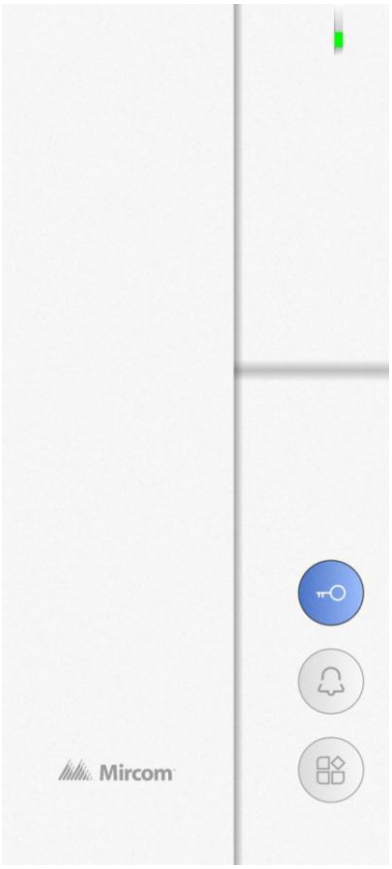
Audio Handset VX-PH1



1. Features and Functions

- Simple push-button operation
- Non-polarized 2-wire bus connection
- Dual-color status LED
- White and red LED indications
- Remote main door unlocking
- Built-in noise suppression
- Echo cancellation for improved audio clarity

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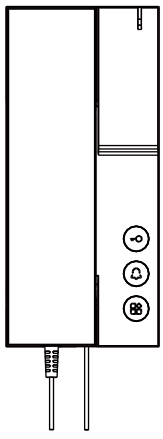
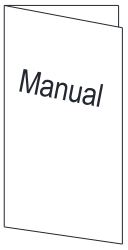
2. Specifications

	Description
Operation Method	Mechanical push-button operation
System Connection	2-wire BUS connection, non-polarized
LED Indicators	Dual-color LED indicators: white and red
Functions	Main entrance door release and doorbell operation
Address Knobs	Sets the indoor monitor address up to 999: units dial (x1), tens dial (x10), and hundreds dial (x100)
DIP Switch	Configures the monitor block and extension numbers: switches 1-6 support up to 64 blocks; switches 7-8 set the extension number
Audio Input	Built-in omnidirectional microphone
Audio Output	Built-in speaker
Audio Quality	Noise suppression and echo cancellation
Power Supply	32 VDC, supplied via BUS
Installation	Wall mount
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Relative Humidity	10% to 90% RH, non-condensing
Weight	0.16 kg (0.35 lb)
Dimensions (W x H x D)	90 x 200 x 30 mm 3.54 x 7.87 x 1.18 in)

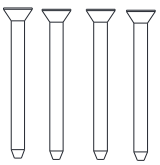
3. Packing Contents



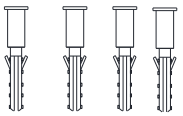
Main body



User Manual



KA M3.5*35mm
Mounting Screw



M3.5*35mm
Plastic Expansion Pipe

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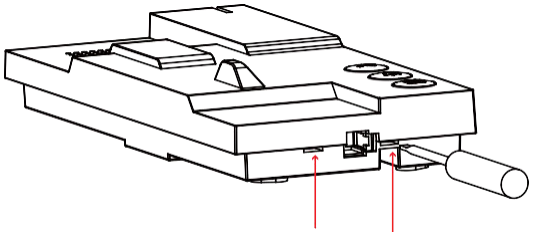
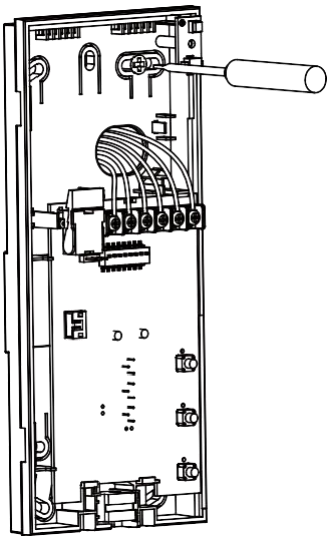
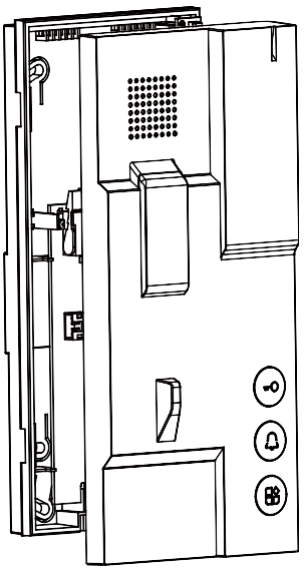
4. Installation



