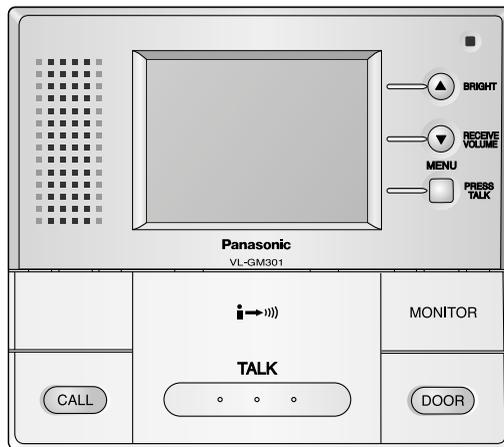# Panasonic®

Video Intercom System
Monitor Station

Installation and Operation Guide

Model No. **VL-GM301A**

Thank you for purchasing a Panasonic Monitor Station.

Please read this Installation and Operation Guide before using the unit and save for future reference.

Important Information

Introduction and Installation

Using the unit

Menu setup

Help

General Information

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

The lightning flash with arrow head within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.

The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

Important safety instructions

1) Read these instructions.
   All the safety and operating instructions should be read before the appliance is operated.

2) Keep these instructions.
   The safety and operating instructions should be retained for future reference.

3) Heed all warnings.
   All warnings on the appliance and in the operating instructions should be adhered to.

4) Follow all instructions.
   All operating and use instructions should be followed.

5) Do not use this apparatus 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.

6) Clean only with dry cloth.
   Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
   Slots and Openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
   This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

9) Do not defeat the safety purpose of the polarized or grounding-type plug.
   A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments / accessories specified by the manufacturer.

12) Unplug this apparatus during lightning storms or when unused for long periods of time.
    This will prevent damage to the product due to lightning and power-line surges.

13) 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.

SAVE THESE INSTRUCTIONS

3

Additional safety information

1. 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.
2. Use only the specified AC adaptor.
3. Do not tamper with the plug.
4. Make sure the plug is securely inserted.
5. Do not touch the plug with wet hands.
6. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
7. To reduce the risk of electric shock, do not disassemble this unit. Take the unit 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.
8. Unplug this unit from power outlets and refer servicing to an authorized service center when the following conditions occur:
   A. If smoke rises, or an unaccustomed noise or smell is discharged from the unit.
   B. If metal objects have been dropped inside the monitor station.
9. Do not put your ear(s) near the speaker, as loud sounds emitted from the speaker may cause hearing impairment.
10. Only a qualified technician is allowed to connect a power cable to the unit. Contact an authorized service center.
11. Do not make any wiring connections when the power supply is turned on.
12. Never install wiring during a lightning storm.
13. Do not connect a power cable other than the specified voltage.
14. Do not connect the power cable to any terminal other than the one specified.
15. When existing chime wires are used, it is possible that they contain AC voltage. Electric shock or unit damage could result. Contact an authorized service center.
16. Never touch the inside of the monitor station. High voltage is present.
17. Make certain when mounting the unit to any wall surface that the method used will hold the weight of the unit properly.
18. If the wiring is outdoors, use a protection tube or a surge protector.
19. If the wiring is underground, do not make any connections underground.
20. WARNING – To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Apparatus To Rain Or Moisture.
21. WARNING – 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.

Note:
- This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: <http://www.eiae.org.>

For best performance

- If a power failure occurs, the unit will not function.
- Do not place any object within 20 cm (8 inches) of the monitor station. This may cause communication errors or malfunction.

20 cm
(8 inches)

20 cm
(8 inches)

20 cm
(8 inches)

20 cm
(8 inches)
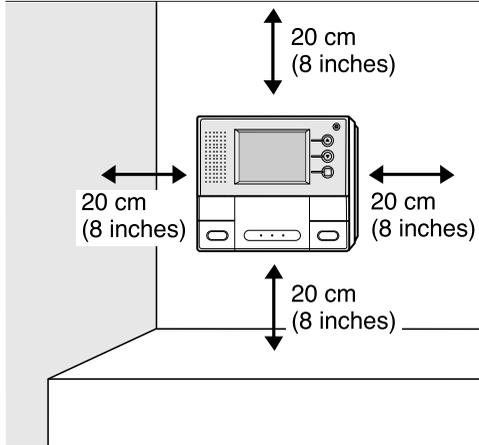
FCC and Other Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following
two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause
undesired operation.

CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance
could void the user's authority to operate this equipment.
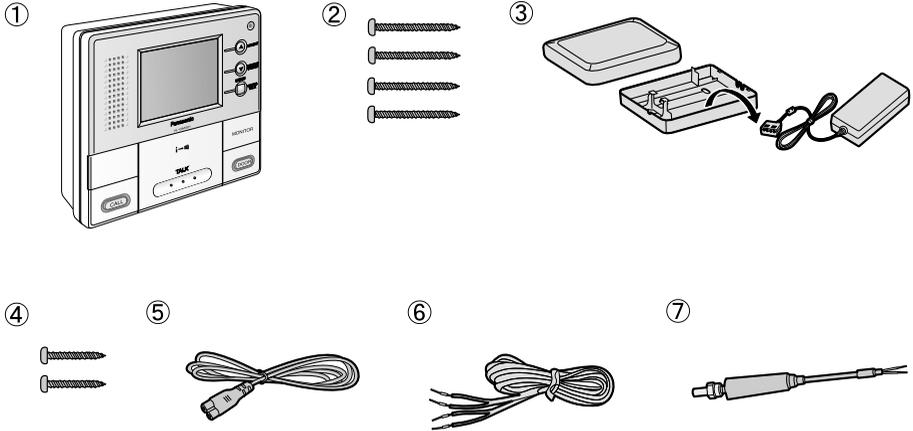
NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device,
pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable
protection against harmful interference in a residential installation. This equipment generates,
uses, and can radiate radio frequency energy and, if not installed and used in accordance with
the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be
determined by turning the equipment off and on, the user is encouraged to try to correct the
interference by one or more of the following measures:
● Reorient or relocate the receiving antenna.
● Increase the separation between the equipment and receiver.
● Connect the equipment into an outlet on a circuit different from that to which the receiver is
connected.
● Consult the dealer or an experienced radio/TV technician for help.

Included items

①   ②   ③

④   ⑤   ⑥   ⑦

No.	Item	Quantity	Notes
①	Monitor station	1	------
②	Wood screws	4	For the monitor station. 4 mm x 35 mm ($3/_{16}''$ x $1^3/_8''$)
③	AC adaptor	1	Enclosed in the AC adaptor case.
④	Wood screws	2	For the AC adaptor case. 4 mm x 16 mm ($3/_{16}''$ x $5/_8''$)
⑤	Power cord	1	------
⑥	Power cable	1	------
⑦	BNC cable	1	------

Monitor Station:

The Monitor Station is a central management device that allows operation of the Door Station, Door Opener, PBX, etc. and controls the entire system.
This system requires one Monitor Station to operate.

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Optional item information

Available optional items

– Door station (VL-GC001A, VL-GC002A)

– Sub Monitor station (VL-GM001A)

**– Flush mount unit (VL-GW001A)**

Compatible PBXs

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

– KX-TA308
– KX-TA624
– KX-TA824
– KX-TA1232
– KX-TAW848 (Ver2.0 or later)
– KX-TD308
– KX-TD816
– KX-TD1232
– KX-TDA50 (Ver2.0 or later)
– KX-TDA100 (Ver2.01 or later)
– KX-TDA200 (Ver2.01 or later)

*1 As of March, 2005. Consult your dealer for a current list of compatible PBXs.

Location of controls

Front view
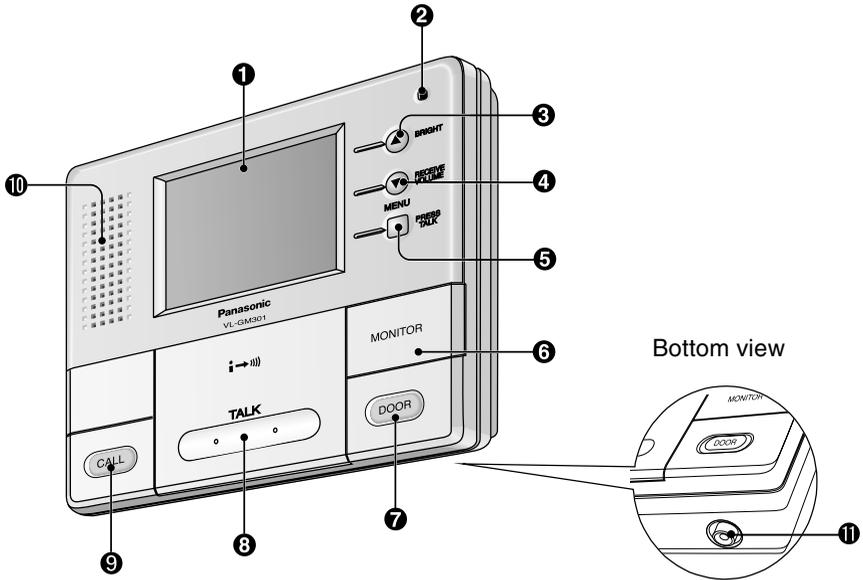
❶ **Display (3.5-inch color LCD screen)**

❷ **Microphone**
  • Speak into the microphone when talking to a visitor.

❸ **SELECT (▲) button / BRIGHT button**

❹ **SELECT (▼) button / RECEIVE VOLUME button**

❺ **MENU button / PRESS TALK button**

❻ **MONITOR button**
  • Allows you to monitor the sound and camera image from the door station. (Page 27)

❼ **DOOR button**
  • Allows you to open the door. (Page 31)

❽ **TALK button**
  • To answer a door call and/or speak to the visitor. (Page 25)

❾ **CALL button**
  • To call another monitor unit. (Page 28)

❿ **Speaker**

⓫ **Video output connector**
  • This terminal is used for connecting the monitor to a standard TV for viewing images. (Sound cannot be output.)

* Ventilation holes are located at the bottom. (Do not cover these.)

9

Before installation

To avoid malfunction or communication disturbance, do not install the monitor station in the following locations:
– Places where vibration or any other kind of impact occurs.
– Places where echoing is frequent.
– Places where a high concentration of dust, hydrogen sulfide, phosphorus, ammonia, sulfur, carbon, acid, or noxious fumes occur.
– Within 2 m (6′7″) of a TV, microwave, personal computer, air conditioner or any other electrical device.

The monitor station and AC adaptor are for indoor use only.
Do not use it outdoors, otherwise it may malfunction.
● Use the flush mount unit (sold separately) when installing the monitor station into a wall.
   – Refer to the Installation and Operation Guide that is included with the flush mount unit for details on installing the flush mount unit.

Standard installation position of the monitor station
Place the monitor station in a location so that your eyes are the same height as the center of the display.

Note:
● In areas surrounded by high electrical field, disturbance may occur in the monitor station's image or sound.
● Be sure to install the monitor station more than 5 m (16′5″) away from the door station.
● Please check that there is a partition of a wall etc. between a monitor station and sub monitor station and attach them.
● Do not place any objects within 20 cm (8 inches) of the monitor station. This may cause communication errors or malfunction.
● Do not install the monitor station inside a wall, without using the flush mount unit.
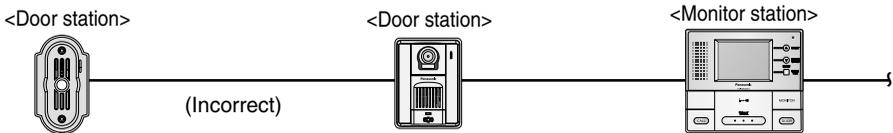
Precautions when connecting

The following points should be observed at all times.

