Panasonic®
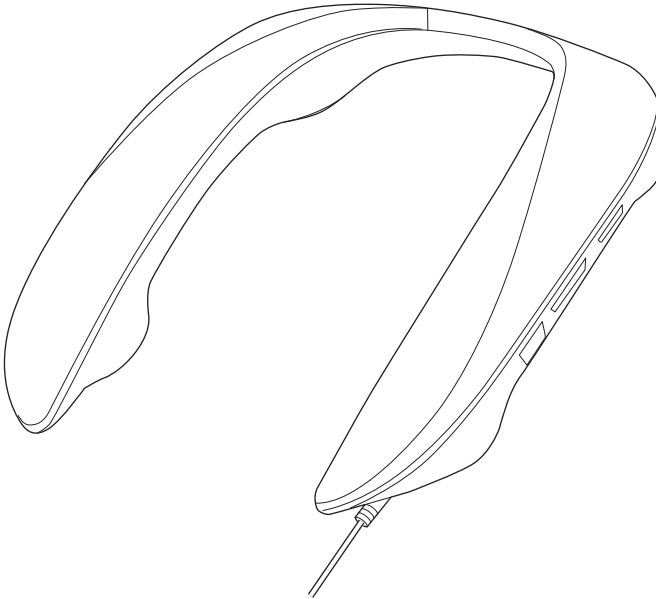
Owner's Manual

Wearable Speaker System

Model No. SC-GN01

✕ SOUNDSLAYER™

Thank you for purchasing this product.
Please read these instructions carefully before using this product, and save this manual for future use.

Register online at http://shop.panasonic.com/support
(U.S. customers only)

If you have any questions, visit:
In the U.S.A.:
http://shop.panasonic.com/support

In Canada:
www.panasonic.ca/english/support

Safety precautions

■**Unit**

> **WARNING:**
>
> **To reduce the risk of fire, electric shock or product damage,**
> **• Do not expose this unit to rain, moisture, dripping or splashing.**
> **• Do not place objects filled with liquids, such as vases, on this unit.**
> **• Use the recommended accessories.**
> **• Do not remove covers.**
> **• Do not repair this unit by yourself. Refer servicing to qualified service personnel.**

■**Places where you use or store the product**
• This unit is for indoor use.
• Do not use or leave where the temperature is extremely high such as in locations exposed to direct sunlight or near heating devices.
• Do not use or leave in locations with a lot of dust.
• Do not use or leave in locations with a lot of vibration.
• Do not use or leave in locations with a lot of moisture, such as bathrooms.

■**Handling**
• Do not drop, hit, or apply strong shocks. This may cause malfunction.
• Sound may be interrupted or you may hear noise if the plug tip is dirty. If this occurs, wipe the tips of the plug and plug adaptor clean with a soft dry cloth.
• When connected with the audio cable (supplied)
  – This unit is for use with stereo AV devices.
  – Sound is not output from the right side (R) if used with monaural devices.
• If the USB cable has excess length, coil it up to an appropriate length on the USB plug side before use.

> This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.

> The symbols on this product (including the accessories) represent the following: === DC

THE FOLLOWING APPLIES ONLY IN THE U.S.A.
FCC Note:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. 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.

Supplier's Declaration of Conformity

Trade Name:	Panasonic
Model No.:	SC-GN01
Responsible Party:	Panasonic Corporation of North America
	Two Riverfront Plaza, Newark, NJ 07102-5490
Support Contact:	http://shop.panasonic.com/support

THE FOLLOWING APPLIES ONLY IN CANADA.
CAN ICES-003(B)/NMB-003(B)

Conforms to
UL STD 62368-1.
Certified to CAN/CSA STD
C22.2 No.62368-1.
Conforme à la norme CAN/CSA
C22.2 No.62368-1.

