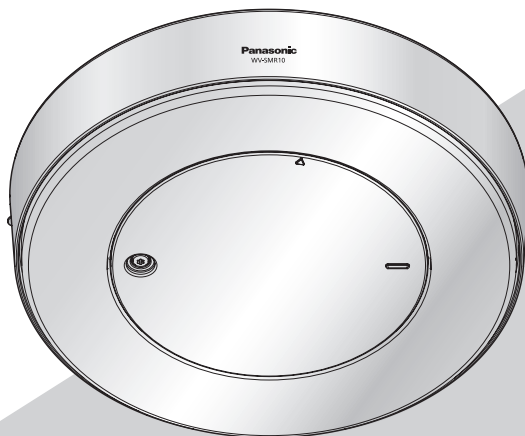


Panasonic®

Important Information

Network Microphone

Model No. **WV-SMR10**



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.

WARNING:

- The apparatus should not be exposed to dripping or splashing.
- To prevent injury, this apparatus must be securely attached to the wall/ceiling in accordance with the installation instructions.
- To prevent fire or electric shock hazard, do not expose this apparatus to rain or moisture.
- The installation shall be carried out in accordance with all applicable installation rules.
- The connections should comply with local electrical code.
- All work related to the installation of this product should be made by qualified service personnel or system installers.

CAUTION:

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

For Canada

CAN ICES-3(A)/NMB-3(A)

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.

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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. _____

For Europe

We declare under our sole responsibility that the product to which this declaration relates is in conformity with the standard or other normative document following the provisions of Directive 2004/108/EC.

Wir erklären in alleiniger Verantwortung, daß das Produkt, auf das sich diese Erklärung bezieht, mit der folgenden Norm oder normativen Dokument übereinstimmt. Gemäß den Bestimmungen der Richtlinie 2004/108/EC.

Nous déclarons sous notre propre responsabilité que le produit auquel se réfère la présente déclaration est conforme à la norme spécifiée ou à tout autre document normatif conformément aux dispositions de la directive 2004/108/CE.

Nosotros declaramos bajo nuestra única responsabilidad que el producto a que hace referencia esta declaración está conforme con la norma u otro documento normativo siguiendo las estipulaciones de la directiva 2004/108/CE.

Noi dichiariamo sotto nostra esclusiva responsabilità che il prodotto a cui si riferisce la presente dichiarazione risulta conforme al seguente standard o altro documento normativo conforme alle disposizioni della direttiva 2004/108/CE.

Wij verklaren als enige aansprakelijke, dat het product waarop deze verklaring betrekking heeft, voldoet aan de volgende norm of ander normatief document, overeenkomstig de bepalingen van Richtlijn 2004/108/EC.

Vi erklærer os eneansvarlige for, at dette produkt, som denne deklaration omhandler, er i overensstemmelse med standard eller andre normative dokumenter i følge bestemmelserne i direktiv 2004/108/EC.

Vi deklarerar härmed vårt fulla ansvar för att den produkt till vilken denna deklaration hänvisar är i överensstämmelse med standarddokument eller annat normativt dokument som framställs i direktiv 2004/108/EC.

Ilmoitamme yksinomaisella vastuullamme, että tuote, jota tämä ilmoitus koskee, noudattaa seuraavaa standardia tai muuta ohjeellista asiakirjaa, jotka noudattavat direktiivin 2004/108/EC sääöksiä.

Vi erklærer oss alene ansvarlige for at produktet som denne erklæringen gjelder for, er i overensstemmelse med følgende norm eller andre normgivende dokumenter som følger bestemmelsene i direktiv 2004/108/EC.

For U.S.A

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material – special handling may apply. See www.dtsc.ca/gov/hazardouswaste/perchlorate/

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* For information about the installation tasks, refer to the provided Installation Guide.

Important safety instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) 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.

