

Operating Instructions

Model Name	Video Intercom System	Main Monitor
Model No.	VL-SV30BX 〔 Including: VL-MV30BX VL-V566BX 〕	VL-MV30BX



VL-MV30BX



VL-V566BX

Thank you for purchasing a Panasonic product.

Please read these Operating Instructions before using the unit and save for future reference.

Attached Installation Guide

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SV30BX

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Product names used in these Operating Instructions

These Operating Instructions are for both the VL-SV30BX and VL-MV30BX.
For plain explanation, the product names used in these Operating Instructions are described as follows.

Model composition	VL-SV30BX	●	●
	VL-MV30BX	●	-----
Product figure		VL-MV30BX	
Description in these Operating Instructions (Product name)	Main monitor station (Main monitor)		Door station (Door station)

Accessory information

Accessories for installing the main monitor station and the door station are described in the Installation Guide included.

Additional/replacement accessories

As of November, 2010.

Accessory items	Order number
Door station	VL-V566BX (same as the door station included with VL-SV30BX)
	VL-GC005BX Due for release in February 2011. (The release date may be changed without notice.)
	
Lobby station (for apartment complexes)	VL-V590BX Due for release in April 2011. (The release date may be changed without notice.) Only available for certain countries. Please contact the dealer where you purchased VL-SV30BX or VL-MV30BX.

■ When using with a lobby station

- Connection:
Connect the lobby station to terminal D1/D2 on the rear of the main monitor station. (Refer to the Installation Guide for details.) The lobby station connected to terminal D1/D2 works as door station 1.
- Operation:
You cannot monitor outside where the lobby station is located (page 13). For all other operations, however, the lobby station operates the same as the door station (VL-V566BX or VL-GC005BX).

Compatible Panasonic PBXs

This unit can be used with Panasonic PBXs (page 25). Please consult your dealer for compatible PBX information.

This unit is compatible with the following Panasonic PBXs*1:

KX-TDA30BX/KX-TDA100BX/KX-TDA200BX/KX-TDA600BX
KX-TDE100BX/KX-TDE200BX/KX-TDE600BX
KX-NCP500BX/KX-NCP1000BX

*1 As of November, 2010.

Important Information

For your safety

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

WARNING

Power connection

- Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
- Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
- Completely insert the power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug this unit from power outlets if it emits smoke, an abnormal smell or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorized service center.
- Never touch the plug with wet hands. Danger of electric shock exists.

Installation

- To prevent the risk of fire or electrical shock, do not expose the product (excluding the door station) to rain or any type of moisture.
- Do not allow the power cord to be excessively pulled, bent or placed under heavy objects.

Operating safeguards

- To reduce the risk of electric shock, do not disassemble this unit. Refer servicing to an authorized service center when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
- Do not touch the main monitor station and the power plug during an electrical storm. There may be a remote risk of electric shock from lightning.
- Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
- Unplug this unit from power outlets and refer servicing to an authorized service center when the following conditions occur:
 - A. If the power cord is damaged or frayed.
 - B. If metal objects have been dropped inside the main monitor station.
 - C. If the main monitor station has been exposed to rain or water, or liquid has been spilled into the unit. Do not use a microwave oven to speed up the drying process of any parts of the unit to avoid permanent damage.
 - D. If the unit has been dropped or physically damaged.

CAUTION

Installation and relocation

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

Operating safeguards

- Do not put your ear(s) near the speaker, as loud sounds emitted from the speaker may cause hearing impairment.

Important safety instructions

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

1. Do not use this unit near water. For example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
2. Use only the power cord indicated in this manual.

SAVE THESE INSTRUCTIONS

For best performance

Before using

- When power fails, this unit 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. (We might not be held responsible for the damage.)

Environment

- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept away from excessive smoke, dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- When you leave the unit unused for a long period of time, unplug it from the power outlet.
- The unit should be kept away from heat sources such as heaters, kitchen stoves, 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.

Other information

Privacy and rights of portrait

When installing or using the door station, 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.

Others

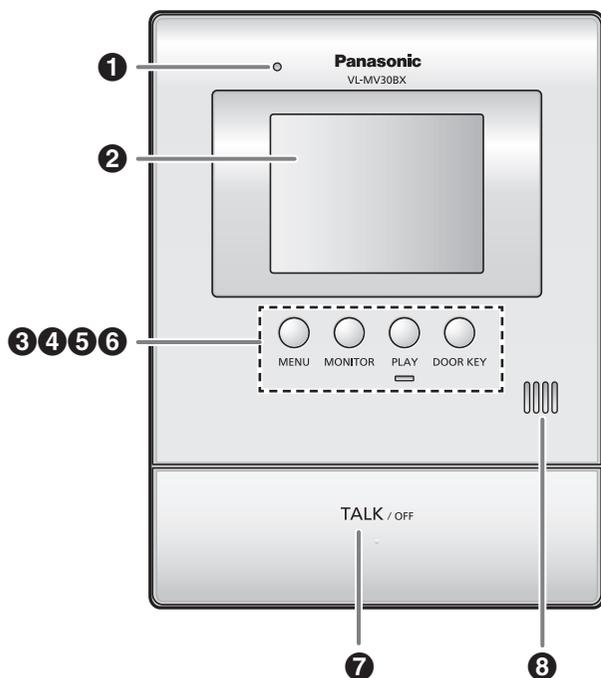
- Panasonic assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with both the Installation Guide and Operating Instructions.
- If you stop using the main monitor station and the door station, remove the main monitor station and the door station from the walls to prevent them from falling off.

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 station. Set “INIT + DEL ALL PICTURES” in “INITIALIZE SETTINGS” (page 23).

Location of controls

Main monitor station



1 Microphone

- Do not cover when you talk.

2 Monitor display (page 7)

3 [MENU] button

- Press to change the function settings (page 21).

4 [MONITOR] button

- Press to monitor the sound and image taken by the door station (page 13).

5 [PLAY] button and indicator (▶)

- Views the recorded image (page 16).
- The indicator flashes when there are unviewed images that are newly recorded.

6 [DOOR KEY] button

- Allows you to open the door when connecting the door opener (sold separately) to the main monitor station (page 11).

7 [TALK/OFF] button

- Press to answer a call and/or speak to a visitor (page 10).
- Press to end an operation.

8 Speaker

3 4 5 6 buttons are also used for operating the features shown on the display (page 7).

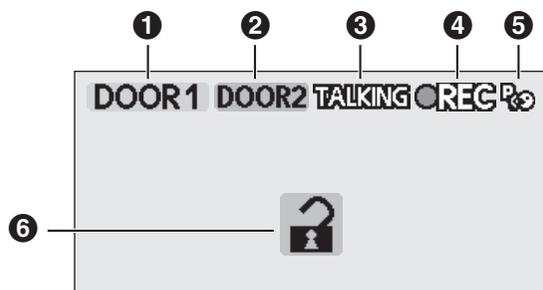
Note:

- For information about the rear view, refer to the wiring schematic diagram section in the Installation Guide.

Monitor display

The following display is an example for description purposes, and it may differ from the actual display.

- The monitor display is turned off during standby.



- 1 Indicates which door station is calling, monitoring, or in a call. Also indicates which door station took the image while viewing it.

(Example)

DOOR1: Door station 1

- 2 Indicates which door station is calling while talking or monitoring (page 12).

(Example)

DOOR2: Door station 2

- 3 **TALKING**: Indicates that the main monitor station is in a call (page 10).

