

Important Information and Quick Guide

Model Name	Model No.
Wireless Video Intercom System	VL-SW274
Main Monitor Station	VL-MW274



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Thank you for purchasing a Panasonic product.

Please read this document before using the product and save it for future reference.
Carefully read the information found in the section titled "For your safety" in particular.

For further information about features and operations, visit our Web site and find the document:

<https://panasonic.net/cns/pcc/support/intercom/sw274>

Installation Guide is supplied separately.

This system is an auxiliary system; it is not designed to provide complete protection from property loss. Panasonic will not be held responsible in the event that property loss occurs while this system is in operation.

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1. Introduction

1.1 Model composition

Model composition	Main Monitor Station *1 (Main monitor*2)	Wireless monitor station (Sub monitor*2)	Door Station (Doorphone*2)
			
	VL-SW274	VL-MW274	VL-W617
VL-MW274	VL-MW274	-	-

*1 Can be configured to be used as an extension monitor.

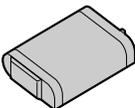
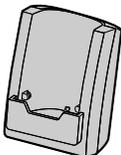
*2 Product names used in this document.

Caution:

- Before attempting to connect or operate this product, please read the label on the rear of the main monitor.

1.2 Accessory information (Supplied accessories)

For the sub monitor

Accessory item				
	AC adaptor	Battery	Charger	Charger stand
Quantity	1	1	1	1

Note:

- Accessories for installing the main monitor and the doorphone are described in the supplied Installation Guide.

1.3 General information

- In the event of problems, you should contact your equipment supplier in the first instance.
- The available products differ depending on your region. For more information, please consult your dealer.
- In this document, the suffix of each model number (e.g., the "BX" in "VL-SW274BX") is omitted unless necessary. When the suffixes are used to describe models (e.g., "BX models"), the suffixes refer to all models in the series.
- Design and specifications are subject to change without notice.
- The illustrations in the supplied document may vary slightly from the actual product.

House mode and Apartment mode

The main monitor can be configured to be used in two modes: House mode and Apartment mode.

- House mode refers to when the main monitor is used as a stand-alone system and is not connected to a larger system comprised of a VL-V900 lobby station. This document describes the operations for House mode.
- Apartment mode refers to when the main monitor is used connected to a larger system comprised of a VL-V900 lobby station, such as in apartment complexes. Operations for Apartment mode are described in 6. VL-V900 basic operations (Page 14) of this document.

For further information about features and operations, visit our Web site and find the document:

<https://panasonic.net/cns/pcc/support/intercom/v900>

Graphical symbols for use on equipment and their descriptions

1		2		3		4		5		6	
7		8		9		10		11		12	

1. Alternating current (A.C.) 2. Direct current (D.C.) 3. Protective earth 4. Protective bonding earth 5. Functional earth 6. For indoor use only 7. Class II equipment (equipment in which protection against electric shock relies on Double Insulation or Reinforced Insulation) 8. "ON" (power) 9. "OFF" (power) 10. Stand-by (power) 11. "ON"/"OFF" (power; push-push) 12. Caution, risk of electric shock

1.4 Symbols, expressions, and styles

The following symbols, expressions, and styles are used in this document.

Item	How it is expressed	Example
Text displayed on the product's display	Text is displayed in a special font, usually enclosed in quotation marks	"Initial settings"
Icons displayed on the product's display	Black-and-white illustration of icon is used	
Buttons with printing on them or near them	Button printing is displayed, usually wrapped in thick brackets	[TALK] [☰]
Soft keys	Black-and-white illustration of the corresponding soft key icon is used	
Navigator key (sub monitor only)	Either referred to by name, or with a black-and-white illustration	<ul style="list-style-type: none"> • "Use the navigator key to select..." • "Press to select..." • "Select..."
Procedures	Usually written in an abbreviated style. The verb may be omitted. Unless otherwise stated, all procedures are for both the main monitor, extension monitor, and sub monitor.	<p>Main monitor/extension monitor example</p> <p> → "Display" → → "Brightness"</p> <ul style="list-style-type: none"> • Meaning: Press the soft key under the displayed soft key icon, press the soft keys under the displayed and soft key icons to select "Display", press the soft key under the displayed soft key icon, and then press to select "Brightness". <p>Sub monitor example</p> <p>[MENU] → "BRIGHTNESS" → (OK) → select the desired setting.</p> <ul style="list-style-type: none"> • Meaning: Press the [MENU] button, use the navigator key to select "BRIGHTNESS" on the display, and then press the navigator key (OK).