Limitation of liability

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IN NO EVENT SHALL Panasonic Corporation BE LIABLE TO ANY PARTY OR ANY PERSON, EXCEPT FOR REPLACEMENT OR REASONABLE MAINTENANCE OF THE PRODUCT, FOR THE CASES, INCLUDING BUT NOT LIMITED TO BELOW:

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- (2) ANY INCONVENIENCE, LOSS, OR DAMAGE CAUSED BY INAPPROPRIATE USE OR NEGLIGENT OPERATION OF THE USER;
- (3) ALL MALFUNCTIONS OR TROUBLES FROM UNAUTHORIZED DISASSEMBLE, REPAIR OR MODIFICATION OF THE PRODUCT BY THE USER, REGARDLESS OF THE CAUSE OF THE MALFUNCTION OR TROUBLE;
- (4) INCONVENIENCE OR ANY LOSS ARISING WHEN AUDIO IS NOT OUTPUTTED, DUE TO ANY REASON OR CAUSE INCLUDING ANY FAILURE OR PROBLEM OF THE PRODUCT;
- (5) ANY PROBLEM, CONSEQUENTIAL INCONVENIENCE, OR LOSS OR DAMAGE, ARISING OUT OF THE SYSTEM COMBINED BY THE DEVICES OF THIRD PARTY;
- (6) ANY CLAIM OR ACTION FOR DAMAGES, BROUGHT BY ANY PERSON OR ORGANIZATION BEING A SUBJECT OF SURVEILLANCE IMAGES OR AUDIO, DUE TO VIOLATION OF PRIVACY WITH THE RESULT OF THAT SURVEILLANCE CAMERA'S IMAGES OR AUDIO, INCLUDING SAVED DATA, FOR SOME REASON, BECOMES PUBLIC OR IS USED FOR ANY PURPOSE;
- (7) LOSS OF REGISTERED DATA CAUSED BY ANY FAILURE.

Preface

The network microphone WV-SMR10 is designed to be operated using a PC on a network (10BASE-T/100BASE-TX).

By connecting the microphone to a network (LAN) or the Internet, audio from the microphone can be monitored on a PC via a network.

Note:

- It is necessary to configure the network environment settings of the PC to monitor audio from the microphone on the PC. It is also necessary to install a web browser on the PC.
-

Main functions

360° audio monitoring

With multiple microphones, 360° audio monitoring from a specified direction is possible.

Specifying a desired direction on a camera image

While viewing a Panasonic 360° Network Camera image, audio from the desired location can be freely specified by clicking on that location.

- * Specifying the direction is available when the image capture mode is Fisheye or Wall Panorama. When the image capture mode is Quad PTZ or Single PTZ, audio can be heard from the center of the image displayed on the "Live" page.

Synchronizing with the Network Disk Recorder

After recording audio to a Panasonic Network Disk Recorder*, the sound collecting direction can be specified while playing back the recorded image of the 360° Network Camera.

- * Models WJ-NV300 is supported (as of August 2014).

Can be installed with a 360° Network Camera as one unit

The microphone can be neatly installed in one place by integrating it with a 360° Network Camera.

About the user manuals

There are 3 sets of operating instructions for the WV-SMR10 as follows.

- Important Information (this document): Provides information about the cautions required for safely using and installing this microphone.
- Installation Guide*: Explains how to connect devices.
- Operating Instructions (included in the CD-ROM): Explains how to perform the settings and how to operate this microphone.

Adobe® Reader® is required to read these operating instructions on the provided CD-ROM.

When the Adobe Reader is not installed on the PC, download the latest Adobe Reader from the Adobe web site and install it.

- * English screens are used in these operating instructions and leaflets.

System requirements for a PC

CPU:	Intel® Core™ i5 2.4 GHz or faster recommended
Memory:	3 GB or more
Network Interface:	10BASE-T/100BASE-TX 1 port
Audio Interface:	Sound card
Monitor:	Image capture size: 1024 x 768 pixels or more Color: 24-bit True color or better
OS:	Microsoft® Windows® 8.1 Microsoft® Windows® 8 Microsoft® Windows® 7 Microsoft® Windows Vista®
Web browser:	Windows® Internet Explorer® 11 (32-bit) Windows® Internet Explorer® 10 (32-bit) Windows® Internet Explorer® 9 (32-bit) Windows® Internet Explorer® 8 (32-bit) Microsoft® Internet Explorer® 7 (32-bit)
Others:	CD-ROM drive (It is necessary to read the operating instructions and use the software on the provided CD-ROM.) DirectX® 9.0c or later Adobe® Reader® (It is necessary to view the PDF file on the provided CD-ROM.)

