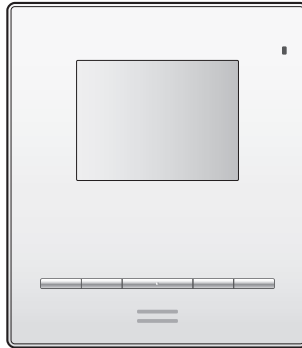


## Installation Guide

Model Name	Main Monitor Station
Model No.	<b>VL-MV10</b>



- Main monitor station is described as "main monitor" in this guide.
- In this guide, the suffix of each model number (e.g., the "EX1" in "VL-MV10EX1") is omitted unless necessary.

### **Note to the installer**

- Before attempting to connect or operate this product, please read the label on the rear of the main monitor.
- Please read this guide carefully, and install the product safely and correctly by following the instructions. Carefully read the information found in the section titled "Important safety information" in particular.
- Only use attachments/accessories specified by the manufacturer.
- The installation shall be carried out in accordance with all applicable installation rules.
- To the maximum extent permitted by law, Panasonic assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this document.

## Important safety information

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



### WARNING

#### Preventing fire, electric shock and short circuits

- **Leave installation work to the dealer. Installation work requires technical knowledge and experience. Electrical connection work should be performed by certified personnel only. Failure to observe this may cause fire, electric shock, injury, or damage to the product. Consult the dealer.**
- Do not disassemble or modify the product. Refer servicing to an authorised service centre when service is required. Disassembling the product or manipulating the product in a way not described in the documentation may expose you to dangerous voltages and other risks.
- Never install wiring during a lightning storm.
- Do not connect non-specified devices.
- Do not connect a power cable to a terminal that is not specified in this guide.
- When opening holes in walls for installation or wiring, or when securing the cable, make sure you do not damage existing wiring and ductwork.
- Do not install the product in the following places:
  - Places where the product may be splashed with water or chemicals.
  - Places where there is a high concentration of dust, or high humidity.
- When existing wires are used, it is possible that they contain AC voltage. Contact an authorised service centre.

#### Preventing accidents and injuries

- **VL-MV10EX2 only:** This product is equipped with an integrated induction loop.
  - In areas surrounded with strong electric fields, disturbances may occur in the hearing aid's audio.
  - If there are electronic devices or electric devices used nearby, they may create magnetic noise which can affect the quality of calls. Also, the magnetic coupling of the induction loop is weakened when there are

metal objects nearby. This may reduce the range where the hearing aid has good audibility.

- Do not install or use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to electromagnetic waves.



### CAUTION

#### Preventing electric shock

- If the wiring passes underground, use a conduit, and do not make any connections underground.
- If the wiring passes outdoors, use a conduit or a surge protector.



#### Preventing injury

- Install the product securely adhering to the instructions in this document to prevent it from falling off the wall. Avoid installing onto low-strength walls, such as gypsum board, ALC (autoclaved lightweight concrete), concrete block, or veneer (less than 18 mm thick) walls.

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## Supplied accessories for installation

For the main monitor	
 Mounting bracket × 1	 Screw × 2 (4 mm × 16 mm)

### Important:

- You will need the following additional items to install and configure the main monitor.

#### [Locally procured]

- Wires:  
Prepare wires of the appropriate specification. (→ "Wire type and length")

### Note:

- The illustrations in the supplied manual(s) may vary slightly from the actual product.

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## Precautions for installation

- This product is a bus-powered main monitor for use with Panasonic Video Intercom Systems. Power is supplied from a lobby station or distributor.
- Do not install the product in the following locations.
  - There may be a risk of malfunction or communication disturbances.
  - Places where vibration, impact, or echoing occurs.
  - Places near a high concentration of dust, hydrogen sulphide, ammonia, sulphur, or noxious fumes.
  - Places where there is excessive smoke, dust, and high temperature.
  - Within 1 m of a TV, microwave, personal computer, air conditioner or any other electrical device.
- Install the product away from electronic appliances such as TVs, radios, personal computers, air conditioners, boiler control panels with intercom, home security equipment, wireless devices, or digital cordless phones.
- Do not place any objects within 20 cm of the main monitor. This may cause communication errors or malfunction.
- Do not install the main monitor inside a wall.
- In areas surrounded by a high electrical field, disturbances may occur in the main monitor's image or sound.

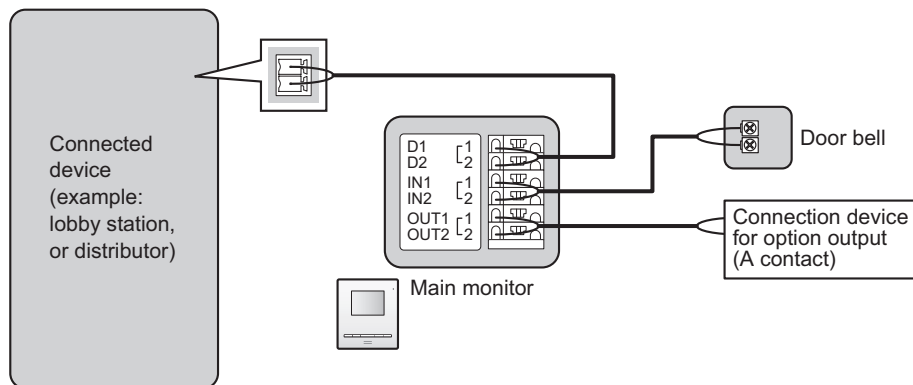
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## Wiring schematic diagram

Set up correctly according to the following wiring schematic diagram and "Wire type and length".