Be sure to observe the following, otherwise operating problems may occur or the quality of the images and sound may be adversely affected.

• **Use the specified connection cables.**

● Do not connect a door station in relay.

<Door station>   <Door station>   <Monitor station>

(Incorrect)

● If using an existing cable, disconnect the monitor station from the 120 V AC power supply and check the cable length and the loop resistance.

<Door station>   <Monitor station>   <Sub Monitor station>

General cable CAT-3 24AWG
Up to 100 m (328 feet)
Loop resistance: 18.4 [Ω] or less

General cable CAT-3 24AWG
Up to 100 m (328 feet)
Loop resistance: 18 .4 [Ω] or less
(Distance from monitor station to last
 sub monitor station)
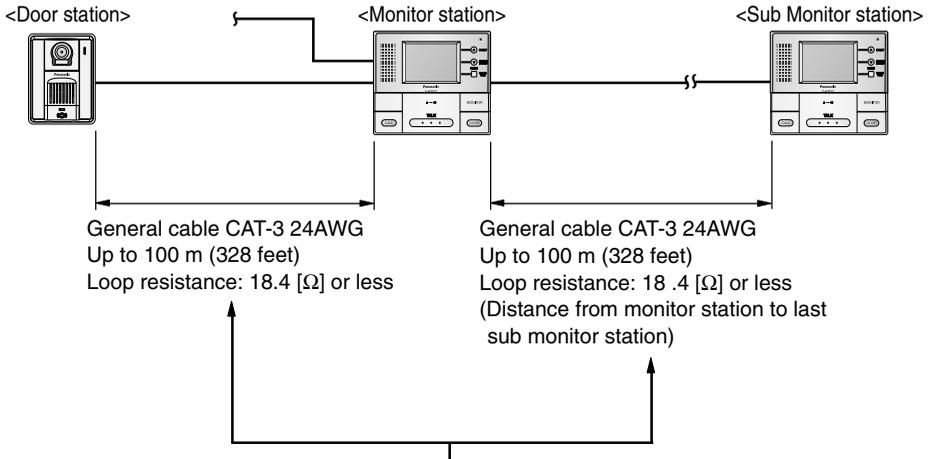
<Loop resistance>
• Connect one end and measure at the
 other end using a circuit tester.

Connection cable
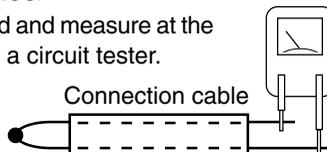
Introduction and Installation

● If branch wires are connected and they adversely affect images and sound or prevent operation, remove the branch wires from their source.

Branch wires (Incorrect)   **Branch wires** (Incorrect)

● When you experience a problem with the audio or video on a sub monitor station connected to a monitor station, please terminate unused pairs of wires to prevent noise from being introduced into the monitor station.
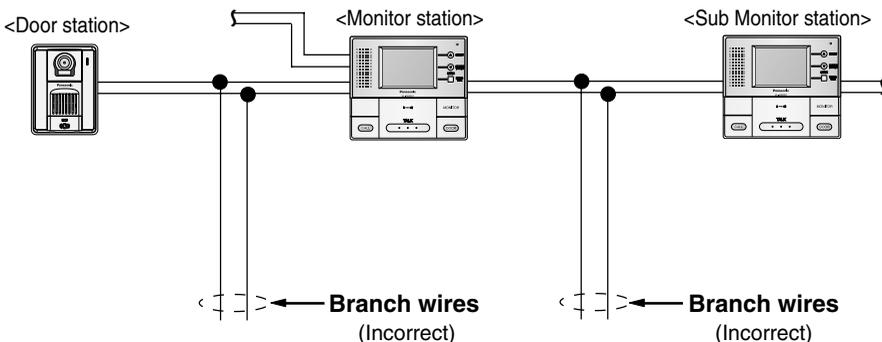This can be accomplished by doubling the wire pairs or using a resistor on each unused wire pair end to create a closed loop.

Unused wires (Incorrect)   **Unused wires** (Incorrect)

Connection cable   **Connection cable**

Connect the excess wire   or $120\ \Omega$ $120\ \Omega$ **Excess wire**
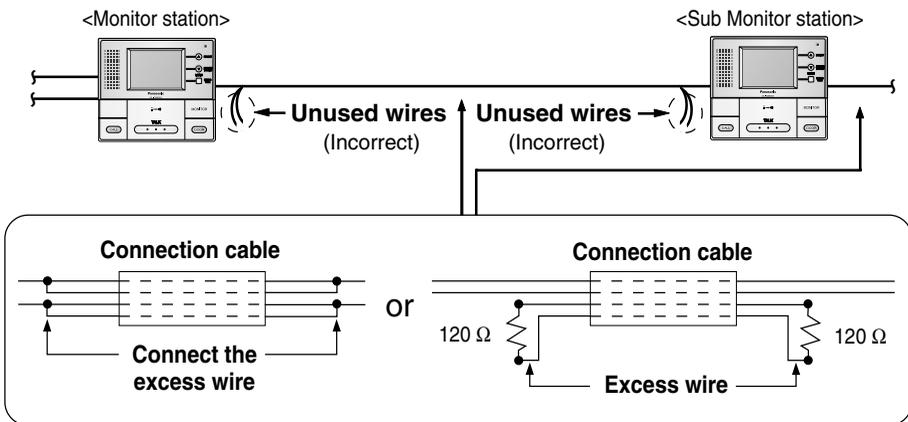
NOTE:
● Compatibility can vary depending on installation environment and wiring conditions, so please make a selection which corresponds with your situation.

● Do not connect sub monitor station using distributed wiring.
  – Make sure to run cable by daisy chain wiring method.

<Sub Monitor station>

<Monitor station>

(Incorrect)

<Sub Monitor station>
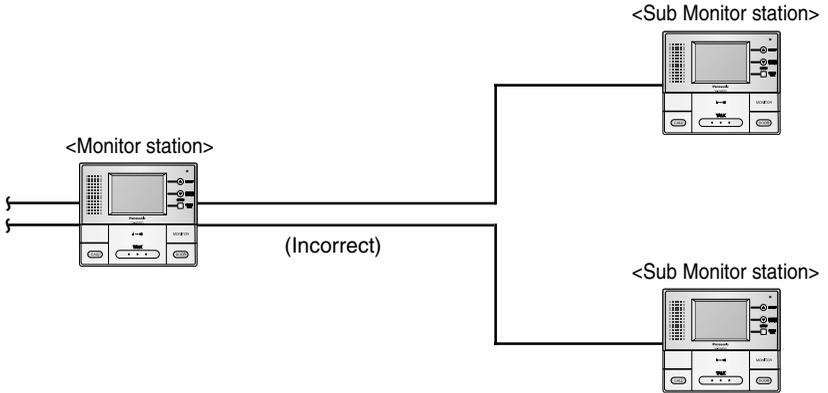
● Do not connect other sub monitor station in relay along the same route.
  – Make sure NOT to run the cable in pipes containing other cables.
    All cable/wire must be segregated by individual pipes.

<Sub Monitor station>

Same route
(Incorrect)

<Monitor station>

<Sub Monitor station>

13
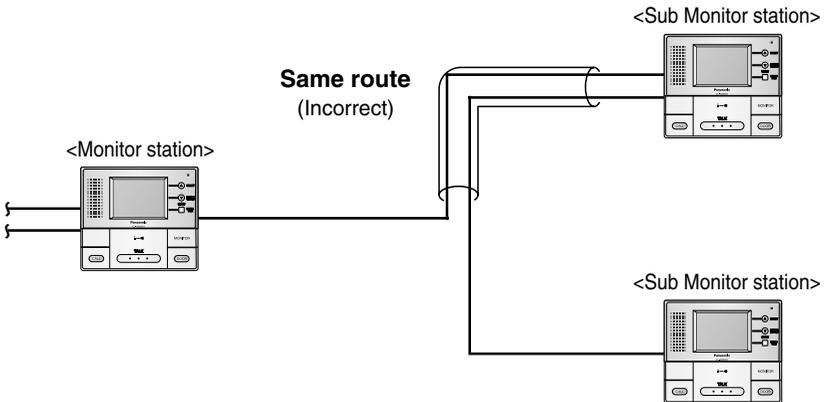
Wiring schematic diagram
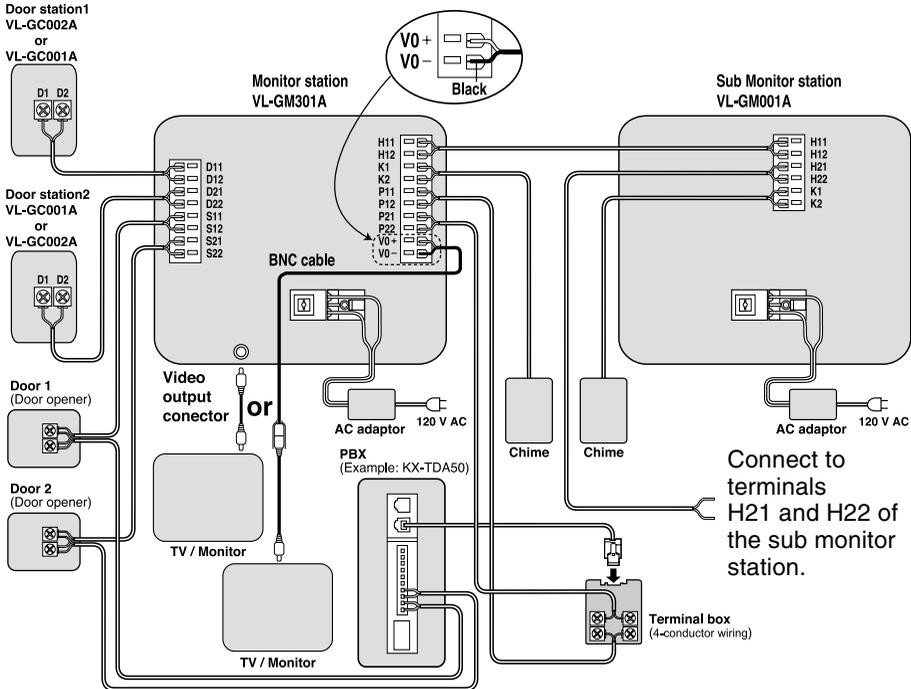
NOTE:

- This door opener and chime wiring schematic diagram is only an example.
  Refer to the wiring instructions provided with your door opener and chime and PBX for details.
- Refer to the technical data on page 49 when connecting to a door opener and chime.
- All connections are non polar. Except V0 + and V0 - terminal.
- After connecting the BNC cable with a BNC connector, slide the protective cover and protect the connector.