2.1 For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.



WARNING

Preventing fire and electric shock

- Use only the power source marked on the product. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- Use only the specified AC adaptor.
- Do not attempt to disassemble or modify this product. Contact an authorised service centre for repairs.
- Never touch the AC adaptor and power plug with wet hands.
- Do not touch the AC adaptor and power plug during an electrical storm.
- Do not use the product (excluding the doorphone) in areas that are exposed to rain, moisture, steam, or oily smoke, or areas that have excessive dust.
- Do not perform any actions (such as fabricating, twisting, stretching, bundling, forcibly bending, damaging, altering, exposing to heat sources, or placing heavy objects on the power cable and the AC adaptor) that may damage the power cable and the AC adaptor. Using the product with a damaged power cable or AC adaptor may cause electric shock, short circuits, or fire. Contact an authorised service centre for repairs.
- Do not overload the power outlet or wiring above the specified levels. Overloading by having many connections on one power outlet may cause heat generation, resulting in a fire.
- Never put metal objects inside the product. Never spill any liquid on the product (excluding the doorphone).

If metal objects enter the product or the product becomes wet, unplug the product from the power outlet and contact an authorised service centre.

- Do not use a microwave oven or other devices, such as electromagnetic cookers, to speed up the drying process of any parts of the product.
- Completely insert the AC adaptor and power plug into the power outlets. Failure to do so may cause electric shock and/or excessive

heat resulting in a fire. Do not use damaged AC adaptor, power plug, or power outlets.

- Regularly remove any dust, etc., from the AC adaptor and power plug by unplugging them from the power outlets, then wiping them with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc., resulting in a fire.
- Unplug the product from the power outlet if the product emits smoke, an abnormal smell or makes unusual noise, or if the product has been dropped or physically damaged. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.
- Hold the main body (not the metal parts) of the AC adaptor and power plug when unplugging them. Unplugging the AC adaptor and power plug while holding their cords or cords' plugs may result in fire, electric shock, or injury.

Preventing accidents

- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.
- Do not install or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction, resulting in an accident.
- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The product operates in the frequency range of 2.4 GHz and 2.48 GHz with a peak transmission power of 100 mW (max.).)



CAUTION

Preventing accidents, injuries, and property damage

- Do not use the product in unstable areas or areas prone to strong vibrations. This may cause the product to fall, resulting in damage to the product or injury.
- Do not put your ear(s) near the speaker, as loud sounds emitted from the speaker may cause hearing impairment.

Sub monitor batteries

Preventing leakage, heat generation, rupture, or accidents

- Use only the battery(ies) specified.
- Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.
- Charge the batteries provided or identified for use with the product only, in accordance with the instructions and limitations specified in this document.
- Do not heat batteries or dispose of batteries in a fire.
- Do not touch the ends of batteries (⊕, ⊖) with metal objects.
- Handle the batteries with care. Do not allow conductive materials such as rings, bracelets or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Only use the specified charger and AC adaptor to charge the batteries. Failure to follow these instructions may cause the batteries to swell or explode.

2.2 Important safety instructions

When using this product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Do not use this product near water. For example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
2. Use only the power cable, AC adaptor, and batteries indicated in this document.

Do not dispose of the battery(ies) in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

2.3 For best performance

Location/avoiding noise (main monitor/sub monitor)

The main monitor, sub monitor, and other compatible Panasonic units use radio waves to communicate with each other. (The product operates in the frequency range of 2.4 GHz and 2.48 GHz with a peak transmission power of 100 mW (max.).)

- For maximum coverage (approx. 100 m) and noise-free communications, install your main monitor:
 - at a convenient, high, and central location with no obstructions between the sub monitor and main monitor in an indoor environment.
 - away from electronic appliances such as TVs, radios, personal computers, wireless devices, or digital cordless phones.
 - facing away from radio frequency transmitters, such as external antennas of mobile phone stations. (Avoid installing the main monitor near a window.)
- If you use the sub monitor near a microwave oven which is being used, noise may be heard. Move away from the microwave oven and closer to the main monitor.
- Coverage and voice quality depends on the local environmental conditions.

Environment (main monitor/sub monitor)

- Keep the unit (main monitor/extension monitor and sub monitor) away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should not be exposed to direct sunlight.
- The unit should be kept away from heat sources such as radiators, cookers, etc. It should not be placed in rooms where the temperature is less than 0 °C or greater than 40 °C. Damp basements should also be avoided.
- Do not install the product in locations that are suspect to sudden changes in temperature. Failure to do so may cause condensation to form on the product causing malfunction.
- Even when the main monitor and sub monitor are used within 100 m of each other, obstructions can cause weak signals, noise, interrupted transmissions, distorted images and slow image refresh rates. Obstructions can include:
 - Metal doors or metal shutters.
 - Heat insulation including aluminium foil.
 - Concrete walls or walls made of galvanized iron sheet.
 - If the sub monitor is being used in a different building, or a different part of the house, i.e. a different floor to the where the main monitor has been installed.
 - Many walls.
 - Double insulated glass windows.
- Some types of hearing aids may receive noise from wireless communications between the main monitor, sub monitor, and other compatible Panasonic units.
- Operating the unit near electrical appliances may cause interference. Move away from the electrical appliances.
- In areas surrounded by a high electrical field, disturbances may occur in the unit's image or sound.