IMPORTANT:

- When using a PC that does not meet the above requirements, audio may be interrupted or may contain noise.
- Audio may not be heard if a sound card is not installed on a PC. Audio may be interrupted depending on the network environment.
- Microsoft Windows RT, Microsoft Windows 7 Starter and Microsoft Windows Vista Starter are not supported.
- When using Microsoft Windows 8.1, or Microsoft Windows 8, use it in the desktop. The software cannot be used in the Modern UI design.
- Touch operations on Microsoft Windows 8.1, Microsoft Windows 8, and Microsoft Windows 7 are not supported.

Note:

- For further information about PC system requirements and precautions for when using Microsoft Windows 8.1, Microsoft Windows 8, Microsoft Windows 7, Microsoft Windows Vista, or Windows Internet Explorer, click “Manual” - “Open” from the supplied CD-ROM and refer to “Notes on Windows® / Internet Explorer® versions”.
 - For information on the operation verification of the supported operating systems and web browsers, refer to our website at <http://security.panasonic.com/pss/security/support/info.html>.
-

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- Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.
- Intel and Intel Core are trademarks of Intel Corporation in the U.S. and other countries.
- All other trademarks identified herein are the property of their respective owners.

Copyright

Distributing, copying, disassembling, reverse compiling and reverse engineering of the software provided with this product are all expressly prohibited. In addition, exporting any software provided with this product violating export laws is prohibited.

Network security

As you will use this unit connected to a network, your attention is called to the following security risks.

- ① Leakage or theft of information through this unit
- ② Use of this unit for illegal operations by persons with malicious intent
- ③ Interference with or stoppage of this unit by persons with malicious intent

It is your responsibility to take precautions such as those described below to protect yourself against the above network security risks.

- Use this unit in a network secured by a firewall, etc.
- If this unit is connected to a network that includes PCs, make sure that the system is not infected by computer viruses or other malicious entities (using a regularly updated anti-virus program, anti-spyware program, etc.).
- Protect your network against unauthorized access by restricting users to those who log in with an authorized user name and password.
- Apply measures such as user authentication to protect your network against leakage or theft of information, including audio data, authentication information (user names and passwords), and DDNS server information.
- After the unit is accessed by the administrator, make sure to close the browser.
- Change the administrator password periodically.
- Do not install the microphone in locations where the microphone or the cables can be destroyed or damaged by persons with malicious intent.

Precautions

Refer installation work to the dealer.

Installation work requires technique and experiences. Failure to observe this may cause fire, electric shock, injury, or damage to the product. Be sure to consult the dealer.

Stop the operation immediately when something is wrong with this product.

When smoke goes up from the product, the smell of smoke comes from the product, or the exterior of the product has deteriorated, continued use will cause a fire or the product to fall, resulting in injury, accidents, or damage to the product. Turn the power off immediately and contact qualified service personnel for service.

Do not attempt to disassemble or modify this product.

Failure to observe this may cause fire or electric shock. Consult the dealer for the repair or inspections.

Do not insert any foreign objects.

Fire or electrical shock may be caused if water or any foreign objects, such as metal objects, enter inside the unit. Turn the power off immediately and contact qualified service personnel for service.

Select an installation area that can support the total weight.

Selecting an inappropriate installation surface may cause the product to fall down or topple over, resulting in injury. Installation work shall be started after sufficient reinforcement.

Periodic inspections shall be conducted.

Rust on the metal parts or screws may cause the product to fall, resulting in injury or accidents. Consult the dealer for the inspections.

Do not use this product in an inflammable atmosphere.

Failure to observe this may cause an explosion resulting in injury.

Avoid installing this product in the locations where salt damage occurs or corrosive gas is produced.

Otherwise, the mounting portions will deteriorate and accidents, such as this product falling, may occur.

The exclusively designed mount bracket shall be used.

Failure to observe this may cause the product to fall, resulting in injury or accidents. Use the exclusively designed mount bracket when installing on a ceiling or wall.

The screws and bolts must be tightened to the specified torque.

Failure to observe this may cause the product to fall, resulting in injury or accidents.

Do not install this product in locations subject to vibration.

Loosening of mounting screws or bolts may cause the product to fall, resulting in injury.

Install this product in a location high enough to avoid people and objects from bumping the product.