Power cable/wire type and distance

- Power cable (between the monitor station and the AC adaptor):
  Type: ø1.2 Fire alarm cable 16 AWG
  Distance: Maximum 30 m (about 98 feet)
- Wire (between the monitor station and the door station):
  Type: General cable CAT-3 24 AWG
  Distance: Maximum 100 m (about 328 feet)
  Loop resistance: 18.4 Ω or lower
- Wire (between the monitor station and the last sub monitor station):
  Type: General cable CAT-3 24 AWG
  Distance: Maximum 100 m (about 328 feet)
  Loop resistance: 18.4 Ω or lower
- Wire (between the monitor station and PBX):
  Type: General cable CAT-3 24 AWG
  Distance: Maximum 100 m (about 328 feet)

Installing the monitor station

1 Remove the monitor station from the box, and then remove the padding material from between the front case and the bottom case.

- The front case and the bottom case are not joined together, so be careful not to drop them when taking them out of the box.

Connector

Bottom case   Padding material

Front case
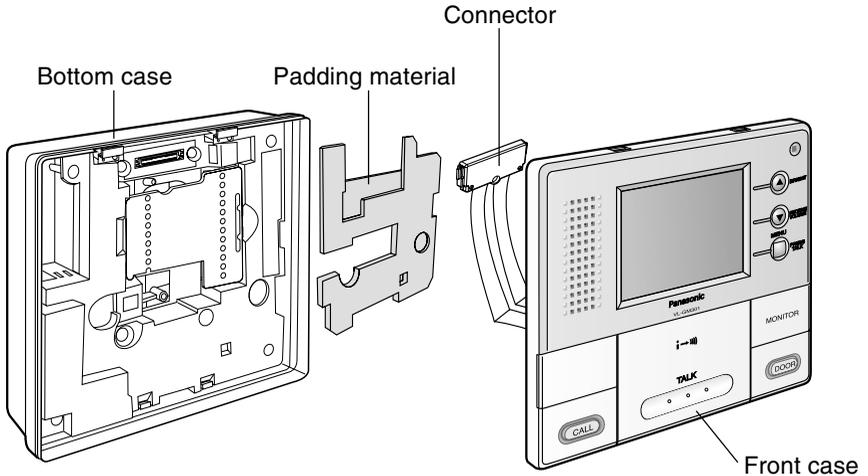
2 Remove the terminal cover.

terminal cover

Bottom case

15
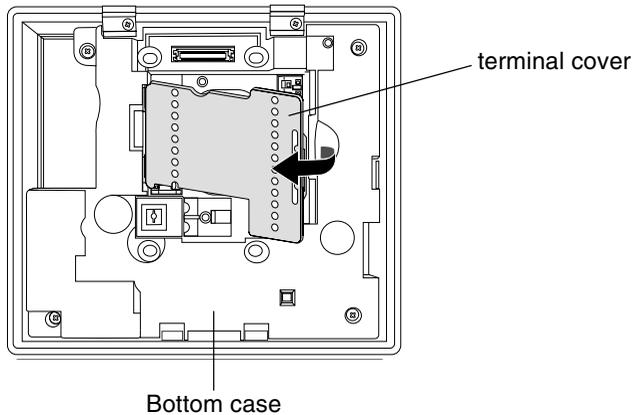
3 Install the bottom case to a wall using the wood screws
(4 mm x 35 mm, $\frac{3}{16}''$ x $1\frac{3}{8}''$).

- Before drilling, see page 10 for installation location.

Bottom case

Wood
Screws

Wall

<Installation size>

165 mm
(6 $\frac{1}{2}''$)

82.5 mm
(3 $\frac{1}{4}''$)

46 mm
(1 $\frac{13}{16}''$)

Hole

145 mm
(5 $\frac{11}{16}''$)

83.5 mm
(3 $\frac{5}{16}''$)

50 mm
(2'')

19.5 mm
($\frac{3}{4}''$)

12 mm
($\frac{15}{32}''$)

The center of the
monitor station.

72.5 mm
(2 $\frac{7}{8}''$)

7 mm
($\frac{9}{32}''$)

Monitor station

34 mm
(1 $\frac{11}{32}''$)

Floor surface
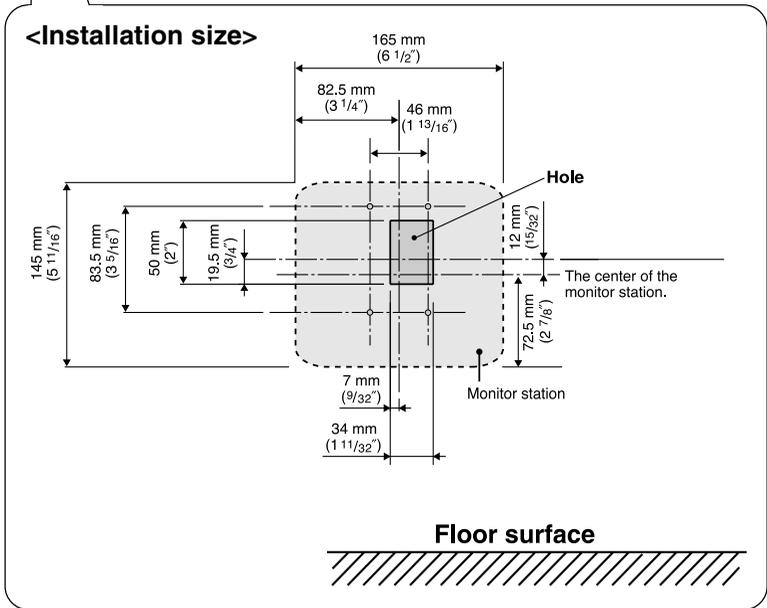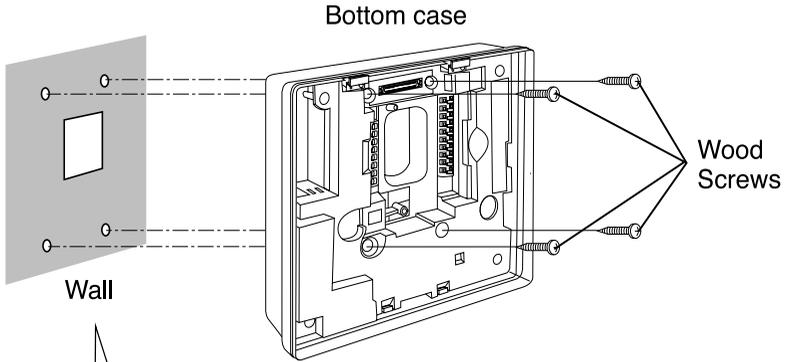
4 Attach the power cable to the terminal. See page 21 for details on how to attach the power cable.
- If you want to use your own power cable, see page 14 for the type and distance.

<Inside of main unit (bottom case)>

Terminal
(Non polar)

Power cable

Button
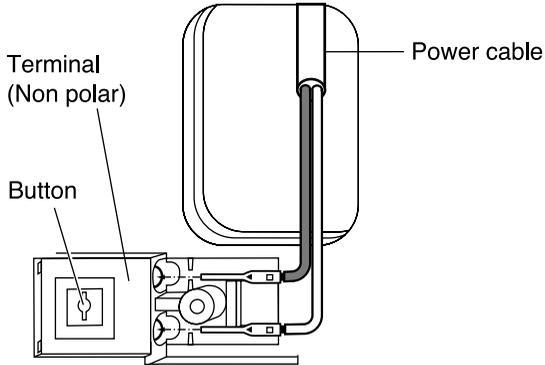
5 Attach the wires that connect to the door station to the terminal. See page 21 for details on how to attach the wires.
- See page 14 for the wire type and distance.
- See the wiring schematic diagram on page 14.

Terminal
(Non polar)

Stripped end of the wire

9 mm
($3/8''$)

Button

Wire
(Not included)

Power switch
- When the front case is attached, the power switch will be pressed and power will be supplied.

17
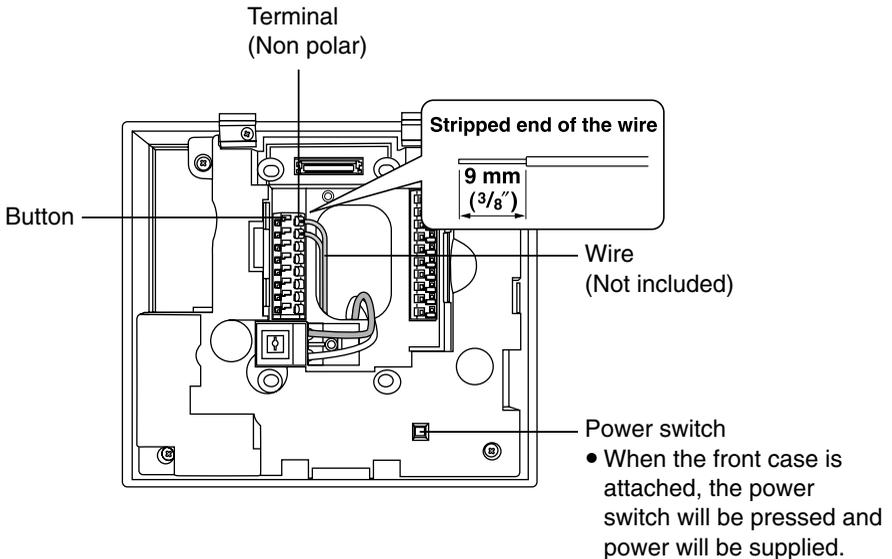
6 Remove the sheet covering the connector. Next, after installing the terminal cover in the bottom case, attach the connector by tightening the connector screw. Next, align the lower portion of the bottom case with the lower portion of the front case and press on the panel area just above the screen until the tabs lock in place.

Connector screw

⊕Screwdriver
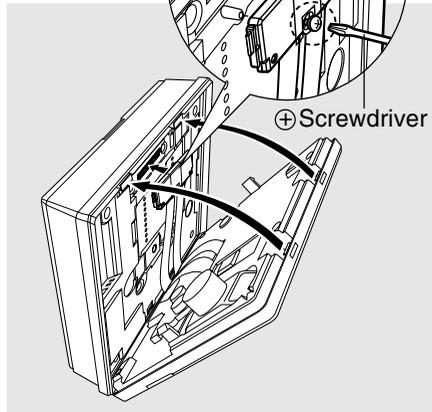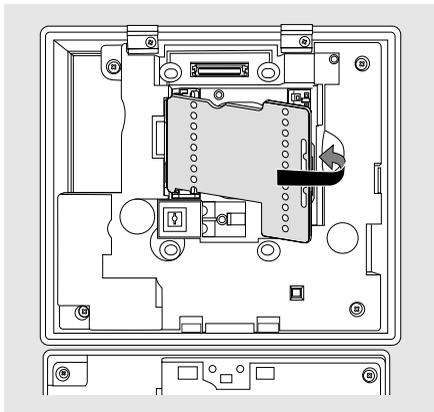
● Check that there are no scraps from the board or other debris in the connector before installing it.

■ **Remove the front case from the bottom case**

① While pushing the tabs at the top of the front case, pull the top of the front case forward to disengage the front tabs one by one, and then pull the top of front case forward to remove it.

Bottom case
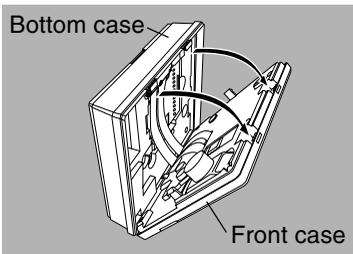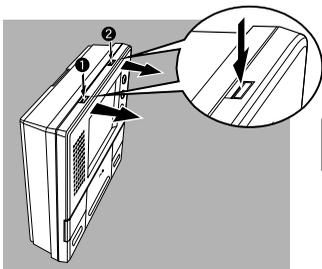
Front case

② Remove the connector screw, and then remove the connector.

