Panasonic

Installation Guide

Model Name	Model No.
Door Station	VL-VA514SX

- This guide is for use with the above models



Door Station

- The Installation Guide can also be accessed from the following site: https://security.in.panasonic.com/products/vl-va514
- Door station is described as "doorphone" and Main monitor station is described as "main monitor" in this guide.
- In this guide, the suffix of each model number (e.g., the "SX" in "VL-VA514SX") 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 doorphone and the main monitor/extension 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 "For your Safety" 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.
- After installation, make sure to leave this guide with the customer.
- For any assistance call our Customer care no. : 080-6984-1373 or write to us at Email : helpline@in.panasonic.com

For your Safety

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

⚠ WARNING

Preventing fire, electric shock and short circuits

- Leave installation work to the dealer. Installation work requires technique and experiences. Failure to observe this may cause fire, electric shock, injury, or damage to the product. Consult the dealer.
- Electrical connection work should be performed by certified personnel only. Certification is required for performing electrical connection work. Consult your dealer.
- Do not attempt to disassemble or modify this product. Contact an authorised service center for repairs.
- 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 power cable, make sure you do not damage existing wiring and ductwork.
- Do not make any wiring connections when the power supply is turned on.
- Do not use the supplied power supply unit for outdoor installations (it is for indoor use only).
- Do not install the main monitor/extension monitor in the following places:
  –Places where the main monitor/extension monitor may be splashed with water or chemicals.
  –Places where there is a high concentration of dust, or high humidity.

  Do not perform any actions (such as fabricating, twisting, stretching, bundling, forcibly bending, damaging, altering, exposing to heat sources, or placing heavy objects on the power cable) that may damage the power cable. Using the product with a damaged power cable may cause electric shock, short circuits, or fire. Contact an authorized service center for repairs.

⚠ CAUTION

Preventing electric shock

- If the wiring is underground, do not make any connections underground.
- If wiring is underground or in open area use a protection tube to prevent damage.
- Install the product securely adhering to the instructions in this guide 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.

Supplied Accessories for Installation

Supplied accessories

For the door station			
 Screw x 4 (KA 4 mm x 25 mm)	 Screw x 1 (KM 3 mm x 7 mm)	 Silicone Cap x 4 (M6 x 30mm)	 Allen key x 1
 Flush box	 RFID keys x 12	 Power supply unit x 1 (DC 14.5V 1A)	 Screw x4 (PM 3 mm x 12 mm)

Important:

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

1. Wires (for door lock and other connections) prepare wire of the appropriate specification as per - (➔ "wire type and length" (Page no. 7))

Note:

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

Precautions for Installation

To avoid malfunction or communication disturbances, do not install the door station or the main monitor/extension monitor in the following locations:

–Places where vibration or any other kind of impact occurs.

–Places where echoing is frequent.

–Places near a high concentration of dust, hydrogen sulphide, ammonia, sulphur, or noxious fumes.

For the doorphone

- If a strong light is shining on the doorphone, the visitor's face may not be distinguishable. Do not place the doorphone in the following locations:
  - –Where most of the background is the sky.
  - –Where the background is a white wall, and direct sunlight will reflect off it.
  - –Where direct sunlight will shine on the doorphone.
- Do not place the doorphone in locations where echoing occurs, as this will cause the doorphone to beep frequently.
- Make sure the rear of the doorphone is not subject to water.
- Depending on the installation location, condensation may form on the doorphone's lens cover. This may cause images to become obscured. Condensation will dissipate as the temperature rises.

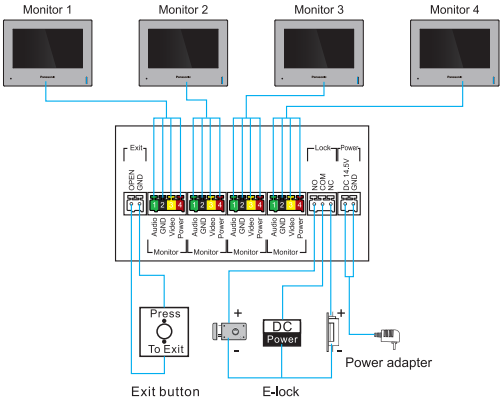
For the main monitor/extension monitor

- Leave at least 20 cm of space above, below, and to the left and right sides of the main monitor/extension monitor. Do not install on a wall that is deeply recessed.
- Do not install the main monitor/extension monitor inside a wall.
- Be sure to install the main monitor/extension monitor more than 5 m away from the doorphone.
- In areas surrounded by a high electrical field, disturbance may occur in the main monitor's/extension monitor's image or sound.

Wiring Schematic Diagram

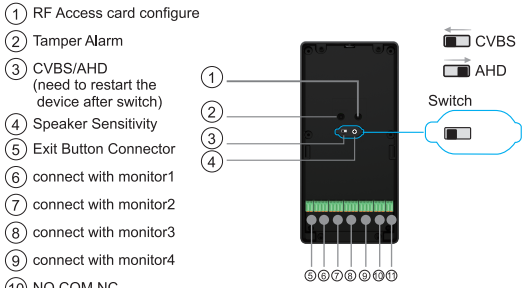
Set up correctly according to the following wiring schematic diagram and "Wire type and length".
(Page no. 7)

1. Wiring with VL-MA611SX monitor

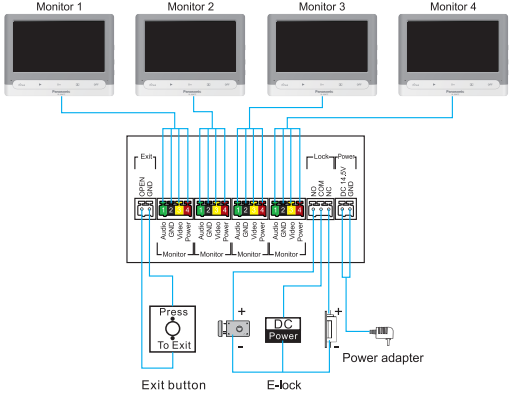


AHD (Switch on the back side of the outdoor station)

Please only connect VL-MA611SX monitors when the outdoor station is switched to AHD.



