indication du niveau de charge de la pile restante du microphone

- Quand la distance entre le microphone et l'antenne est trop grande, la réception du signal devient instable, de sorte que le niveau de pile restant du microphone peut ne pas être atteint. Gardez la distance appropriée pour assurer une connexion sans fil stable quand vous utilisez la fonction d'indication du niveau de pile restant. Reportez-vous au manuel du récepteur pour plus d'informations sur la distance (portée sans fil) entre les microphones et l'antenne.

Précautions d'utilisation

Quand l'interrupteur d'alimentation est mis sur ON ou OFF

- Tous les périphériques et amplificateurs de puissance connectés doivent être éteints avant d'actionner l'interrupteur d'alimentation. Le non-respect de cette consigne pourrait engendrer un bruit de cliquetis qui pourrait endommager les haut-parleurs ou d'autres périphériques.

En cas de non-utilisation pendant une période prolongée

- Mettez l'interrupteur d'alimentation sur OFF et retirez la prise d'alimentation de la prise électrique.

Condensation

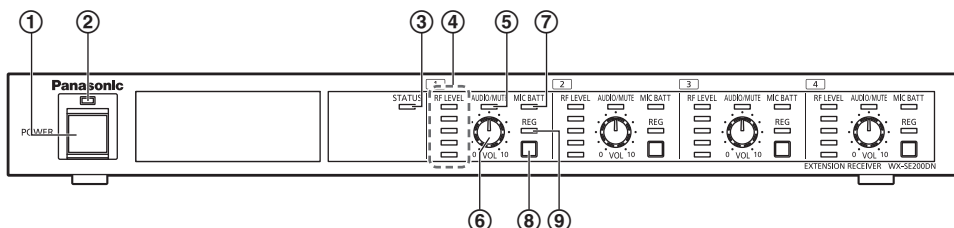
- Faites attention à la condensation, car elle peut provoquer des dysfonctionnements. La condensation est susceptible d'apparaître dans les scénarios suivants :
 - Humidité élevée
 - Passer d'un endroit froid à un endroit chaud ou humide
- Si de la condensation apparaît, attendez une à deux heures et assurez-vous que toute la condensation a disparu avant de mettre l'équipement sous tension.

Maintenance

- Effectuez cette opération après avoir mis le produit hors tension. Cela pourrait entraîner des blessures.
- Nettoyez le produit avec un chiffon doux et sec.
- N'utilisez pas de produits chimiques volatils comme le diluant à peinture ou le benzène.
- Lors de l'utilisation de chiffons traités chimiquement, lisez attentivement les instructions fournies.
- Quand le produit est particulièrement poussiéreux, utilisez un aspirateur, etc. pour le nettoyer.

Nomenclature des pièces

Avant



① Interrupteur d'alimentation [POWER]

Active/coupe l'alimentation.

② Voyant d'alimentation (vert)

S'allume quand l'alimentation est activée. S'éteint quand l'alimentation est coupée.

③ Voyant d'état [STATUS]

Indique l'état de la communication avec le récepteur d'extension.

Allumé (vert) : Normale

Clignotant (vert) : Erreur (pas de récepteur ou communication impossible avec le récepteur)

Éteint : L'alimentation est coupée.

④ Voyant de niveau de réception [RF LEVEL]

Affiche le niveau de réception du signal RF du microphone sur chaque canal sous forme de cinq incréments. L'installation de l'antenne sans fil et la sélection du champ d'antenne de manière à ce que le microphone affiche toujours au moins trois lignes vertes (niveau 3) dans sa zone d'utilisation garantissent un fonctionnement stable.

Allumé (5 lignes vertes) : Niveau 5 (Max.)

Allumé (4 lignes vertes) : Niveau 4

Allumé (3 lignes vertes) : Niveau 3

Allumé (2 lignes vertes) : Niveau 2

Allumé (1 ligne verte) : Niveau 1 (Min.)

Allumé (1 à 5 lignes rouges) : Erreur de réception

Tous éteints : Pas de microphone jumelé ou pas de signal du microphone jumelé

⑤ Voyant de niveau audio/voyant d'état de sourdine [AUDIO/MUTE]

Affiche le niveau audio du signal provenant des microphones de chaque canal.

Allumé (rouge) : Pic

Allumé (orange) : Proche du pic

Allumé (vert) : Audio en cours de réception

Clignotant lent (rouge) : Mise en sourdine (lorsque ce dispositif est télécommandé)

Clignotant rapide (rouge) : Le bouton de réglage du volume ne peut pas être actionné (lorsque ce dispositif est télécommandé)

Éteint : Pas d'audio

Si le bouton de réglage du volume est actionné lors de la télécommande externe, le voyant de niveau de volume clignote rapidement (rouge) et le réglage du volume n'est pas possible.

Nomenclature des pièces

⑥ Bouton de réglage du volume [VOL 0, 10]

Règle le volume du microphone sur le canal respectif.

⑦ Voyant d'autonomie du microphone [MIC BATT]

Change de couleur (vert/orange/rouge) en fonction du niveau de pile résiduel des microphones sur chaque canal. Voir "Confirmer le niveau de pile restant du microphone" (page 73) pour les détails.

⑧ Bouton d'appairage

Ce bouton contrôle l'appairage entre les microphones et chaque canal du récepteur d'extension.

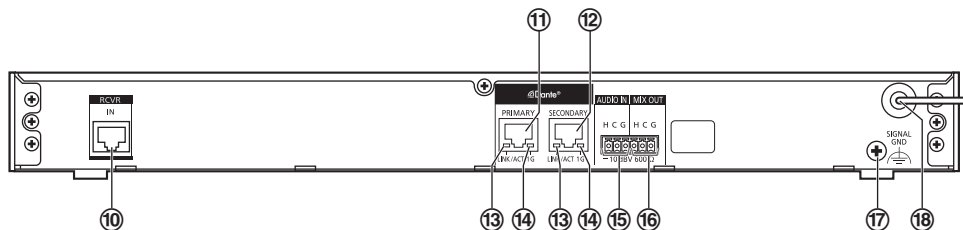
- Appairage : Maintenez le bouton [REG] pressé pendant plus de deux secondes pour accéder au mode appairage. (page 67)
Quittez le mode appairage en appuyant un court moment sur le bouton [REG] une fois en mode appairage.
Un canal ne peut pas entrer en mode appairage quand les microphones jumelés à ce canal sont actuellement actifs.
- Confirmation de l'appairage :
Appuyez un court moment sur le bouton [REG] pour passer en mode de confirmation de l'appairage. (page 74)
Quittez le mode de confirmation de l'appairage en appuyant un court moment une fois de plus sur le bouton [REG].

⑨ Voyant d'appairage [REG]

Affiche le mode de fonctionnement actuel (appairage, confirmation de l'appairage) du canal.

Éteint :	Mode standard
Clignotant (orange) :	Mode appairage
Allumé (vert) (1 seconde) :	Appairage réussi
Clignotant alternativement (orange/vert) :	Confirmation de l'appairage

Arrière



⑩ Connecteur de récepteur d'extension [RCVR IN]

Connectez le récepteur (EXT OUT) et le récepteur d'extension (RCVR IN) à l'aide d'un câble LAN.