Table of contents

Expressions used in this document

• Pages to be referred to are indicated as "➡ ○○".
• The product illustrations may differ from the actual product.
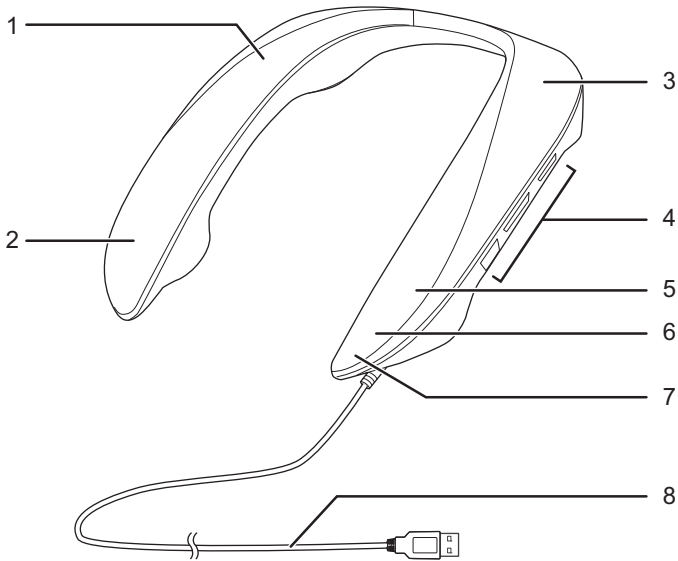
Accessories

Please check and identify the supplied accessories.

1 x Audio cable

Maintenance

• To clean the main unit, wipe with a soft, dry cloth.
• Never use alcohol, paint thinner or benzine to clean this system.
• Before using chemically treated cloth, read the instructions that came with the cloth carefully.

Part names (Main unit)

1   Surround (R) speaker
2   Front (R) speaker
3   Surround (L) speaker
4   Operation buttons/audio input/output terminal (➜ 7, "Part names (Operation buttons/audio input/output terminal)")
5   Front (L) speaker
6   Microphone
7   Operation indicator (red) (➜ 13, "Microphone muting")
8   USB cable

Part names (Operation buttons/audio input/output terminal)
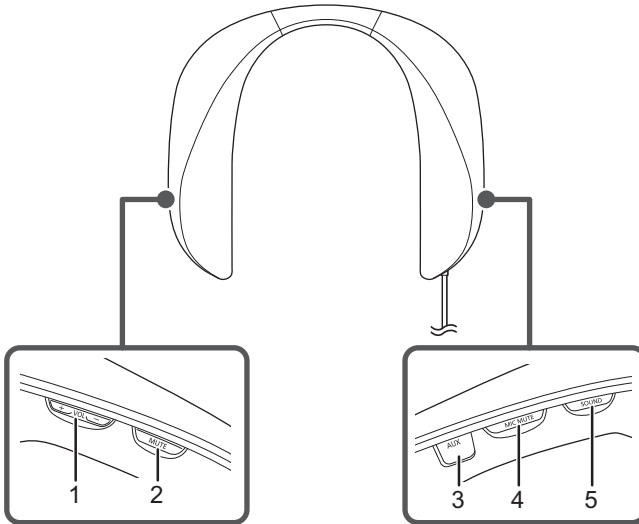
1 [+ VOL −] buttons (volume buttons)
2 [MUTE] button (sound mute button)
3 Audio input/output terminal [AUX] (connect the supplied sound audio cable)
4 [MIC MUTE] button (microphone mute button)
5 [SOUND] button (sound mode button)

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Connecting with the USB cable (USB input)
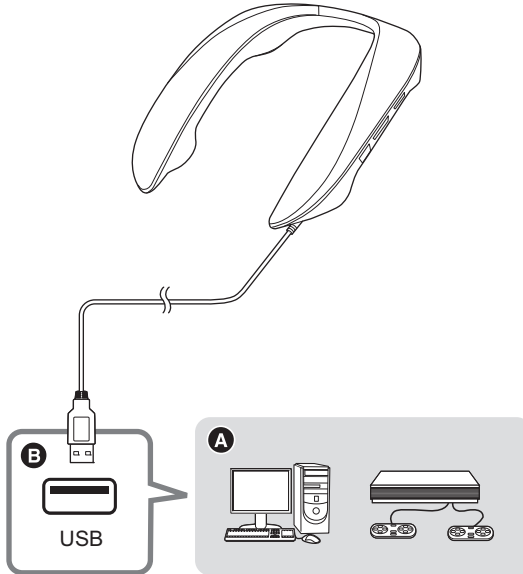
Ⓐ Connected device
Ⓑ Connect to a USB port with a power supply capacity of 5 V 900 mA. (A USB3.0 port is recommended.)
  Volume reduces if the power supply of the port is 5 V 500 mA.