2. Important information

2.4 Other important information

- The AC adaptor is used as the main disconnect device. Ensure that the power outlet is installed near the product and is easily accessible.

Caution:

- **Risk of explosion if battery is replaced by incorrect types. Dispose of used batteries according to the instructions.**

Tapping

This product uses digital wireless technology so that a call is rarely intercepted. However, calls may be tapped by a third party because the product also communicates using radio waves.

- "Tapping" means that the other party intercepts a radio message intentionally or accidentally by using a receiver.

Privacy and rights of portrait

When installing or using the doorphone, please take into consideration the rights of others with regard to privacy.

- It is generally said that "privacy" means the ability of an individual or group to stop information about themselves from becoming known to people other than those whom they choose to give the information. "Rights of portrait" means the right to be safe from having your own image taken and used indiscriminately without consent.

Personal information

The main monitor's/extension monitor's internal memory records personal information (image recordings of visitors, etc.). Panasonic assumes no liability for any unforeseen damages arising from the exposure of the recorded information.

Disclaimer

Recorded data may be altered or deleted as a result of incorrect operations, exposure to static electricity, accidents, malfunction, repairs or other operations. Panasonic assumes no liability for any direct or indirect damages resulting from the loss or alteration of recorded images.

Requesting repairs for the product

- Before submitting the main monitor/extension monitor and sub monitor for repair, initialize them. This will delete all information saved in the main monitor/extension monitor and sub monitor.*1
- Even if the product is sent for repairs without being initialized, the memory (including recorded data and settings) for the main monitor/extension monitor or sub monitor may be cleared and set to factory default after repair.
- If operations cannot be performed due to the main monitor/extension monitor or sub monitor malfunction, consult with the place of purchase for appropriate action.

Note for product disposal, transfer, or return

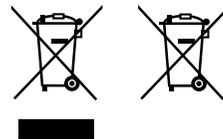
- This product can store your private/confidential information.

To protect your privacy/confidentiality, we recommend that you erase the information (recorded images) from the memory before you dispose of, transfer or return the product.

All the recorded images can be erased at once by initializing the main monitor/extension monitor.*1

- *1 Main monitor/extension monitor: perform "Factory Setting" in "Initialize settings".

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.

Others

- It is prohibited to disassemble or modify this product. Contact the dealer where you purchased this product for repair.
- When power fails, this product cannot be used.
- For the recorded image:
The recorded image may be lost when:
 - Mishandled
 - Electric shock or radio wave interference occurs.
 - The power is turned off during use.
- Panasonic may not be liable for damages due to external factors such as power failures.
- If you stop using the main monitor/extension monitor and the doorphone, remove the main monitor/extension monitor and the doorphone from the walls to prevent them from falling off. (Consult your dealer for information about removing the product.)

2.5 For India only

Declaration of Conformity with the requirements of the E-Waste (Management) Rules

The Product is in conformity with the requirements of the reduction of hazardous substances of the E-Waste Rules.

The content of hazardous substance with the exemption of the applications listed in SCHEDULE II of the E-Waste Rules:

1. Lead (Pb) – not over 0.1% by weight;
2. Cadmium (Cd) – not over 0.01% by weight;
3. Mercury (Hg) – not over 0.1% by weight;

4. Hexavalent chromium (Cr6+) – not over 0.1% by weight;
5. Polybrominated biphenyls (PBBs) – not over 0.1% by weight;
6. Polybrominated diphenyl ethers (PBDEs) – not over 0.1% by weight.

Disposal information



For the purpose of recycling to facilitate effective utilization of resources, please return this product to a nearby authorized collection centre, registered dismantler or recycler, or Panasonic service centre when disposing of this product.

Please see the Panasonic website for further information on collection centres, etc., or call the toll-free number below.

Website:

<http://www.panasonic.com/in/corporate/sustainability/panasonic-india-i-recycle-program.html>

Service helpline: 1800 103 1333 or 1800 108 1333

2.6 Cleaning

Wipe the product with a soft, dry cloth.

For excessive dirt, wipe the product with a moist cloth.

Important:

- **Do not use any cleaning products that contain alcohol, polish powder, powder soap, benzine, thinner, wax, petroleum, or boiling water. Also do not spray the product with insecticide, glass cleaner, or hair spray. This may cause a change in colour or quality of the product.**

Cleaning the charger:

For safety, disconnect the charger from the power supply before cleaning.