⑪ Connecteur primaire du réseau Dante [PRIMARY]

Ports (RJ45) utilisés pour se brancher aux dispositifs Dante à l'aide de câbles LAN.
 Se brancher à la ligne primaire du réseau Dante lorsqu'il y a un réseau redondant.
 Le son est reproduit comme suit depuis le produit vers le réseau Dante :
 Son provenant de chaque canal du produit,
 Son mélangé provenant de tous les canaux du produit et de l'entrée audio vers le connecteur [AUDIO IN].

⑫ Connecteur secondaire du réseau Dante [SECONDARY]

Ports (RJ45) utilisés pour se brancher aux dispositifs Dante à l'aide de câbles LAN.
 Se brancher à la ligne secondaire du réseau Dante lorsqu'il y a un réseau redondant.
 Le son est reproduit comme suit depuis le produit vers le réseau Dante :
 Son provenant de chaque canal du produit,
 Son mélangé provenant de tous les canaux du produit et de l'entrée audio vers le connecteur [AUDIO IN].



- La phase de sortie de mixage vers le réseau Dante est inversée (Primaire et Secondaire).

⑬ Voyant de l'état du réseau [LINK/ACT]

Indique l'état de la liaison du réseau Dante.
 Fixe (vert) : Liaison du réseau établie
 Clignotement (vert) : Liaison du réseau active
 Éteint : Liaison au réseau Dante non établie

⑭ Voyant de la vitesse du réseau [1G]

Indique la vitesse du réseau Dante.
 Fixe (jaune) : 1 Gbps
 Éteint : 10/100 Mbps

⑮ Connecteur d'entrée externe [AUDIO IN -10 dBV 600 Ω]

Alimente en son à partir de dispositifs externes, le mixe et l'envoie vers le connecteur de la sortie de mixage et le réseau audio Dante.

⑯ Connecteur de sortie de mixage [MIX OUT -10 dBV 600 Ω]

Sortie audio obtenue en mixant l'audio de chaque canal avec l'entrée audio du connecteur [AUDIO IN].

⑰ Connecteur SIGNAL GND [SIGNAL GND]

Rassemble les SIGNAL GND venant d'appareils externes pour éliminer la différence de potentiel électrique.

⑱ Cordon d'alimentation

Branchez le cordon d'alimentation à une source d'alimentation CA 120 V 60 Hz.

Installation

■ Précautions d'installation



Avertissement

- Demandez toujours à un détaillant d'effectuer ces opérations.
- Avant l'installation, réglez l'interrupteur d'alimentation sur les dispositifs que vous souhaitez connecter sur OFF.
- Lisez attentivement la section "Précautions" et suivez toutes les instructions. Reportez-vous également au manuel des dispositifs que vous connectez.
- Si ce produit est utilisé dans un environnement résidentiel, il peut entraîner des interférences sans fil.

Lors de l'installation de ce produit, suivre toutes les ordonnances officielles sur les normes techniques des équipements électriques.

Ce produit est destiné à une utilisation à l'intérieur uniquement

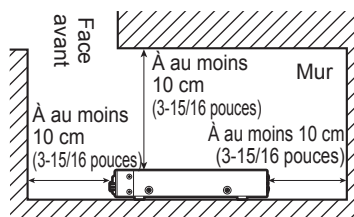
- Il ne peut pas être utilisé en extérieur. Évitez d'exposer le produit à la lumière directe du soleil pendant de longues périodes et ne l'installez pas près d'un climatiseur ou d'un appareil de chauffage. Le non-respect de cette consigne pourrait altérer la forme et la couleur du produit et provoquer un dysfonctionnement. Évitez également l'exposition aux gouttelettes et aux bulles d'eau.

Éteindre le produit pour l'installer

- Retirez le cordon d'alimentation de la prise de courant avant d'effectuer ces opérations. Éteignez également tous les mélangeurs, amplificateurs et autres appareils connectés au récepteur d'extension. Le non-respect de cette consigne provoquera des bruits puissants dans les haut-parleurs, ce qui pourrait endommager le système.

Emplacement d'installation

- Ce produit génère une grande quantité de chaleur. Quand vous installez le produit près d'un mur ou d'un plafond, assurez-vous qu'il y a au moins 10 cm (3-15/16 pouces) de dégagement sur tous les côtés (voir figure ci-dessous).



- Posez le produit sur une surface plane. Ne le placez pas à la verticale, avec l'arrière orienté vers le bas.

Ne pas installer le produit dans les endroits suivants

- Endroits exposés à la lumière directe du soleil ou aux courants d'air chaud
- Endroits exposés à une grande quantité d'humidité et/ou de poussière
- Endroits avec beaucoup de condensation, soumis à des variations extrêmes de température ou à une humidité très élevée
- Endroits contenant de grandes quantités de vapeur ou de graisse, comme les cuisines
- Près des haut-parleurs, des téléviseurs, des aimants et d'autres sources magnétiques puissantes
- Surfaces inclinées
- Où il y a un risque de dommage par de l'eau de mer ou des gaz corrosifs

Lors de l'installation dans un rack

- Lors de l'installation du récepteur d'extension dans un rack, utilisez l'un de ceux qui figurent sur la liste suivante "Installation dans un rack" (page 58).
- Veillez à ce que la température du rack ne dépasse pas +45 °C (113 °F). Le non-respect de cette consigne pourrait endommager les composants internes du récepteur d'extension et provoquer un dysfonctionnement.
- Placez le récepteur d'extension le plus bas possible sur le rack.

Spécifications d'alimentation électrique

- Le produit utilise une alimentation CA 120 V (60 Hz). Connectez le produit à une source d'alimentation d'une capacité suffisante.

Alimentation électrique

- Mettre l'interrupteur d'alimentation sur OFF éteindra le produit mais n'interrompra pas la circulation du courant. Connectez le cordon d'alimentation au moyen d'un dispositif de coupure de courant de l'une des façons suivantes afin de pouvoir le mettre hors tension facilement.
 - Installez le produit près de la prise électrique ou du disjoncteur et branchez-le au moyen de la prise d'alimentation.
 - Connectez le produit à un panneau de disjoncteur avec un espace d'au moins 3,0 mm (1/8 po) entre les contacts. Utilisez un disjoncteur qui peut couper l'alimentation de tous les pôles à l'exception de la connexion de mise à la terre de protection.

Électricité statique

- Avant d'installer le produit, déchargez-vous en touchant un objet métallique mis à la terre afin d'éviter les dommages causés par l'accumulation d'électricité statique.

Vis de serrage

- Serrez les vis bien droit. Après avoir serré les vis, vérifiez visuellement qu'elles sont droites et bien serrées.
- N'utilisez pas de tournevis à percussion ou de tournevis électrique, car même ceux avec embrayages rendent difficile le contrôle du couple et risquent d'endommager l'unité de montage.

Éviter de soumettre le produit à des chocs

- Protégez le produit contre les chocs ou les coups violents. Cela pourrait endommager le produit.