Connect to a device with a USB port (PC, PS4/PS5, etc.).
• Power is supplied from the USB port that the unit is connected to.
• First turn on the device to be connected, then connect this unit.
• In order to properly use this unit, depending on the operating environment and OS, you need to change some sound
  settings on the computer. (→ 9, "When connecting to a PC")

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■ **When connecting to a PC**

In order to properly use this unit, depending on the operating environment and OS, you need to change some sound settings on the computer. Two devices are shown when you connect this unit, so make the settings as follows:

Make "Panasonic SC-GN01 (Game)" the default device for "Playback".

1   Click the speaker icon in the task tray.
2   Click the " ⌃ " at the top right of the volume bar.
3   Select "Panasonic SC-GN01 (Game)".

Make "Panasonic SC-GN01 (Game)" the default device for "Playback",
make "Panasonic SC-GN01 (Chat)" the default device for "Recording".
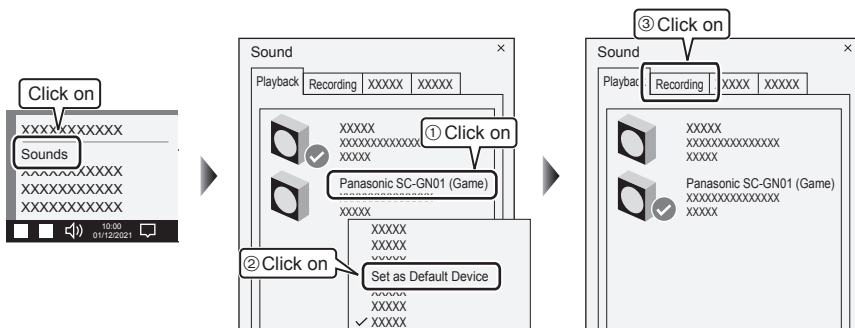
1   Right-click the speaker icon in the task tray and select "Sounds".
2   Click the "Playback" tab.
3   Right-click "Panasonic SC-GN01 (Game)" and select "Set as Default Device".
4   Click the "Recording" tab.
5   Right-click "Panasonic SC-GN01 (Chat)" and select "Set as Default Device".

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Connecting with the supplied audio cable (analogue input)
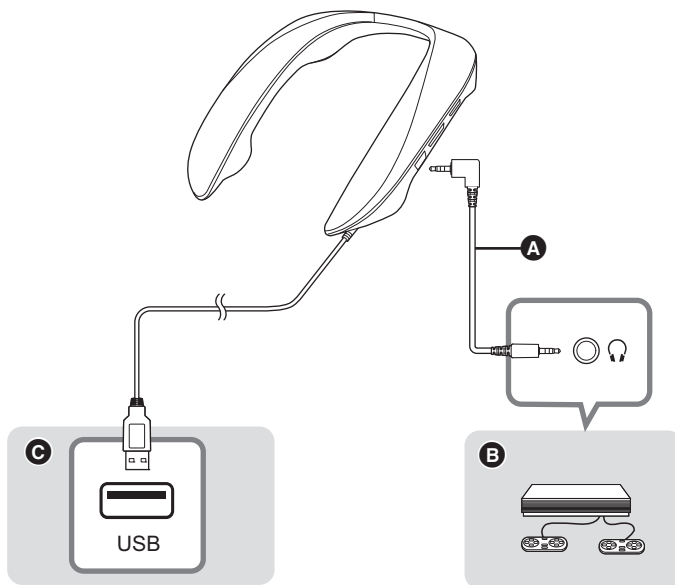
Ⓐ Audio cable (supplied)
Ⓑ Connected device
Ⓒ a USB AC adaptor, etc.

Connect using the supplied audio cable.
Use this method when connecting to a device equipped with an analogue audio input/output terminal (headset terminal) (Nintendo Switch, Xbox, etc.).
• Power is not supplied to this unit when only the audio cable is used for the connection. Also connect the USB cable to a port that supplies power (a USB AC adaptor, etc.).

Note:
• Do not use any other audio cables except the supplied one.
• Connect this unit and the connected device with the audio cable first, then connect the USB cable to the power source (USB AC adaptor, etc.). Noise may occur if you plug in or unplug the audio cable while the USB cable is connected (power is being supplied).
• Noise may occur if you connect a device which is the same as the input and output of analogue audio signals or another device that is connected by some kind of wiring with a USB cable.

Fit the unit

Fit the unit by putting it around your shoulders, taking care of how it is positioned.

Turning the unit on and off

The power for this unit is turned on and off by plugging the USB cable into or unplugging it from the power supply.

To turn the unit on
Plug the USB cable into the power supply.