⊕Screwdriver
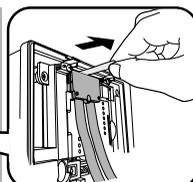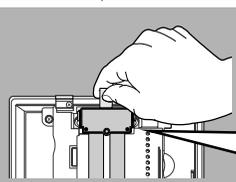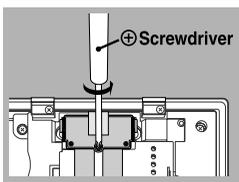
Do not pull the wire when removing the connector.

7 Take out the AC adaptor and the DC terminal from the case.
- Push the arrow mark on the front case, then release from the rear case.
- Take out the cardboard and wood screws. The wood screws are necessary when attaching the AC adaptor and the DC terminal to a wall (page 20).

Arrow mark

DC terminal   AC adaptor
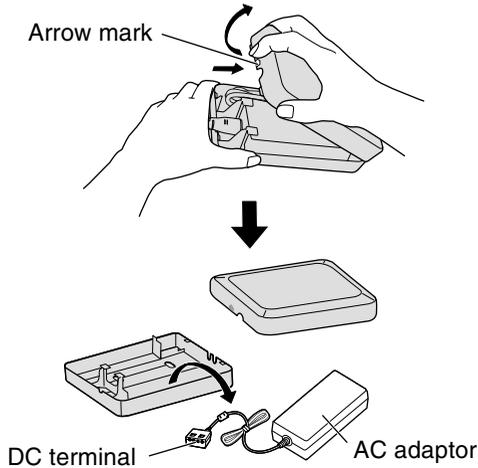
8 Connect the power cable to the DC terminal, the power cord to the AC adaptor, then connect the power cord to the AC outlet (100 V – 240 V, 50 Hz / 60 Hz).
- Be sure to connect the power cable to the 2 holes on the left side of the DC terminal.
- For details on how to attach the power cable, see page 21.

DC terminal   AC adaptor   Power cord

③ To AC outlet

Power cable

①

②
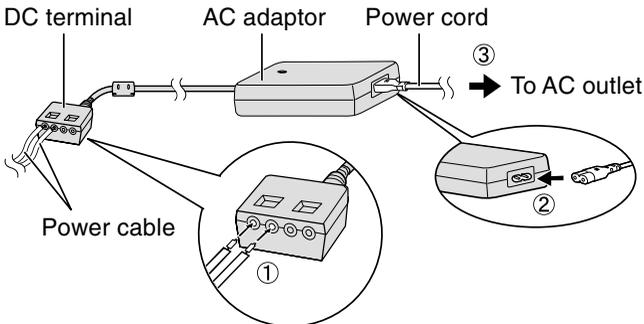
9 Attach the DC cord to the clamp on the rear of the DC terminal.
- This will help to avoid the DC cord to disconnect from the DC terminal.

DC terminal

DC cord

Clamp
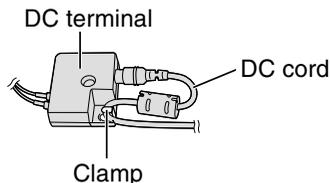
To attach the AC adaptor and the DC terminal to a wall
By placing the AC adaptor and the DC terminal in the case and mounting the case to the wall, you can protect the AC adaptor and the DC terminal from tampering and exposure.

Note:
- Disconnect the DC cord from the clamp on the rear of the DC terminal beforehand. See step 9 on page 19 for details.
- Take out the cardboard and wood screws from the AC case beforehand.

1 Attach the rear part of the case to a wall using the wood screws (4 mm x 16 mm, $^3/_{16}''$ x $^5/_8''$).

Case

83.5 mm
(3 $^5/_{16}''$)

Wood screws

Wall
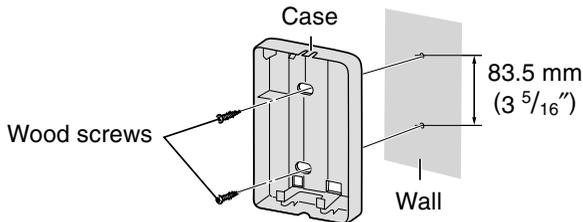
2 Pack the AC adaptor and DC terminal as shown.

① Pack the AC adaptor in the rear case.
- Be sure to run the power cord through the power cord hole.

② Pack the DC cord in the rear case.
- Be sure to bundle the DC cord so that it will not touch the bottom of the case.

③ Pack the DC terminal in the rear case.
- Be sure to run the wires through the wire hole, then under the wire rib.

Wire rib   Wire hole

③ DC terminal

① AC adaptor

② DC cord

Power cord hole   Power cord
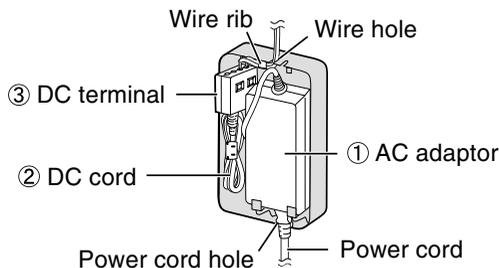
3 Attach the front of the case.

①

②
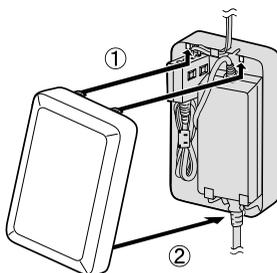
Note:
- To open the case again, push the bottom of the front case, then release from the rear case.
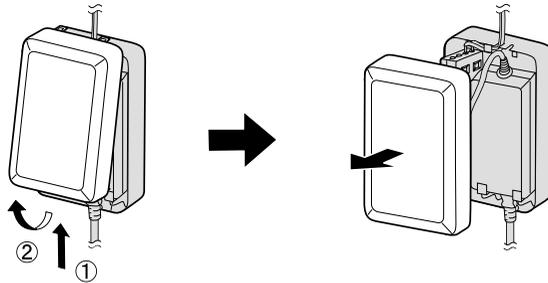
To attach the power cable

Monitor station   **DC terminal**

Button

Terminal connector
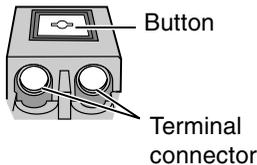
Button

Terminal connector
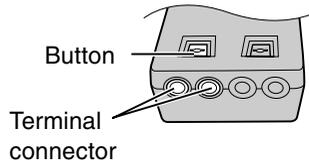
- While pressing on the button hard with a pointed object such as a screwdriver, insert the power cable into the terminal connector.
- To disconnect the power cable, press on the button hard while pulling out.
- To attach an optional power cable, cut off about 12 mm ($^1/_2''$) of the cable cover (①), then push in firmly until the end of the cable is securely inserted into the power connection terminal (②).

① 12 mm ($^1/_2$")
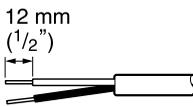
② Power cable cross section

Correct   **Incorrect**

To attach the wires
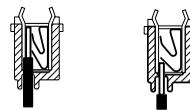
Button   Terminal connector
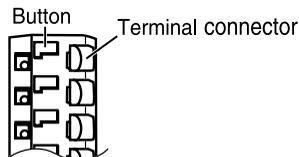
- Strip off of the wire cover so that about 9 mm ($^3/_8''$) of the wire is exposed.
- While pressing on the button with a pointed object such as a screwdriver, insert the wire into the terminal connector.
- To disconnect a wire, press on the button while pulling out.

Connecting to a PBX

Connecting to a PBX allows you to answer door calls from any telephone. See page 14 for wiring information.
Please use only a Panasonic PBX. See page 8 for the PBX model list that is compatible and other optional hardware.

Important:
● At first, set "PBX SELECT" to "ON" in the menu settings. (Page 40)

【SELECT (▲) 】
【SELECT (▼) 】
【MENU】

MONITOR
TALK
CALL
DOOR

Panasonic
VL-GM301
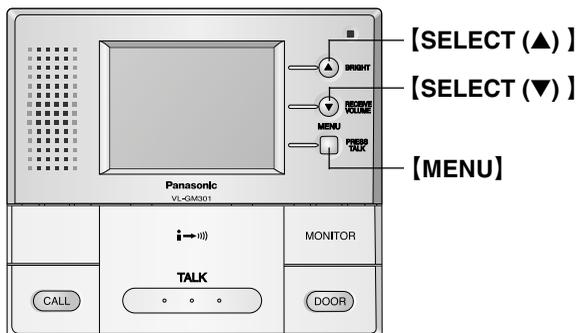
Note:
● If you answer a call from the door station with a PBX extension, the camera image from the door station will be displayed at the monitor station. If the monitor station user tries to answer the call, a beep will sound. The display will turn off when the conversation has ended or when the conversation has continued for more than 3 minutes.
● If you answer a call from the door station with the monitor station, the call will continue to ring at the PBX for about 15 to 30 seconds. If the PBX user answers the call while the call is still ringing, the door station user, the monitor station user, and the PBX user can speak together.

Before using the unit

All the safety and Installation and Operation Guide should be read before the appliance is operated. All operating and use instructions should be followed.

On-screen Displays

The following character displays and icon displays appear on the screen of the monitor station/sub monitor station.
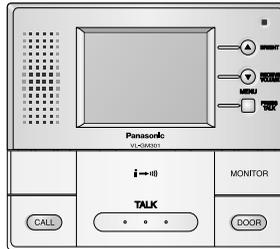
■ When no images are being displayed
  ● **The calling/talking status and the call operations for the indoor unit are shown as icons.**

If an indoor unit receives a call, the characters flash.

The characters lights steadily while talking between indoor units is in progress.

■ When images are being taken
  ● **The talking status is shown using characters and icons.** (Top right of screen.)

These light steadily when carrying out a hand-free conversation.
  –))) shows the direction of talking.
  ● The conversation method indicted may also change as a result of ambient noise.
  ● If you change to a press-to-talk conversation, the icon will change to "PT".

  ● **The camera in use is shown using characters.** (Top right of screen.)
CAM1 CAM2
When watching what is happening outside the door, the display lights steadily. When there is a call from a door station, the display flashes.
  ● When talking with the door station via PBX: PBX1 PBX2

  ● **If a call operation overlap in timing, this is shown using icons.**
    (Bottom right of screen.)

Lights steadily when there is a call from another door station.

Lights steadily when there is a call to or from an indoor unit.

Note:
● Indoor unit refers to the monitor station and sub monitor station.

Brightness setting / Talk volume setting

【BRIGHT】
/ 【SELECT (▲) 】

【SELECT (▼) 】
/ 【RECEIVE VOLUME】

【MENU】

Panasonic
VL-GM301

CALL ⠀ **TALK** ⠀ **MONITOR** ⠀ **DOOR**
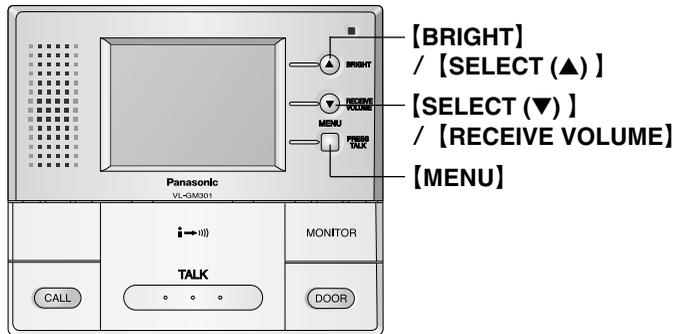
■ Brightness setting
(Default setting is "0".)

