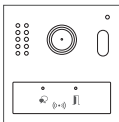
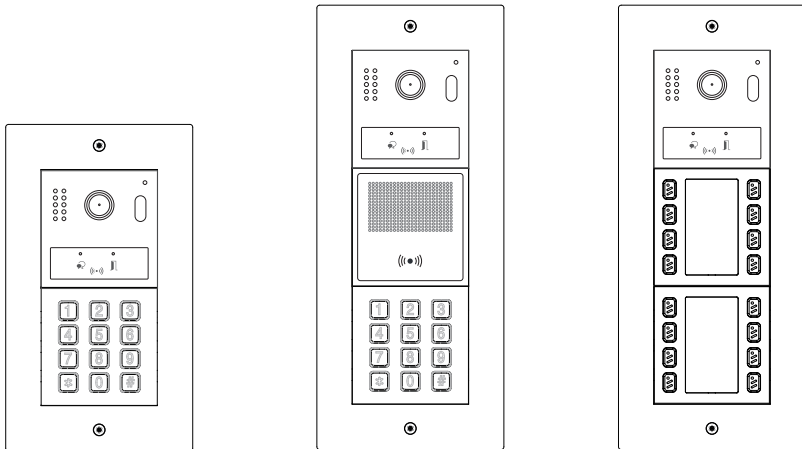


English

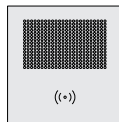
DH 821 Door Station

2-wire IP Fisheye Camera
Modularity Outdoor Station

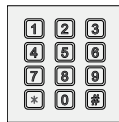
Quick Installation Guide



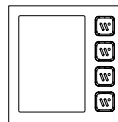
821/VD



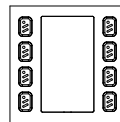
821/DR



821/MK

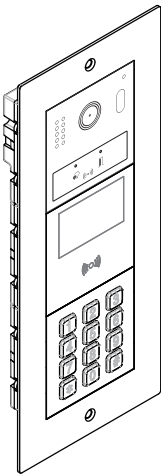
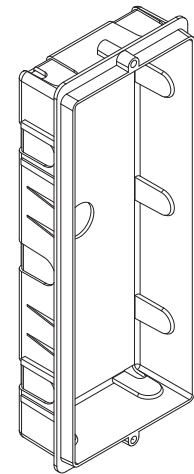
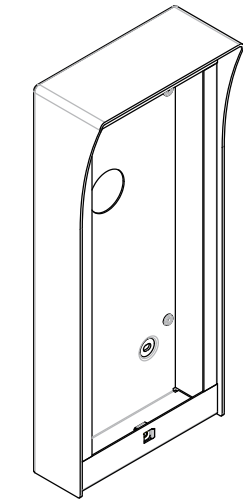
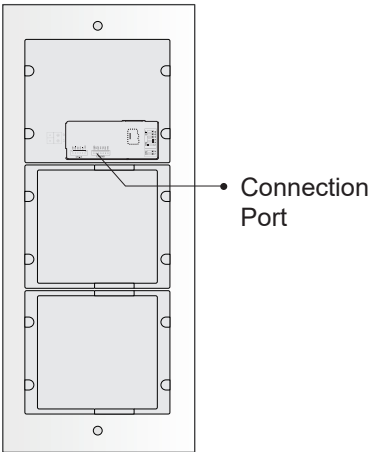
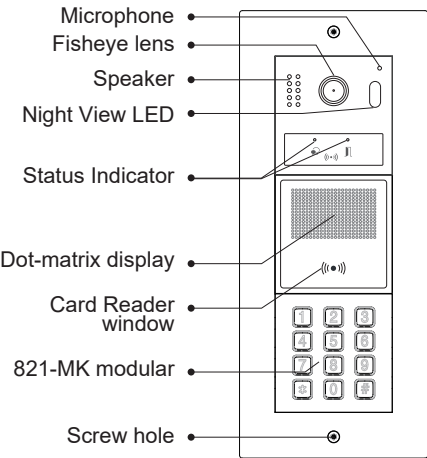