To turn the unit off
Unplug the USB cable from the power supply.

Note:
• When using a USB AC adaptor, etc., connect the USB cable to it first, then plug it to the mains socket.
• If the sound is distorted, turn down the volume.
• If there is an excessive input signal, the function of this unit may stop automatically and the power may be turned off for safety.

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Basic operations

Adjusting the volume

Adjust the volume. (17 levels)

Press the [+ VOL −] buttons.

Note:
• The volume setting is maintained even when the power is turned off.
• Separate volume settings are maintained for connection using the USB cable (USB input) and connection using the supplied audio cable (analogue input).

Muting (speaker mute)

Temporarily makes the sound inaudible.
• A voice prompt will notify you that speaker muting is ON/OFF.

Press the [MUTE] button.

An operation tone is made and the sound is muted.
• Press again to cancel.

Note:
• Mute is cancelled in the following cases:
  – When the power is turned off/on
  – When volume is adjusted
  – When the unit enters the mode for balancing the speakers
  – When the unit enters the sound positioning mode

Changing the unit's settings

Enjoying sound field effects that suit the source (sound mode)

You can enjoy sound field effects that suit the images on connected equipment by switching the sound mode.
(Factory default: RPG)

Press the [SOUND] button.

The voice prompt announces the current mode when you press the [SOUND] button.
The mode changes if you press the [SOUND] button again within 3 seconds of the announcement.
• A guidance message will notify you of the mode you switched to.

RPG	Mode suited to RPG (role-playing games).
FPS	Mode suited to FPS (first-person shooter games).
Voice	Enhances voices. Mode that makes people's voices easier to hear.
Music	Enjoy sound with instruments and vocals enveloping you.
Cinema	Enjoy sound with the spatial effects and power you would expect from a film.
STEREO	Output is stereo.

Note:
• The setting is maintained until it is changed again.

Microphone muting

Switches ON/OFF the microphone.
• A voice prompt will notify you that microphone muting is ON/OFF.

Press the [MIC MUTE] button.

The operation indicator (red) lights and the microphone is muted.
• Press again to cancel.

Note:
• Mute is cancelled when you turn off the unit.

Changing the volume balance between the front and back speakers (balance mode)

You can adjust sound balance by changing the output of the surround speakers against the front speakers.
(Factory default: Unadjusted (0 dB))

1 **While pressing the [MIC MUTE] button, press the [VOL −] button.**
- An operation tone is made and the unit is in the mode for balancing the speakers.
- When the unit enters the mode for balancing the speakers, the operation indicator blinks twice each time.

2 **While the unit is in the mode for balancing the speakers, press the [+ VOL −] buttons to adjust (7 levels).**
- Output increases when you press the [+ VOL] button.
- Output decreases when you press the [VOL −] button.
- Operation tones are made at the maximum value (+3 dB), unadjusted value (0 dB), and minimum value (−3 dB).

3 **Press any button other than the [+ VOL −] buttons to complete the settings.**
- The settings are also completed if the unit is left in the mode for balancing the speakers for 10 seconds or more.

Note:
- These can only be adjusted when this unit is connected by the USB cable.
- The setting is maintained until it is changed again.

Changing the volume of the other party in a chat (chat volume mode)

Adjust the audio output of the other party in a chat that is output from the speakers.
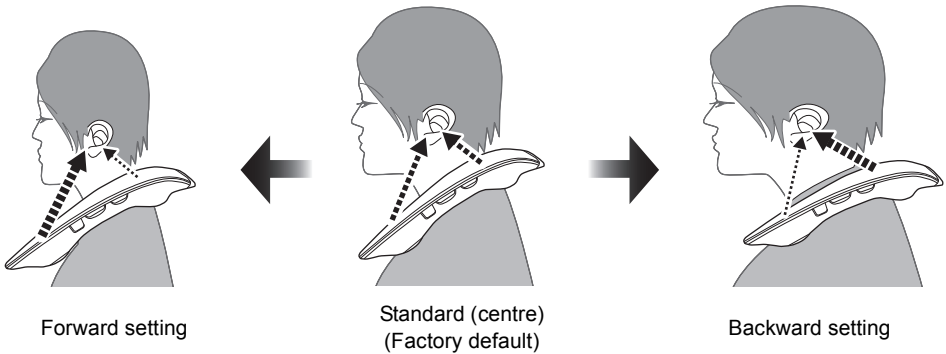(Factory default: Unadjusted value (0 dB))

1 **While pressing the [MIC MUTE] button, press the [+ VOL] button.**
- An operation tone is made and the unit is in the chat volume mode.
- When the unit enters the chat volume mode, the operation indicator blinks three times each time.