Installation

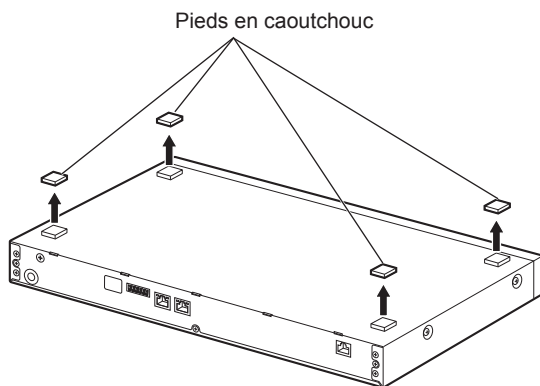
■ Installation dans un rack

Le récepteur d'extension peut être installé dans un rack.

Utilisez l'un des racks suivants (vendus séparément) pour l'installation.

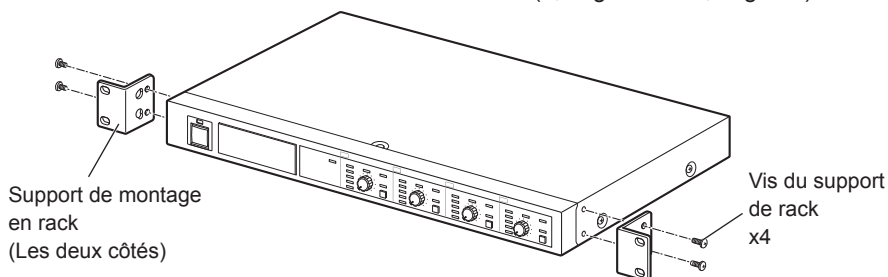
Produit conforme à la norme EIA : Rack EIA 19 po, d'au moins 450 mm (17-5/8 po) de long

1 Retirer les pieds en caoutchouc (x4) sur le dessous du récepteur d'extension



2 Utiliser les vis de fixation (x4) fournies pour fixer les supports de montage en rack des deux côtés du récepteur d'extension

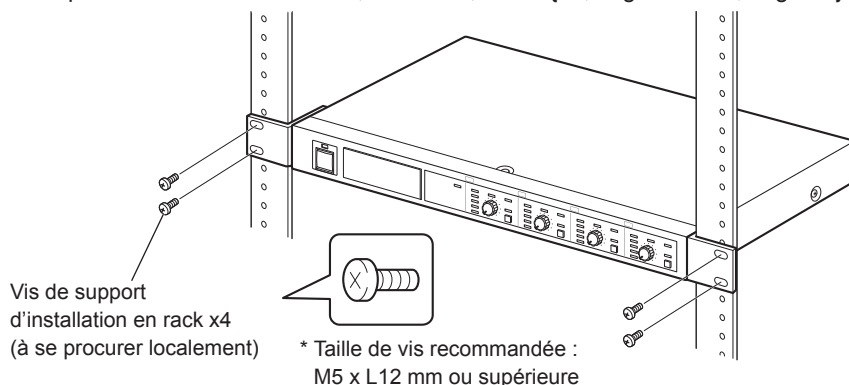
- Couple des vis de support d'installation en rack : 0,88 N•m à 1,08 N•m
(9,0 kgf•cm à 11,0 kgf•cm)



3 Installer le récepteur d'extension dans le rack

Utilisez des vis d'installation en rack (x4) pour fixer solidement le récepteur d'extension.

- Couple d'installation du rack : 2,0 N•m à 2,4 N•m {20,5 kgf•cm à 24,5 kgf•cm}



Important

- Veillez à ce que la température à l'intérieur du rack ne dépasse pas +45 °C (113 °F).
- Ne placez pas le récepteur d'extension à proximité d'appareils qui diffusent de grandes quantités de chaleur (ex. : amplificateurs de puissance).
S'il est absolument nécessaire de le faire, laissez au moins 1 U (44 mm (1-3/4 po)) d'espace libre entre le récepteur d'extension et le diffuseur de chaleur.
- Lors de l'installation des appareils thermosensibles dans le même rack que le récepteur d'extension, placez-les plus bas que le récepteur d'extension lui-même.
- Installez le rack à un endroit bien ventilé. Ventilez le rack de façon à ce que la chaleur accumulée n'élève pas la température interne au-dessus de +45 °C (113 °F).

Connexions

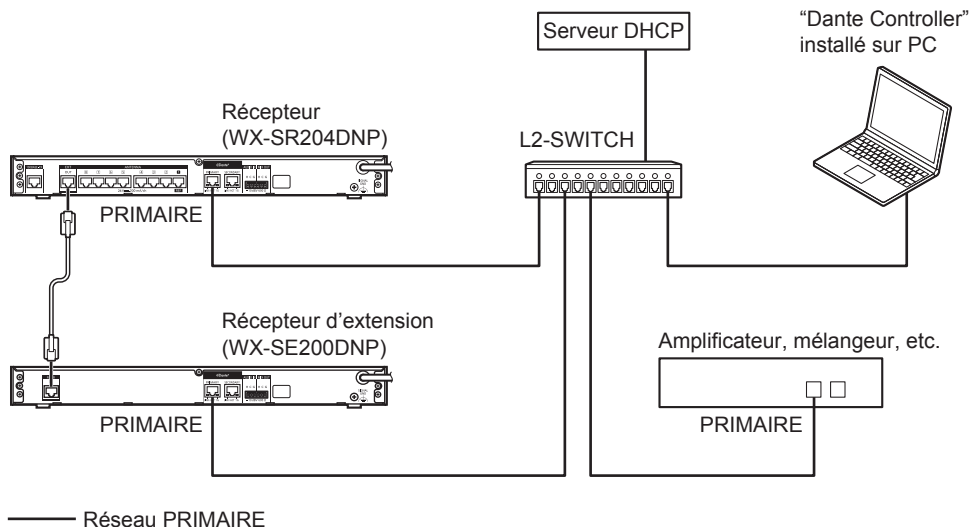
■ Connexion au réseau Dante

Ce produit peut être intégré à un système qui utilise le réseau Dante.

Il est possible de transmettre le son mixé et le son provenant des microphones de chaque canal au réseau Dante.