MONITOR: Indicates that the main monitor station is monitoring outside (page 13).

PBX: Indicates that one of the PBX extensions connected to the main monitor station is being used for a call from the door station.

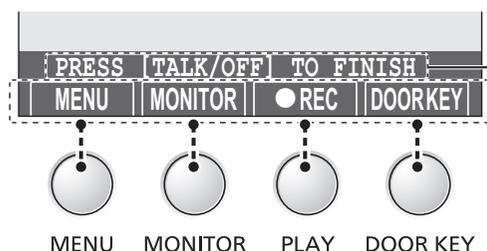
- 4 Indicates an image is being taken by the door station.

- 5 Indicates that the “Press-to-talk” mode is on (page 11).

- 6 Indicates that the door is opened when the door opener (sold separately) is connected to the main monitor station (page 11).

■ Operation guidance and button guidance

(Example)



Operation guidance

The example means that pressing the **[TALK/OFF]** button ends the call.

- If you set “OPERATION GUIDE SETTINGS” to “OFF”, you can always hide the operation guidance (page 23).

Button guidance

Press the button for the function directly above it.

Example: To operate “**●REC**”, press **[PLAY]**.

In these Operating Instructions, the button and function displayed above are indicated as follows.

Press **[PLAY] (●REC)**.

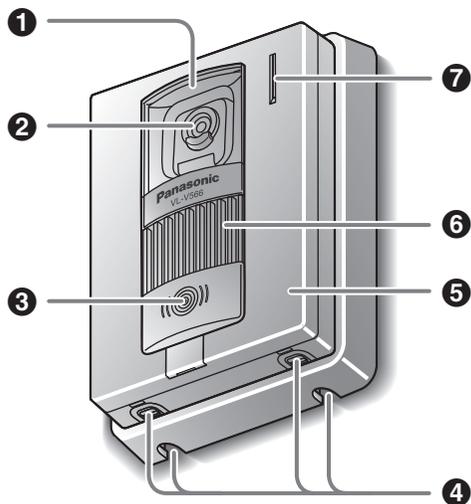
The displayed function is not stated when the corresponding button name means the same as the displayed function.

- The above display is an example for description purposes, and it may differ from the actual display.
- The display varies depending on the operation.

To hide the guidance that overlaps the image:

When the display shows images (for example, during a call and while monitoring), you can temporarily hide the guidance to easily view the whole image. (See “Hiding the guidance” on page 11.)

Door station



1 Lens cover

2 Camera

- When a visitor presses the call button, the camera on the door station will turn on and an image of the visitor will be shown on the monitor display of the main monitor station.

3 [CALL] button and indicator

- The indicator is lighted with a red LED while the power is on.
- When a visitor presses the call button, a ringer tone will ring at the main monitor station.

4 Water drain holes

- These holes allow rain water to drain. Do not cover them.

5 Panel

6 Speaker

7 Microphone

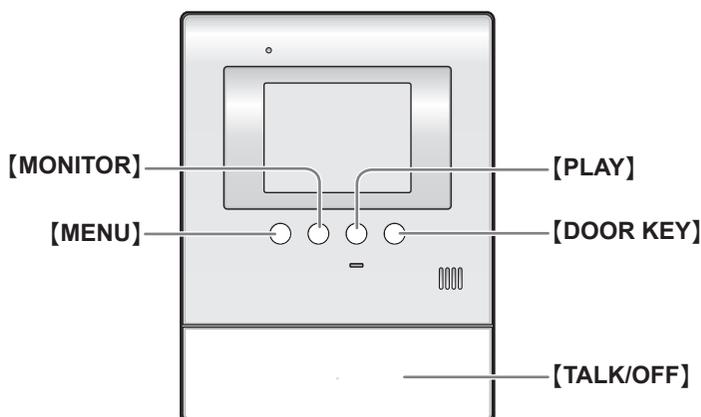
■ Door station image quality

The following phenomena may occur. They are not malfunctions.

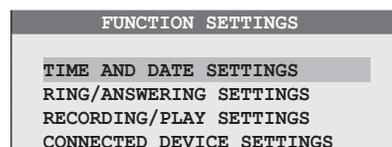
- If the sun can be seen, its center appears as a black dot.
- At night or when there is poor lighting in the doorway, the image colors become unclear. If there is a light in the doorway, the image may appear greenish.
- During the daytime or if there is bright light in the doorway, the color of the visitor's clothing may appear differently to the actual color.

Setting the date and time

This unit has a recording function. The date and time will not be recorded when recording unless they are set. You can set the date and time using the main monitor station.



- 1 Press **[MENU]**, then select "TIME AND DATE SETTINGS" by pressing **[MENU]** (**▼SELECT**).



- 2 Press **[MONITOR]** (**OK**), then set the current date and time.

[MENU] (**NEXT▶**):

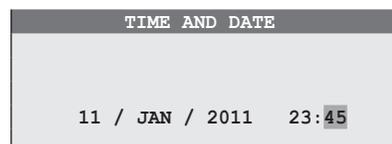
Select the location for day/month/year/hour/minute.

[MONITOR] (**-**) or **[PLAY]** (**+**):

Select numbers.

- You can scroll numbers quickly by pressing and holding **[MONITOR]** (**-**) or **[PLAY]** (**+**).

(Example)



- 3 Press **[DOOR KEY]** (**OK**) after finishing the setting.

- The screen in step 1 is displayed.

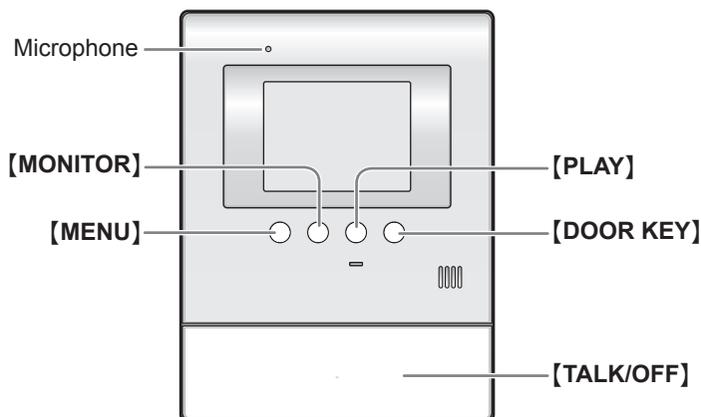
- 4 To end the operation, press **[TALK/OFF]**.

Note:

- Time may shift about 60 seconds per month.

Answering a call

When you receive a call from a door station, the main monitor station rings. You can monitor the visitor on the monitor display before answering a call.



1 When a ringer tone is heard, press **[TALK/OFF]**.

- **TALKING** appears on the display.

2 Speak to the visitor within 50 cm of the microphone.

- Speak alternately with the visitor.
(If you and the visitor speak at the same time, you will not hear each other.)

3 To end the conversation, press **[TALK/OFF]**.

Note:

- If you do not answer a door call within 30 seconds, the display will turn off. A conversation will be automatically disconnected in about 90 seconds and then the display will turn off.
- The image taken by the door station is automatically recorded (page 14).

When using an additional door station:

- When you receive another call from the other door station during a conversation, see page 12.

Answering a call by voice sensor (Voice answer mode)

This mode allows you to answer a call by voice without pressing **[TALK/OFF]**.

Voice answer must be set "ON" beforehand (page 21).