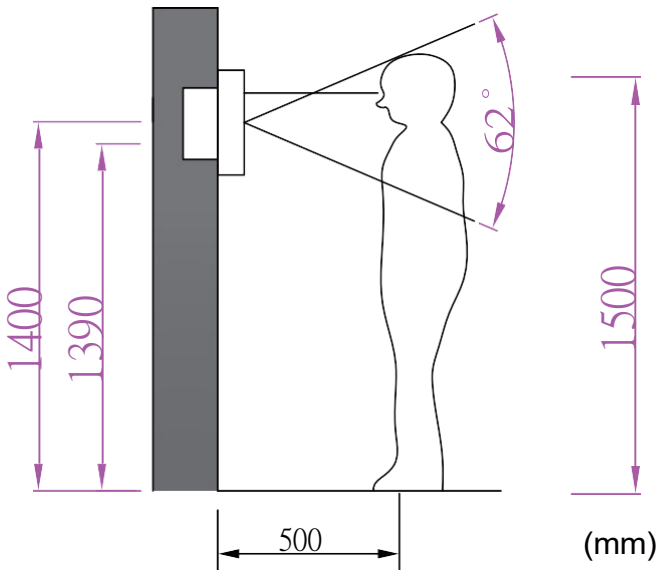
Hole for removing the front cover
eg: using a flat-head screwdriver





1. Remove the front cover first;
2. Set the physical address by knobs and DIP switch
3. Thread the wire cable through the wring hole;
4. Fix the rear housing to the wall;
5. Connect the wire according to the diagram;
6. Snap the front cover of the intercom onto the previously attached rear housing;