### Important:

- For information about connections, refer to the documentation of the lobby station/distributor (VL-VM series/VL-VM701).
- Wiring is non-polarised.



## Wire type and length

Wiring run		Wire type*1	
		Diameter	Max. length
Connected device (example: lobby station or distributor)	↔ Main monitor	ø 0.65 mm (22 AWG)	approx. 100 m
		ø 1.2 mm (17 AWG)	approx. 200 m
Main monitor	↔ Door bell*2	ø 0.5 mm - ø 1.2 mm (24 AWG - 17 AWG)	According to specification of connected device.
Main monitor	↔ Connection device for option output (A contact)*3	ø 0.5 mm - ø 1.2 mm (24 AWG - 17 AWG)	According to specification of connected device.

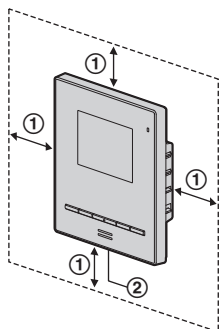
### Note the following when selecting wiring

- \*1 Use 2-conductor (solid copper) wiring with a PE (polyethylene)-insulated PVC jacket. Mid-capacitance, non-shielded cable is recommended.
- A certified power supply wiring has to be used with this equipment. The relevant national installation and/or equipment regulations shall be considered. A certified power supply wiring not lighter than ordinary polyvinyl chloride flexible wiring according to IEC 60227 shall be used.
- \*2 When using a door bell, select a device that meets the following guidelines:
- Connection device for option input terminal (IN1/IN2):
    - Input method: No-voltage contact
    - Open-circuit voltage between terminals: DC 10 V to 22 V
    - Detection definite time: 0.1 second or more
    - Resistance value: make: 500 Ω or less, break: 150 kΩ or more
- \*3 When using a connection device for option output (A contact), select a device that meets the following guidelines:
- Connection device for option output (A contact) terminal (OUT1/OUT2):
    - N/O dry closure contact
    - 12 V AC/DC, less than 1 A

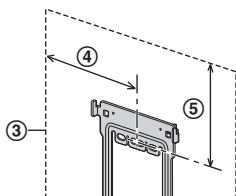
# Main monitor installation position

## About the installation position of the main monitor and mounting bracket

- Place the main monitor in a location that your eyes are the same height as the centre of the display.
- For the following reasons, leave at least 20 cm (①) of space above, below, and to the left and right sides of the main monitor:
  - To prevent malfunction and sound cutting out
  - To ensure to make sure the reset button (②) can be used (the reset button is on the bottom of the main monitor)



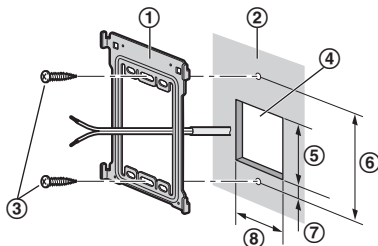
- After deciding where to install the main monitor, attach the mounting bracket in the location shown below.



- ③ Main monitor installation position
- ④ 65 mm
- ⑤ 50.7 mm

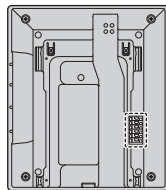
# Installing the main monitor

- 1 Attach the mounting bracket (①) to the wall securely.
  - Install the mounting bracket on a vertical flat wall (②).



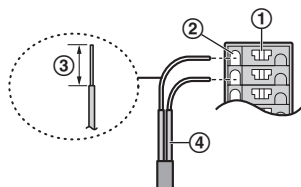
- ③ Screws (accessory)
- ④ Hole in wall ⑤ 60 mm ⑥ 83.5 mm
- ⑦ 7 mm ⑧ 50 mm

- 2 Connect the wires.
  - Connect the wires correctly according to "Wiring schematic diagram".



## ● How to make wiring connections

While pressing on the button (①) with a pointed object such as a screwdriver, insert the wire into the terminal connector (②). (To disconnect a wire, while pressing on the button (①), pull out the wire.)



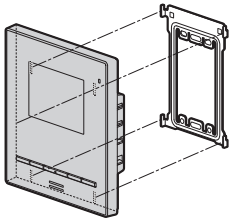
- ③ Bare wire at tip 9 mm
- ④ Wiring from the connected device (example: lobby station, distributor, or other device)

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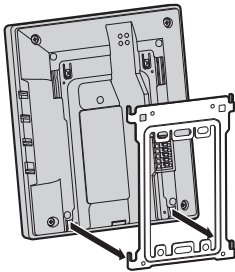
**Important:**

- Do not connect the power cable.  
(Damage may occur.)

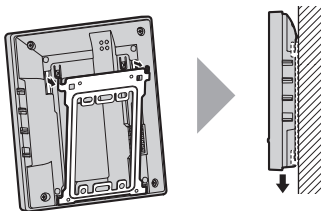
**3** Mount the main monitor to the mounting bracket.



3-1 Line up the tab on the bottom of the bracket with the groove on the main monitor.



3-2 Line up the tab on the top of the bracket with the groove on the main monitor, and push the main monitor down until it is secure.



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**PNQP1412ZA** C0718MM0