1 When a ringer tone is heard, answer with a clear voice such as "Yes?" or "Hello?".

- When a beep sounds, you can talk to the visitor.

Note:

- Make sure you are within about 50 cm of the main monitor station.
- The visitor cannot hear your initial reply when you answer with voice.
- Your initial reply should be brief (less than 1 second), otherwise the voice answer mode will not start.
- If a visitor calls you, a loud, brief sound (such as a dog's bark) may start the voice answer mode even though you have not replied by voice.

Features during a call or while monitoring

Adjusting the display brightness

- 1 Press **[MENU]**, then select "BRIGHTNESS" by pressing **[MENU] (▼SELECT)**.
- 2 Adjust the brightness by pressing **[MONITOR] (DARK)** or **[PLAY] (BRIGHT)**.

Hiding the guidance

You can hide the operation guidance and button guidance (page 7).

- 1 Press **[MENU]**, then select "GUIDE OFF" by pressing **[MENU] (▼SELECT)**.
- 2 Press **[MONITOR] (OK)**.
 - The guidance disappears from the display temporarily. It reappears when you perform another operation.

Adjusting the volume of your voice heard at the door station

You can adjust the volume of your voice heard at the door station by setting the main monitor station.

- 1 Press **[MENU]**, then select "OUTGOING VOL" by pressing **[MENU] (▼SELECT)**.
- 2 Adjust the volume by pressing **[MONITOR] (–)** or **[PLAY] (+)**.

Adjusting the speaker volume

- 1 Press **[MENU]**, then select "INCOMING VOL" by pressing **[MENU] (▼SELECT)**.
- 2 Adjust the volume by pressing **[MONITOR] (–)** or **[PLAY] (+)**.

If it is difficult to hear the visitor's voice due to noise (Press-to-talk mode)

You can speak with the visitor alternately by pressing **[TALK/OFF]** to switch between the talking mode and the receiving mode.

- 1 Press and hold **[TALK/OFF]** for about 2 seconds during a call until a beep sounds.
 -  appears on the display.
- 2 **To speak to the visitor:** Speak while pressing and holding **[TALK/OFF]**.
To hear the visitor: Release **[TALK/OFF]**.
 - **To end the conversation:**
Tap **[TALK/OFF]** (for 0.8 seconds or less).

Note:

- Press-to-talk mode is canceled after the conversation ends.

Using **[DOOR KEY]** button

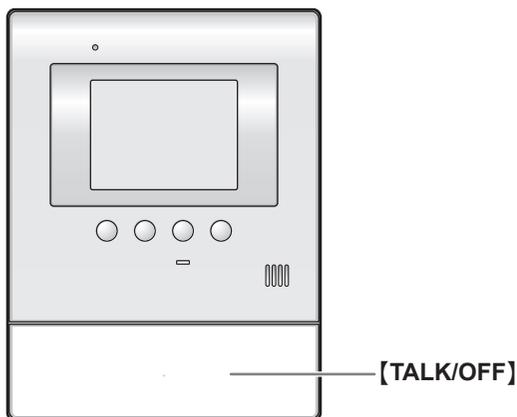
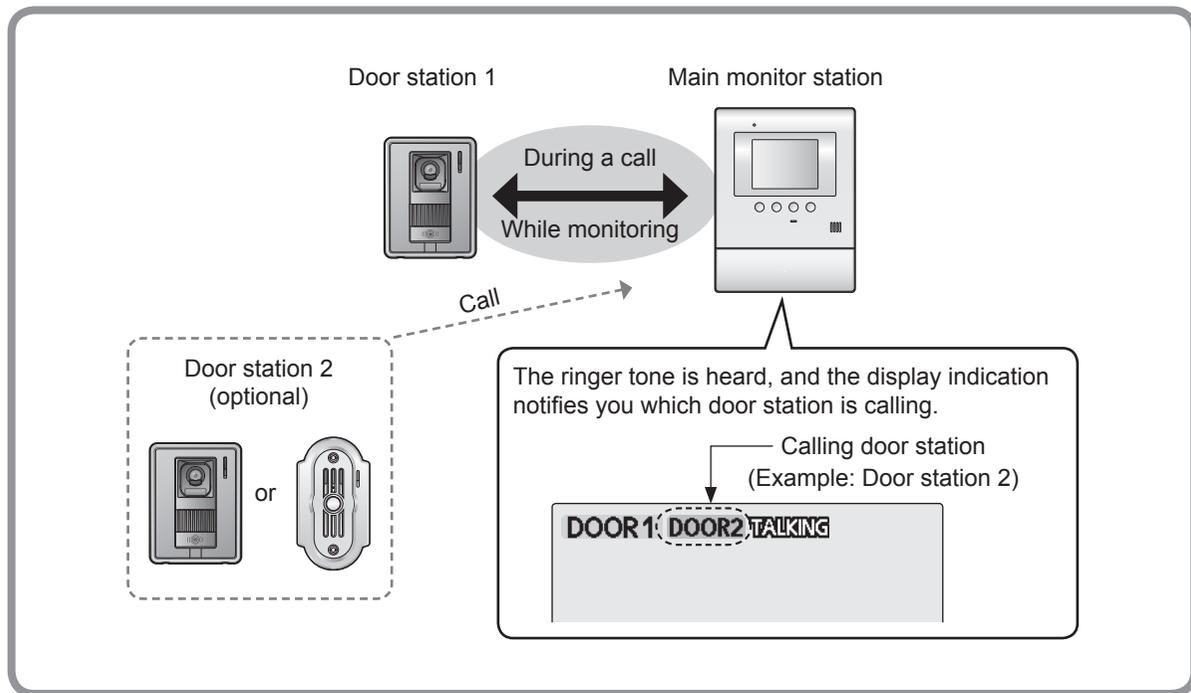
When a separate door opener is connected to the main monitor station, you can open the door using the main monitor station.

- 1 To open the door, press **[DOOR KEY]** after answering a call from the door station or while monitoring images taken by the door station.
 - When the door is opened,  is displayed.
 - Door opener allows you to open the door for the time specified in "Setting **[DOOR KEY]** button" on page 20.

Note:

- You cannot open the door while receiving a call from the door station.
- **When using 2 door openers:**
You can open door 1 (door opener 1) when you are talking with door station 1 or monitoring it. You can open door 2 (door opener 2) when you are talking with door station 2 or monitoring it.

When receiving another call during a call or while monitoring



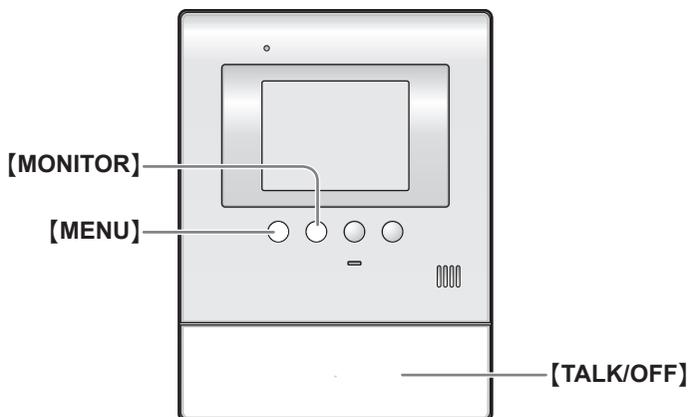
When answering a call:

- 1 Press **[TALK/OFF]** to end the previous call or monitoring.
 - The previous call or monitoring is terminated.
 - The image taken by the other door station is displayed.
(You cannot hear the visitor's voice.)
- 2 To speak to the other party, press **[TALK/OFF]**.
- 3 To end the conversation, press **[TALK/OFF]**.