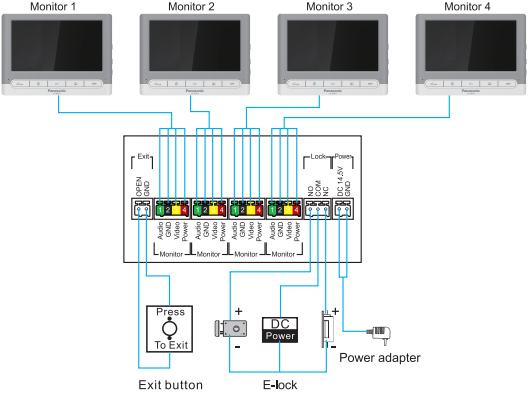
2. Wiring with VL-MA72SX monitor



CVBS (Switch on the back side of the outdoor station)

Please only connect VL-MA72SX monitors when the outdoor station is switched to CVBS.

3. Wiring with VL-MA71SX monitor



CVBS (Switch on the back side of the outdoor station)

Please only connect VL-MA71SX monitors when the outdoor station is switched to CVBS.

Note: Please only connect AHD monitors when the outdoor station is switched to AHD;
Only connect CVBS monitors when it is switched to CVBS

1 **Power Supply**

This outdoor station contains a DC14.5V 1A power adapter for power supply. When the user needs to connect indoor monitors, please refer to the monitor power supply part.

Wire Type and Length

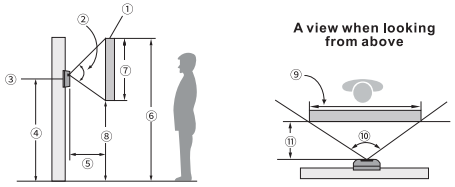
Wiring run	Wire type		
	Specification		Length (Max.)
	Size	Type	
Door station – Main monitor – Extension monitor	0.75 mm²	RVV4	50 m
	0.5 mm²	RVV4	30 m
	0.3 mm²	RVV4	10 m
Door station – Electric lock	1.0 mm²	RVV2	1.5 m

This video door phone can release NO, NC electric door lock but it needs to connect additional power supply. Please follow the specifications of the lock you choose to use appropriate power supply.

Doorphone Installation Position

Installation position of the doorphone and camera range
Views when the camera is facing forwards at 0° (default).

- Example: Installation height is 1450 mm (standard position).



(Units:mm)

① Image range ② Approx. 60° ③ Centre of doorphone ④ Approx.1450 ⑤ Approx. 500
⑥ Approx.1810 ⑦ Approx. 840 ⑧ Approx. 970 ⑨ Image range: Approx.1730 ⑩ Approx.120°
⑪ Approx. 500

Note:

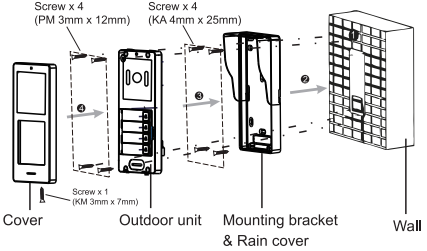
The measurements and angles are for reference purposes and may vary depending on the environment.

Installing the Doorphone

Method 1: Surface Mounting with Rain Cover

Steps

1. Use the mounting bracket to mark the screw location.
2. Drill holes on marked screw locations and plug up the screw holes with screw caps.
3. Fix the Rain cover on the mounting bracket, ensure it is locked properly.
4. Secure the mounting bracket on the wall with 4 supplied screws (KA 4mm X 25mm)
5. Secure the device on the mounting bracket with the four supplied set screws (PM 3mm x 12mm).
6. Affix the cover onto the device with the security screw (KM 3mm x 7mm)

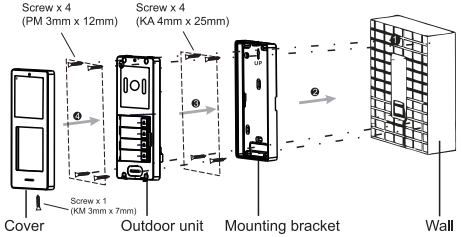


Surface Mounting with Rain Cover

Method 2: Surface Mounting without Rain Cover

Steps

1. Use the mounting bracket to mark the screw location.
2. Drill holes on marked screw locations and plug up the screw holes with screw caps.
3. Secure the mounting bracket on the wall with 4 supplied screws (KA 4mm X 25mm)
4. Secure the device on the mounting bracket with the four supplied set screws (PM 3mm x 12mm).
5. Affix the cover onto the device with the security screw (KM 3mm x 7mm)

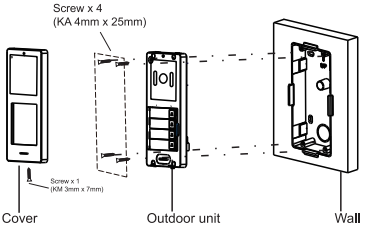


Surface Mounting without Rain Cover

Method 3: Flush Mounting

Steps

1. Fix the flush box into the wall.
2. Secure the device on the flush box with the four supplied set screws(KA 4mm X 25mm).
3. Affix the cover onto the device with the security screw(KM 3 mm x 7 mm).



Panasonic Life Solutions India Pvt. Ltd.

Quick Guide

Installation Guide