7. After installation, check the connections and device operation

»Monitor installation location
Standard monitor installation height is about 1,500mm where screen center is at eye level;
in this case, wall-hanging metal center is 1,450mm above ground level.



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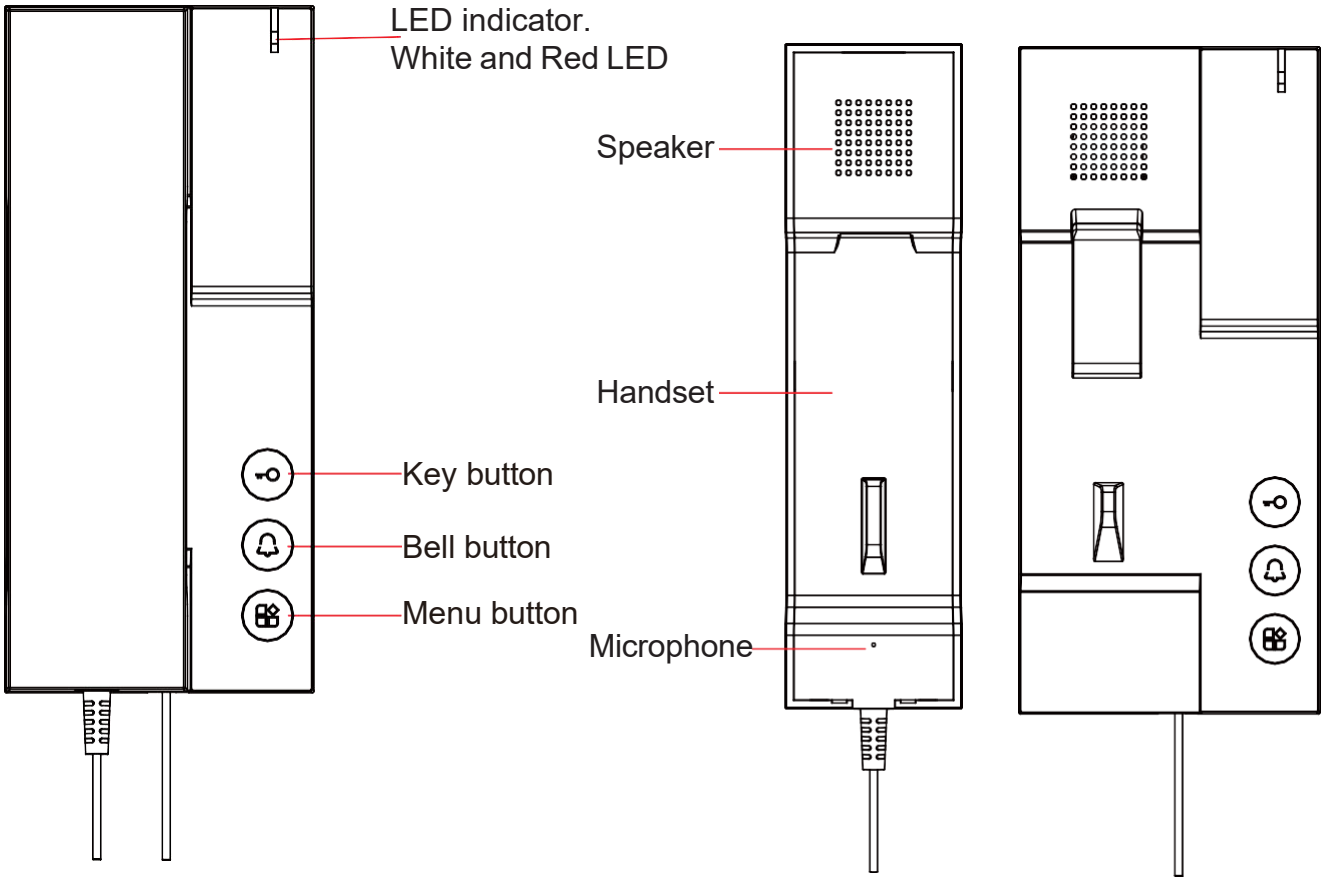
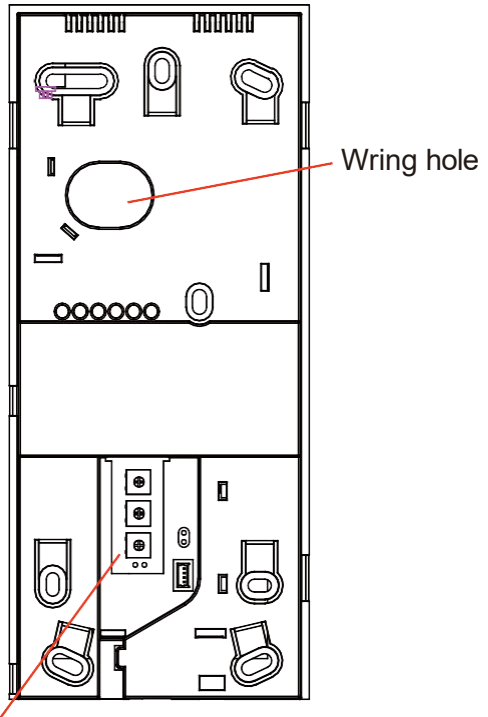
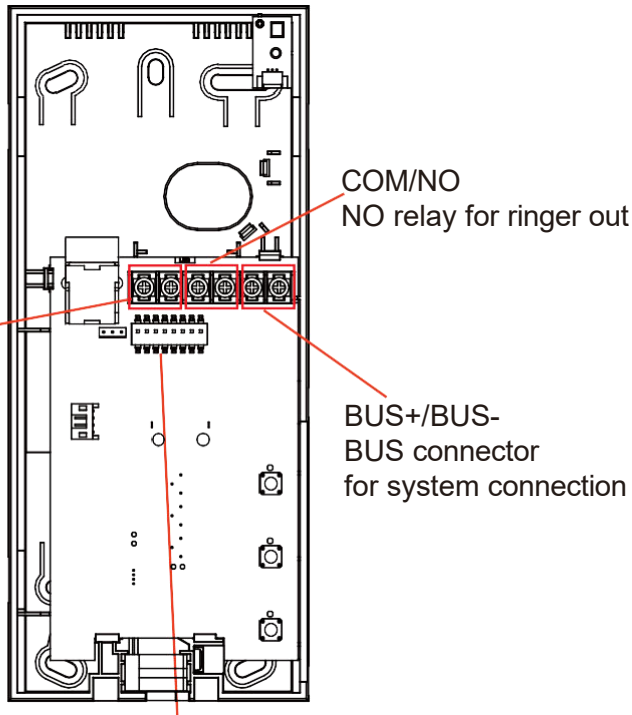
5. Name and function of each part