2 **While the unit is in the chat volume mode, press the [+ VOL −] buttons to adjust (7 levels).**
- Output increases when you press the [+ VOL] button.
- Output decreases when you press the [VOL −] button.
- Operation tones are made at the maximum value (+3 dB), unadjusted value (0 dB), and minimum value (−3 dB).

3 **Press any button other than the [+ VOL −] buttons to complete the settings.**
- The settings are also completed if the unit is left in the chat volume mode for 10 seconds or more.

Note:
- These can only be adjusted when this unit is connected to a computer by the USB cable.
- The setting is maintained until it is changed again.

Sound positioning mode

It may not be possible to achieve a suitable surround effect due to the difference in positioning between the front and back speakers compared to the ear when the unit is placed on your shoulders. You can make allowances so that it sounds suitable by adjusting the audio output of the speakers.

Forward setting   Standard (centre) (Factory default)   Backward setting

1 **While pressing the [MIC MUTE] button, press the [MUTE] button.**
  • An operation tone is made and the unit is in the sound positioning mode.
  • When the unit enters the sound positioning mode, the operation indicator blinks four times each time.

2 **While the unit is in the sound positioning mode, press the [+ VOL −] buttons to adjust.**
  • Pressing the [+ VOL] button sets the speaker sound position forwards.
  • Pressing the [VOL −] button sets the speaker sound position backwards.
  • An operation tone is made when set to forward, standard (centre), or backward.

3 **Press any button other than the [+ VOL −] buttons to complete the settings.**
  • The settings are also completed if the unit is left in the sound positioning mode for 10 seconds or more.

Note:
• The setting is maintained until it is changed again.

Opening sound settings

An opening sound is made when you turn on this unit. Use the following procedure to turn off the opening sound (so the sound is not made).

To turn the opening sound off

Press and hold the [MUTE] button for 10 or more seconds.

• An operation tone is made and the opening sound is turned off.
• To turn the sound on again, press and hold the [MUTE] button for 10 seconds again.

Note:
• The setting is maintained until it is changed again.

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Restore factory settings

This is done when returning the unit to the state of purchase, such as by discarding or transferring the unit.

1 **Press [VOL −] until the volume reaches the minimum level [0].**
   • An operation tone is made when the volume reaches the minimum level [0].

2 **Press and hold the [SOUND] and [MUTE] buttons for about 5 seconds or more.**
   • An operation tone is made and the unit is in the factory settings mode.
   • When the unit enters the factory settings mode, the operation indicator blinks once every second.

3 **Press the [MIC MUTE] button while the unit is in the factory settings mode.**

   • The settings are each initialised, returning to the factory settings.

Licenses

SOUNDSLAYER is a trademark of Panasonic Corporation.

PS4 and PS5 are registered trademarks or trademarks of Sony Interactive Entertainment Inc.

Windows, Xbox, Xbox One, Xbox Series S, Xbox Series X are registered trademarks or trademarks of Microsoft Corporation.

Nintendo Switch is a registered trademark or a trademark of Nintendo.

Other names of systems and products mentioned in these instructions are usually the registered trademarks or trademarks of the manufacturers who developed the system or product concerned.
Some TM and ® marks are not specified in the text.

Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to "Customer Services Directory" on "Basic Owner's Manual" if you reside in the U.S.A., or refer to "CONTACT INFORMATION" on "Basic Owner's Manual" if you reside in Canada, or consult your dealer for instructions.

The unit does not work.
• Make sure the USB cable is firmly connected to the USB port of each device or the AC adaptor (optional).
• Make sure the USB port is normal. If there are other USB ports on your computer, try using one of the other USB ports.
• If the power still does not come on even after performing the above, unplug the USB cable and then plug it in again.

There is no sound.
• The USB port or plug may be dirty. Wipe the USB port and plug clean with a soft dry cloth.
• The sound may have been muted or turned down low on the connected device. Adjust the volume on the connected device.
• Make sure that "Panasonic SC-GN01 (Game)" is selected as the audio output device on the connected device.

The sound is low.
• Also increase the volume on the other devices as well as this unit.
• You may have connected to a USB2.0 port. Connect to a USB3.0 port.