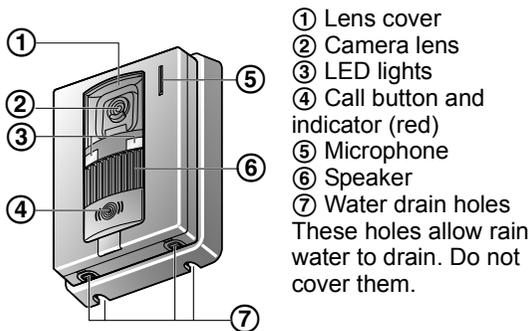
Cleaning the sub monitor:

To avoid mistakenly operating the sub monitor, remove its batteries before cleaning.

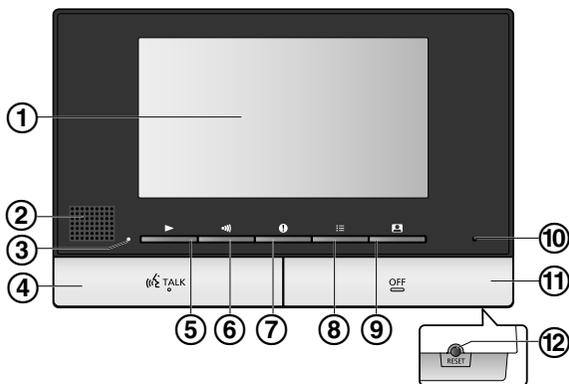
3. Preparation

3.1 Controls

3.1.1 Doorphone



3.1.2 Main monitor/extension monitor



① Display (page 9)

② Speaker

③ Play lamp (blue)

④ TALK button ([TALK])

⑤ Play button ([▶])

⑥ Page button ([⏪])

Press to page sub monitors or extension monitors when the main monitor is idle or transfer calls.

⑦ Information button ([!])

⑧ Menu button ([≡])

⑨ Monitor button ([MON])

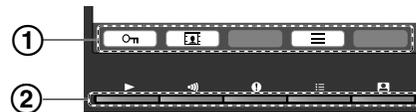
⑩ Microphone

⑪ OFF button ([OFF])

⑫ RESET button

If the main monitor cannot be correctly operated, press the **[RESET]** button with a pointed object to reset the main monitor. (Recorded images and configured settings are not affected.)

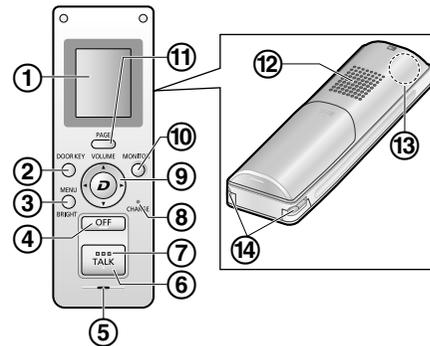
Soft keys



① Soft key icons, ② Soft keys

Icons indicate the functions that can be operated by the soft keys.

3.1.3 Sub monitor



① Display (page 9)

② **[DOOR KEY]** button

- Allows you to open the door when connecting the Electric lock (sold separately) to the main monitor.

③ **[MENU/BRIGHT]** button

- Press to change the function settings.
- Press to adjust the brightness of displayed images.

④ OFF button ([OFF])

⑤ Microphone

⑥ TALK button ([TALK])

⑦ TALK indicator

⑧ CHARGE indicator (page 9)

⑨ Navigator key

(It is also used for operating the features shown on the display)



- Adjusts the volume.



- Press to scroll the displayed image slightly to the right or left.



- Records an image.

⑩ Monitor button ([MONITOR])

⑪ PAGE button ([PAGE])

⑫ Speaker

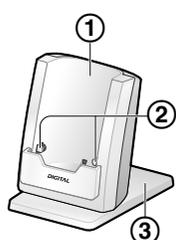
13 **Antenna** (built-in)

Do not cover the antenna with your hand when using the sub monitor. (Radio waves may weaken.)

14 **Charge contacts** (Metallic parts)

■ **Charger**

- To assemble the charger stand, see page 10.

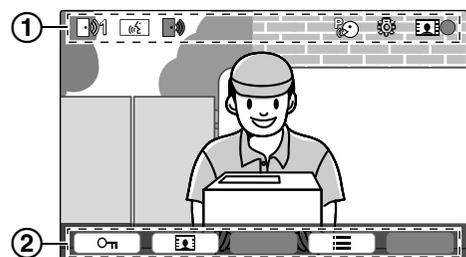


- ① **Charger**
- ② **Charge contacts** (Metallic parts)
- ③ **Charger stand**

3.2 Using the display

3.2.1 Main monitor - display information

Image viewing screen



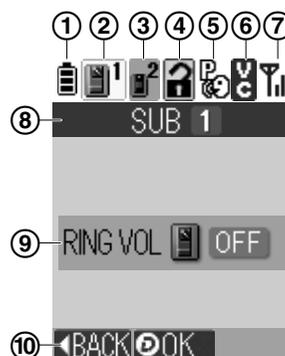
- ① Status icons (page 9)
- ② Soft key icons (page 8)

Status icons (main monitor)

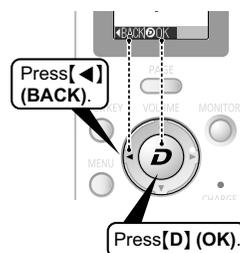
- Indicates which doorphone is calling, monitoring, or on a call. ("1" indicates the device number.)
- Indicates there is a call from the doorphone when monitoring or on a call with another device.
- Indicates that the main monitor is on a call.
- Indicates that a doorphone and a PBX extension are talking.
- Indicates that the main monitor is monitoring.
- Indicates that images are being recorded.
- Indicates that the doorphone's LED lights are on.
- Indicates that "Press-to-talk" mode is on.