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DIP Switch
set block No. and extension No. of monitor Bit 1~6 for block No. (Max 64 blocks)
Bit 7~8 for master/slave extension No.

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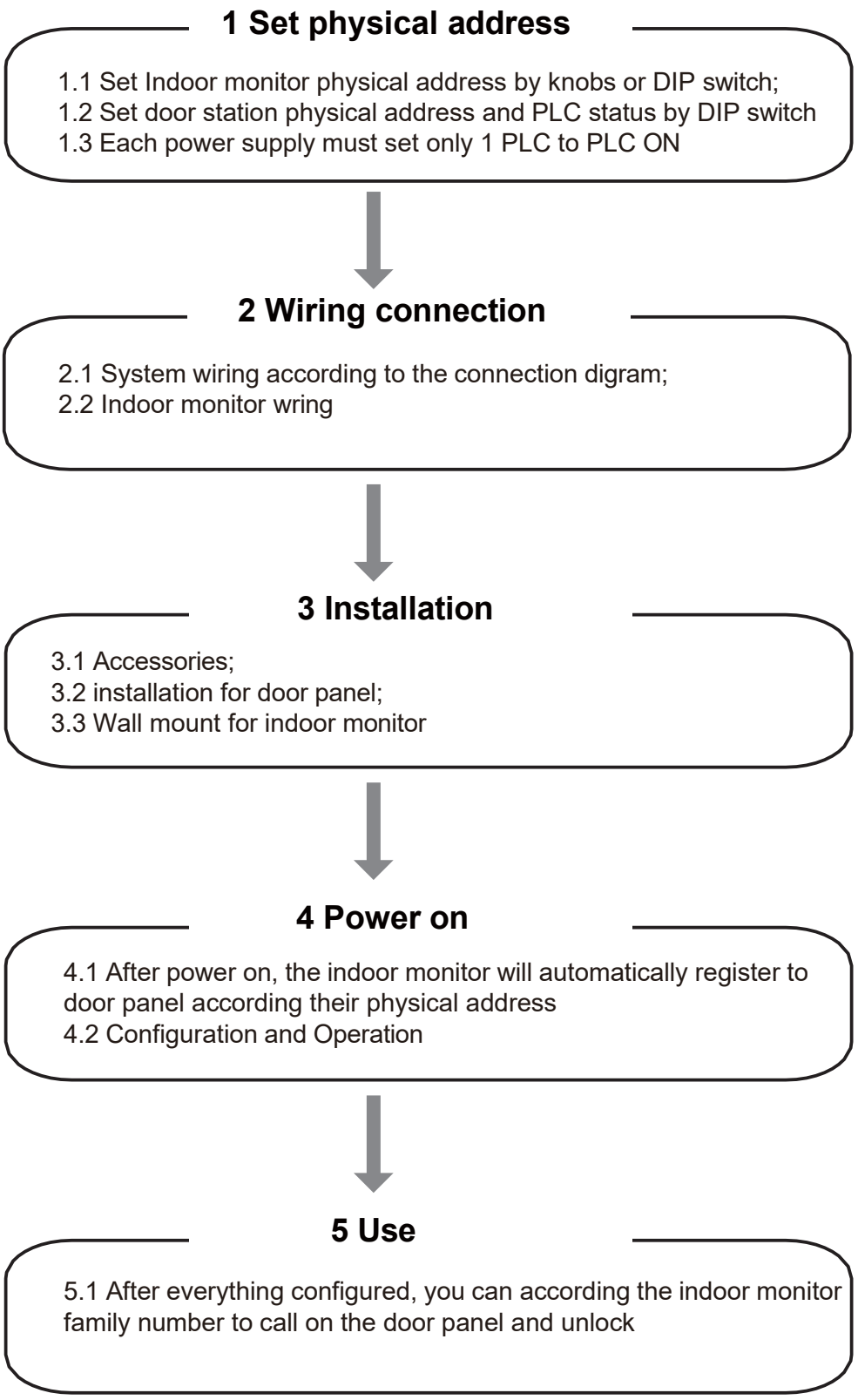
6. Quick Install Guide



Note:

1. When the DIP switches or knobs are changed, after restart, indoor monitor will register the new address to the door panel again.

2. If you want to do the factory reset, you can set the knobs and DIP Switch to default 0 and then do the factory reset, it will become the same as when it comes from factory

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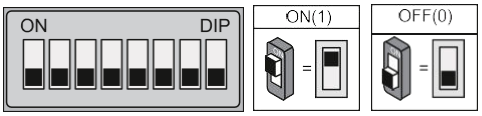
7. Physical Address Setting for Audio phone

DIP-Switch set block No. and extension No.



• 0=down=off ,1=up=on.
• Bit-1 ~ Bit 6 are used for indoor monitor block number setting. Maximum support 64 buildings
• Bit-7 ~ Bit 8 are used for extension number setting
Select master and slave, support 1 master and 3 slaves.

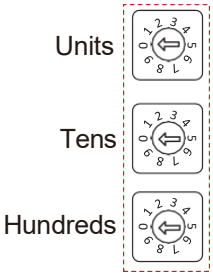
Block number setting by Bit 1~6 (Max 64 blocks)

DIP-Switch	Block No.	DIP-Switch	Block No.	DIP-Switch	Block No.	DIP-Switch	Block No.
	1		9		17		25
	2		10		18		26
	3		11		19		27
	4		12		20		28
	5		13		21		29
	6		14		22		30
	7		15		23		31
	8		16		24		32

Extension number setting by Bit 7~8

	Master		Slave 1		Slave 2		Slave 3

Family number setting



You can use the 3 knobs to set the family number,
it supports setting family number 1~799, the default is 000.

Note:

1. The default 000 is unavailable, and it cannot register to the door panel;

2. When the DIP switches or knobs are changed, it will registered the new address to the door panel again when it restart.

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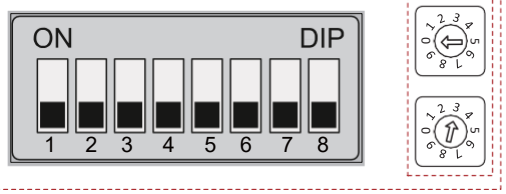
Indoor monitor Physical Address

For example:



