

Model No. **VL-SWD501**

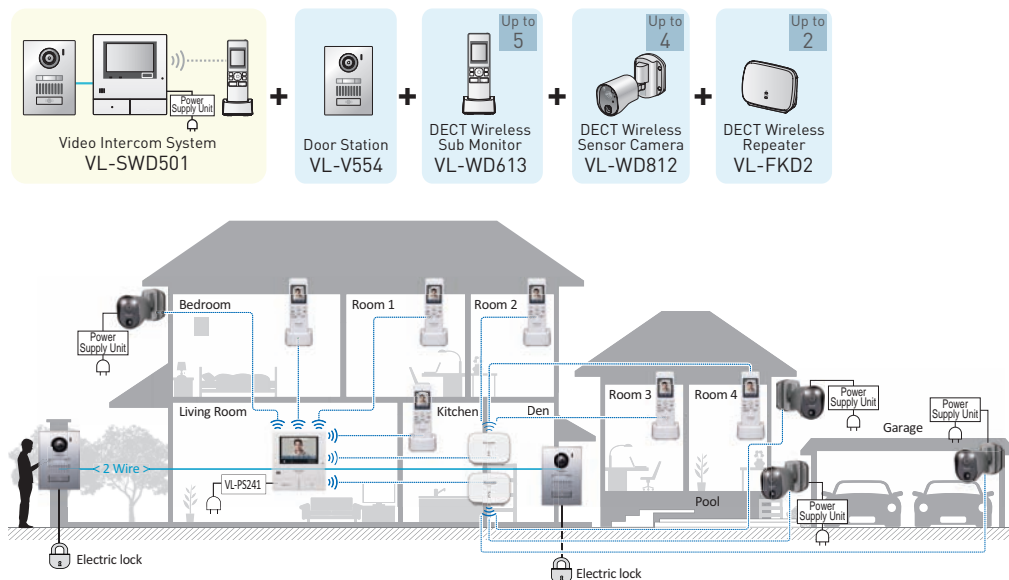
Video Intercom System with Wireless Monitor (DECT)

* Only for distribution in Europe, Middle East, Asia & Oceania

Panasonic

System Configuration

Expanded system example



DECT Repeater

* Up to 2 repeaters can be used.

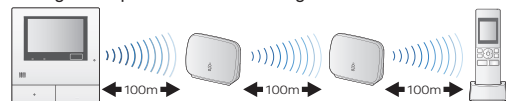
The DECT Repeater can also be connected to increase usage area.



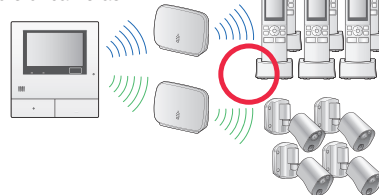
• Using one repeater



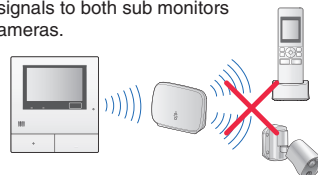
• Using two repeaters connected together



- A single repeater can be used to send signals to either multiple sub monitors or cameras.

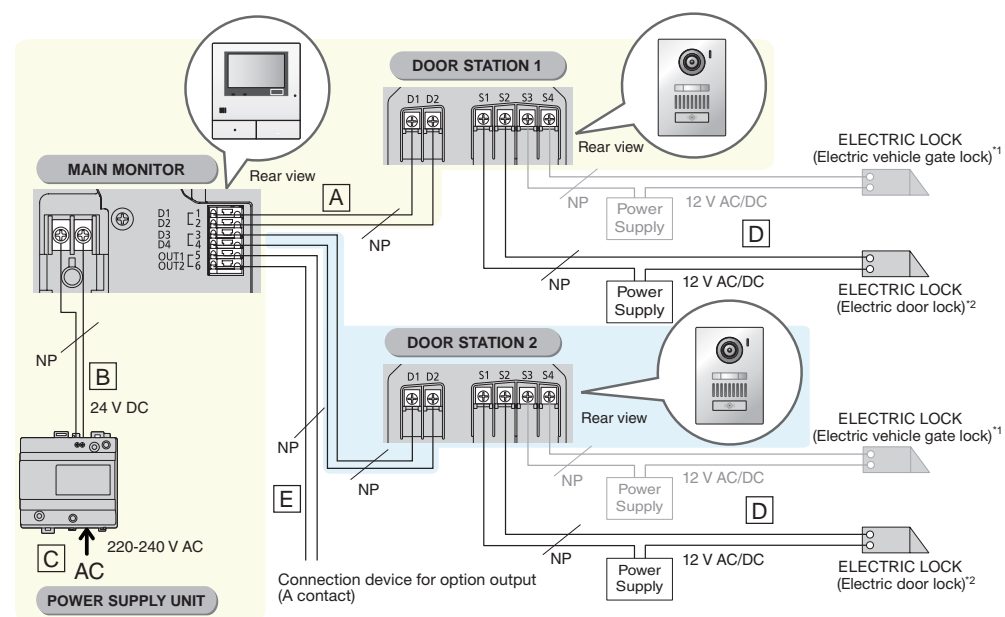


- A single repeater cannot be used to send signals to both sub monitors and cameras.



* Signal range differs depending on factors such as the structure of rooms or the types of walls used.

Wiring Schematic Diagram



NP: Non-polarised

*1 Make sure to only connect electric vehicle gate locks to the S3/S4 terminals of the door stations. (VL-SWD501EX, VL-SWD501FX models only)

*2 Make sure to only connect electric door locks to the S1/S2 terminals of the door stations.

Wire type and length

Wiring run		Wire type ^{*1}		
		Diameter		Length (Max.)
Main monitor – Door station	A	φ 0.65 mm	22 AWG	100 m
		φ 1.0 mm	18 AWG	130 m
		φ 0.5 mm	CAT 5	50 m
Main monitor – Power supply unit	B	φ 0.65 mm	22 AWG	10 m
		φ 1.0 mm	18 AWG	20 m
Power supply unit – AC power source	C	φ 1.2 mm - φ 2.0 mm (17 AWG - 12 AWG)		No requirement
Door station – Electric lock ^{*2}	D	φ 0.5 mm - φ 1.2 mm (24 AWG - 17 AWG)		According to specification of connected device
Main monitor – Connection device for option output (A contact) ^{*2}	E	φ 0.5 mm - φ 1.2 mm (24 AWG - 17 AWG)		According to specification of connected device
Wireless sensor camera – Power supply unit	-	φ 0.65 mm	22 AWG	50 m
		φ 1.0 mm	18 AWG	100 m
Power supply unit (for wireless sensor camera) – AC power source	-	φ 1.2 mm - φ 2.0 mm (17 AWG - 12 AWG)		No requirement
Wireless sensor camera – External sensor	-	φ 0.5 mm - φ 0.8 mm (24 AWG - 20 AWG)		According to specification of connected device Must be no longer than 20 m.

*1 Type: Single-pair cable with outer sheath (jacket)

Conductor: Copper solid

• 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 an electric lock or a connection device for option output (A contact), select a device that meets the following guidelines:

• Electric lock connection terminal (S1/S2, S3/S4): N/O dry closure contact

12 V AC/DC, less than 1 A

• Connection device for option output (A contact) terminal (OUT1/OUT2): 24 V AC/DC, less than 0.3 A (minimum contact: 5 V DC 1 mA)