Failure to observe this may cause the product to fall, resulting in injury or accidents.

Do not strike or give a strong shock to this product.

Failure to observe this may cause fire or injury.

Turn the power off when wiring this product.

Failure to observe this may cause electric shock. In addition, a short circuit or wrong wiring may cause fire.

Only attach a suitable camera to this microphone.

Failure to observe this may cause the product to fall, resulting in injury.

Do not touch this product, the power cord or the connected cables during thunder (even in the process of work).

Failure to observe this may cause electric shock.

Correctly perform all wiring

Short circuits in the wiring or incorrect wiring may cause fire or electrical shock.

Do not install this product outdoors or under eaves

Otherwise, the mounting portions will deteriorate and accidents, such as this product falling, may occur.

Do not damage the power cable.

Do not damage, fabricate, twist, stretch, bundle, or forcibly bend the power cable. Do not place heavy objects on it. Keep it away from heat sources.

Use of the damaged power cable may cause electric shock, short circuit, or fire. Consult the dealer for repair.

Do not hang down from this product or use this product as a pedestal.

Failure to observe this may result in injury or an accident.

Turn the power off when cleaning this product.

Failure to observe this may cause injury.

Do not rub the edges of metal parts with your hand.

Failure to observe this may cause injury.

[Precautions for use]**This product is designed to be used indoors. This product is not operable outdoors.****This product has no power switch.**

When turning off the power, disconnect the power supply from the 12 V DC power supply or the PoE device. (When using both the 12 V DC power supply and the PoE device for power supply, disconnect both the connections.)

Direct current symbol (⎓)

The product is suitable for direct current only.

To keep on using with stable performance

Do not use this microphone in hot and humid conditions for a long time. Failure to observe this causes component degradation resulting in life shortening of this product.

Do not expose this product to direct heat sources such as a heater.

Handle this microphone with care.

Do not drop this product, nor apply shock or vibration to the product. Failure to observe this may cause trouble.

When an error is detected, this product will restart automatically.

This product will be inoperable for around 2 minutes after the restart just as when the power is turned on.

Product disposal/transfer

Data saved on this product may lead to personal information leakage. When it is necessary to dispose or give this product to someone, even when for repair, make sure that there is no data on this product.

Cleaning this product body

Be sure to turn off the power before cleaning. Failure to observe this may cause injury. Do not use strong abrasive detergent when cleaning this product. Otherwise, it may cause discoloration. When using a chemical cloth for cleaning, read the caution provided with the chemical cloth product.

Code label

The code label (accessory) is required at inquiry for trouble. Use caution not to lose these labels. It is recommended to paste one of the labels onto the CD-ROM case.

Indication label

Refer to the indication label on the back of this product for the equipment classification and power source, etc.

Precautions for Installation

Panasonic assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this documentation.

This microphone is designed to be used indoors.

This product is not operable outdoors.

Do not expose this microphone to direct sunlight for hours and do not install the product near a heater or an air conditioner. Otherwise, it may cause deformation, discoloration and malfunction. Keep this microphone away from water and moisture.

Installing place

Contact your dealer for assistance if you are unsure of an appropriate place in your particular environment.

- Make sure that the installation area is strong enough to hold this product, such as a concrete ceiling or wall.
- Install the microphone in the foundation area of the architecture or where sufficient strength is assured.
- Do not mount this product on a plaster board or a wooden section because they are too weak. If this product is unavoidably mounted on such a section, the section shall be sufficiently reinforced or use an optional ceiling mount bracket (WV-Q105A).

Do not place this product in the following places:

- Locations where it may get wet from rain or water splash (including under the eaves, etc.)
- Locations where a chemical agent is used such as a swimming pool
- Locations subject to moisture or oil smoke such as a kitchen
- Locations that have a specific environment that is subject to an inflammable atmosphere or solvents
- Locations where a radiation, an X-ray, a strong radio wave or a strong magnetic field is generated

- Locations where corrosive gas is produced, or locations subject to briny air such as seashores
- Locations where the temperature is not within the specified range (page 15)
- Locations subject to vibrations (This product is not designed for on-vehicle use.)
- Locations subject to condensation as the result of severe changes in temperature (Audio may contain noise or the directionality may deteriorate.)

Be sure to remove this product if it is not in use.