This indoor monitor
Block No. : 1
Family No. 301
Extension No. : Master

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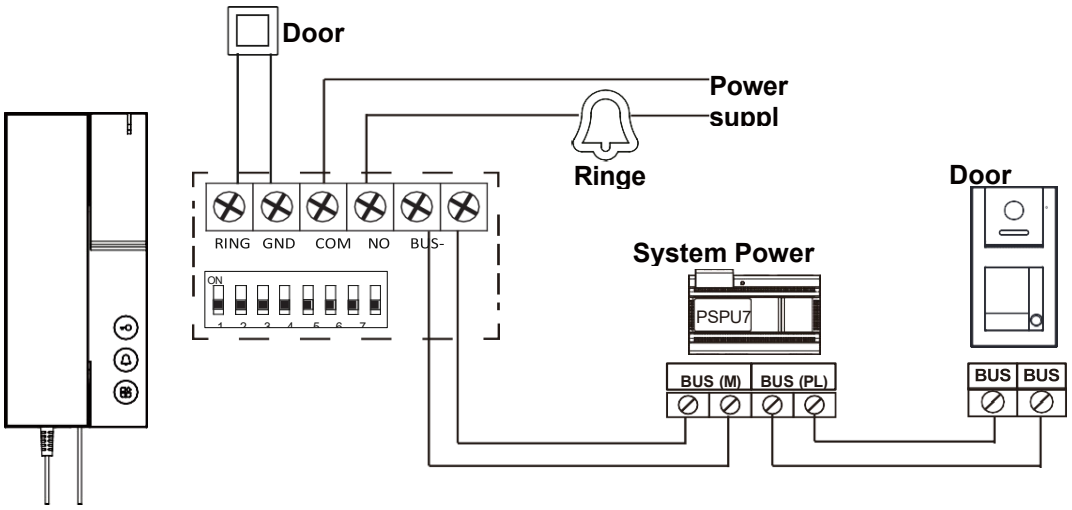
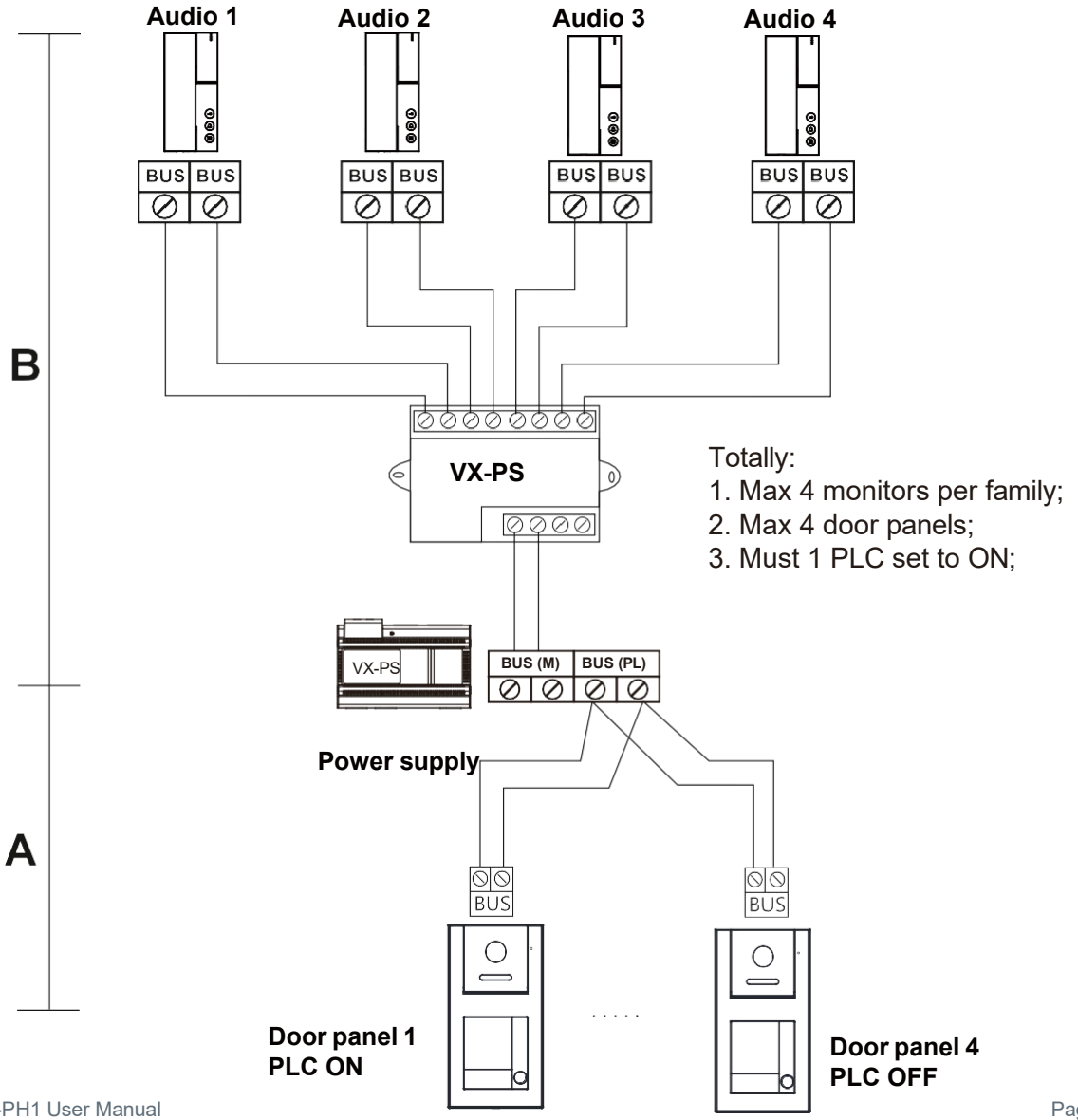
8. Connection Diagram