3.2.2 Sub monitor - monitor display

Image viewing screen



- ① Battery level
- ② Indicates which doorphone calling, monitoring, or in a call. Also indicates which doorphone took the image while viewing it.
- ③ Indicates which doorphone is calling while talking or monitoring.
- ④ Indicates that the door is opened when the Electric lock (sold separately) is connected to the main monitor.
- ⑤ Indicates that the "Press-to-talk" mode is on.
- ⑥ Indicates the voice changer mode is on.
- ⑦ Indicates the level of the reception.
- ⑧ Indicates the registration number of the sub monitor.
- ⑨ Indicates that the ringer volume for the doorphone is set to "OFF".
- ⑩ Indicates the operation of the navigation key. (The display varies depending on the operation.)
Example: Menu setting



3.3 Charging the sub monitor

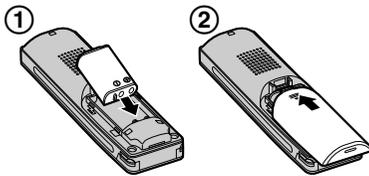
Only connect the charger with the supplied Panasonic AC adaptor (page 2).

- 1 Insert the battery.
 - ① Remove the battery cover, align the terminals and insert.

3. Preparation

② Close the battery cover.

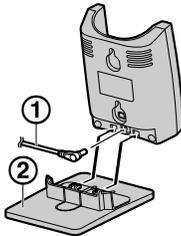
- The battery level is displayed as .



2 Assemble the charger stand.

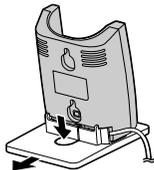
■ To assemble the charger stand

- ① Plug the connector of the AC adaptor into the jack on the charger.
 - You can pull out the AC adaptor cord to the left or right side.
- ② Attach the charger stand.

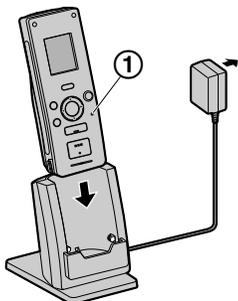


■ To remove the charger stand

Pressing the tab, pull the charger stand to detach.



3 Plug the AC adaptor into the power outlet, place the sub monitor on the charger, and charge the battery.



While charging: The CHARGE indicator (①) lights up.

When charging is complete: The CHARGE indicator (①) turns off.

- At the first time of charging or after battery replacement, it takes about 7 hours to complete charging.
- If you use the sub monitor while charging, the charging time becomes longer.
- Locate the charger where "OUT OF RANGE" is not displayed on the sub monitor.
(The charging time becomes longer where the sub monitor is out of range of the main monitor.)
- Even after the sub monitor is fully charged, the sub monitor can be left on the charger without any ill effect on the batteries.

Important:

- Use only the included AC adaptor.
 - When the sub monitor is off the charger or the AC adaptor is disconnected for 1 week or more, remove the battery in order to maintain the battery performance and prevent the battery from discharging.
- Recharge the battery before using the sub monitor again.

3.4 Setting the language, date and time

- The play lamp lights if these settings are not configured.
- 1 Press the  button to turn on the display.
 - 2 Press  or  to select the desired language.
 - 3 Press .
 - 4 Press  again.
 - 5 Set the date and time.
 - Press  to select an item (i.e., year, month, day, etc.).
 - Press  or  to change the setting.
 - 6 When finished, press .

Note:

- The date and time settings may be deleted when there is a power outage. In this case, reconfigure the settings.
- The time may become out of sync over time (about 60 seconds per month).

4.1 Answering doorphone calls

When you receive a call from a doorphone, the main monitor, extension monitor, and sub monitor ring, and display an image from the doorphone.

To answer the call

Press **[TALK]**.

- Speak within about 50 cm of the microphone.
- Speak alternatively with the visitor. If you and the visitor speak at the same time, you will not hear each other.
- You can talk for up to about 90 seconds.

To end the call

Press **[OFF]**.

4.2 Talking with other devices

You can make intercom calls between the main monitor, sub monitor, and extension monitor.