You can set the brightness for images that are being displayed from a door station (when talking a visitor or monitoring the scene outside the door).

1 While images are appearing on the screen.

2 Press 【**BRIGHT (▲)**】 .

3 Press 【**SELECT (▲ / ▼)**】 to select the brightness.

<Brightness setting screen>

The brightness can be set in 5 steps ("-2" to "+2").

– The screen brightness becomes darker when the setting changes in the [-] direction, and brighter when the setting changes in the [+] direction.

4 When the setting is complete, press 【**MENU**】 .
<Setting complete>

■ Receive volume setting
(Default setting is "MID".)

You can set the volume while talking with someone at a door station or monitor station and sub monitor station.

1 While talking to someone at a door station.

2 Press 【**RECEIVE VOLUME (▼)**】 .

3 Press 【**SELECT (▲ / ▼)**】 to select the receive volume.

<Receive volume setting screen while images are appearing>

The receive volume can be set in 3 steps ("LOW" to "HIGH").

– The receive volume becomes lower when the setting moves towards "LOW", and higher when the setting moves towards "HIGH".

4 When the setting is complete, press 【**MENU**】 .
<Setting complete>

● The receive volume setting can also be set using the menu screen. (Page 36)

Note:
● If you do not carry out any operations for about 5 seconds, the brightness setting and receive volume setting will be completed. When this happens, the setting will be maintained until the current conversation or image display is finished, and then it will return to the previous setting.

Answering a door call using the monitor station

There are 2 ways to answer a door call using the monitor station. Select the desired mode by changing the "COMMUNICATION" setting in the menu settings. (Page 44)

Important:
● When speaking with a caller, speak in turns. If you and the caller speak at the same time, you will not hear each other.

【BRIGHT】

【PRESS TALK】

【TALK】

Panasonic
VL-GM301

MONITOR
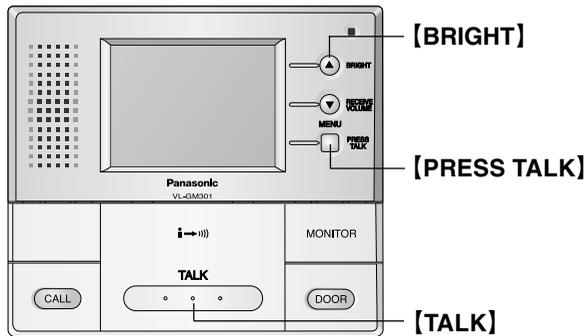
TALK

CALL

DOOR

Available answer modes

■ 【**PUSH**】 mode (Push to talk mode)

1 When a call is received from the door station, press 【**TALK**】 .

2 Speak to the visitor.

3 To end the conversation, press 【**TALK**】 .
  ● The display will turn off.

Note:
● If the door station is installed in a noisy environment, 【**PUSH**】 mode may not function properly.

■ 【**HOLD**】 mode (Press to talk mode)

1 When a call is received from the door station, press and hold 【**TALK**】 to speak to the caller.
  ● A beep will sound and the "PT" will light.

2 To listen to the visitor, release 【**TALK**】 .

3 To speak again, press and hold 【**TALK**】 .

4 To end the conversation, tap 【**TALK**】 .

● Make sure you speak to the caller only while pressing 【**TALK**】 and release
  【**TALK**】 when you have stopped speaking so that the caller can speak to you.

Note:
● Make sure you are within about 50 cm (20 inches) of the monitor station.
● While the display is on, you can press 【**BRIGHT**】 to select the desired brightness.
● If you do not answer a door call within 30 seconds, the display will turn off. If you press 【**TALK**】 , the display will turn on again, and you can talk to the visitor.
● The conversation will be automatically disconnected in about 1 minute and 30 seconds (about 1 minute in 【**HOLD**】 mode). To resume the conversation, press 【**TALK**】 .
● At night or when there is not enough lighting in the doorway, the display will be shown in black and white.
● Please push 【**PRESS TALK**】 when you want to change to 【**HOLD**】 mode in 【**PUSH**】 mode. "PT" will be displayed in LCD and it becomes 【**HOLD**】 mode. It returns to the setting of 【**PUSH**】 mode after end of talk.

Monitoring the outside (The procedure is the same for a sub monitor station.)

You can monitor the sound and camera image from the door station for up to 1 minute at a time.

【BRIGHT】

【MONITOR】

【TALK】
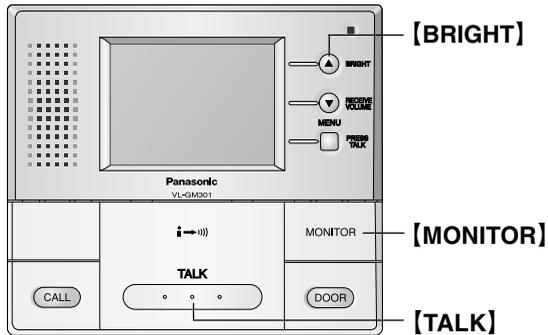
1 Press 【MONITOR】 .
- ● The outside image will be shown on the display, and the outside sound will be heard. The inside sound will not be heard at the door station.
- ● If necessary, press 【BRIGHT】 to select the desired brightness. (Page 24)

■ If 【MONITOR】 on another monitor station and sub monitor station is pressed while you are viewing the scene outside the door ...
– The images will disappear, and the images will appear and sound will be heard at the other monitor station and sub monitor station.
(Last button pressed has priority)

■ To switch camera images on the monitor screen ...
The cameras switch each time 【MONITOR】 is pressed, and the images from the currently-selected camera number will appear on the screen.

Camera 1 → Camera 2

Unconnected cameras are skipped

No images

2 To end monitoring, press 【MONITOR】 .
- ● Even if you do not press 【MONITOR】 , monitoring will automatically end in about 1 minute.

Note:
- ● While you are monitoring, calls from the door station will not be heard.
- ● To talk to the visitor while monitoring, press 【TALK】 .

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When connecting expansion units

【SELECT (▲)】
【SELECT (▼)】
【MENU】
【CALL】
【TALK】
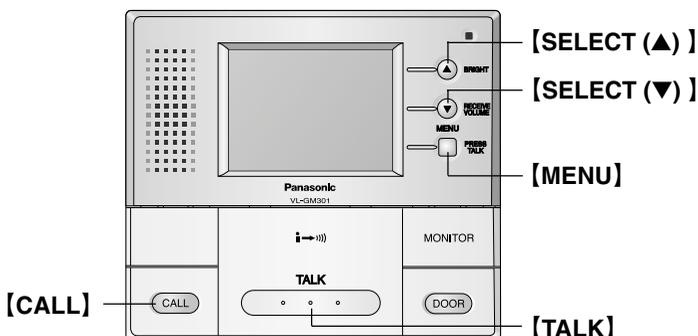
- While one monitor station and sub monitor station is being used, other monitor station and sub monitor station cannot be used.
- Monitor station and sub monitor station can be divided into groups and be called by group. (Pages 30, 41)

■ When talking between monitor station and sub monitor station (Press-to-talk cannot be used)

<Monitor station>   <Sub Monitor station>

1 Press 【CALL】.

2 Press one of the buttons to the right of the screen in accordance with the screen display.
After the calling tone sounds, make the call.

A short BEEP will tone.

3 Wait for an answer, and then talk.

Press 【TALK】 and then talk.

4 When the conversation is finished:
Press 【TALK】.
<The conversation ends.>

- The conversation will end even if 【TALK】 on the sub monitor station is pressed.

- If there is no answer within 1 minutes after you call, the call will be canceled.

If the following happens:
- When you call another unit, the message "OTHER INTERCOM IS USING IT" is displayed and a series of short beeps are heard.

The other unit is being used. Wait a while and then call again.

- A call comes from a door station while you are talking.

A ringer tone will be heard, so you can press 【TALK】 to end your conversation, and then press 【TALK】 again to talk with the person at the door station.

■ To transmit a conversation with someone at a door station to another room

<Monitor station>   <Sub Monitor station>

1 While talking with someone at the door station.

2 Press 【**CALL**】 .

• When you press the Indoor 【**CALL**】 , the conversation with the person at the door station will be disconnected.

3 Press one of the buttons to the right of the screen in accordance with the screen display.
After the calling tone sounds, make the call.

▶ A short BEEP will tone.

4 Wait for an answer, and then talk.

◀ Press 【**TALK**】 and then talk.

5 When the conversation is finished:
Press 【**TALK**】 .
<The conversation ends.>

▶ • The conversation will end even if 【**TALK**】 on the sub monitor station is pressed.

6 Press 【**TALK**】 and then talk to the person at the door station.

7 When the conversation is finished:
Press 【**TALK**】 .
<The conversation ends.>

■ Screen display and call buttons when the Indoor 【**CALL**】 is pressed

Screen

INDOOR-CALL (A)
INDOOR-CALL (B)
INDOOR-CALL (A+B)

Indoor A + B group call button
Indoor B group call button
Indoor A group call button

29

Using by groups

【CALL】
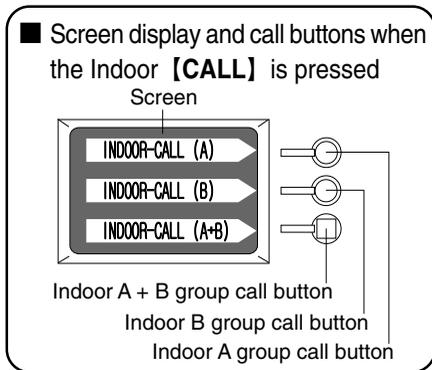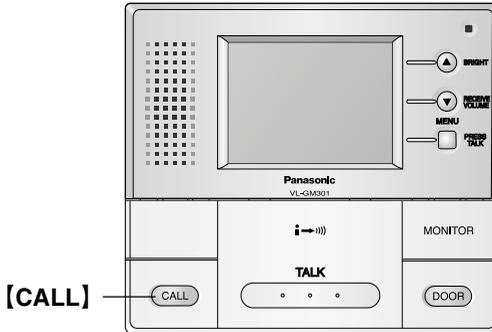
■ Settings before use

● **Monitor station and sub monitor station settings
(Default settings are all "Group A".)**

Make the settings separately for each monitor station and sub monitor station
using the indoor group settings in the menu. (Page 41)

● Group A and group B cannot both be used at the same time.

● **Camera settings (Default settings are all "ON".)**

Make the settings separately for each monitor station and sub monitor station by
selecting the cameras in the menu. (Pages 42, 43)

■ When calling the monitor station and sub monitor station

(The procedure is the same for a sub monitor station.)

After pressing 【CALL】 ...

Press one of the buttons to the right of the screen in accordance with the screen
display.

(After the calling tone sounds, make the call.)

Screen
Indoor A group
call button
Indoor B group
call button
ALL (A)
ALL (B)
ALL (A+B)
Indoor A + B group
call button
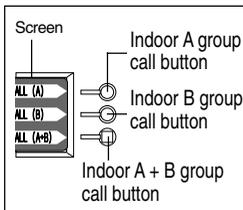
● **Calling tone**

Same group: Two beeps (approximately 2 seconds)
Other group: Arpeggio (approximately 3 seconds)
● If you call both groups together, the tones for
both groups will sound.