Connection Diagram for 1 family

Type 1 Star diagram with split：



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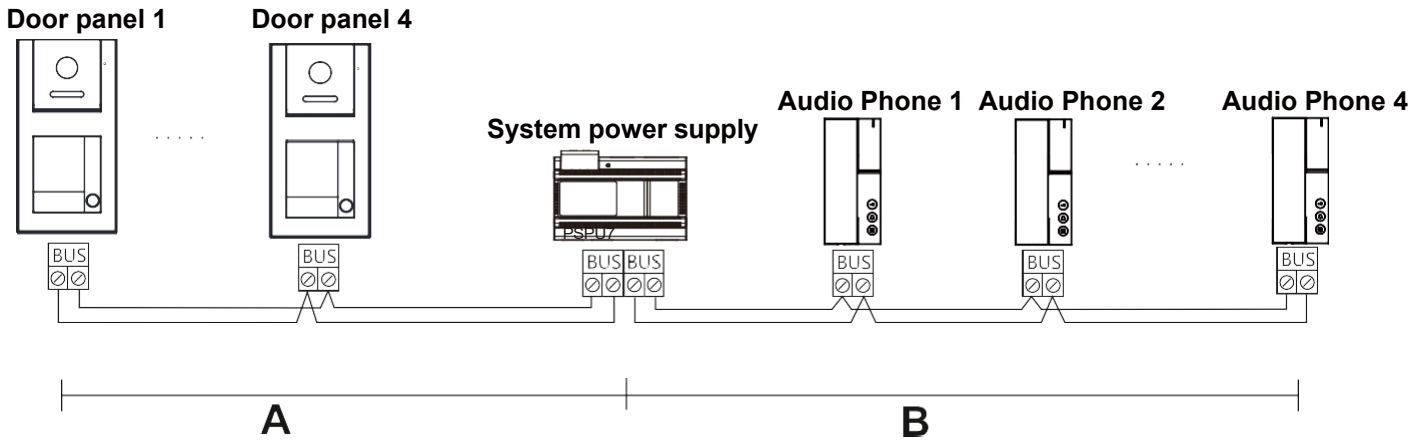
Type 2 In-Out diagram：



Cable	A	B
RVV 2 x 0,75mm²	120 m	120 m
RVV 2 x 1,00mm²	150m	150m

A. Distance between the farthest outdoor station and power supply

B. Distance between the farthest monitor and power supply

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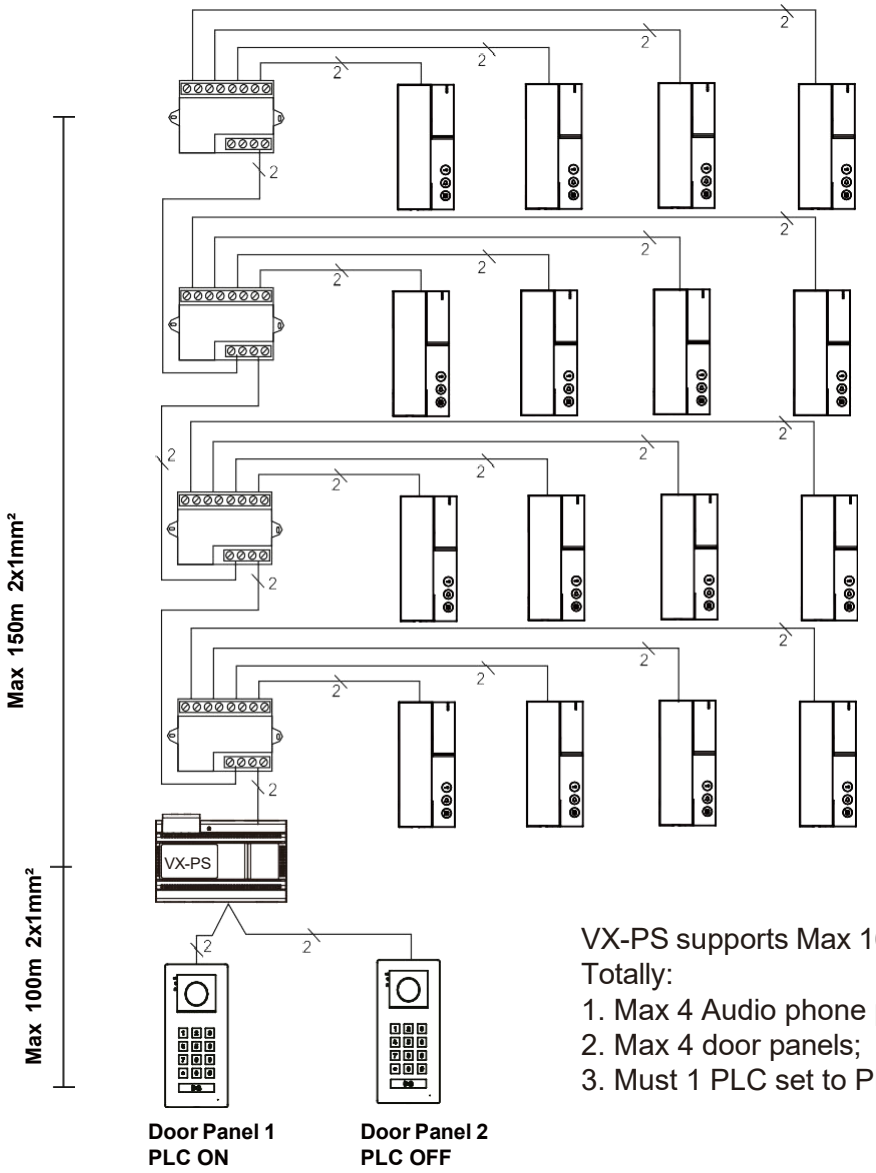
Connection Diagram for 1 power supply