Exemple de connexion à un réseau non redondant

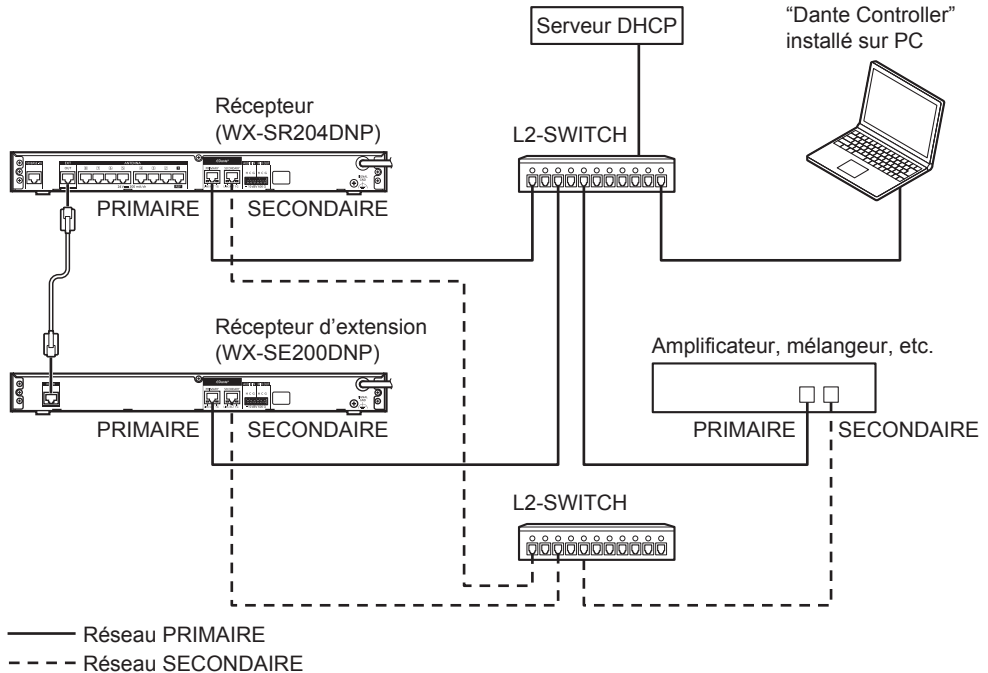
Un réseau non redondant est un réseau qui n'utilise que la ligne primaire. Un concentrateur réseau est installé au centre du réseau et établit des connexions en étoile.



Exemple de connexion à un réseau redondant

Un réseau redondant est un réseau qui utilise une ligne primaire ainsi qu'une ligne secondaire. Des concentrateurs réseau sont installés au centre de chacun des réseaux et en établissant des connexions en étoile, le réseau redondant est réalisé.

L'utilisation d'un réseau redondant fait en sorte que même si un problème tel qu'une interruption de ligne survient sur la ligne primaire, la communication bascule automatiquement sur la ligne secondaire pour éviter des coupures du son.



Connexions



- Pour des questions de sécurité, le réseau utilisé comme réseau Dante doit être un réseau local qui n'est pas connecté à Internet.
-



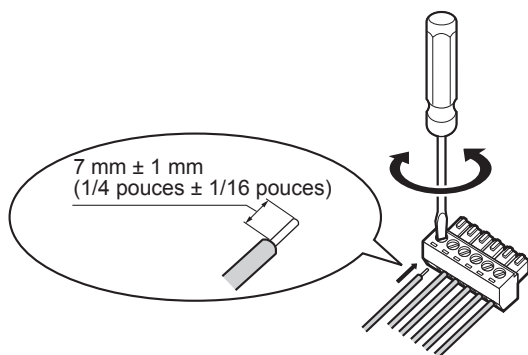
- Un ordinateur équipé d'un "Dante Controller" sera nécessaire afin d'activer la connexion Dante.
 - Utiliser un câble LAN de Cat 5e, Cat 6, Cat 7 ou supérieure pour se brancher au réseau Dante.
 - Les réglages du réseau Dante et du routage audio sont effectués à l'aide de "Dante Controller". Visiter le site Web d'Audinate pour avoir plus d'informations sur "Dante Controller".
<http://www.audinate.com/>
 - Pour le L2-SWITCH, en utiliser un capable de prendre en charge les fonctions et les réglages suivants :
 - ① Fonctionnalité de transfert de paquets Gigaoctet
 - ② Fonctionnalité de configuration Diffserv (DSCP) QoS possédant quatre files prioritaires strictes
 - ③ Fonctionnalité d'administration pour surveiller les paramètres et les états des interrupteurs
 - ④ Fonctionnalité pour désactiver les modes d'économie d'énergie comme le mode EEE (Energy Efficient Ethernet), si équipéConsulter le manuel pour connaître la configuration et l'action d'un interrupteur.
 - Lancer l'entrée et la sortie audio seulement après que l'état de l'horloge du système se soit suffisamment stabilisée.
 - La longueur maximale pour le câble LAN (en vente dans le commerce) est de 100 m.
-

■ Branchement d'un connecteur Euroblock

Les connecteurs d'entrée et de sortie audio du récepteur utilisent le connecteur Euroblock amovible.

1 Branchement des fils au connecteur Euroblock fourni

Utilisez un tournevis à tête plate pour desserrer les vis du connecteur Euroblock. Enlevez un morceau de revêtement du fil pour exposer le conducteur. Torsadez le conducteur et insérez-le dans le connecteur Euroblock. Enfin, serrez les vis du connecteur Euroblock.



Spécificités des câbles

- Câble recommandé : AWG 16 à 28 (ne pas utiliser de câbles soudés)
- Longueur du revêtement à enlever : 7 mm ± 1 mm (1/4 pouces ± 1/16 pouces)
- Diamètre de vis : 2 mm (1/16 pouces)
- Assurez-vous que les fils sont bien branchés.

Connexions

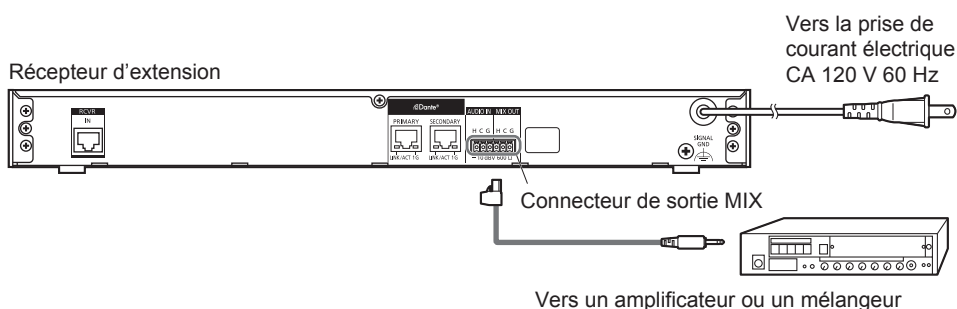
■ Connexion de la sortie audio

Il est possible de mélanger le son provenant des microphones de chaque canal et de le transmettre en tant que signal audio analogique à l'amplificateur (ou mélangeur).

Connectez un appareil externe tel qu'un amplificateur au connecteur [MIX OUT] du récepteur d'extension.

1 Branchement des fils au connecteur Euroblock fourni

Brancher les câbles au connecteur Euroblock (6 broches) fourni pour raccorder le connecteur [MIX OUT] de ce produit.



