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Panasonic VL-SWE210KLA

Panasonic VL-SWE210KLA Video Intercom System User Manual

Model: VL-SWE210KLA

Introduction | Product Overview | Setup | Specifications | Operating Instructions | Warranty & Support | Maintenance | Troubleshooting

1. Introduction

This manual provides detailed instructions for the safe and efficient use of your Panasonic VL-SWE210KLA Video Intercom System. Please read this manual thoroughly before operating the product and retain it for future reference. The Panasonic VL-SWE210KLA is a versatile video intercom system designed for home security and convenience. It features a main monitor unit, a door station with an LED light, and a portable wireless monitor handset. Key functionalities include automatic visitor recording, clear night vision, and the ability to respond to visitors from various locations within your home.

2. Product Overview

The VL-SWE210KLA system comprises the following main components:

- **Monitor Parent Unit (VL-MWE210K):** Features a 3.5-inch color LCD display for viewing visitors and managing system settings.
- **Door Station (VL-V523L-N):** A surface-mounted unit equipped with a camera and an LED light for enhanced visibility, especially at night.
- **Wireless Monitor Handset (VL-WD623):** A portable unit with a 2.2-inch color LCD display, allowing communication with visitors and system control from anywhere within range.
- **Charging Cradle:** For recharging the wireless monitor handset.

Key Features:

- **LED Light for Night Vision:** The door station's LED light automatically illuminates when the call button is pressed at night, allowing clear color identification of visitors up to approximately 50 cm away.
- **Automatic Recording Function:** The system automatically records visitors when you are away. The monitor parent unit can store up to 50 instances, with each instance comprising 8 consecutive images.
- **Wireless Monitor Handset:** Provides convenience by allowing you to answer calls, monitor the entrance, and

review recordings from various locations in your home.

- **Easy Installation:** Designed for straightforward setup, though professional installation may be required for wiring the main monitor and door station.



Image: Main components of the Panasonic VL-SWE210KLA Video Intercom System, including the door station, main monitor, and wireless monitor handset.

3. Setup

3.1 Unpacking and Component Check

Before installation, ensure all components are present:

- Monitor Parent Unit (VL-MWE210K)
- Door Station (VL-V523L-N)
- Wireless Monitor Handset (VL-WD623)
- Charging Cradle
- Wall mounting bracket
- Wood screws (4mm x 16mm) x 2
- Small screws (4mm x 25mm) x 2

- Dedicated Ni-MH battery (KX-FAN57) for wireless handset (pre-installed or included with handset)

3.2 Installation Guidelines

The installation of this product requires wiring work for the main monitor unit and the door station. It is recommended to consult a professional installer if you are not familiar with electrical wiring. The product is power cord type. Please confirm installation feasibility and costs with your installer.
Important Considerations:

- **Wireless Range:** The wireless monitor handset operates within approximately 100m of the main monitor unit in an unobstructed environment. Actual range may vary significantly depending on building structure and surrounding environment.
- **Interference Prevention:** To prevent malfunctions due to noise, avoid installing the system near other electronic devices such as TVs, radios, personal computers, air conditioners, water heater remote controls (with intercom function), or home security related equipment.
- **Door Station Placement:** The door station is designed for outdoor use and surface mounting.

3.3 Connecting with Fax/Telephone (Optional)

This system can be linked with compatible Panasonic fax machines or telephones to answer calls from the door station via your phone. Refer to the diagram below for a general overview of the connection process. For detailed steps, please consult the instruction manual of your specific fax/telephone model and the Panasonic support website.



Image: Connection diagram for integrating the video intercom with a compatible fax or telephone system.

For more details on compatible devices and connection procedures, visit the official Panasonic support page: Panasonic Support

4. Operating Instructions

4.1 Answering a Visitor Call

When a visitor presses the call button on the door station, the main monitor unit and wireless monitor handset will ring. You can answer the call from either unit.

- **From Main Monitor Unit:** Press the "Answer" button to establish communication.
- **From Wireless Monitor Handset:** Press the "Talk" button to answer the call.



Image: A user responding to a visitor using the portable wireless monitor handset from inside the house.

4.2 Night Vision with LED Light

The door station is equipped with an LED light to ensure clear visibility of visitors even in low-light conditions or at night.

- When the call button on the door station is pressed at night, the LED light automatically illuminates.
- This allows for color identification of the visitor's face up to approximately 50 cm from the camera.
- *Note:* The light may not reach the extreme edges of the shooting range, and facial recognition may be difficult if the visitor is too close to the unit.



Image: Illustration demonstrating improved visitor visibility at night with the door station's integrated LED light.

4.3 Automatic Recording Function

The system can automatically record visitors when you are not home or unable to answer.