VX-PS supports Max 16 monitors
Totally:
1. Max 4 Audio phone per family;
2. Max 4 door panels;
3. Must 1 PLC set to PLC ON;

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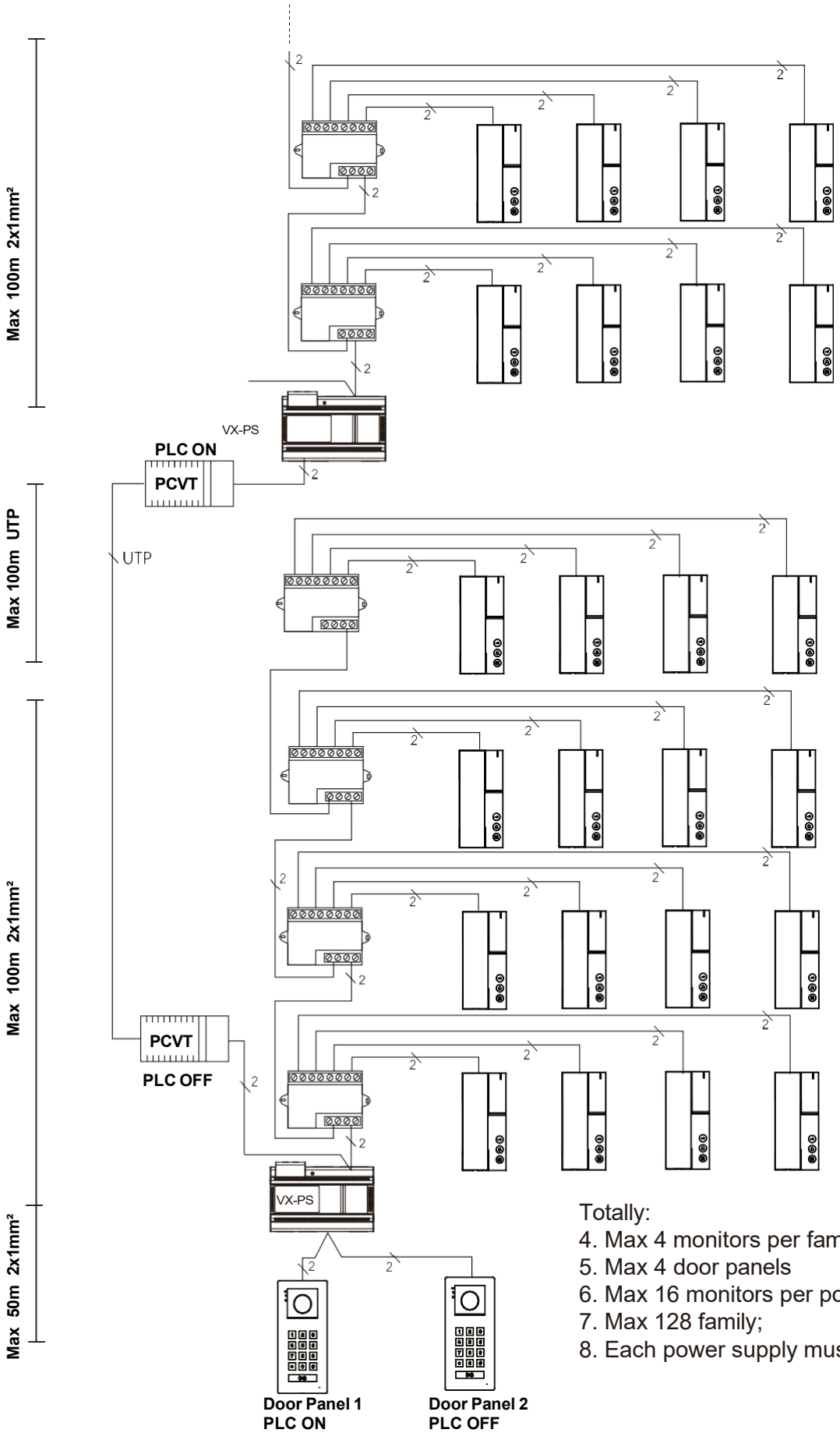
Connection Diagram for 128 families



Totally:

4. Max 4 monitors per family;
5. Max 4 door panels
6. Max 16 monitors per power supply
7. Max 128 family;
8. Each power supply must 1 PLC set to ON.