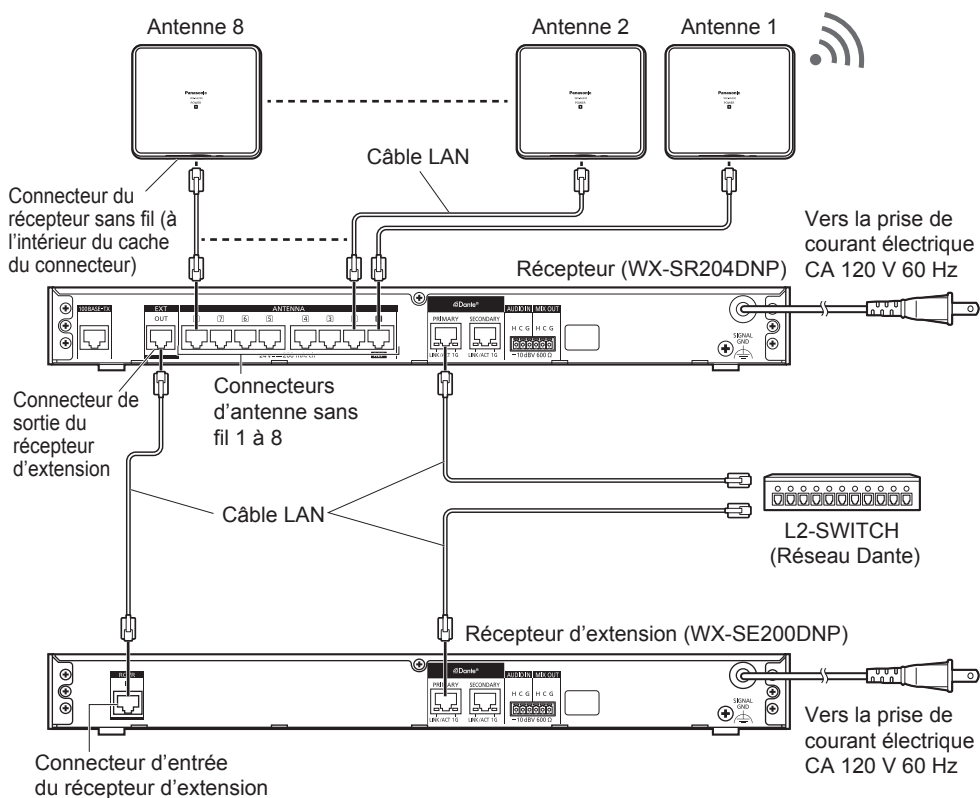
- Connectez avec précaution le connecteur Euroblock au récepteur d'extension.

■ Connexion d'un récepteur

Vous pouvez ajouter quatre canaux (quatre microphones) au nombre de canaux (microphones) utilisables simultanément en connectant un récepteur d'extension au récepteur. Jusqu'à un récepteur d'extension peut être connecté et huit canaux (huit microphones) au maximum peuvent être utilisés simultanément avec le WX-SR204DNP.

1 Connecter le récepteur et le récepteur d'extension via un câble LAN

Connectez le connecteur [EXT OUT] du récepteur d'extension et le connecteur [RCVR IN] du récepteur d'extension via un câble LAN.



Connexions



Important

- Le connecteur d'entrée du récepteur d'extension de ce produit est de type propriétaire. Ne connectez aucun dispositif PoE (concentrateurs ou routeurs équipés de PoE). Ceci pourrait provoquer des dysfonctionnements.
 - Veillez à utiliser un câble LAN droit (non croisé) pour connecter le récepteur et le récepteur d'extension. La connexion via un câble LAN croisé peut provoquer un dysfonctionnement du récepteur d'extension.
-



- Utilisez un câble LAN ne dépassant pas 0,5 m (1,6 pi) pour connecter le récepteur et le récepteur d'extension.
 - Pour transmettre le son provenant des microphones de chaque canal de ce produit sur le réseau Dante, connecter le connecteur réseau Dante de ce produit au réseau Dante.
 - L'audio de tous les canaux peut être mélangé à l'aide d'une connexion entre le récepteur et le récepteur d'extension en connectant le connecteur [MIX OUT] au connecteur [AUDIO IN] de ce produit.
 - Lors de la connexion de la sortie mixée de l'audio de chaque canal et de l'audio du connecteur [AUDIO IN] sur un amplificateur (ou un mélangeur), utilisez les connecteurs [MIX OUT].
-

Appairage

Le microphone et ce produit doivent être jumelés l'un à l'autre afin d'établir une connexion. Effectuer l'appairage pour utiliser un microphone qui n'a pas encore été jumelé à ce produit ou quand une erreur d'appairage se produit.

Le nombre maximal de microphones pouvant être jumelés à un récepteur d'extension et le nombre maximal de microphones pouvant être utilisés simultanément sont les suivants. Lorsque le nombre maximal de microphones pouvant être jumelés est dépassé, le microphone le plus récent écrase le plus ancien.

Récepteur d'extension	Nombre maximal de microphones pouvant être jumelés	Nombre maximal de microphones pouvant être utilisés simultanément
WX-SE200DNP	6 par canal	4 (1 par canal)

Reportez-vous au manuel du microphone pour plus de détails sur la procédure d'appairage.



- L'enregistrement des informations d'appairage pour un microphone jumelé prend environ 10 secondes. N'éteignez pas le récepteur d'extension immédiatement (dans les 10 secondes environ) après avoir jumelé un microphone. L'appairage ne peut pas être terminé si le récepteur est mis hors tension.

■ Appairage sans fil

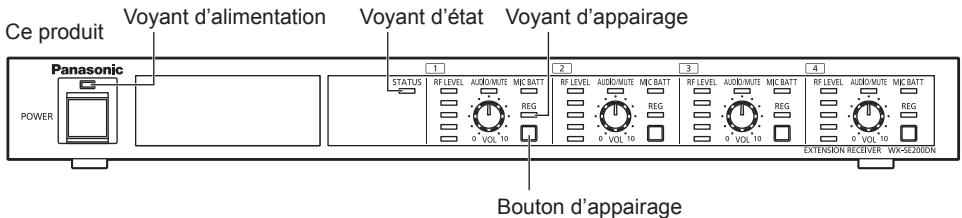
Jumelez un microphone via la communication sans fil entre le microphone et une antenne sans fil. Effectuez l'appairage dans la plage de connexion sans fil de l'antenne connectée à ce produit via le récepteur d'extension.

1 Retirer le couvercle du compartiment des piles sur le microphone

Reportez-vous au manuel du microphone pour plus de détails.

2 Régler ce produit sur le mode appairage

Assurez-vous que le voyant [POWER] du récepteur d'extension connecté à ce produit et les voyants [POWER] et [STATUS] de ce produit s'allument en vert, puis appuyez pendant au moins deux secondes sur le bouton [REG] du canal auquel vous voulez jumeler un microphone. Lorsque le récepteur sans fil est en mode appairage, le voyant [REG] du canal dont le bouton [REG] a été pressé clignote en orange. Le mode appairage dure 30 secondes, veillez à jumeler le microphone pendant ce temps.