Monitoring the outside (Door station monitor)

You can monitor the sound and image taken by the door station.

- If an optional lobby station is connected to the main monitor station (page 3), you cannot monitor outside where the lobby station is located.



1 Press **[MONITOR]**.

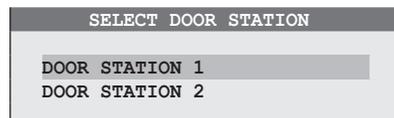
- **MONITOR** appears on the display.
- The outside image will be shown on the display, and you will hear the sound from outside. (The sound from your end will not be heard at the door station.)

2 To end monitoring, press **[TALK/OFF]**.

■ When installing 2 door stations

When you press **[MONITOR]** in step 1, the following is displayed.

Press **[MENU]** (**▼SELECT**) to select the desired door station, then press **[MONITOR]** (**OK**).



Note:

- Monitoring will automatically end in about 90 seconds.
- To talk to the visitor at the door station, press **[TALK/OFF]** to end monitoring, then press **[TALK/OFF]** again.
- You can perform the following operations during monitoring. For more details, see page 11.
 - Adjusting the display brightness
 - Hiding the guidance
 - Adjusting the speaker volume

When using an additional door station:

- When you receive another call from the other door station while monitoring, see page 12.

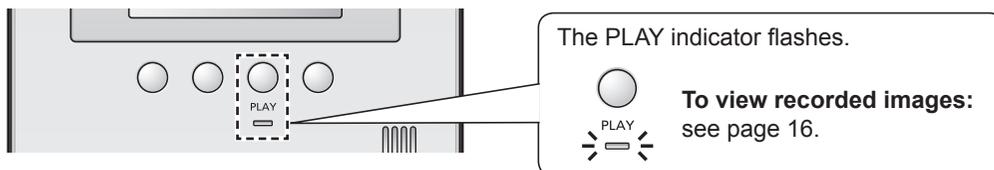
Recording an image

The main monitor station can record (save) images from up to 30 calls (or monitoring to the door station).

Auto recording

After about 2 seconds when you receive a call from the door station, an image is automatically recorded.

- If you do not answer a call, the image for the call is recorded, and the main monitor station notifies you that there is an unviewed image as follows.



Note:

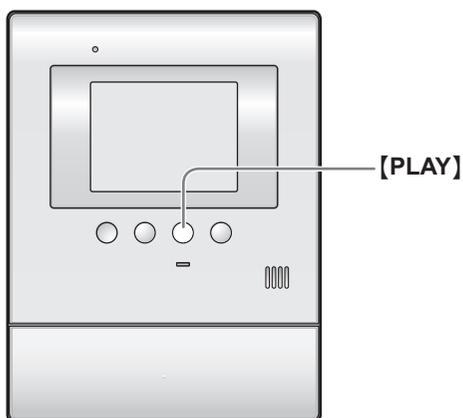
- You can set the PLAY indicator not to flash when there are unviewed images (“PLAY LAMP FLASHING” on page 22).
- When you answer a call, the recorded image will be treated as a viewed image.
- If you receive a call from the other door station while monitoring or during a conversation (page 12), the image for the call is not recorded unless you answer it.

■ Auto image update

If a new image is recorded when the maximum number of images is already stored, the oldest image (including unviewed images) is automatically erased.

Manual recording

You can record an image anytime you are receiving a call, during a conversation, or while monitoring.



1 When an image is shown on the display, press **[PLAY] (●REC)**.



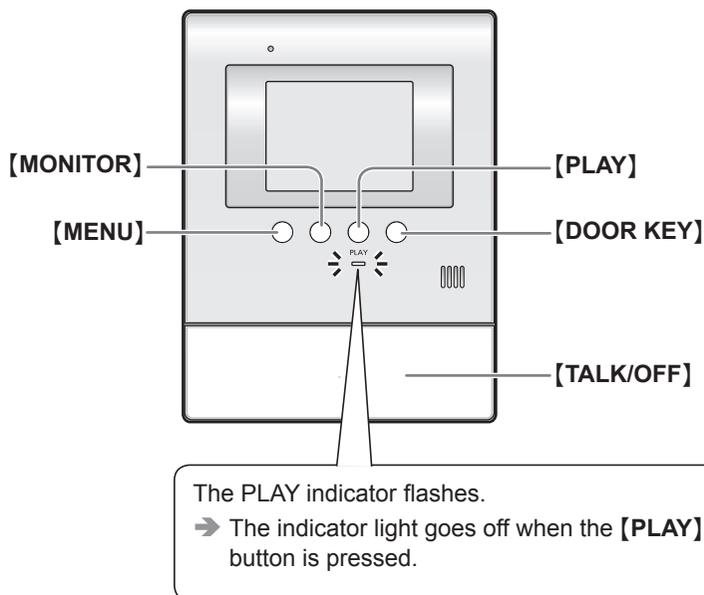
Note:

●Manually recorded images will be treated as viewed images. (To view the recorded images, see page 16.)

Viewing recorded images

You can view recorded images.

When the PLAY indicator on the main monitor station is flashing, there is an image that has not been viewed yet.



1 Press **[PLAY]**, then select the desired item to view by pressing **[MENU] (▼SELECT)**.

- Items having no recorded images are displayed in a light tone color and you cannot select them.

UNPLAYED PICTURES	5
PLAYED PICTURES	1 2

2 Press **[MONITOR] (OK)** to view the image.

- The most recently recorded image is displayed.

■ **To view the next image**

Press **[MONITOR] (|◀◀)**.

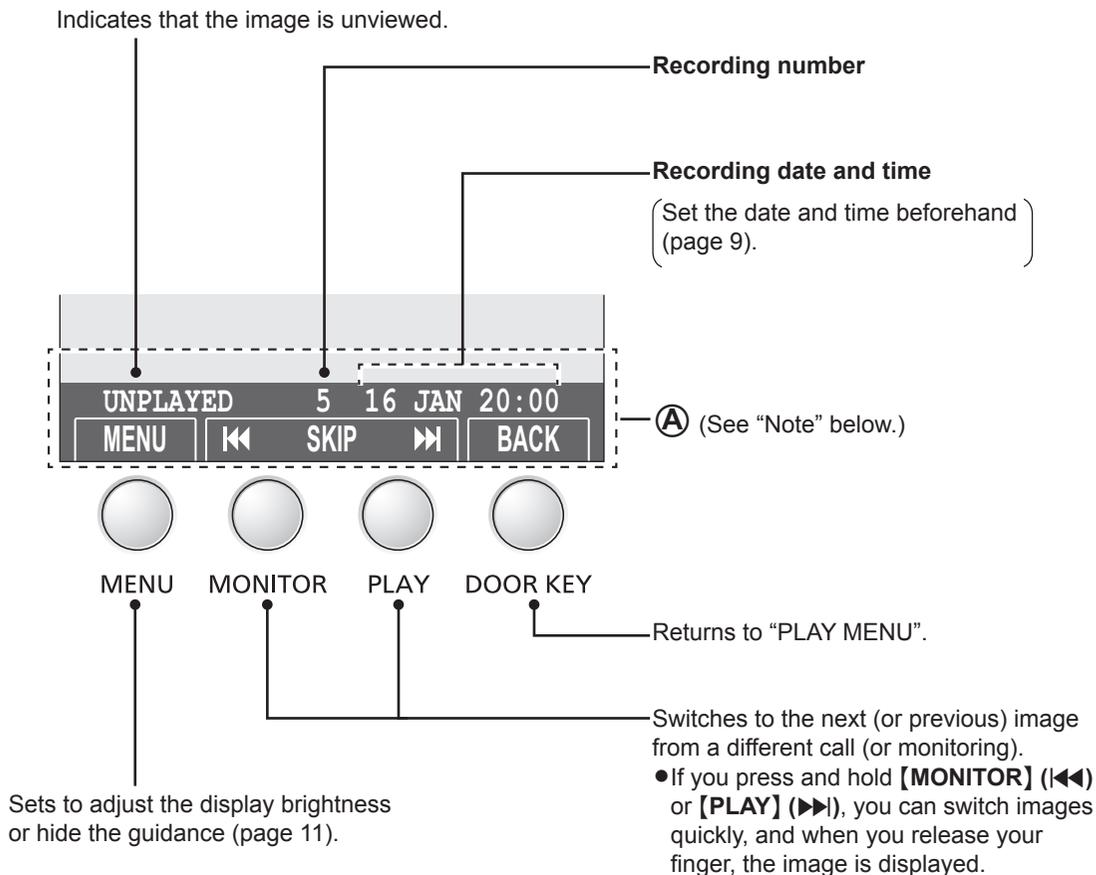
- Each time you press the button, images from other calls (or monitoring) are displayed in chronological order starting from the most recently recorded image.
- For display information when viewing images, see page 17.