There are interruptions to the sound. / Too much noise. / Poor sound quality.
• Make sure the USB port is normal. If there are other USB ports on your computer, try using one of the other USB ports.
• There may be a USB hub between the unit and the computer. If there are other USB ports on your computer, try using one of the other USB ports.
• You may be trying to supply power from the USB port of a device which is the same as the input and output of analogue audio signals or another device that is connected by some kind of wiring. Supply power with a USB AC adaptor, etc..

Cannot operate the unit.
• Try unplugging the USB cable and then plugging it in again.

There is no surround effect.
• Make sure that "Panasonic SC-GN01 (Game)" is selected as the sound device on your PC.

No output of chat audio.
• Make sure that "Panasonic SC-GN01 (Chat)" is selected as audio output device on your game, chat app, or meeting app, etc.

Poor sound quality for chat audio.
• Turn off the noise cancelling functions in the apps you are using for chat or meetings, then try again.

Low volume for chat audio.
• Also increase the volume on the other devices as well as this unit.

No output of analogue audio.
• Check whether there is a problem with the headphone jack or analogue output terminal on the device you are using. Use a pair of earphones or headphones to check whether audio is being output correctly, then try again.

This unit is not detected when connected with the USB cable.
• Try restarting the connected device.

An opening sound is made while the USB cable is connected.
• Due to its specifications, the connected device may temporarily stop supplying power via USB. When this occurs, this unit may turn off and then on, but it is not a malfunction.

I have changed the settings in the balance mode and chat volume mode, but the speaker volume does not increase after the change.
• This unit has a function that activates a control mechanism that suppresses the output when the volume is high. This is not a malfunction. Before making adjustments, lower the volume.

Specifications

■ **General**

Power supply	DC 5 V, 900 mA • Power is supplied from the USB cable on the connected equipment
Power consumption	Approx. 4.5 W
Dimensions (W × H × D)	Approx. 240 mm (9 $1/2''$) × 46 mm (1 $13/16''$) × 209 mm (8 $1/4''$)
Length of USB cable	Approx. 3 m (9.8 ft)
Mass (Weight)	Approx. 244 g (8.6 oz)
Operating condition	Operating temperature range: 5 °C to 35 °C (41 °F to 95 °F) Operating humidity range: 20 %RH to 80 %RH (no condensation)

■ **Amplifier section**

Total RMS output power (non-simultaneous drive)	4 W[*1] (1 kHz, T.H.D., 10.0 %, 6 Ω, 20 kHz LPF)
FTC output power	0.2 W + 0.2 W + 0.1 W + 0.1 W[*1] (1 kHz, T.H.D., 1.0 %, 6 Ω, 20 kHz LPF)

■ **Speaker section**

Front speaker (L/R) built in, Surround speaker (L/R) built in	Speaker units: 3 cm (1 $3/16''$) Cone type 4 pcs Impedance: 6 Ω

■ **Microphone section**

Microphone units	MEMS type 2 pcs

■ **Terminal section**

USB plug	USB Type A
Audio input/output (AUX) (for headset terminal)[*2]	3.5 mm mini jack CTIA compliant[*3]

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■ Compatible equipment[*4]

Connection with USB cable	PC, PS4/PS5, Nintendo Switch (TV mode)
Connection with Audio cable[*5]	PC, PS4/PS5, Xbox One/Xbox Series S/X, Nintendo Switch (Tabletop/Handheld mode)
PC compatible OS[*6]	Windows 10

■ Accessories

Audio cable	Approx. 1.5 m (4.9 ft)

*1 When the power supply capacity of the USB port on the connected device is 5 V 900 mA. Volume reduces if the power supply is 5 V 500 mA.

*2 When the audio cable (supplied) is used for the connection to the headset terminal on the connected device, also connect the USB cable to either the USB port on the connected device or to a USB AC adaptor (optional). Use a USB AC adaptor (optional) with a power supply capacity equivalent to 5 V 900 mA.

*3 Audio output and microphone input operation is not guaranteed with all devices equipped with headset terminals compatible with a 3.5 mm mini jack.

*4 Before connecting with other devices, be sure to read the operating instructions for each of the devices.

*5 For use, connect the USB plug to either the USB port on the connected device or to a USB AC adaptor (optional).

*6 Operation is not guaranteed on all computers that are running the supported OSs.

• Specifications are subject to change without notice.