■ Calling from a door station

When the Ringer button at a door station is pressed ...

● If the call is from door station 1
– The call will be transferred to the monitor station and sub monitor station that
have camera 1 set to "ON" and talking will be possible.

● If the call is from door station 2
– The call will be transferred to the monitor station and sub monitor station that
have camera 2 set to "ON" and talking will be possible.

Opening a door (door opener)

You can open the door using the monitor station and sub monitor station (a separate door opener is required).
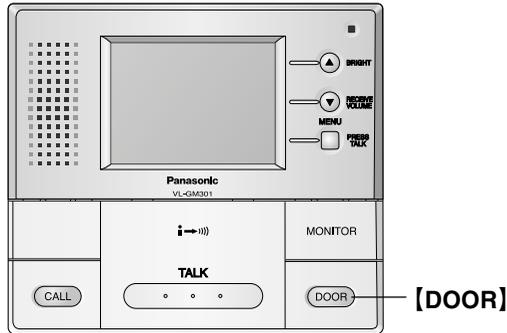
1 While the display is on, press and hold 【DOOR】.
- Up to 2 door opener may be connected. (Page 14) When the monitor station receives a call from door station1, pressing 【DOOR】 with the door station1 image displayed activates the opener of door station1. Likewise, if the call is from door station2, pressing 【DOOR】 activates the opener of door station2.

Note:
- See page 14 for wiring information.

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Monitor station/Sub Monitor station screen configuration

(The displays shown for each screen are the default displays.)
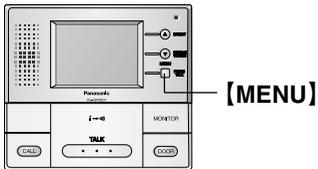
【MENU】

When 【MENU】 is pressed, the MENU (1/4) screen is displayed.
After this, follow the instructions appearing on the screen to carry out the various operations and settings.

● Refer to the reference pages for each screen for details.

MENU (1/4) screen
(Pages 36 – 37)

MENU(1/4)
RECEIVE VOLUME
RINGER VOLUME
▼▲:SEL. MENU:SET TALK:EXIT

RECEIVE VOLUME
(Page 36)

RECEIVE VOLUME
MID
▼▲:SEL. MENU:SET TALK:EXIT

MENU (2/4) screen
(Pages 38 – 40)

MENU(2/4)
RINGER SELECT
PBX SELECT
▼▲:SEL. MENU:SET TALK:EXIT

● The sub monitor station does not have a "RINGER SELECT" and "PBX SELECT" setting.

MENU (3/4) screen
(Pages 41 – 44)

MENU(3/4)
GROUP SETUP
CAMERA SELECT
COMMUNICATION
▼▲:SEL. MENU:SET TALK:EXIT

GROUP SETUP
(Page 41)

GROUP SETUP
GROUP A
GROUP B
▼▲:SEL. MENU:SET TALK:EXIT

MENU (4/4) screen
(Pages 45 – 46)

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT

CONTACT CLOSURE
(Page 45)

CONTACT CLOSURE
10SEC.
▼▲:SEL. MENU:SET TALK:EXIT

■ Sub Monitor station menu screen
• The sub monitor station does not have a "RINGER SELECT" and "PBX SELECT" setting.

MENU(1/3)
RECEIVE VOLUME
RINGER VOLUME
▼▲:SEL. MENU:SET TALK:EXIT

MENU(2/3)
GROUP SETUP
CAMERA SELECT
COMMUNICATION
▼▲:SEL. MENU:SET TALK:EXIT

MENU(3/3)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT

RINGER VOLUME
(Page 37)

RINGER VOLUME
HIGH
LOW
OFF
▼▲:SEL. MENU:SET TALK:EXIT

RINGER SELECT
(Pages 38, 39)

RINGER SELECT
CAMERA1:BELL1
CAMERA2:BELL2
BACK
▼▲:SEL. MENU:SET TALK:EXIT

CAMERA1 RINGER SELECT
BELL1   MELODY1
BELL2   MELODY2
         MELODY3
▼▲:SEL. MENU:SET TALK:EXIT

CAMERA2 RINGER SELECT
BELL1   MELODY1
BELL2   MELODY2
         MELODY3
▼▲:SEL. MENU:SET TALK:EXIT

PBX SELECT
(Pages 40)

PBX SELECT
ON
OFF
▼▲:SEL. MENU:SET TALK:EXIT

CAMERA SELECT
(Pages 42, 43)

CAMERA SELECT
CAMERA1:ON
CAMERA2:ON
BACK
▼▲:SEL. MENU:SET TALK:EXIT

CAMERA1 SELECT
ON
OFF
▼▲:SEL. MENU:SET TALK:EXIT

CAMERA2 SELECT
ON
OFF
▼▲:SEL. MENU:SET TALK:EXIT

COMMUNICATION
(Page 44)

COMMUNICATION
PUSH-TO-TALK
PRESS-TO-TALK
▼▲:SEL. MENU:SET TALK:EXIT

INITIALIZATION
(Page 46)

DOSE IT RETURN TO
INITIAL SETTING?
YES
NO
▼▲:SEL. MENU:SET TALK:EXIT

Display the menu screen and then make the settings

【SELECT (▲) 】
【SELECT (▼) 】
【MENU】
【TALK】

1 Press 【**MENU**】 .

2

| MENU(1/4) |
| RECEIVE VOLUME |
| RINGER VOLUME |
| ▼▲:SEL. MENU:SET TALK:EXIT |
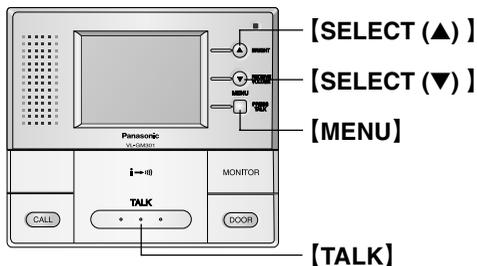
Cursor

The "MENU (1/4)" screen will be displayed.

3 ■ Moving the cursor

Each time you press 【**SELECT** (▼)】 , the cursor moves down.
Each time you press 【**SELECT** (▲)】 , the cursor moves up.

● **When the cursor is at the lowest row or the highest row, the menu screen
will change when you press 【SELECT (▼/▲) 】 again.**

| MENU(1/4) |
| RECEIVE VOLUME |
| RINGER VOLUME |
| ▼▲:SEL. MENU:SET TALK:EXIT |

press
【**SELECT** (▼)】 .

| MENU(2/4) | Cursor |
| RINGER SELECT |
| PBX SELECT |
| ▼▲:SEL. MENU:SET TALK:EXIT |

| MENU(2/4) |
| RINGER SELECT |
| PBX SELECT |
| ▼▲:SEL. MENU:SET TALK:EXIT |

press
【**SELECT** (▲)】 .

| MENU(1/4) | Cursor |
| RECEIVE VOLUME |
| RINGER VOLUME |
| ▼▲:SEL. MENU:SET TALK:EXIT |
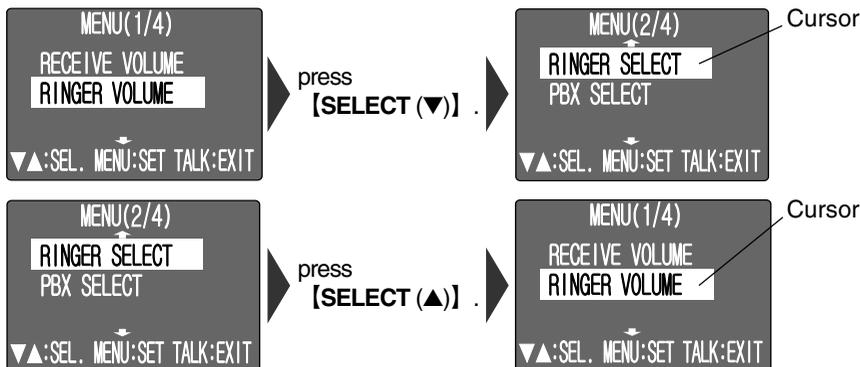
4 Move the cursor to the desired item and then Press 【**MENU**】 .

5 ■ Make the setting

● RECEIVE VOLUME : page 36   ● CAMERA SELECT : pages 42, 43
● RINGER VOLUME : page 37   ● COMMUNICATION : page 44
● RINGER SELECT : pages 38, 39   ● CONTACT CLOSURE : page 45
● PBX SELECT : page 40   ● INITIALIZATION : page 46
● GROUP SETUP : page 41

6

```
      MENU(1/4)

  RECEIVE VOLUME
  RINGER VOLUME


▼▲:SEL. MENU:SET TALK:EXIT
```

Once the setting is complete, Press 【**MENU**】.
(The display will return to the menu screen.)
<This completes the setting.>

● For some screen, you should move the cursor to
  "BACK" and then press 【**MENU**】 to return to the
  menu screen.

● **To make another setting, repeat steps 3 to 6.**

7

```
      MENU(4/4)
  CONTACT CLOSURE
  INITIALIZATION
  MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT
```
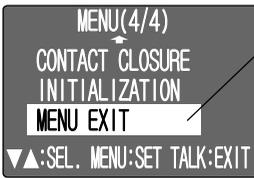
Cursor

Press 【**SELECT** (▼)】 to move the cursor to
"MENU EXIT".

8
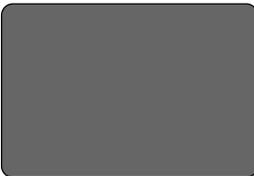
Press 【**MENU**】.
<This completes the menu settings.>

● **You can cancel (end) a menu setting by pressing 【TALK】 while making
the menu setting.**

Note:

● If you do not carry out any operation for approximately 5 minutes while a menu
screen/setting screen is displayed, the screen will disappear automatically and
the setting will end.

– Some settings will return to the previous settings.

● If a call comes from a door station or from the monitor station and sub monitor
station while you are making a menu setting, the menu setting will automatically
end.

Setting the receive volume (Default setting is "MID".)

This sets the receive volume for the door station and the monitor station or sub monitor station.

【**SELECT (▲)** 】
【**SELECT (▼)** 】
【**MENU**】

1

MENU(1/4)

RECEIVE VOLUME
RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT

Cursor

Press 【**MENU**】 .
(The "MENU (1/4)" screen will be displayed.)

2

RECEIVE VOLUME

MID

▼▲:SEL. MENU:SET TALK:EXIT
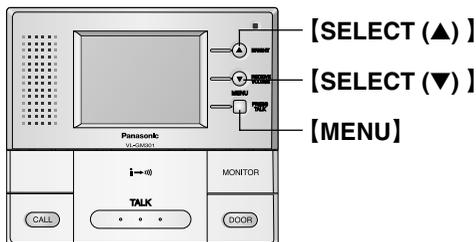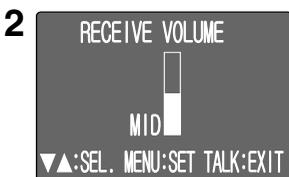
Check that the cursor is positioned at
"RECEIVE VOLUME", and then press 【**MENU**】 .
(The "RECEIVE VOLUME" screen will be displayed.)