3 To stop viewing images, press **[TALK/OFF]**.

Note:

- Once the **[PLAY]** button is pressed while the PLAY indicator is flashing, the indicator light goes off even if there are images that have not been viewed.

■ How to view recorded images/Features while viewing recorded images

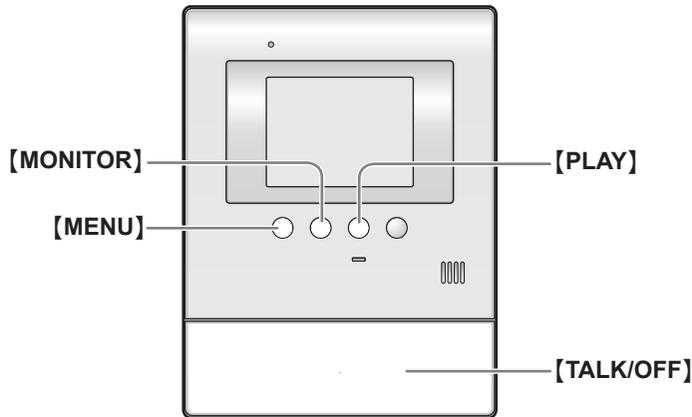


Note:

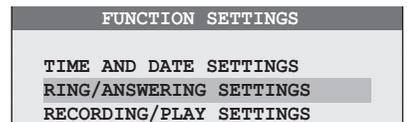
- You can hide the guidance (indicated by Ⓐ above) that overlaps the image to view the whole image.
 - For details on temporarily hiding the guidance, see page 11.
 - To display the guidance for 3 seconds before it is hidden, set "DISPLAY RECORDING DATE" to "3 SEC" (page 22).

Adjusting the ringer volume

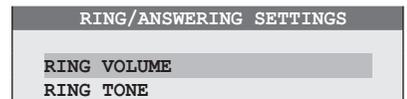
You can adjust the ringer volume heard when receiving calls from the door station by using the main monitor station during standby. (3 levels and "OFF" are available.)



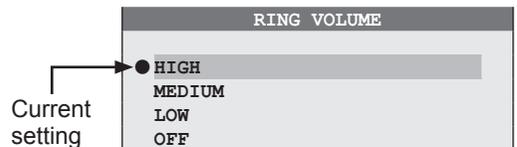
1 Press **[MENU]**, then select "RING/ANSWERING SETTINGS" by pressing **[MENU]** (**▼SELECT**).



2 Press **[MONITOR]** (OK), then select "RING VOLUME" by pressing **[MENU]** (**▼SELECT**).



3 Press **[MONITOR]** (OK), then select the desired volume by pressing **[MENU]** (**▼SELECT**).



4 Press **[MONITOR]** (OK).

● "●" moves to the selected item.

5 To end the operation, press **[TALK/OFF]**.

Note:

● You can also adjust the ringer volume while receiving a call.

① Press **[MENU]**, then select "RING VOLUME" by pressing **[MENU]** (**▼SELECT**).



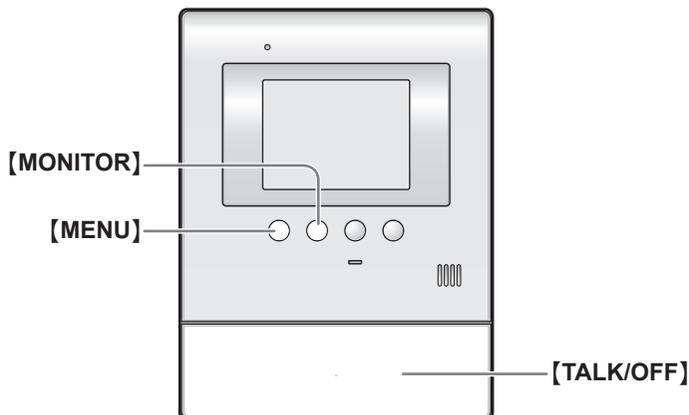
② Press **[MONITOR]** (–) or **[PLAY]** (+).^{*1}

^{*1} To turn off the ringer volume for calls from the door station, press and hold **[MONITOR]** (–) until 2 short beeps sound.

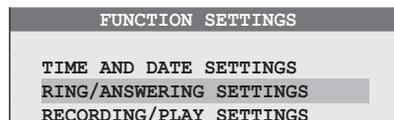
– To turn the ringer on, press **[PLAY]** (+).

Changing the ringer tone

You can change the ringer tone that is heard when receiving calls from the door station by using the main monitor station.



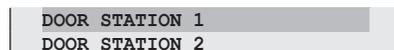
1 Press **[MENU]**, then select “RING/ANSWERING SETTINGS” by pressing **[MENU]** (**▼SELECT**).



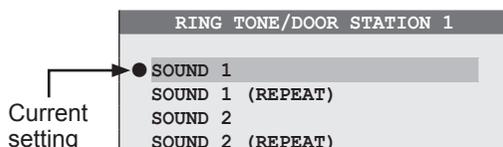
2 Press **[MONITOR]** (**OK**), then select “RING TONE” by pressing **[MENU]** (**▼SELECT**).