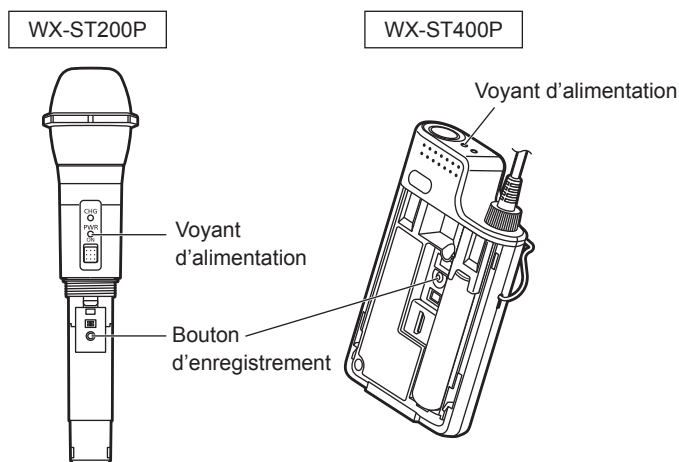
Appairage

3 Jumeler le microphone

Maintenez le bouton [REG] d'un microphone allumé pressé pendant au moins deux secondes pour commencer l'appairage (le voyant [PWR] du microphone clignote en orange).

Si l'appairage s'est effectué avec succès, le voyant [PWR] du microphone passe à l'état normal selon le niveau de charge restant (vert, orange ou rouge), le voyant [REG] du canal jumelé du récepteur d'extension s'allume en vert pendant une seconde, puis s'éteint.

- Si l'appairage échoue, le voyant [PWR] du microphone clignote en rouge. Dans ce cas, placez le microphone le plus près possible de l'antenne et réessayez de le jumeler. (L'appairage peut échouer si le microphone est trop éloigné de l'antenne ou l'état de la connexion est mauvais.)



4 Remettre le couvercle du compartiment des piles sur le microphone

Reportez-vous au manuel du microphone pour plus de détails.



- Le bouton [REG] n'est pas valide si le canal auquel le microphone est jumelé est utilisé. Mettez hors tension le microphone actuellement jumelé, puis jumelez un microphone différent au canal qui est déjà utilisé.
- Vous ne pouvez pas utiliser le mode appairage pour plusieurs canaux simultanément.
- Lorsqu'un canal du récepteur d'extension est en mode appairage, tous les autres canaux peuvent toujours être utilisés normalement.
- Les microphones jumelés peuvent être retirés du PC de configuration/maintenance installé dans le logiciel de soutien. Reportez-vous au manuel du logiciel de soutien pour plus de détails.

■ Appairage filaire

Jumelez un microphone au récepteur via une connexion filaire.

La connexion filaire utilise un câble de conversion (mâle micro type B à femelle type A ; à se procurer localement) et un câble USB 2.0 (mâle type A à mâle micro type B ; à se procurer localement).

* Utilisez un câble hôte USB (OTG) comme câble de conversion.

1 Retirer le couvercle du compartiment des piles sur le microphone

Reportez-vous au manuel du microphone pour plus de détails.

2 Connecter le microphone au récepteur connecté à ce produit

Branchez le connecteur [SET] sur le récepteur connecté à ce produit et le connecteur [SET] du microphone via un câble de conversion (mâle micro type B à femelle type A ; à se procurer localement) et un câble USB 2.0 (mâle type A à mâle micro type B ; à se procurer localement).

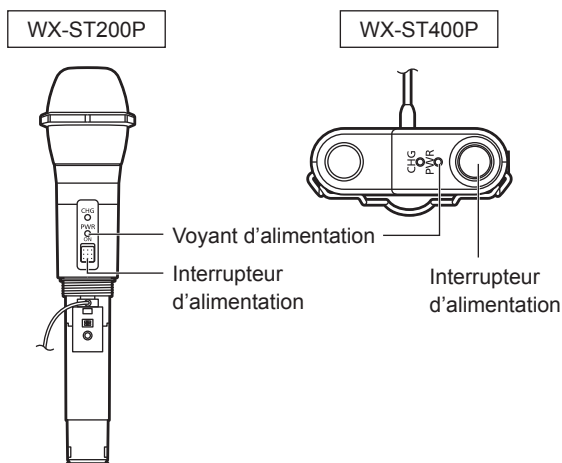
Lors de la connexion des câbles, assurez-vous que le câble de conversion est bien fixé au récepteur. Si d'autres câbles sont connectés, le microphone ne pourra pas être jumelé.

Reportez-vous au manuel du récepteur pour connaître la procédure de connexion détaillée.

3 Mettre l'interrupteur d'alimentation du microphone sur ON

Si le microphone est actuellement éteint, mettez l'interrupteur d'alimentation sur ON.

Quand le microphone et le récepteur d'extension sont connectés par câble, le microphone cesse de transmettre du son.



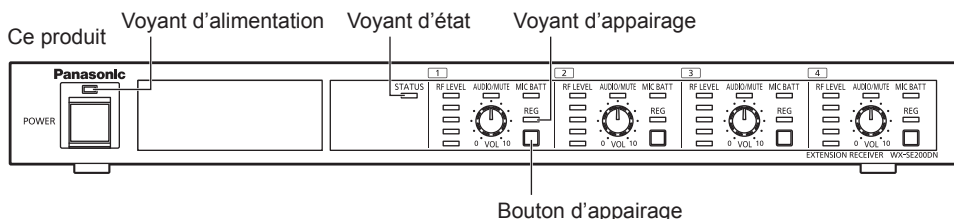
Appairage

4 Jumeler le microphone à ce produit

Assurez-vous que le voyant [POWER] du récepteur d'extension s'allume en vert, puis appuyez pendant au moins deux secondes sur le bouton [REG] du canal auquel vous voulez jumeler un microphone. Le microphone et le récepteur d'extension passent en mode appairage et l'appairage commencera. En mode appairage, le voyant [PWR] du microphone et le voyant [REG] du canal dont le bouton [REG] a été pressé sur le récepteur d'extension clignoteront en orange.

Si l'appairage a terminé avec succès, le voyant [PWR] du microphone passe à l'état normal selon le niveau de pile restant (vert, orange ou rouge), le voyant [REG] du canal jumelé du récepteur d'extension s'allume en vert pendant une seconde, puis s'éteint.

- Si l'appairage n'a pas réussi, le voyant [PWR] du microphone clignotera en rouge.



5 Débrancher le microphone du récepteur

Débranchez les câbles connectant le microphone au récepteur.

Si l'appairage a été effectué avec succès, le microphone commence à transmettre l'audio.

6 Remettre le couvercle du compartiment des piles sur le microphone

Reportez-vous au manuel du microphone pour plus de détails.

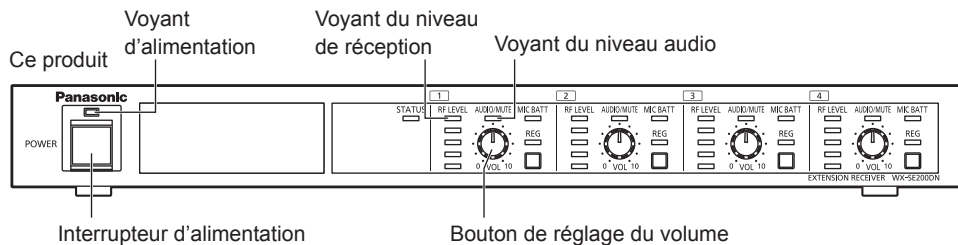


- Le bouton [REG] n'est pas valide si le canal auquel le microphone est jumelé est utilisé. Mettez hors tension le microphone actuellement jumelé, puis jumelez un microphone différent au canal qui est déjà utilisé.
- Lorsqu'un canal du récepteur d'extension est en mode appairage, tous les autres canaux peuvent toujours être utilisés normalement.
- Les microphones jumelés peuvent être retirés du PC de configuration/maintenance installé dans le logiciel de soutien. Reportez-vous au manuel du logiciel de soutien pour plus de détails.

