

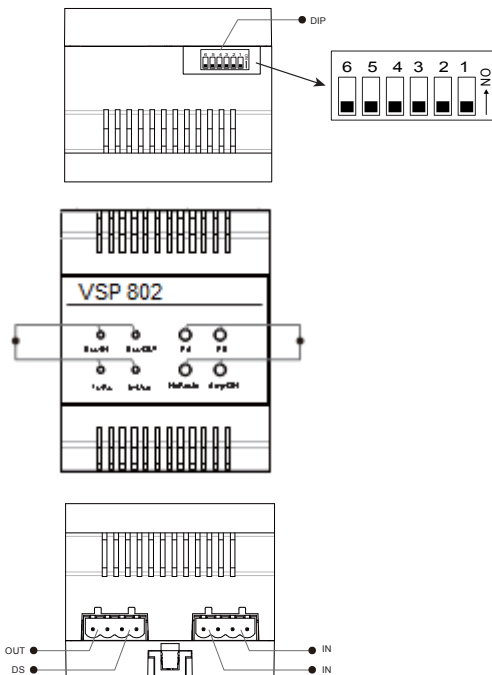
VSP 802 User Manual

1. About VSP 802 Unit

Discription:

The VSP 802 unit is bus amplifier unit and networking component designed for Siera 2-wire system. It has three work modes: Repeater mode, Router mode and Gateway mode.














2. Terminal Description



DIP Setting:

Bit-1 to Bit-2 are used to VSP 802 working modes setting. Bit-3 to Bit-5 are used to address settings. Bit-6 is used to video Impedence match.

The detail settings of DIP are as follows:

Bit	Bit State	Description
Bit-1~Bit-2		Set to the Repeater mode.
		Set to the Router mode.
		Set to the Gateway mode.
		Reserved.
Bit-3~Bit-5		Set to the first VSP 802.
		Set to the second VSP 802.
		Set to the third VSP 802.
		Set to the fourth VSP 802.
		Set to the fifth VSP 802.
		Set to the sixth VSP 802.
		Set to the seventh VSP 802.
		Set to the eighth VSP 802.
Bit-6		Used to video Impedence match, set to ON.

INDICATORS:

1. Bus-IN: Always on when connect to net.
2. Bus-OUT: Always on when connect to monitor.
3. Tx/Rx: Flashes when communicating.
4. In-Use: Always off when in standby mode.

BUTTONS:

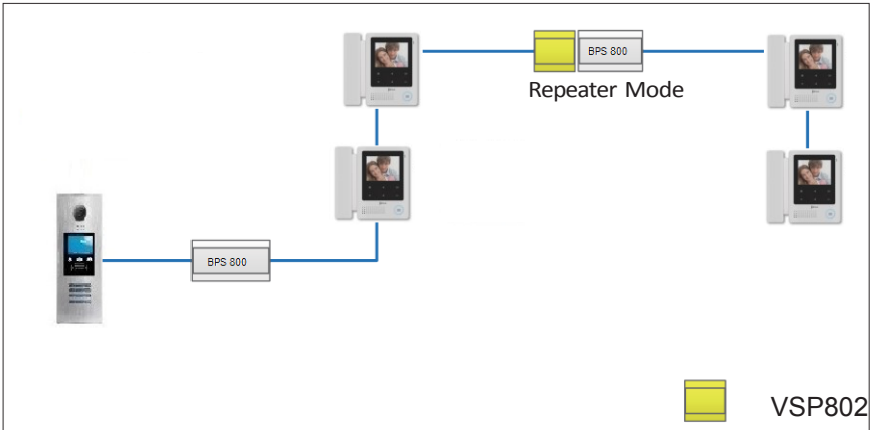
1. PA, PA: Video Amplifier Gain adjust.
2. NoRoute, Amp-ON: Debug button.

3. Working Mode Wiring.

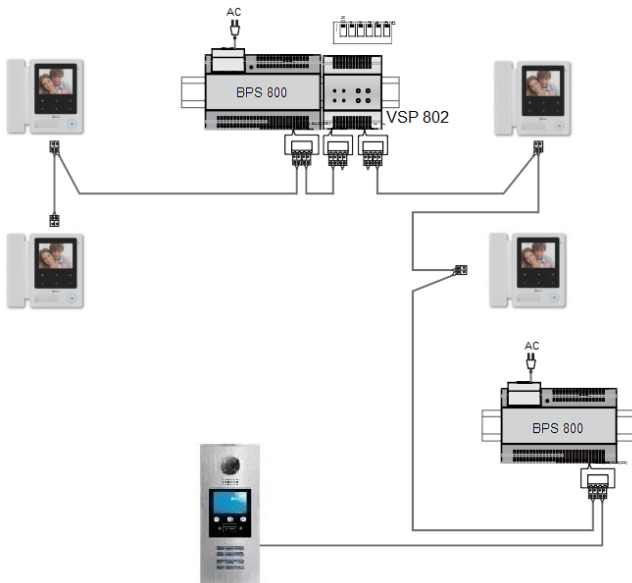
3.1 Repeater Mode (Line amplifier): VSP 802 can extend the distance of system when works in repeater mode. As follows:

Max 140m from the first door station to VSP 802

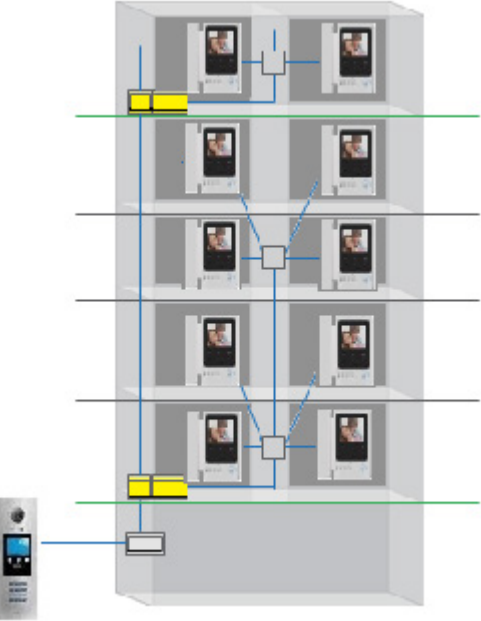
Max 140m from the last indoor monitor to VSP 802



Wiring diagram:

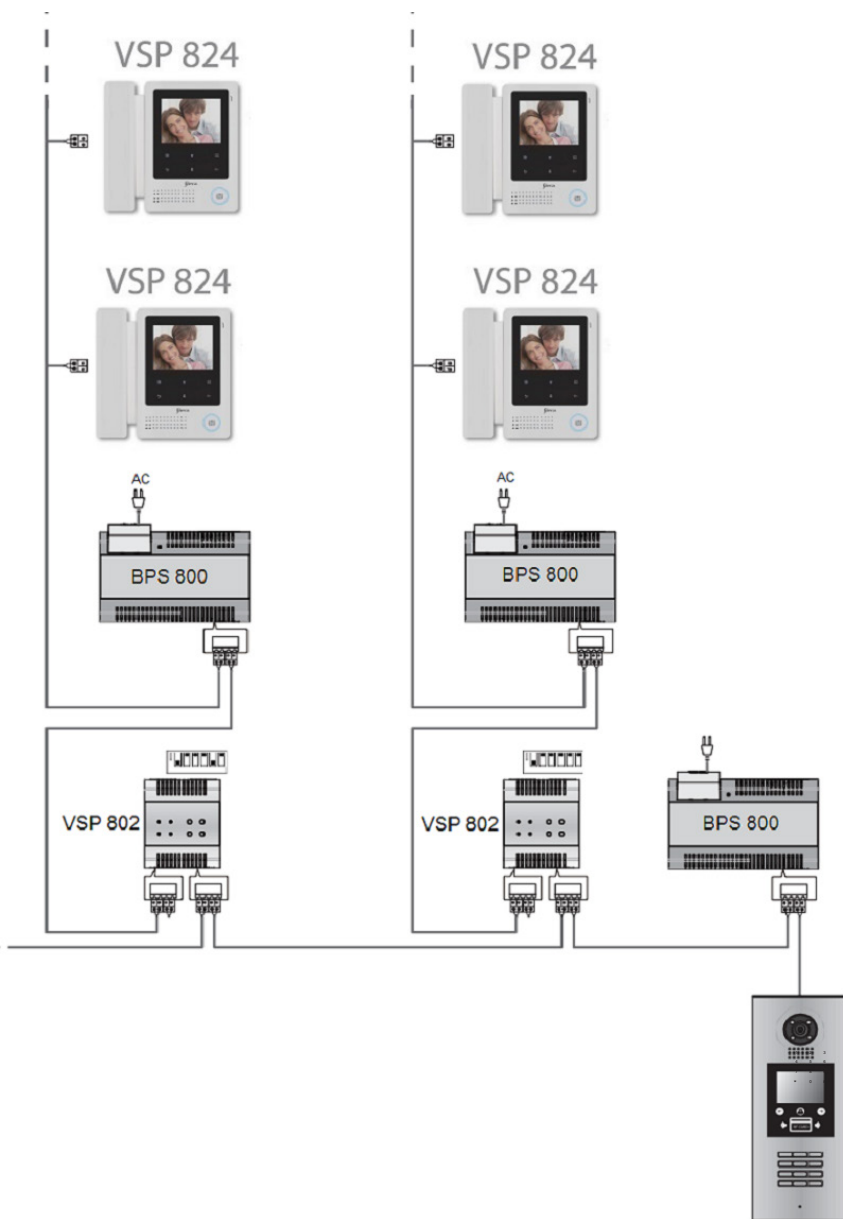


3.2 Router Mode: In this mode, the system can connect up to 8 VSP 802, and each VSP 802 can connect up to 32 monitors.

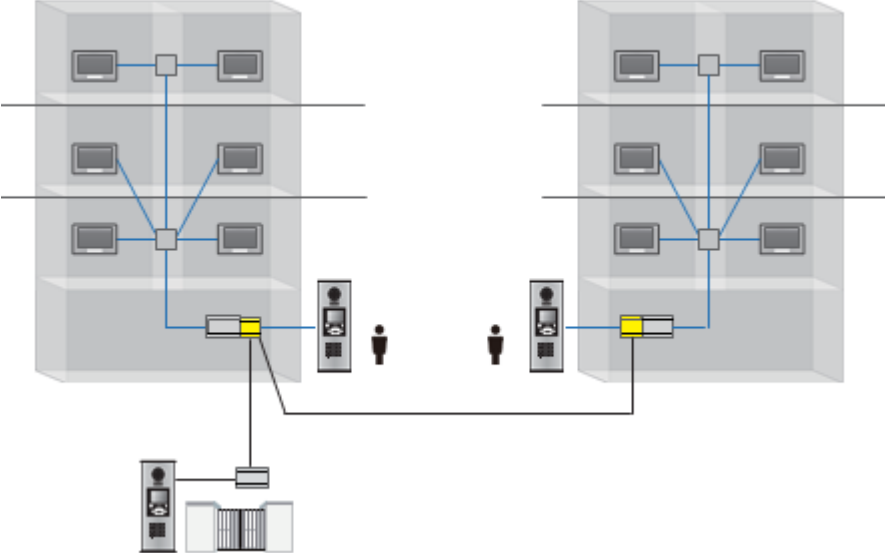




 VSP 802

Wiring diagram:

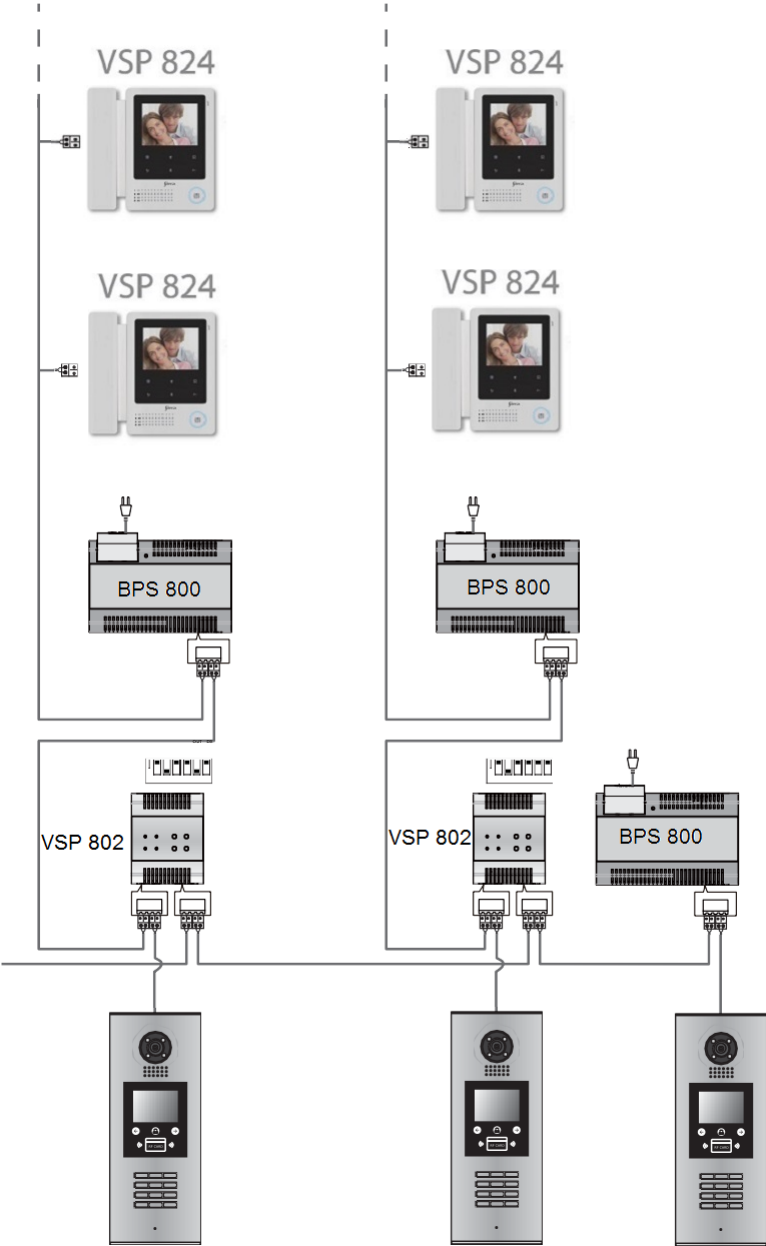


3.3 Gateway Mode: In this mode, the first door station can call all the monitors and can connect up to 8 VSP 802, and each VSP 802 can connect up to 32 monitors.



- VSP 804 
- VSP 802 

Wiring diagram:



4. Specification

- Power Supply : DC24V;
 - Power consumption: Standby 13.5mA; Working 156mA;
 - Working Temperature: $-15^{\circ}\text{C}\sim+55^{\circ}\text{C}$;
 - Wiring: 2 wire, non-polarity;
 - Dimension: 90(H) \times 72(W) \times 60(D)mm.
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