Before installation

- When this microphone is mounted on a ceiling or a wall, use the screws described in the Installation Guide. The screws to be used are not provided. Prepare the screws according to the material, structure, strength and other factors of the mounting area and the total weight of objects to be mounted.
- Ensure that the mounting surface, anchor and screws are sufficiently strong.

About the network connection

When connecting to a network using the network cable of this product, observe the following.

- When wiring for the network, design and engineer wiring not to be affected by thunder.

Screw tightening

- The screws and bolts must be tightened with an appropriate tightening torque according to the material and strength of the installation area.
- Do not use an impact driver. Use of an impact driver may damage the screws or cause excessive tightening.
- Tighten screws at a right angle to the surface. After tightening screws, perform checks to ensure that the tightening is sufficient enough so that there is no movement or looseness.

Procure fixing screws separately.

The screws that secure this product are not supplied. Prepare them according to the material and strength of the area where the product is to be installed.

Radio disturbance

When this product is used near TV/radio antenna, strong electric field or magnetic field (near a motor, a transformer or a power line), noise sound may be produced.

PoE (Power over Ethernet)

Use a PoE hub/device that is compliant with the IEEE802.3af standard.

Router

When connecting this product to the Internet, use a broadband router with the port forwarding function (NAT, IP masquerade).

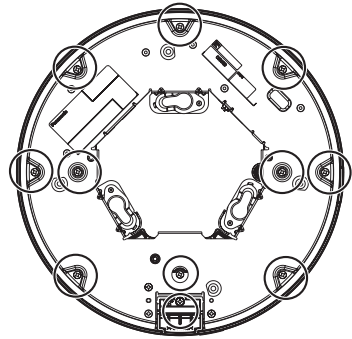
Refer to the Operating Instructions on the provided CD-ROM for further information about the port forwarding function.

Time & date setting

It is necessary to set the time & date before putting this product into operation. Refer to the Operating Instructions on the provided CD-ROM for descriptions of how to perform the settings.

Do not remove or loosen the screws on the rear of this product.

Ensure that the screws (11 pcs.) in the rear of the microphone are firmly secured. Failure to observe this may cause a malfunction or the product to fall, resulting in injury or accidents.



Influence on sound quality

Under the following conditions, sound quality may deteriorate.

- Depending on the installation environment, the microphone may be dirty due to dust in the air, and sound quality may deteriorate.

Cautions when installing

- The sound collecting performance of the microphone depends on the distance between the sound source and the microphone. As a guide, sound collection is viable up to about 6 m away from a sound source in an environment where the surrounding noise volume is 65 dB.
- Because the microphone collects 360° audio and calculates directionality, install on a flat surface away from obstacles such as pillars, shelves, and walls, or speakers and air conditioners installed on ceilings as much as possible.
- Because the microphone detects temperature and corrects directionality, temperature correction may not operate correctly when exposed to direct sunlight. Avoid installing the microphone in locations where it can be exposed to direct sunlight.

- When mounting on a wall, multiple people may overlap within the directional angle because the audio directionality is parallel with the floor. If this happens, sound separation may not perform properly.
- When mounting on a wall, situations where the person speaking is facing in the opposite direction of the microphone may occur more often than when mounted on a ceiling. If this happens, sound collection may be reduced and the target audio may become difficult to hear.

Troubleshooting

Before asking for repairs, check the symptoms with the following table.

Contact your dealer if a problem cannot be solved even after checking and trying the solution in the table or a problem is not described below.

Symptom	Cause/solution	Reference pages
Power is not turned on.	<p>When using DC power supply</p> <ul style="list-style-type: none">• Is 12 V DC power supply connected to the power supply terminal? → Check whether the connection is appropriately established.• Is the AC adaptor in use compliant with the Specifications? → Check the specifications regarding the AC adaptor. <p>When using a PoE device for the power supply</p> <ul style="list-style-type: none">• Are the PoE device and the network connector on the rear of the microphone connected using a LAN cable (4-pair)? → Check whether the connection is appropriately established.• Depending on the PoE device, the power supply will stop when the demanded power exceeds its total power limit for all PoE ports. → Refer to the operating instructions of the PoE device in use.	Installation Guide