To make a call

1. Press **[PAGING]**. (**[PAGE]** for the sub monitor.)
2. If there are multiple devices, select the device to page → **[OK]**. (**[PAGING]** (OK) for the sub monitor.)
 - To page all devices, select “**Call all together**” → **[OK]**. (“**ALL**” → **[PAGING]** (OK) for the sub monitor.)
3. Page the other party.
4. Talk with the paged party when they answer the call.
5. When finished, press **[OFF]**.

To receive a call

1. When the intercom call is received, press **[TALK]** to talk to the paging party.
2. When finished, press **[OFF]**.

4.3 Monitoring the outside with the doorphone

You can monitor the sounds and images from the doorphone using the main monitor, extension monitor, and sub monitor.

- 1 Press **[MONITOR]**. (**[MONITOR]** for the sub monitor.)
 - If there are multiple doorphones, select the desired doorphone → **[OK]**. (**[MONITOR]** (OK) for the sub monitor.)
 - The images from the doorphone are displayed.
- 2 Monitor the sound and image.
 - You can talk to the monitored party by pressing **[TALK]**.
- 3 When finished, press **[OFF]**.

4.4 Recording automatically (recording a received call; main monitor and extension monitor only)

The main monitor and extension monitor can record doorphone images (still images). They can save images from up to 50 doorphone calls or monitoring sessions. Each time new images are recorded, they are saved in an image set of up to 8 images.

When a visitor calls you, the main monitor and extension monitor record 8 images automatically (whether you answer the call or not). Recording starts about 2 seconds after you receive the call.

When you do not answer a call

The recorded images are saved as unplayed images, and the play lamp lights.

When there are multiple doorphones

- When you are talking or monitoring and there is an incoming call from another doorphone, images from the incoming call will not be displayed and recorded. In order to display and record incoming calls, you must end the current call or stop monitoring.
- If there is an incoming call from another doorphone, while receiving an incoming call, the number of recorded images from the 1st caller (8 images) are reduced.

When the memory is full (auto image updating)

When the memory is full, new images overwrite the oldest images automatically. This occurs even if the oldest images are unplayed images.

4.5 Recording manually (recording while monitoring)

The main monitor, extension monitor, and sub monitor can manually record 8 images while monitoring.

- **Main monitor/extension monitor:**
While monitoring, press **[RECORD]**.
- **Sub monitor:**
While monitoring, press **[REC]**.

4.6 Playing recorded images (main monitor and extension monitor only)

When there are new (i.e., unplayed) images recorded, the play lamp (page 8) lights.

- 1 Press **[PLAY]**.
 - “**Recorded image list**” screen is displayed.

4. Basic operations

2 Select “**Unplayed images**” (for new images) or “**Played images**” (for images that have been played) → .

- The most recent image set of the selected type is displayed.

3 Browse the image sets and images.

- The following operations are available.

- | | |
|-----------------------------------|---|
| <input type="button" value="▶"/> | Plays back all images in an image set continuously |
| <input type="button" value="◀◀"/> | Browses image sets, from older ones to newer ones |
| <input type="button" value="▶▶"/> | Browses image sets, from newer ones to older ones |
| <input type="button" value="☰"/> | Displays the options menu |
| <input type="button" value="↶"/> | Returns to the previous screen |
| <input type="button" value="⏸"/> | Pauses continuous playback |
| <input type="button" value="◀⏸"/> | Plays the previous image in an image set when continuous play is paused |
| <input type="button" value="⏸▶"/> | Plays the next image in an image set when continuous play is paused |

4 When finished, press **[OFF]**.

4.7 Using electric locks

When a commercially available electric lock is connected to the main monitor, you can unlock a door using the main monitor, extension monitor, or sub monitor.

- For detailed information about connections, see the operating instructions included with the electric lock and the Installation Guide of this product.
-

4.7.1 Configuring electric locks

- 1 Press **[☰]**.
 - 2 Select “**Connected devices**” → .
 - 3 Select “**Electric lock**” → .
 - 4 Select the doorphone (“**Doorphone 1**” or “**Doorphone 2**”) that you want to assign the electric lock to → .
 - 5 Select the unlocking time → .
 - 6 When finished, press **[OFF]**.
-

4.7.2 Unlocking electric locks

Main monitor/extension monitor:

1. Press while talking or monitoring.

Sub monitor:

1. Press **[DOOR KEY]** while talking or monitoring.
 - When the door is opened,  is displayed.

5.1 Function settings

You can change the settings, such as Initial settings, Ringtone settings, and Connected devices settings, to match how your product is used. You can also view information on how to access the Operating Instructions.

- 1 Press **[☰]**. (**[MENU]** for the sub monitor.)
- 2 Select the desired item → **[OK]**.
 - Repeat this step as necessary to navigate to the desired setting.
- 3 Select the desired setting → **[OK]**.
- 4 Press **[OFF]**.