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9. How to use

1. Registration

The unit registration will happen only when:
--unit is factory reset.
--the DIP switches or knobs are changed and unit is repowered.

2. LED status

Dual color LED indicator.
--When powered. White LED steady.
--When powered + DND enabled. Red LED steady.
--when powered+ DND enabled. If there is a incoming call. Red LED quick flashing.
--when powered+ DND enabled. If there is a doorbell call. Red LED slow flashing.
--when register failed or during startup. White LED flashing
--when upgrading software. White LED and Red LED flashing alternately

3. Standby and handset off hook

3.1 Intercom call operation:

Short press bell button to start a broadcast intercom call.

3.2 Establish a communication with panel 1 operation:

Long press key button for 3 seconds and releases your finger. Accompany with 1 short beep.

3.3 Card and finger settings:

Adding card mode

--long press menu button for 5s, when you hear one beep. Release the finger.
Then shortly press X time the key button within 3s to represent the door station that u want to set. (1 time means door 1. 4 times means door 4).
Wait 5s to enter into adding card mode. Accompany with 2 short beeps And LED quick flash X time every 3s.
After adding the cards on door station to this audio apartment. Put off handset to end the adding mode to standby.

Delete card mode:

--long press bell button for 5s, when you hear one beep. Release the finger.
Then shortly press X time the key button within 3s to represent the door station that u want to set. (1 time means door 1. 4 times means door 4).
Wait 5s to enter into deleting card mode. Accompany with 2 short beeps And LED quick flash X time every 3s.
After deleting the cards on door station to this audio apartment. Put off handset to end the deleting mode to standby.

Add fingerprint mode:

--long press menu button for 8s, when u heard one beep. Release the finger.
Then short press X time the key button within 3s to represent the door station that u want to set. (1 time means door 1. 4 times means door 4).
Wait 5s to enter into adding finger mode. Accompany with 2 short beeps And LED quick flash X time every 3s.
After adding the fingers on door station to this audio apartment. Put off handset to end the adding mode to standby.

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Delete fingerprint mode:

--long press bell button for 8s, when u heard one beep. Release the finger.

Then shortly press X time the key button within 3s to represent the door station that u want to set. (1 time means door 1. 4 times means door 4). Wait 5s to enter into deleting finger mode. Accompany with 2 short beeps And LED quick flash X time every 3s.

After deleting the fingers on door station to this audio apartment. Put off handset to end the deleting mode to standby.

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10. Finish operation: put the handset on hook to finish.

4. Standby and handset on hook:
4.1 Ring volume setting:
Short press bell button to adjust the ring volume. 0-1-2-3. default level 2.

4.2 Ringtone selection setting:
Short press menu button will enter into ringtone setting mode. Accompany with 2 short beeps. After entering the mode. The current playing ringtone is for panel call. Use key button to select. While selected the wanted ringtone.
--Click bell button to confirm selection and jump to next intercom ringtone selection.
--or click menu button to confirm selection and quit ringtone setting mode. Accompany with 2 short beeps. After jumping to intercom ringtone selection. Use key button to select the ringtone. While selected the wanted ringtone.
--Use bell button to confirm selection and jump to next doorbell ringtone selection.
--or click menu button to confirm selection and quit ringtone setting mode. Accompany with 2 short beeps. After jumping to doorbell ringtone selection. Use key button to select the ringtone. While selected the wanted ringtone.
--Use bell button or menu button to confirm selection and quit ringtone setting mode
Note: if no action done in ringtone setting mode within 10s. System will quit this mode and back to standby, accompany with 2 short beep.

4.3 Factory reset operation:
Make the knobs at default 0, and the DIP switch at default off, and then
Short press key button for 2 times then short press menu button for 5 times.
(all action must be done within 5 seconds), accompany with 3 short beeps
After restart, the audio phone will return the factory status.

4.4 Finish operation: put the handset off hook to finish.

5. During communication and handset off hook
While in communication with a panel or with other indoor units:
5.1 Talk volume setting:
Short press bell button to adjust the talk volume. level 1-2-3. accompany with 1 beep.

5.2 Unlock operation:
--short press key button to release lock 1.
-short press menu button to release lock 2.

While audio phone is in ringing status. (called by panel or by other indoor units)
--Short press bell button can refuse the call and enter into standby mode.

5.3 Finish operation: put the handset on hook to finish.

6. Handset on hook and there is a call
6.1 Refuse the call operation:
While audio phone is in ringing status. (called by panel, or by other indoor units or doorbell)
--Short press bell button can refuse the call and stop ring and enter into standby mode.

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6.2 Unlock operation:
--short press key button to release lock 1.
--short press menu button to release lock 2.

6.3 Answer the call: put the handset off hook to answer the call.

7. Handset off hook and there is a call

7.1 Refuse the call operation:
While audio phone is in ringing status. (called by panel , or by other indoor units or doorbell)
--Short press bell button can refuse the call and stop ring and enter into standby mode.

7.2 Answer the call operation:
--put the handset on hook first, and then the ringtone will change to handsfree status, and then put the handset off hook to answer the call.

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