3 Press **[MONITOR]** (**OK**), then select the desired door station by pressing **[MENU]** (**▼SELECT**).



4 Press **[MONITOR]** (**OK**), then select the desired ringer tone by pressing **[MENU]** (**▼SELECT**).



5 Press **[MONITOR]** (**OK**).
 ●“●” moves to the selected item.

6 To end the operation, press **[TALK/OFF]**.

■ Ringer tone patterns

The default settings are: Door station 1 “SOUND 1”, Door station 2 “SOUND 2”

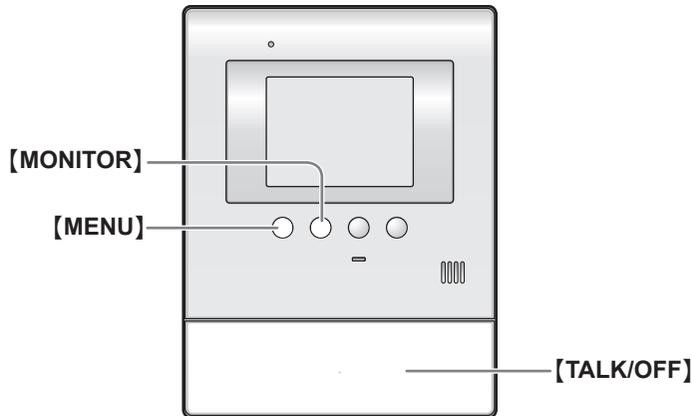
Ringer tone for calls from the door station
SOUND 1
SOUND 1 (REPEAT)* ¹
SOUND 2
SOUND 2 (REPEAT)* ¹
SOUND 3
SOUND 3 (REPEAT)* ¹

*¹ The selected tone rings about every 5 seconds. However, the ringer tone heard at the door station or the ringer tone when receiving another call does not ring repeatedly.

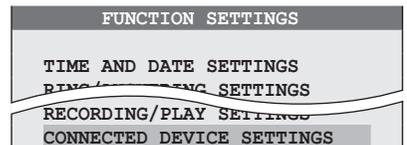
Setting [DOOR KEY] button

When a separate door opener is connected to the main monitor station, you can open the door using the main monitor station. You can also select how long the door remains open. If you do not use the door opener, select "NOT CONNECTED".

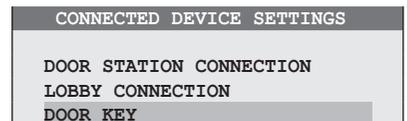
- The default setting is "5 SEC OPEN".



- 1 Press **[MENU]**, then select "CONNECTED DEVICE SETTINGS" by pressing **[MENU]** (**▼SELECT**).



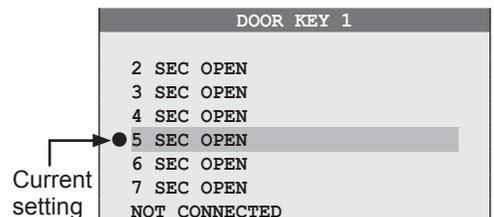
- 2 Press **[MONITOR]** (**OK**), then select "DOOR KEY" by pressing **[MENU]** (**▼SELECT**).



- 3 Press **[MONITOR]** (**OK**), then select the door opener to be set by pressing **[MENU]** (**▼SELECT**).



- 4 Press **[MONITOR]** (**OK**), then select the desired item by pressing **[MENU]** (**▼SELECT**).



- 5 Press **[MONITOR]** (**OK**).
 - "●" moves to the selected item.

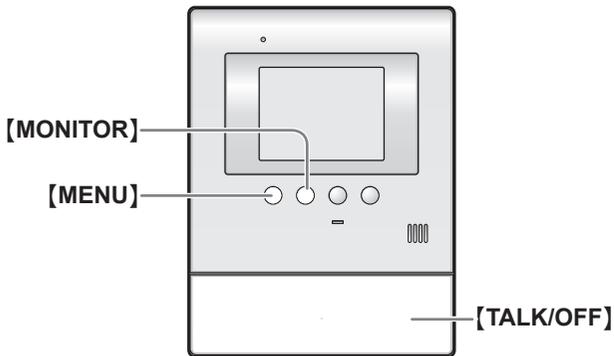
- 6 To end the operation, press **[TALK/OFF]**.

Note:

- After setting the **[DOOR KEY]** button, confirm that the door can be properly locked/unlocked depending on the status of the door opener. If needed, change the time how long the door remains open by performing the steps above again.

Changing the function settings (Function list)

How to change the function settings



- 1 Press **[MENU]**, then select the desired item by pressing **[MENU] (▼SELECT)**.
- 2 Press **[MONITOR] (OK)**, then select the desired item by pressing **[MENU] (▼SELECT)**.
- 3 Press **[MONITOR] (OK)**, then select the desired setting by pressing **[MENU] (▼SELECT)**.
 - In some functions, repeat this operation according to the display instructions.
- 4 Press **[MONITOR] (OK)**.
- 5 To end the setting, press **[TALK/OFF]**.

Note:

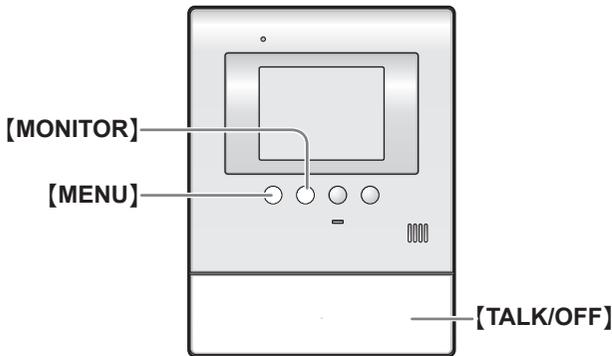
- When receiving a call while setting or no operation is done for about 90 seconds, the setting function screen automatically quits.

Function list

The default setting is indicated in bold.

Item (function)	Setting
TIME AND DATE SETTINGS	<ul style="list-style-type: none"> • You can set the current date and time (page 9).
RING/ANSWERING SETTINGS	
RING VOLUME	<p>HIGH, MEDIUM, LOW, OFF</p> <ul style="list-style-type: none"> • You can select the ringer volume of the main monitor station (page 18).
RING TONE	<p>DOOR STATION 1: SOUND 1, SOUND 1 (REPEAT), SOUND 2, SOUND 2 (REPEAT), SOUND 3, SOUND 3 (REPEAT)</p> <p>DOOR STATION 2: SOUND 1, SOUND 1 (REPEAT), SOUND 2, SOUND 2 (REPEAT), SOUND 3, SOUND 3 (REPEAT)</p> <ul style="list-style-type: none"> • You can select the ringer tone of the main monitor station for calls from the door station (page 19).
VOICE ANSWER	<p>ON, OFF</p> <ul style="list-style-type: none"> • You can answer a call from the door station by answering with a clear voice such as "Yes?" or "Hello?" unless you press [TALK/OFF] (page 10). – Even if "ON" is selected, you can answer a call by pressing [TALK/OFF].

How to change the function settings



- 1 Press **[MENU]**, then select the desired item by pressing **[MENU] (▼SELECT)**.
- 2 Press **[MONITOR] (OK)**, then select the desired item by pressing **[MENU] (▼SELECT)**.
- 3 Press **[MONITOR] (OK)**, then select the desired setting by pressing **[MENU] (▼SELECT)**.
 - In some functions, repeat this operation according to the display instructions.
- 4 Press **[MONITOR] (OK)**.
 - If “DELETE ALL PICTURES” or “INITIALIZE SETTINGS” is selected (page 23), the confirmation message is displayed. After the message is displayed, press **[MONITOR] (YES)**.
- 5 To end the setting, press **[TALK/OFF]**.

Note:

- When receiving a call while setting or no operation is done for about 90 seconds, the setting function screen automatically quits.

Function list

The default setting is indicated in bold.