Utilisation

■ Utilisation des microphones

Suivez les étapes ci-dessous pour actionner le produit.



1 Activer ce produit et le récepteur

Mettez l'interrupteur [POWER] du récepteur connecté à ce produit et l'interrupteur [POWER] de ce produit sur ON.

- Les voyants [POWER] (verts) du récepteur d'extension et de ce produit s'allument.
- Le voyant [STATUS] de ce produit s'allume en vert.

2 Allumer le microphone

Réglez l'interrupteur [POWER] du microphone sur ON.

- Le voyant [RF LEVEL] du canal auquel le microphone est jumelé s'allume.
- Le voyant [AUDIO] s'allume quand l'audio est entré dans le microphone.

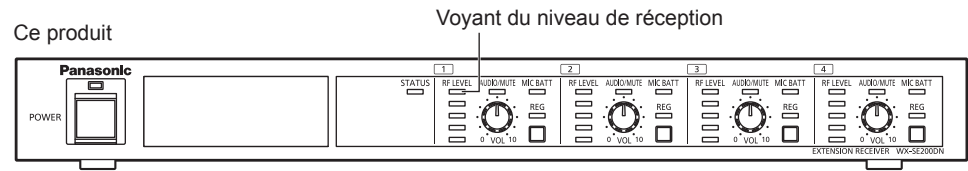
3 Ajuster le volume du microphone

Ajustez le bouton de réglage du volume.

Utilisation

■ Confirmer le niveau de réception de signal

Vous pouvez confirmer l'état de réception de signal.
Affiche le niveau de réception du signal du microphone sur chaque canal sous forme de cinq incréments.



Affichage du voyant [RF LEVEL]

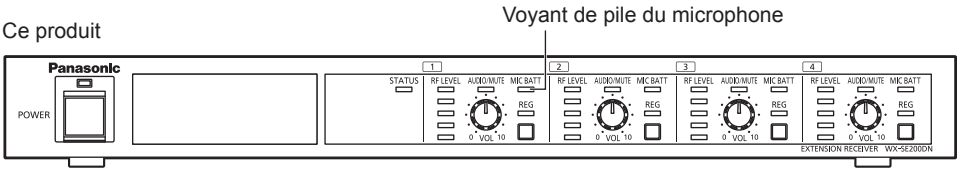
Voyant	État
Allumé (5 lignes vertes)	Niveau 5 (Max.)
Allumé (4 lignes vertes)	Niveau 4
Allumé (3 ligne verte)	Niveau 3
Allumé (2 ligne verte)	Niveau 2
Allumé (1 ligne verte)	Niveau 1 (Min.)
Tous les voyants éteints	Pas de microphone jumelé ou pas de signal des microphones jumelés
Allumé (1 à 5 lignes rouges)	Erreur de réception



- L'installation de l'antenne sans fil et la sélection du champ d'antenne de sorte que le récepteur d'extension affiche toujours au moins trois lignes vertes [RF LEVEL] (niveau 3) dans sa zone d'utilisation garantissent un fonctionnement stable.

■ Confirmer le niveau de pile restant du microphone

Le voyant [MIC BATT] indique le niveau de pile des microphones sur chaque canal en trois incréments. (Le voyant restera éteint s'il n'y a pas d'informations de pile provenant du microphone)



Affichage du voyant [MIC BATT]

Voyant	État
Allumé (vert)	Plus de 1 heure
Allumé (orange)	Moins de 1 heure
Allumé (rouge)	Il n'y a pas de montant restan*
Éteint	Pas de données (pas en appel)

* Remplacez les piles ou, si elles sont rechargeables, rechargez-les.



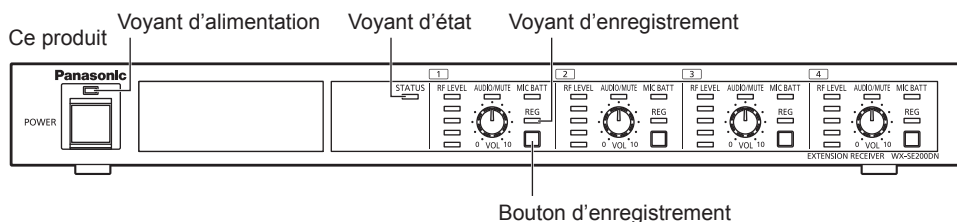
- Si le signal d'informations de pile est perdu, le voyant [MIC BATT] s'éteint, mais il s'allume à nouveau dès que le signal est restauré.
- La durée de vie de la pile dépend de nombreuses variables, telles que le fabricant de la pile, le type de pile et la température à l'intérieur des piles utilisées.
- L'indication du niveau de pile restant change en fonction du type de pile (alcaline ou Ni-MH) du microphone sélectionné avec l'interrupteur de réglage de pile du microphone sur le récepteur. (Reportez-vous au manuel du récepteur pour)
- Régler l'interrupteur de type de pile sur la mauvaise position n'interférera pas avec le fonctionnement du microphone, mais cela peut avoir pour conséquence que les voyants orange et rouge s'allument trop longtemps ou trop brièvement, affichant une lecture erronée du niveau de pile restant.

Utilisation

■ Confirmer les microphones jumelés

1 Régler le récepteur d'extension sur le mode de confirmation de l'appairage

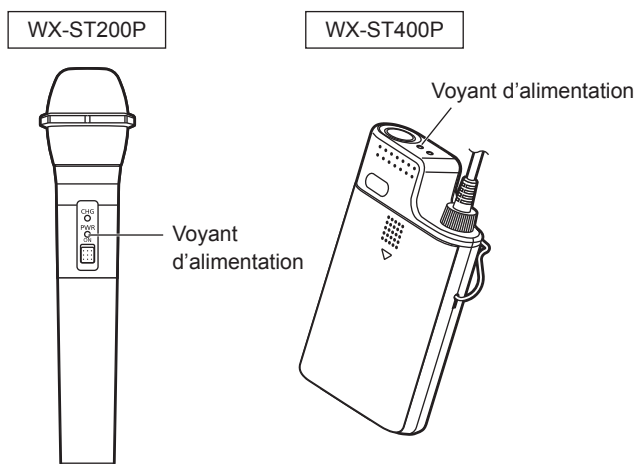
Assurez-vous que le voyant [POWER] du récepteur connecté à ce produit et les voyants [POWER] et [STATUS] de ce produit s'allument en vert, et appuyez un court moment sur le bouton [REG] une fois sur un canal que vous choisissez de vérifier parmi les canaux communiquant avec les microphones. Ensuite, le récepteur d'extension passe en mode de confirmation de l'appairage (le voyant [REG] passe du vert à l'orange alternativement pendant cinq secondes).