5.2 Registering devices

5.2.1 Registering sub monitors (main monitor and sub monitors only)

- 1 **Main monitor:**
Press **[☰]** → select “Register/Cancel” → **[OK]**.
- 2 Select “Register” → **[OK]**.
 - When you are prompted to register your main monitor, select “Main monitor” → **[OK]**.
- 3 Select “Sub monitor” → **[OK]**.
- 4 Select the registration number of the sub monitor to be registered → **[OK]**.
 - Complete the following operations within about 2 minutes.
- 5 **Sub monitor:**
 - To register a sub monitor for the first time:
Press **[MENU]** → **[D]** (OK).
 - To re-register a sub monitor:
Press **[MENU]** → select “REGISTRATION” → **[D]** (OK) → **[D]** (OK).
- 6 **Main monitor:**
Press **[OFF]**.

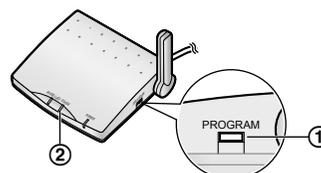
5.2.2 Registering extension monitors

- 1 **Main monitor:**
Press **[☰]** → select “Register/Cancel” → **[OK]**.
- 2 Select “Register” → **[OK]**.
 - When you are prompted to register your main monitor, select “Main monitor” → **[OK]**.
- 3 Select “Extension monitor” → **[OK]**.

- 4 Select the registration number of the extension monitor to be registered → **[OK]**.
- 5 **Extension monitor:**
Press **[☰]** → select “Register/Cancel” → **[OK]**.
- 6 Select “Register” → **[OK]**.
 - When you are prompted to register your extension monitor, select “Extension monitor” → **[OK]** → **[Yes]**.
- 7 Select the registration number of the extension monitor to be registered → **[OK]**.
 - Make sure to select the same registration number that was selected on the main monitor.
 - Registration is complete when the extension monitor restarts.
- 8 **Main monitor:**
Press **[OFF]**.

5.2.3 Registering repeaters

- 1 **Main monitor:**
[☰] → select “Register/Cancel” → **[OK]**.
- 2 Select “Register” → **[OK]**.
 - If you are prompted to register your main monitor, select “Main monitor” → **[OK]**.
- 3 Select “Repeater” → **[OK]**.
- 4 Select the number of the repeater to be registered → **[OK]**.
 - Complete the following operations within about 2 minutes.
- 5 **Repeater:**
While the power is on, press and hold **[PROGRAM]** (①) for about 3 seconds.
 - The STATUS indicator (②) flashes in green.
 - After completing the registration, the indicator lights up solid.



- 6 **Main monitor:**
Press **[OFF]**.

Note:

- If you register two repeaters, please separate them more than 3 meters to avoid electrical noise.
- When using devices in separate buildings or over long distances, cut outs and image distortions may not be improved even if a repeater is used.

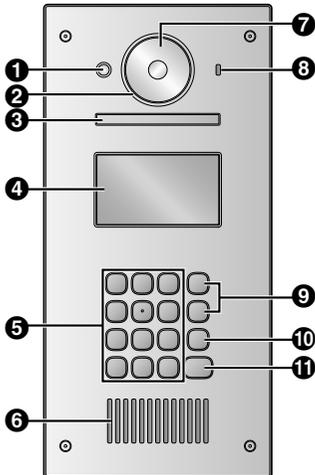
6. VL-V900 basic operations

This section explains the basic operations of the VL-V900 lobby station (Video Intercom System for Apartment Complexes) when used with the VL-MW274 main monitor.

<https://panasonic.net/cns/pcc/support/intercom/v900>

6.1 Controls

6.1.1 Lobby station



- 1 Heat sensor**
Turns on the display when a visitor is detected.
- 2 Lens cover**
- 3 Light**
Illuminates subjects in dark environments.
- 4 Display**
- 5 Keypad**
- 6 Speaker**
- 7 Camera lens**
- 8 Microphone**
- 9 Search buttons (▲ and ▼)**
Used to select items shown on the display.
- 10 Cancel button (X)**
- 11 Call button (△)**

6.2 Lobby station operations

6.2.1 Calling a resident

Entering a room number

1. Enter the resident's room number.
2. Press [△] to call.

Searching by first letter of the name

1. Press [✱].
2. Use the keypad to enter the first letter of the resident's name.
 - Press a key repeatedly to scroll through the letters assigned to that key.
 - Note the hints displayed at the bottom of the screen.
3. Press [▲] or [▼] to search for the desired name.
4. Press [△] to call.

Searching through all names

1. Press [▼].
2. Press [▲] or [▼] to search for the desired name.
3. Press [△] to call.

Switching the image displayed on the main monitor

While talking to the main monitor, press [#] to switch the image displayed on the main monitor from the lobby station to the camera. To return to the lobby image, press [✱].