Item (function)	Setting
RECORDING/PLAY SETTINGS	
PLAY LAMP FLASHING	<p>YES, NO</p> <ul style="list-style-type: none"> • If you select “YES”, the PLAY indicator flashes when unviewed images taken by the door station remain (page 14).
PICTURE RECORD TIMING	<p>NORMAL (about 2 seconds), DELAYED (about 3 seconds)</p> <ul style="list-style-type: none"> • Select “DELAYED” at night when the recorded images are difficult to see if the door station auto recording feature is turned on. (You cannot select the setting for door station 1 or 2 separately.)
DISPLAY RECORDING DATE	<p>ALWAYS, 3 SEC</p> <ul style="list-style-type: none"> • You can set the recording time and date and the guidance to be displayed while viewing the recorded image. • When “3 SEC” is selected: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>(Directly after being displayed)</p> </div> <div style="font-size: 2em;">➔</div> <div style="text-align: center;"> <p>(About 3 seconds later)</p> </div> </div>

Item (function)	Setting
RECORDING/PLAY SETTINGS	
DOOR STATION AUTO RECORDING	DOOR STATION 1: ON , OFF DOOR STATION 2: ON , OFF ●When receiving calls from the door station, images are automatically recorded.
DELETE ALL PICTURES	DELETE ALL PICTURES, BACK ●To erase all recorded images, select “DELETE ALL PICTURES”.
CONNECTED DEVICE SETTINGS	
DOOR STATION CONNECTION	DOOR STATION 1: YES , AUTO, NO DOOR STATION 2: YES, AUTO , NO ●You can select the setting of the door station. ●Select “NO” for the door station that is not in use.
LOBBY CONNECTION	Generally, it is unnecessary to change this setting. This is for apartment complexes. Only if an optional lobby station is connected to the main monitor station (page 3), change the setting to “YES”. YES, NO
DOOR KEY	DOOR KEY 1: 2 SEC OPEN, 3 SEC OPEN, 4 SEC OPEN, 5 SEC OPEN , 6 SEC OPEN, 7 SEC OPEN, NOT CONNECTED DOOR KEY 2: 2 SEC OPEN, 3 SEC OPEN, 4 SEC OPEN, 5 SEC OPEN , 6 SEC OPEN, 7 SEC OPEN, NOT CONNECTED ●You can select how long the door remains open when the door opener (sold separately) is connected to the main monitor station (page 20).
OTHER SETTINGS	
OPERATION GUIDE SETTINGS	ON , OFF ●Select “OFF” to always hide the operation guidance (page 7) shown on the bottom of the display.
INITIALIZE SETTINGS	INIT + DEL ALL PICTURES, ONLY INITIALIZE SETTINGS, BACK ●This function resets the settings of the main monitor station to the default settings. ●The following settings are not affected: – Lobby connection settings
DEMO MODE	Do not use this setting unless the device is being used in a sales display. ON, OFF

Expanding your system with optional units

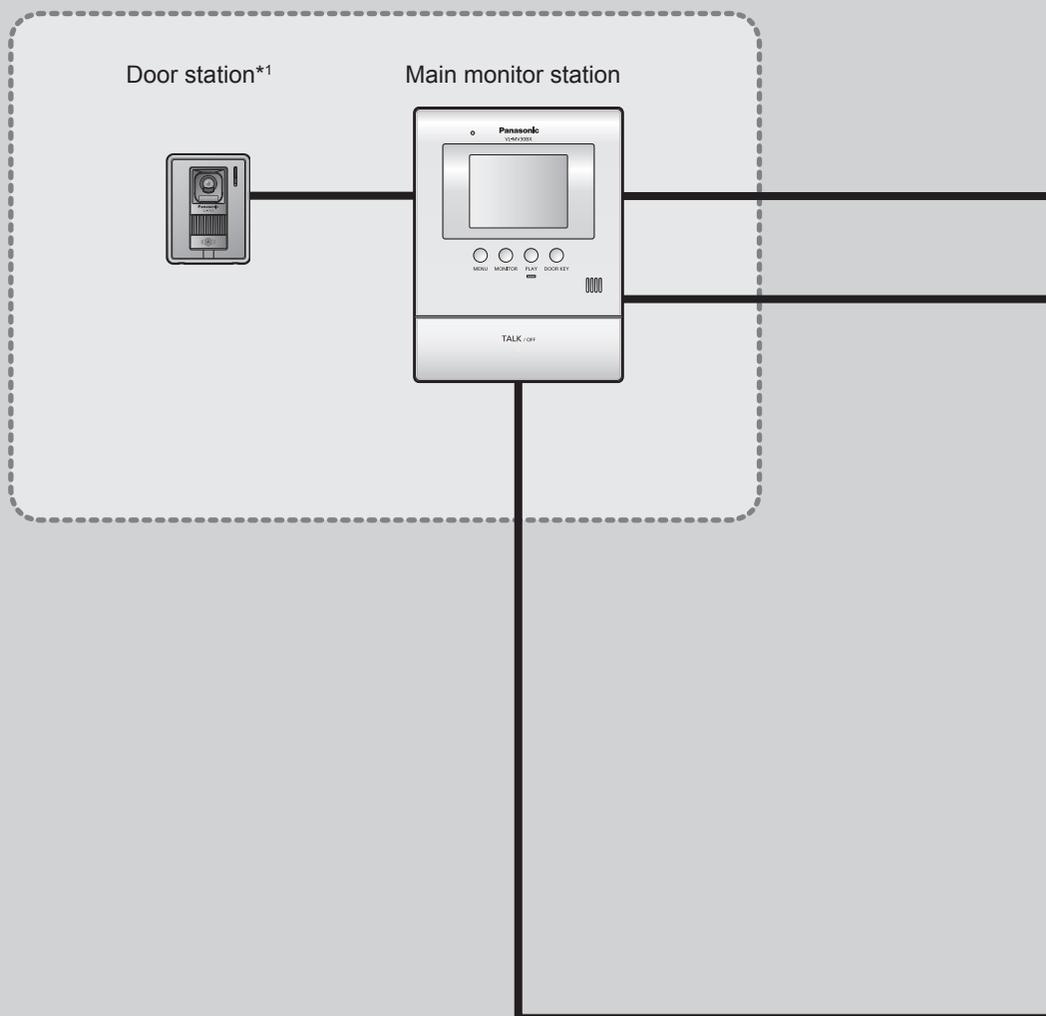
You can expand your system with the following optional units ("Accessory items" on page 3).

For installing or using the optional units, refer to their separate Operating Instructions.

For wiring between the optional units and the main monitor station, refer to the Installation Guide included separately.

System components (as of November, 2010)

Video intercom system



*1 For VL-MV30BX users: The door station is optional (not included).

*2 You can connect up to 2 door openers to the main monitor station. If the main monitor station is connected to a PBX, one of the 2 door openers can be connected to the PBX and operated from the PBX extensions.

Units required to be installed

Adding a door station:

Door station (up to 2 units including your original unit)



VL-V566BX

or



VL-GC005BX

You can also connect an optional lobby station for apartment complexes (page 3).

Operating the door opener:

Door opener (up to 2 units)*2



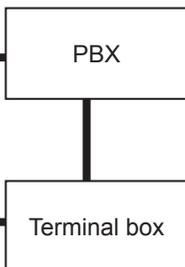
Connecting to a door opener allows you to open the door using the **[DOOR KEY]** on the main monitor station (page 11).

Using with Panasonic PBX:

Connecting to a PBX allows you to answer calls from the door station using additional machines (extensions).

Please use only a Panasonic PBX (page 3).