2 Vérifier le voyant [PWR] sur le microphone

Quand le récepteur d'extension est en mode de confirmation de l'appairage, le voyant [PWR] des microphones sous tension jumelés avec le canal en mode de confirmation de l'appairage passe du vert à l'orange alternativement. Ceci permet de confirmer les appairages canal/microphone.

Le mode de confirmation d'appairage dure cinq secondes sur le microphone et le récepteur d'extension, après quoi tous deux retournent à leur mode de fonctionnement normal.

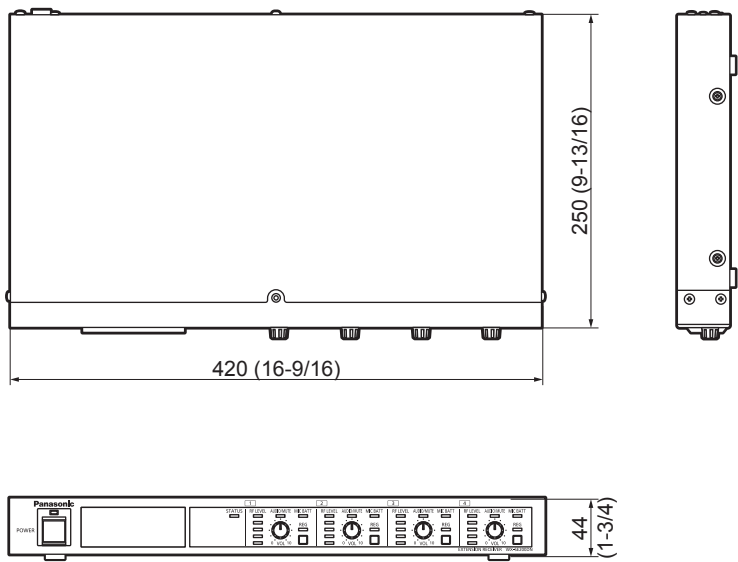




- La confirmation de l'appairage est possible pour les canaux communiquant avec le microphone (le canal sur lequel le voyant [RF LEVEL] a au moins une ligne allumée). Appuyer sur le bouton [REG] d'un canal sans communication microphonique n'aura aucun effet.
- La confirmation de l'appairage peut également être effectuée à partir du microphone. L'audio du microphone sera maintenu lors de la transmission pendant la confirmation de l'appairage.
Reportez-vous également au manuel du microphone.
- Quand le voyant [REG] du récepteur d'extension clignote en rouge pendant le mode de confirmation de l'appairage, aucun microphone n'est jumelé à ce canal. Effectuez les étapes décrites à la section "Appairage" (page 67).

Dimensions

Unité : mm (po)



Diagnostic des pannes

Vérifiez les problèmes courants énumérés dans ce tableau avant de demander l'aide d'un professionnel.

Si aucun des conseils fournis ici ne sont utiles, si vous rencontrez un problème non répertorié ici, ou en cas de doutes, contactez le détaillant pour plus d'informations.

Problème	Cause/mesure	Page de référence
Le produit ne s'allume pas	La prise d'alimentation est-elle correctement insérée dans une prise de courant? ➡ Assurez-vous qu'elle est correctement branchée.	55, 64, 65
Aucune sortie audio	Le câble LAN est-il correctement branché? ➡ Connectez le câble à un connecteur de récepteur.	54, 65
	Le câble de sortie est-il correctement connecté au dispositif de sortie? ➡ Connectez le câble de sortie au dispositif de sortie.	55, 64
	Le câble LAN est-il débranché du connecteur du réseau Dante ? ➡ Contrôler si le câble LAN est branché au connecteur du réseau Dante.	55, 60, 61
	L'interrupteur [POWER] est-il réglé sur ON ? ➡ Réglez l'interrupteur [POWER] sur la position ON. Réglez également l'interrupteur [POWER] du récepteur connecté sur la position ON.	53, 71
	Le bouton de réglage est-il réglé sur une valeur supérieure à [0]? ➡ Ajustez le volume sonore avec le bouton de réglage dédié.	54, 71
Je ne peux pas jumeler les microphones	Le câble LAN est-il correctement inséré? ➡ Connectez le câble à un connecteur de récepteur.	54, 65
	D'autres microphones sont-ils utilisés? ➡ Cessez d'utiliser l'autre microphone avant d'en jumeler un nouveau.	68, 70
	Les piles du microphone sont-elles épuisées ? ➡ Si c'est le cas, remplacez-les (s'il s'agit de piles alcalines non rechargeables) ou rechargez-les (s'il s'agit de piles rechargeables) avant de les jumeler.	Manuel du microphone
Le voyant [STATUS] clignote en vert	Le câble LAN est-il correctement inséré? ➡ Connectez le câble à un connecteur de récepteur.	54, 65

Spécifications

Alimentation électrique		120 V CA, 60 Hz
Consommation électrique		12 W
Réponse en fréquence		50 Hz à 15 kHz
Connecteur d'entrée du récepteur d'extension	Nombre de connecteurs	1
	Connecteur	RJ-45
	Câbles compatibles	Câble LAN droit (non croisé) Cat 5, Cat 5e ou Cat 6
Connecteur d'entrée externe	Connecteur	Connecteur Euroblock
	Caractéristique de l'entrée	-10 dBV equilibrium 600 Ω
Connecteur de sortie de mixage	Connecteur	Connecteur Euroblock
	Caractéristique de la sortie	-10 dBV equilibrium 600 Ω
	S/N	64 dB ou plus
Connecteur primaire Dante	Connecteur	RJ-45
	Connexion réseau	Réseau Dante
	Type de sortie	ch1/ch2/ch3/ch4/Mix
	Voyants	LINK/ACT (État), 1G (Vitesse)
Connecteur secondaire Dante	Connecteur	RJ-45
	Connexion réseau	Réseau Dante
	Type de sortie	ch1/ch2/ch3/ch4/Mix
	Voyants	LINK/ACT (État), 1G (Vitesse)
Connecteur réseau	Connecteur	RJ-45
	Méthode de transmission	100BASE-TX
Connecteur pour [SET]	Connecteur	Micro USB type B

Affichage (voyants)	Commun	Alimentation, état
	Par canal	Niveau de RF (5 niveaux), niveau audio/sourdine, pile de microphone, enregistrement
Plage de température de fonctionnement		0 °C à 45 °C (32 °F à 113 °F)
Plage d'humidité de fonctionnement		0 % à 90 % (sans condensation)
Dimensions		Environ 420 mm (L) x 44 mm (H) x 250 mm (P) (16-9/16 po x 1-3/4 po x 9-13/16 po) (Sans tenir compte des pieds en caoutchouc, boutons et autres parties saillantes)
Masse		Environ 2,8 kg (6,17 lb)
Finition		Finition noire

Accessoires standard

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Connecteur Euroblock 6 broches	1

Appendix - Licenses

xnprintf for C/C++

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<http://savannah.nongnu.org/projects/xnprintf>

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<http://sourceforge.net/projects/ptpd/files/>

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Appendix - Licenses

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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