6.2.2 Calling a receptionist

1. Press [▼].
2. Press [▲] or [▼] to search for the receptionist.
3. Press [△] to call.

6.2.3 Opening the door by entering an unlock code

1. Press [#].
2. Enter the 4-digit unlock code.
3. Press [△].

6.3 Main monitor operations with the lobby station

6.3.1 Image viewing screen of the main monitor

Image from lobby station	Image from camera	Status icons
		<p data-bbox="773 318 1267 382"> Indicates which lobby station is calling, monitoring, or talking. ("1" indicates the device number.) </p> <p data-bbox="773 396 1267 459"> Indicates which camera is monitoring. ("1" indicates the device number.) </p> <p data-bbox="773 473 1267 537"> Indicates that the main monitor is talking. </p> <p data-bbox="773 550 1267 600"> Indicates that the main monitor is monitoring. </p>

6.3.2 Monitoring the outside with the lobby station or camera

- 1 Press **[]**.
 - If there are multiple devices, select the desired device → **[OK]**.
 - If a camera is connected to the lobby station, you can alternate monitoring between the lobby station and camera by pressing **[]Camera** or **[]Lobby**.
- 2 When finished, press **[OFF]**.

Note:

- Depending on the composition of the system, monitoring may not be available.

6.3.3 Opening entrance doors

While talking to a visitor or monitoring with a lobby station or camera, press **[]**.

6.3.4 Calling extension telephones

- 1 Press **[TALK]**.
- 2 Select the desired extension telephone.
 - Up to 4 extension telephones may be displayed.
- 3 Press **[OK]** → **[Yes]**.
- 4 When finished, press **[OFF]**.

6.4 System conditions and limitations

Please note the following system conditions and limitations.

- Only one call or monitoring session can be handled at a time.
Subsequent calls will disconnect the current call (if the current call has lower priority), or will not be connected (if the current call has higher priority).
Low priority: Monitoring
Medium priority: General calls (lobby station to main monitor, main monitor to PBX extension, etc.)
High priority: Emergency calls
- All calls and monitoring sessions are disconnected after the pre-programmed "timeout" time elapses.
- In order to perform the above operations, optional devices and configuration for those devices are required. Contact your building manager for more information.

7.1 Specifications

Main monitor (VL-MW274)

Power source	220-240 V AC, 50/60 Hz
Power consumption	Standby: 1.9 W During operation: 10 W
Dimensions (mm) (height × width × depth)	Approx. 158×243×29.5 (excluding protruding sections)
Mass (weight)	<ul style="list-style-type: none"> VL-MW274BX: approx. 825 g VL-MW274SX: approx. 850 g
Operating environment	Ambient temperature: approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	Approx. 17.8 cm (7.0 inches wide colour display)
Talking method	Hands-free
Installation method	Wall mount (mounting bracket supplied)
Frequency range	2.4 GHz to 2.48 GHz
RF transmission power	100 mW (max.)

Doorphone (VL-V522L)

Power source	Power supplied by the main monitor
Dimensions (mm) (height × width × depth)	Approx. 131×99×36.5 (excluding protruding sections)
Mass (weight)	Approx. 200 g
Operating environment	Ambient temperature: approx. -15 °C to +55 °C Relative humidity (non-condensing): up to 90 %
Viewing angle	Horizontally: approx. 87° Vertically: approx. 66°
Installation method	Wall mount (mounting base supplied)
Minimum illuminance required	1 lx (within approx. 50 cm from the camera lens)
Lighting method	LED lights

Sub monitor (VL-W617)

■ Main body

Power source	Ni-MH battery (3.6 V DC / 650 mAh)
Dimensions (mm) (height × width × depth)	Approx. 157×52×35 (excluding protruding sections)
Mass (weight)	Approx. 175 g (including the batteries)
Operating environment	Ambient temperature: approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %
Display	Approx. 4.6 cm (1.8 inches, colour display)
Frequency range	2.4 GHz – 2.48 GHz
RF transmission power	100 mW (max.)

*1 When used fully charged in an operating temperature of 20 °C.

*2 When the operating temperature is 20 °C. The charging time may increase when the operating temperature is lower than this.

■ Charger

Power source	AC adaptor (PQLV219) 6.5 V DC, 0.5 A
Power consumption	Standby: 0.07 W (when the sub monitor is not placed in the charger) During charging: 1.8 W
Dimensions (mm) (height × width × depth)	Approx. 115×76×90 (using with the stand) (excluding protruding sections) Approx. 105×76×48 (using without the stand) (excluding protruding sections)
Mass (weight)	Approx. 115 g (including the stand) Approx. 180 g (including the AC adaptor)
Operating environment	Ambient temperature: approx. 0 °C to +40 °C Relative humidity (non-condensing): up to 90 %

7.2 Trademarks and registered trademarks

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- All other trademarks identified herein are the property of their respective owners.