*2



Note:

- If you answer a call from the door station with a PBX extension, the camera image taken by the door station will be displayed at the main monitor station. **PEX** will appear in the top of the display indicating that a PBX extension is on the call (see ④ on page 7). While **PEX** is displayed, you cannot answer the call using the main monitor station. The display will turn off when the conversation between the door station and the PBX extension ends, or if the call duration time is longer than 3 minutes.
- If you answer a call from the door station with the main monitor station, the call will continue to ring at the extension for about 15 to 30 seconds. Even if an extension user wants to answer the call while the call is ringing, the extension user cannot participate in the call.

When using two door stations (excluding an optional lobby station, page 3):

From the PBX extension, you can call up the only one door station that has received the last incoming call or has talked with.

Troubleshooting

■ Monitor display

Problem	Cause & Solution	Page
The image of the subject is displayed in black and white (or bluish-purple), or the background image appears greenish.	<ul style="list-style-type: none"> ● At night or when there is poor lighting in the doorway, <ul style="list-style-type: none"> – the display will be shown in black and white (or bluish-purple). – If there is a light in the doorway, the image appears greenish. These are not malfunctions. 	—
The image of a person's face is dark.	<ul style="list-style-type: none"> ● When there is a strong sunlight or a backlight in the place where the door station is located, the person's face becomes dark. <ul style="list-style-type: none"> – Locate the door station away from strong sunlight or backlights. – Adjust the brightness of the display. (The background image will be shown in white.) 	— 11
The image is not clear or is blurry.	<ul style="list-style-type: none"> ● The surface or the lens of the door station is dirty. Clean it with a soft dry cloth. ● The surface or the lens of the door station is wet with dew. Wait for the condensation to evaporate. 	28 —
The image is white or black.	<ul style="list-style-type: none"> ● The brightness of the display is not properly adjusted. Adjust the brightness while receiving a call, during a conversation, or while monitoring. 	11
The image is white, or white lines or circles are shown on the display.	<ul style="list-style-type: none"> ● Strong light such as sunlight is shining into the lens of the door station. Though this may cause the display image to become difficult to see, this is not a malfunction. <ul style="list-style-type: none"> – Locate the door station away from direct sunlight. – The image quality may be better if the angle of the door station is changed. 	—
There is a small black dot in the background.	<ul style="list-style-type: none"> ● If the sun can be seen, its center appears as a black dot. This is not a malfunction. 	—
The image is flickering.	<ul style="list-style-type: none"> ● AC (alternating current) lights such as fluorescent lights may cause flickering in dark environments. This is not a malfunction. 	—
The recording date and time are not displayed while viewing the image.	<ul style="list-style-type: none"> ● The date and time are not set. Set the current date and time using the main monitor station. 	9
The recorded image taken at night is dark.	<ul style="list-style-type: none"> ● It takes some time to display the image from the door station taken at night. Therefore, the auto recording may start before the image can be displayed. Change the setting of "PICTURE RECORD TIMING" to "DELAYED". 	22

■ Conversation

Problem	Cause & Solution	Page
Sound cuts in/out or fades.	<ul style="list-style-type: none"> •The surroundings of the main monitor station or the door station are noisy. Try “Press-to-talk” mode. 	11
Your voice cannot be heard by the outside visitor. (Visitor’s voice can be heard.)	<ul style="list-style-type: none"> •When P is displayed, the “Press-to-talk” mode is activated. Only while pressing [TALK/OFF], the outside visitor can hear your voice. 	11
Voice answer mode does not operate properly.	<ul style="list-style-type: none"> •Your voice is not loud enough or your initial reply is too long (must be less than 1 second). Try a different voice volume or change the length of your answer until the main monitor station beeps. 	10

■ Ringer tone

Problem	Cause & Solution	Page
The ringer tone for the door station does not sound.	<ul style="list-style-type: none"> •The ringer volume is turned off. Turn it on. 	18

■ Others

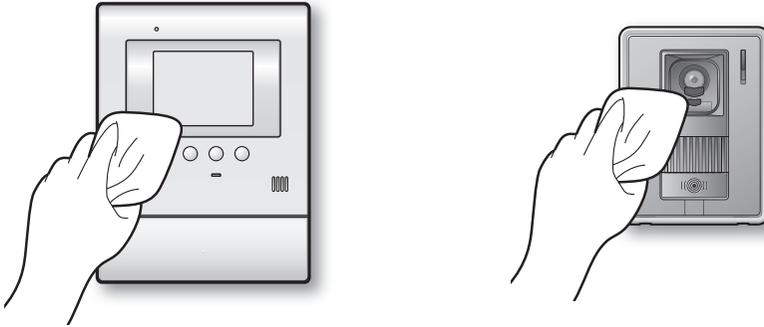
Problem	Cause & Solution	Page
The main monitor station and the door station do not work during a power failure.	<ul style="list-style-type: none"> •The unit does not work during a power failure. The date and time may be reset to the default setting after a power failure. In this case, set the date and time using the main monitor station again. 	9
<ul style="list-style-type: none"> •“DEMO MODE” is displayed. •You cannot answer the call. 	<ul style="list-style-type: none"> •Demo mode is activated. Change the setting to “OFF”. 	23
<ul style="list-style-type: none"> •The unit does not work with correct operations. •The unit does not work properly. 	<ul style="list-style-type: none"> •Perform the following operation (Reset). <ul style="list-style-type: none"> – Press and hold [MENU] and [PLAY] together for about 3 seconds. (Recorded images and the program settings are not affected.) 	—
The main monitor station does not work. <ul style="list-style-type: none"> •The display monitor does not display anything. •The ringer tone does not sound. •No voices can be heard. 	<ul style="list-style-type: none"> •The plug is disconnected from the power outlet, or it is about to be disconnected. Disconnect the plug, and connect it securely again. If this does not solve the problem, contact our service personnel. 	—

Cleaning

Clean the unit with a soft, dry cloth when cleaning. For excessive dirt, wipe the unit with a slightly damp cloth.

Important:

- When cleaning the unit, disconnect the plug from the power outlet.
- Do not use anything containing alcohol, polish powder, powder soap, benzene, thinner, wax, petroleum, or boiling water. Also do not spray with insecticide, glass cleaner, or hair spray. This could cause a change in color or quality.



Specifications

Main monitor station (VL-MV30BX)

Power supply:	100 – 240 V AC, 50/60 Hz
Current consumption:	Standby: Approx. 0.04 A During operation: Approx. 0.22 A
Dimensions:	Approx. height 195 mm x width 148 mm x depth 36 mm (Excluding protruding sections)
Mass (Weight):	Approx. 550 g
Operating environment:	0 °C to 40 °C, Up to 90 % RH (Relative Humidity) non condensing
Display:	3.5" color LCD monitor
Talking method:	Hands-free
Installation method:	Wall mount (Wall mount bracket included)

Door station (VL-V566BX)

Power source:	Supplied by the main monitor station
Dimensions:	Approx. height 131 mm x width 99 mm x depth 36.5 mm (Excluding protruding sections)
Mass (Weight):	Approx. 200 g
Operating environment:	-10 °C to 50 °C, Up to 90 % RH (Relative Humidity) non condensing
Installation method:	Wall mount (Wall mount base included)
External material:	Flame retardant ABS resin

Note:

- Design and specifications are subject to change without notice.
- The pictures and illustrations in these instructions may vary slightly from the actual product.

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Notes

For your future reference

Date of purchase

Serial number (found on the rear of the main monitor station)

Dealer's name and address

Dealer's telephone number

Attach your sales receipt here.