3 Press 【**SELECT** (▲/▼)】 to adjust the receive volume.
  • The setting can be made in 3 steps from "LOW" to "HIGH".

4

MENU(1/4)

RECEIVE VOLUME
RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT

Once the receive volume setting has been made,
press 【**MENU**】 .
(The display will return to the "MENU (1/4)" screen.)
<This completes the setting.>

5 ■ To continue making further settings ...
  Move the cursor to the desired item, and press 【**MENU**】 .
  (Refer to step 5 on page 35.)

  ■ To complete the settings ...

MENU(4/4)

CONTACT CLOSURE
INITIALIZATION
MENU EXIT

▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT** (▼)】 to return to the "MENU (4/4)"
screen, and then move the cursor to "MENU EXIT"
and press 【**MENU**】 .

Setting the ringer volume (Default setting is "HIGH".)

This sets the ringer volume for the door station and the monitor station or sub monitor station.

【SELECT (▲) 】

【SELECT (▼) 】

【MENU】

1

```
     MENU(1/4)
  RECEIVE VOLUME
  RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT
```
Cursor

Press 【**MENU**】.
(The "MENU (1/4)" screen will be displayed.)

2

```
     MENU(1/4)
  RECEIVE VOLUME
  RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT
```

Press 【**SELECT** (▼)】 to move the cursor to "RINGER VOLUME".

3

```
   RINGER VOLUME
       HIGH
       LOW
       OFF
▼▲:SEL. MENU:SET TALK:EXIT
```

Press 【**MENU**】.
(The "RINGER VOLUME" screen will be displayed.)

4 Press 【**SELECT** (▲/▼)】 to adjust the ringer volume.
 • The setting can be made in 3 steps from "OFF" to "HIGH".

5

```
     MENU(1/4)
  RECEIVE VOLUME
  RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT
```

Once the ringer volume setting has been made, press 【**MENU**】.
(The display will return to the "MENU (1/4)" screen.)
<This completes the setting.>

6 ■ To continue making further settings ...
 Move the cursor to the desired item, and press 【**MENU**】.
 (Refer to step 5 on page 35.)

 ■ To complete the settings ...

```
     MENU(4/4)
  CONTACT CLOSURE
  INITIALIZATION
  MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT
```

Press 【**SELECT** (▼)】 to return to the "MENU (4/4)" screen, and then move the cursor to "MENU EXIT" and press 【**MENU**】.

Selecting the ringer

(Default settings are "CAMERA1: BELL1" and "CAMERA2: BELL2".)
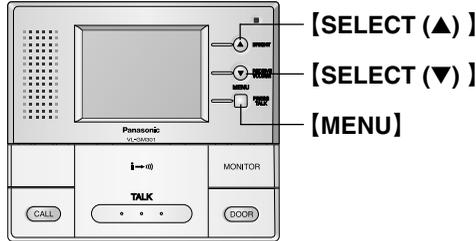
This selects the ringer tone for CAMERA1 and CAMERA2.

【SELECT (▲) 】

【SELECT (▼) 】

【MENU】

1

MENU(1/4)

RECEIVE VOLUME
RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT

Cursor

Press **【MENU】** .
(The "MENU (1/4)" screen will be displayed.)

2

MENU(2/4)

RINGER SELECT
PBX SELECT

▼▲:SEL. MENU:SET TALK:EXIT

Press **【SELECT (▼)】** to move the cursor to
"RINGER SELECT".

3

RINGER SELECT

CAMERA1:BELL1
CAMERA2:BELL2
BACK

▼▲:SEL. MENU:SET TALK:EXIT

Press **【MENU】** .
(The "RINGER SELECT" screen will be displayed.)

4 Press **【SELECT (▲/▼)】** to move the cursor to the camera for the ringer tone
you would like to select.

5

CAMERA1 RINGER SELECT

BELL1   MELODY1
BELL2   MELODY2
            MELODY3

▼▲:SEL. MENU:SET TALK:EXIT

Press **【MENU】** .
(The "RINGER SELECT" screen for the
corresponding
 camera will be displayed.)

38

6 Press 【**SELECT** (▲/▼)】 to move the cursor to the tone you would like to select.

7

```
RINGER SELECT
CAMERA1:BELL1
CAMERA2:BELL2
BACK
▼▲:SEL. MENU:SET TALK:EXIT
```

Press 【**MENU**】.
• The selected ringer will sound.
(The display will return to the "RINGER SELECT" screen.)
<This completes the setting.>

8 To select ringer tone, repeat steps 4 to 7.

9

```
RINGER SELECT
CAMERA1:BELL1
CAMERA2:BELL2
BACK
▼▲:SEL. MENU:SET TALK:EXIT
```

Once you have selected the ringer tone, press 【**SELECT** (▼)】 to move the cursor to "BACK".

10

```
MENU(2/4)
RINGER SELECT
PBX SELECT
▼▲:SEL. MENU:SET TALK:EXIT
```

Press 【**MENU**】.
(The "MENU (2/4)" screen will be displayed.)

11 ■ To continue making further settings ...
Move the cursor to the desired item, and press 【**MENU**】.
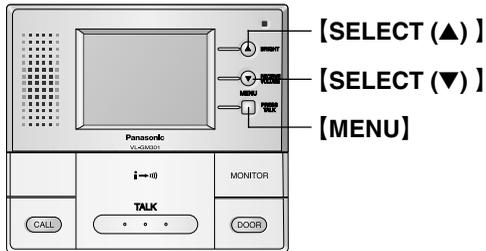(Refer to step 5 on page 35.)

■ To complete the settings ...

```
MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT
```

Press 【**SELECT** (▼)】 to return to the "MENU (4/4)" screen, and then move the cursor to "MENU EXIT" and press 【**MENU**】.

39

Selecting the PBX (Default setting is "ON".)

This select the PBX for the door calls from any telephone.

【SELECT (▲) 】

【SELECT (▼) 】

【MENU】

1

MENU(1/4)
RECEIVE VOLUME
RINGER VOLUME
▼▲:SEL. MENU:SET TALK:EXIT

Cursor

Press 【**MENU**】.
(The "MENU (1/4)" screen will be displayed.)

2

MENU(2/4)
RINGER SELECT
PBX SELECT
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT** (▼)】 to move the cursor to "PBX SELECT".

3

PBX SELECT
ON
OFF
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**MENU**】.
(The "PBX SELECT" screen will be displayed.)

4 Press 【**SELECT** (▲/▼)】 to move the cursor to "ON" or "OFF".
  • ON : PBX is used.
  • OFF: PBX is not used.

5

MENU(2/4)
RINGER SELECT
PBX SELECT
▼▲:SEL. MENU:SET TALK:EXIT

Once the PBX setting has been made,
press 【**MENU**】.
(The display will return to the "MENU (2/4)" screen.)
<This completes the setting.>

6 ■ To continue making further settings ...
Move the cursor to the desired item, and press 【**MENU**】.

  ■ To complete the settings ...

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT** (▼)】 to return to the "MENU (4/4)" screen, and then move the cursor to "MENU EXIT" and press 【**MENU**】.

40

Setting monitor station or sub monitor station into groups (Default setting is "Group A".)
Use this when you would like to separate monitor station or sub monitor station into groups for use.

【SELECT (▲)】

【SELECT (▼)】

【MENU】

1

MENU(1/4)

RECEIVE VOLUME
RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT

Cursor

Press **【MENU】** .
(The "MENU (1/4)" screen will be displayed.)

2

MENU(3/4)

GROUP SETUP
CAMERA SELECT
COMMUNICATION

▼▲:SEL. MENU:SET TALK:EXIT

Press **【SELECT (▼)】** to display the "MENU (3/4)" screen, and then move the cursor to "GROUP SETUP".

3

GROUP SETUP

GROUP A
GROUP B

▼▲:SEL. MENU:SET TALK:EXIT

Press **【MENU】** .
(The "GROUP SETUP" screen will be displayed.)

4 Press **【SELECT (▲/▼)】** to move the cursor to the group you would like to select.

5

MENU(3/4)

GROUP SETUP
CAMERA SELECT
COMMUNICATION

▼▲:SEL. MENU:SET TALK:EXIT

Once the group setting has been made, **【MENU】** .
(The display will return to the "MENU (3/4)" screen.)
<This completes the setting.>

6 ■ To continue making further settings ...
Move the cursor to the desired item, and press **【MENU】** .
(Refer to step 5 on page 35.)
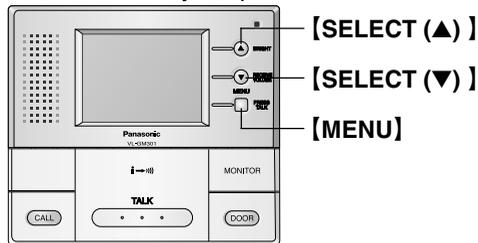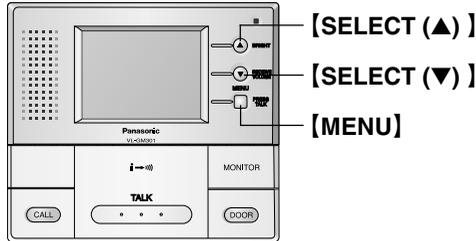
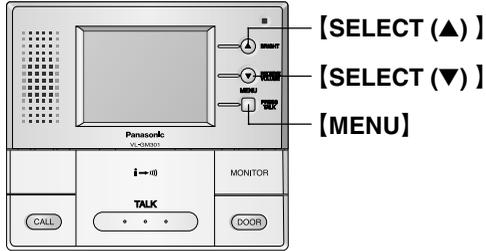■ To complete the settings ...

MENU(4/4)

CONTACT CLOSURE
INITIALIZATION
MENU EXIT

▼▲:SEL. MENU:SET TALK:EXIT

Press **【SELECT (▼)】** to return to the "MENU (4/4)" screen, and then move the cursor to "MENU EXIT" and press **【MENU】** .

41

Selecting a camera (Default setting is for all cameras to be "ON".)

This selects the camera (CAMERA1 or CAMERA2) to be used for each group.

【SELECT (▲) 】
【SELECT (▼) 】
【MENU】

Panasonic
VL-GM301

i→ ꘯   MONITOR

TALK

CALL   ● ● ●   DOOR

1
```
    MENU(1/4)
 RECEIVE VOLUME
 RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT
```
Cursor

Press 【MENU】 .
(The "MENU (1/4)" screen will be displayed.)

2
```
    MENU(3/4)
 GROUP SETUP
 CAMERA SELECT
 COMMUNICATION
▼▲:SEL. MENU:SET TALK:EXIT
```
Pres 【SELECT (▼)】 to display the "MENU (3/4)"
screen, and then move the cursor to
"CAMERA SELECT".

3
```
   CAMERA SELECT
 CAMERA1:ON
 CAMERA2:ON
    BACK
▼▲:SEL. MENU:SET TALK:EXIT
```
Press 【MENU】 .
(The "CAMERA SELECT" screen will be displayed.)

4 Press 【SELECT (▲/▼)】 to move the cursor to the group you would like to select.

5
```
  CAMERA1 SELECT
      ON
      OFF

▼▲:SEL. MENU:SET TALK:EXIT
```
Press 【MENU】 .
(The "CAMERA SELECT" screen for the corresponding
camera will be displayed.)