- When a visitor presses the call button and no one answers, the system will automatically record the visitor.
- Each recording instance consists of 8 consecutive images.
- The main monitor unit can store up to 50 such recording instances.
- You can review these recordings later from the main monitor unit or the wireless monitor handset.



Image: Visual representation of the automatic recording feature, showing how visitor images are captured and stored on the monitor unit.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your video intercom system.

- **Cleaning:** Use a soft, dry cloth to wipe the monitor screens and unit surfaces. For stubborn dirt, slightly dampen the cloth with water and then wipe dry. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish.
- **Door Station Camera Lens:** Gently clean the camera lens on the door station with a soft, lint-free cloth to ensure clear image quality.
- **Battery Care (Wireless Handset):** The wireless monitor handset uses a dedicated Ni-MH battery (KX-FAN57). Ensure it is regularly charged using the provided charging cradle. If the handset is not used for an extended period, fully charge it before storage and recharge periodically to maintain battery health.
- **Environmental Conditions:** Ensure the door station is free from obstructions like dirt, spiderwebs, or snow that might block the camera or microphone.

6. Troubleshooting

If you encounter issues with your Panasonic VL-SWE210KLA system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image or sound from door station.	Loose wiring connection. Power supply issue.	Check all wiring connections between the door station and the main monitor unit. Ensure the main monitor unit is properly powered.
Wireless monitor handset not receiving calls or poor signal.	Out of range. Interference from other devices. Low battery.	Move closer to the main monitor unit. Ensure no large obstructions. Charge the handset battery. Relocate the main monitor unit away from other electronic devices.
Night vision image is unclear.	Dirty camera lens. Visitor too close or too far. Obstruction of LED light.	Clean the camera lens. Advise visitors to stand at an optimal distance (approx. 50 cm). Ensure the LED light is not blocked.
Automatic recording not working.	Recording memory full. Feature disabled.	Check the recording memory on the main monitor unit and delete old recordings if full. Verify that the automatic recording function is enabled in the system settings.
System not responding.	Temporary system glitch.	Try restarting the main monitor unit by unplugging it from the power outlet for a few minutes, then plugging it back in.

If the problem persists after trying these solutions, please contact Panasonic customer support.

7. Specifications

Component/Feature	Detail
Model Number	VL-SWE210KLA
Brand	Panasonic
Monitor Parent Unit (VL-MWE210K)	Dimensions: Approx. 186 × 143 × 23.5 mm (excluding protrusions) Weight: Approx. 480g (including wall mount bracket) Power Supply: AC100V (50Hz/60Hz) Power Consumption: Approx. 1.2W (standby), Approx. 6W (operating) Operating Conditions: 0°C to +40°C, Humidity 90% or less Display: 3.5-inch Color LCD Mounting Method: Surface-mounted (wall mount bracket included) Wireless Communication: 1.9GHz TDMA-WB

Component/Feature	Detail
Door Station (VL-V523L-N)	Dimensions: 131 × 99 × 31.5 mm Weight: Approx. 190g Operating Conditions: -10°C to +50°C, Humidity 90% or less Mounting Method: Surface-mounted, JIS 1-gang switch box compatible Exterior Material: Flame-retardant PC/ABS resin (Panel: Flame-retardant ABS resin) Image Sensor: Approx. 300,000 pixels Minimum Illumination: 1 lux (approx. 50cm from camera) Illumination Method: LED light (for illumination)
Wireless Monitor Handset (VL-WD623)	Dimensions: 173 × 52 × 30 mm (excluding protrusions) Weight: Approx. 155g (including battery pack) Power Supply: Dedicated Ni-MH battery (KX-FAN57) (DC 2.4V) (630mAh) Operating Conditions: 0°C to +40°C, Humidity 90% or less Display: Approx. 2.2-inch Color LCD Wireless Communication: 1.9GHz TDMA-WB Continuous Use Time: Approx. 2 hours (doorphone call), Approx. 100 hours (standby) Charging Time: Approx. 10 hours Usable Range: Approx. 100m (line of sight with parent unit)
Charging Cradle	Dimensions: 43 × 81 × 76 mm (excluding protrusions) Weight: Approx. 166g Power Supply: AC100V (50Hz/60Hz) Power Consumption: Approx. 0.25W (standby), Approx. 0.65W (charging) Operating Conditions: 0°C to +40°C, Humidity 90% or less
Video Capture Resolution	480p
Material	Plastic
Recommended Use	Outdoor Security
Connectivity Protocol	Z-Wave (Note: Primary intercom communication uses 1.9GHz TDMA-WB)
Product Weight (Total)	1.37 Kilograms
First Available Date	2022/10/06

8. Warranty and Support

Warranty Period: This product comes with a 1-year manufacturer's warranty from the date of purchase.
For warranty claims, technical support, or further inquiries, please contact Panasonic customer service. Keep your proof of purchase for warranty validation.
For detailed product information and support resources, please visit the official Panasonic website.

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