Specifications

• Basic

Power source:	12 V DC $\pm 10\%$, PoE (IEEE802.3af compliant)
Power consumption:	12 V DC*: 200 mA/ 2.4 W PoE 48 V: 60 mA/ 2.9 W (Class 1 devices) * ONLY CONNECT 12 V DC CLASS 2 POWER SUPPLY (UL 1310/CSA 223) or LIMITED POWER SOURCE (IEC/EN/UL/CSA 60950-1).
Ambient operating temperature:	-10 °C to +50 °C {14 °F to 122 °F}
Ambient operating humidity:	Less than 90 % (no condensation)
Shock resistance:	Compliant with 20J (IEC60068-2-75)/IK10 (IEC 62262)
Mounting method:	Ceiling/ Wall
Dimensions:	$\varnothing 270$ mm x 55 mm (H) { $\varnothing 10$ -5/8 inches x 2-5/32 inches (H)}
Mass:	Approx. 2.3 kg {5.08 lbs}
Finish:	Net: SECC punching, sail white Cover: PC resin, sail white
Others:	Tamper-resistant enclosure (when center cover is attached)

• Microphone

Microphone element:	Electret condenser microphone (16-element)
Sensitivity:	-15 dBFS ± 3 dB (1 Pa, 1 kHz)
Maximum input:	100 dB SPLrms
S/N ratio:	66 dB or more
Dynamic range:	72 dB or more
Frequency band:	Approx. 300 Hz - 7 kHz
Noise suppression capacity:	Approx. 18 dB (suppression capacity of sound other than the sound collecting direction) ^{*1}
Directional angle:	Approx. 20° (1 kHz, half-width at half maximum) ^{*1}
Sound collecting distance:	Approx. 6 m {19.69 feet} (audible distance in an environment where the noise volume is about 65 dB SPL) The sound quality may deteriorate depending on obstacles surrounding the microphone and the direction in which the person speaking faces.

• Network

Network:	10BASE-T/100BASE-TX, RJ-45 connector
Audio compression method:	16-channel Panasonic codec, approx. 2 Mbps
Protocol:	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP

OS ^{*2} :	Microsoft Windows 8.1 Microsoft Windows 8 Microsoft Windows 7 Microsoft Windows Vista
Browser ^{*2} :	Windows Internet Explorer 11 (32-bit) Windows Internet Explorer 10 (32-bit) Windows Internet Explorer 9 (32-bit) Windows Internet Explorer 8 (32-bit) Windows Internet Explorer 7 (32-bit)
Maximum concurrent access number:	3 (Number of sessions that can connect to microphones at the same time) * Depends on network conditions. For example, when accessing the microphone using HTTPS, the number of sessions that can connect to the microphone at the same time is 2. Refer to “10.4 Access the microphone using the HTTPS protocol” in the Operating Instructions for further information.

*1 Depends on the conditions of the installation environment.

*2 For further information about PC system requirements and precautions for when using Microsoft Windows 8.1, Microsoft Windows 8, Microsoft Windows 7, Microsoft Windows Vista, or Windows Internet Explorer, click “Manual” - “Open” from the supplied CD-ROM and refer to “Notes on Windows® / Internet Explorer® versions”.

Standard accessories

Important Information (this document)	1 pc.
Installation Guide	1 set
Warranty card	1 set
CD-ROM*1	1 pc.
Code label*2	1 pc.

The following parts are used during installation procedures.

Attachment	1 pc.
Adapter	2 pcs.
Power cable plug	1 pc.
Installation template	1 pc.
Bit	1 pc.

*1 The CD-ROM contains the operating instructions and different kinds of tool software programs.

*2 This label may be required for network management. The network administrator shall retain the code label.

Optional accessories

Ceiling mount bracket	WV-Q105A
Ceiling pendant type mount bracket	WV-Q117A

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.



Cd

Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

For U.S. and Canada:

Panasonic System Communications Company of North America, Unit of Panasonic Corporation of North America

www.panasonic.com/business/
For customer support, call 1.800.528.6747
Two Riverfront Plaza, Newark, NJ 07102-5490

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga,
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(905)624-5010
www.panasonic.ca

For Europe and other countries:

Panasonic Corporation

<http://www.panasonic.com>

Panasonic Corporation
Osaka, Japan

Authorised Representative in EU:

Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