6 Press 【SELECT (▲/▼)】 to move the cursor to "ON" or "OFF".
- ON : Camera is used.
- OFF: Camera is not used.

42

7

CAMERA SELECT
CAMERA1:ON
CAMERA2:ON
BACK
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**MENU**】.
(The "CAMERA SELECT" screen will be displayed.)
<This completes the setting.>

8 To select another camera, repeat steps 4 to 7.

9

CAMERA SELECT
CAMERA1:ON
CAMERA2:ON
BACK
▼▲:SEL. MENU:SET TALK:EXIT

Once you have selected the camera, press
【**SELECT** (▼)】 to move the cursor to "BACK".

10

MENU(3/4)
GROUP SETUP
CAMERA SELECT
COMMUNICATION
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**MENU**】.
(The "MENU (3/4)" screen will be displayed.)

11 ■ To continue making further settings ...
Move the cursor to the desired item, and press 【**MENU**】.
(Refer to step 5 on page 35.)

■ To complete the settings ...

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT** (▼)】 to return to the "MENU (4/4)"
screen, and then move the cursor to "MENU EXIT"
and press 【**MENU**】.

43
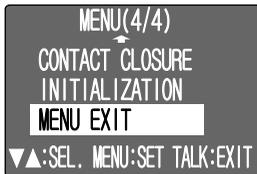
Setting the talking method (Default setting is "PUSH-TO-TALK".)
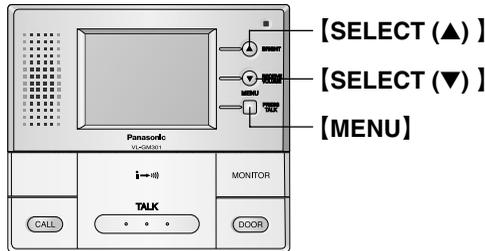
This sets the communication method for the monitor station or sub monitor station.

【SELECT (▲) 】

【SELECT (▼) 】

【MENU】

1

MENU(1/4)
RECEIVE VOLUME
RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT

Cursor

Press 【**MENU**】.
(The "MENU (1/4)" screen will be displayed.)

2

MENU(3/4)
GROUP SETUP
CAMERA SELECT
COMMUNICATION

▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT (▼)**】 to display the "MENU (3/4)"
screen, and then move the cursor to
"COMMUNICATION".

3

COMMUNICATION
PUSH-TO-TALK
PRESS-TO-TALK

▼▲:SEL. MENU:SET TALK:EXIT

Press 【**MENU**】.
(The "COMMUNICATION" screen will be displayed.)

4 Press 【**SELECT (▲/▼)**】 to move the cursor to the communication method you
would like to select.

5

MENU(3/4)
GROUP SETUP
CAMERA SELECT
COMMUNICATION

▼▲:SEL. MENU:SET TALK:EXIT

Once the communication method setting has been
made, press 【**MENU**】.
(The display will return to the "MENU (3/4)" screen.)
<This completes the setting.>

6 ■ To continue making further settings ...
Move the cursor to the desired item, and press 【**MENU**】.
(Refer to step 5 on page 35.)

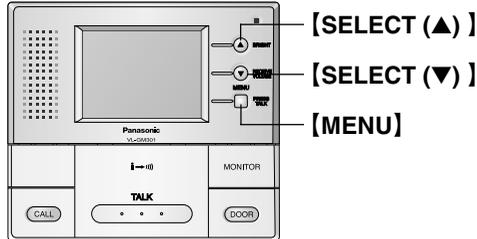■ To complete the settings ...

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT

▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT (▼)**】 to return to the "MENU (4/4)"
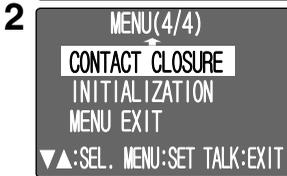screen, and then move the cursor to "MENU EXIT"
and press 【**MENU**】.

Setting the alarm output time (Default setting is "10SEC.")

This sets the length of time that a signal is output from the alarm output terminal.
(Page 14 : K1, K2)

【SELECT (▲)】
【SELECT (▼)】
【MENU】

Panasonic
VL-GM301

i←→(((MONITOR
TALK
CALL   ● ● ●   DOOR

1

MENU(1/4)
RECEIVE VOLUME
RINGER VOLUME

▼▲:SEL. MENU:SET TALK:EXIT

Cursor

Press 【MENU】 .
(The "MENU (1/4)" screen will be displayed.)

2

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT

▼▲:SEL. MENU:SET TALK:EXIT

Press 【SELECT (▼)】 to display the "MENU (4/4)"
screen, and then move the cursor to
"CONTACT CLOSURE".

3

CONTACT CLOSURE

10SEC.

▼▲:SEL. MENU:SET TALK:EXIT

Press 【MENU】 .
(The "CONTACT CLOSURE" screen will be displayed.)

4 Press 【SELECT (▲/▼)】 to set the output time.
• The setting can be from approx. 2 seconds to approx. 30 seconds.

5

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT

▼▲:SEL. MENU:SET TALK:EXIT

Once the alarm output time setting has been made,
press 【MENU】 .
(The display will return to the "MENU (4/4)" screen.)
<This completes the setting.>

6 ■ To continue making further settings ...
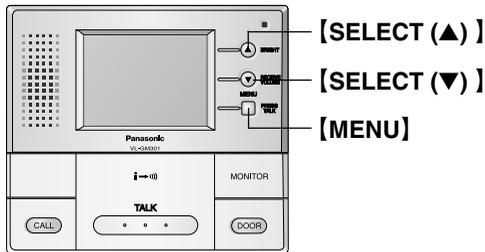Move the cursor to the desired item, and press 【MENU】 .
(Refer to step 5 on page 35.)
■ To complete the settings ...

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT

▼▲:SEL. MENU:SET TALK:EXIT

Press 【SELECT (▼)】 to return to the "MENU (4/4)"
screen, and then move the cursor to "MENU EXIT"
and press 【MENU】 .

45

Restoring settings to defaults

This returns all menu settings to their default settings.

【**SELECT (▲)** 】
【**SELECT (▼)** 】
【**MENU**】

1

MENU(1/4)
RECEIVE VOLUME
RINGER VOLUME
▼▲:SEL. MENU:SET TALK:EXIT

Cursor

Press 【**MENU**】 .
(The "MENU (1/4)" screen will be displayed.)

2

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT (▼)**】 to display the "MENU (4/4)"
screen, and then move the cursor to
"INITIALIZATION".

3

DOSE IT RETURN TO
INITIAL SETTING?
YES
NO
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**MENU**】 .
(The "INITIALIZATION" screen will be displayed.)

4 Press 【**SELECT (▼)**】 to move the cursor to "YES" or "NO".

5

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**MENU**】 .
(The display will return to the "MENU (4/4)" screen.)
• If set to "YES"
  – All settings will be returned to their default settings.
• If set to "NO"
  – The settings will remain unchanged.

6 ■ To continue making further settings ...
Move the cursor to the desired item, and press 【**MENU**】 .
(Refer to step 5 on page 35.)

■ To complete the settings ...

MENU(4/4)
CONTACT CLOSURE
INITIALIZATION
MENU EXIT
▼▲:SEL. MENU:SET TALK:EXIT

Press 【**SELECT (▼)**】 to return to the "MENU (4/4)"
screen, and then move the cursor to "MENU EXIT"
and press 【**MENU**】 .

Troubleshooting

Problem	Cause and solution
The display is not clear or is blurry.	• The surface of the door station is dirty. Clean it with a soft dry cloth. • The surface of the door station is wet with dew. Wait for the condensation to evaporate. • Change the brightness of the display by pressing 【BRIGHT】.
The display is white, or black or white lines are shown on the display.	• Strong light such as sunlight is shining into the camera of the door station. Though this may cause the display image to become difficult to see, it is not a malfunction.
The color of the display is different from the actual color.	• Certain types of lighting (dusk, incandescent lighting, etc.) may be shining into the camera. We recommend lighting the area of the door station with white, fluorescent light.
The display will not display anything or no voices can be heard.	• The power cord is not connected. Check the connections. • Contact our service personnel.
The monitor station and sub monitor station does not ring.	• Is "RINGER VOLUME" set to "OFF" in the menu settings? • The power cord is not connected. Check the connections. • Contact our service personnel.
I cannot talk to the visitor or the ringer tone rings regularly.	• Press and hold 【BRIGHT】 for about 10 seconds until a beep sounds to initialize the system. Wait for another 10 seconds and try again. • Contact our service personnel.
Sound cuts in/out or fades.	• The surroundings of the monitor station or the door station are noisy. If you are using 【PUSH】 mode, your conversation may be interrupted. Try 【HOLD】 mode.
Your voice cannot be heard by the outside visitor.	• Is the unit in 【HOLD】 mode? (Page 26) Is "PT" displayed in the LCD screen?
The outside visitor complains the door station does not beep when the call button is pressed.	• Due to the PBX system, the beep may not sound if "PBX SELECT" is "ON".
The display turns off during a conversation (Sound continues).	• You talked for more than about 3 minutes in 【HOLD】 mode. The maximum display time is approximately 3 minutes.

Cleaning

Clean the unit with a soft, dry cloth when cleaning.
For excessive dirt, wipe the unit with a slightly damp cloth.
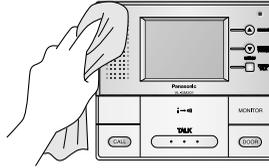
Important information:
● Do not use anything containing alcohol, polish powder, powder soap, benzine, thinner, wax, petroleum, or boiling water. Also do not spray with insecticide, glass cleaner, or hair spray. This could cause a change in color or quality.

Technical data about this product

Monitor station

Power supply:	24 V DC
Current consumption:	Standby: Approximately 44 mA
	At operation: Approximately 450 mA
Video Output Level:	1 Vp-p, 75 Ω (NTSC color signal)
Dimensions:	Approximately height 145 mm x width 165 mm x depth 44 mm
	(5 $^3/_4$″ x 6 $^1/_2$″ x 1 $^3/_4$″)
Mass (Weight):	Approximately 600 g (1.32 lb.)
Operating environment:	0 °C to 40 °C (32 °F to 104 °F), Up to 90 % RH
	(Relative Humidity) non condensing
Installation method:	Exposure mount
	Flush mount (Optional Flush mount unit is required.)
External material:	Flame retardant ABS resin (panel: acrylic resin)

Note:
● To connect to a door opener and chime, make sure the door opener and chime is:
  – Normal open (Low active)
  – Less than 30 V AC (1 A), 24 V DC (1 A)
● About the chime:
  When a door station call is answered, the Normal open output turns OFF. If it is not answered, the Normal open output turns ON for the time (2 - 30 seconds) set in the menu. (For details, please see the operating instructions of the connected device.)

AC adaptor (Part number: PFAP1014)

Power supply:	100 V – 240 V AC , 50 Hz / 60 Hz
Output voltage:	24 V DC
Output current:	2 A
Dimensions:	Approximately height 120 mm x width 60 mm x depth 35 mm
	(4 $^3/_4$″ x 2 $^3/_8$″ x 1 $^3/_8$″)
Mass (Weight):	Approximately 310 g (0.68 lb.)
Operating environment:	0 °C to 40 °C (32 °F to 104 °F), Up to 90 % RH
	(Relative Humidity) non condensing

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

For your future reference

Date of purchase

Serial number (found on the rear of the unit)

Dealer's name and address

Dealer's telephone number

Attach your sales receipt here.

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