821/M4

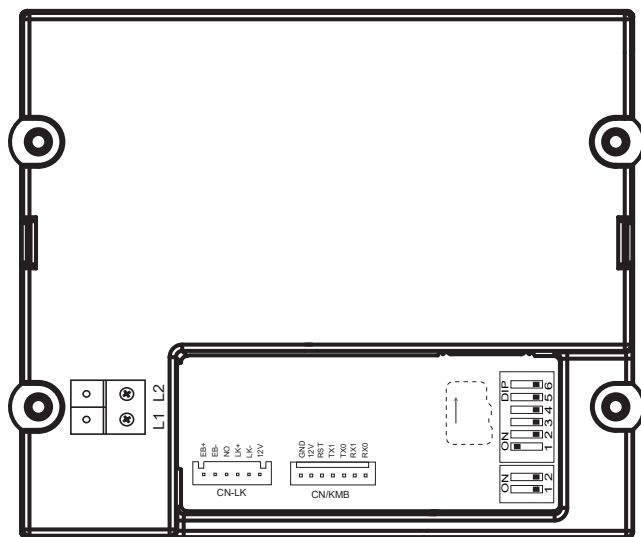


821/M8

1. Parts and Functions



2. Terminal Description



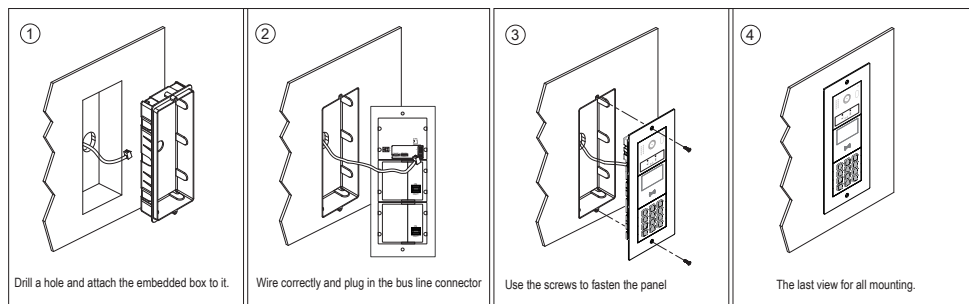
- **CN-LK:** Electric lock and exit button connection port.
12V: 12V DC power output.
LK-: power ground.
LK+: common contact of the relay.
NO: normally open contact of the relay
EB+: exit button positive connection port.
EB-: exit button negative connection port.
- **DIP1:** DIP switches for system configurations.
- **DIP2:** Reserved.
- **CN/KMB:** Call button module / Mechanical keypad module / DR module connection port.
- **Bus(L1,L2):** Non-polarity bus line, connect to power comb unit.

3. Specification

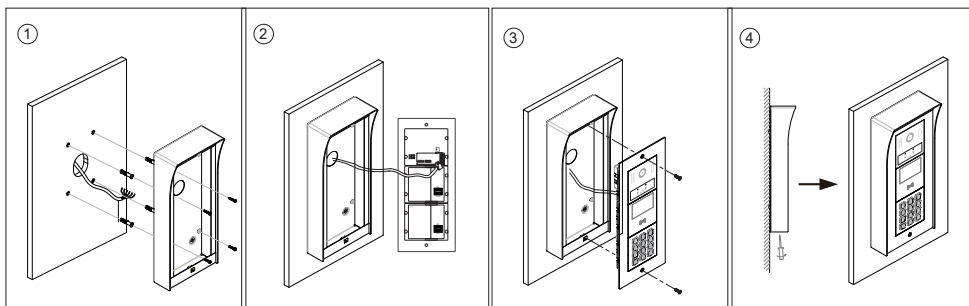
Power supply:	DC 20~28V
Camera:	1/2.7" fisheye camera, 170° wide angle
Power Consumption:	2W in standby ; 2.8W in working
Card Reader:	Support 125KHz and 13.56MHz unencrypted RFID tag
Unlock Power output:	12Vdc, 250mA
Unlock timing:	1~99s
Working temperature:	- 20°C ~ +55°C
Wiring:	2 wires (non-polarity)
Dimension:	316(H)×133(W)×48(D)mm(3 GANG) 232(H)×133(W)×48(D)mm(2 GANG)

4. Mounting

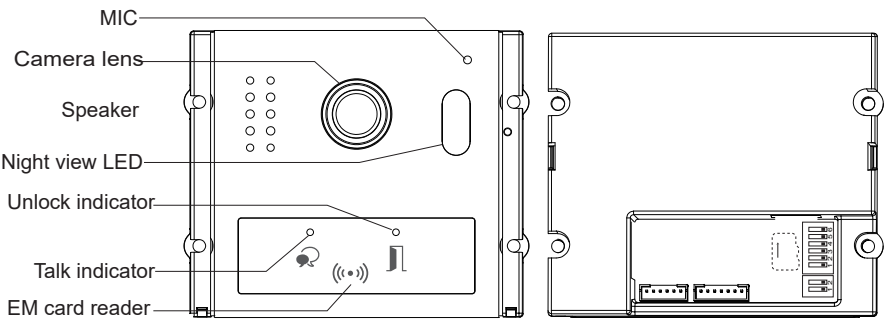
Flush mounting



Surface mounting

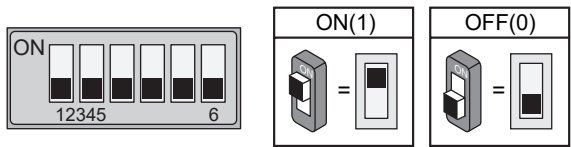


5. VD Module



(1) DIP1 Switches Settings

Totally 6 bits can be configured by dip-switch. All switches can be modified either before or after installation, please restart the power whenever the switches have been modified.



• Bit-1 to Bit-3 are used for door station ID settings.

When multi door stations are installed in the system, these two bits must be set correctly

!!The system must and can only have one door station in address1, and address 1 is a default setting, without correct settings of the address the system will not work!!

The address setting need to repower to apply, suggest set when power is off.

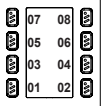
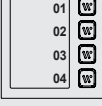
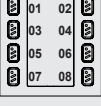
Bit state	DS ID	Bit state	DS ID
	DS 1		DS 5
	DS 2		DS 6
	DS 3		DS 7
	DS 4		DS 8

• **Bit-4 is used for setting the system type.**

0 is the default setting, and the default system type is 1 APT. If set to 1, the system type is Hybrid.

• **Bit-5 is used for set button values in positive or reverse order.**

When set to 0, the button values are in reverse order; when set to 1, the button values are in positive order.

Bit state	Call mode	
		
		

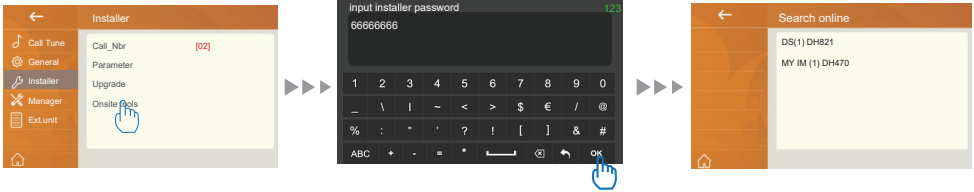
• **Bit-6:** when set to 0, use with single row button module, when set to 1, use with double row button module.

6. BASIC FUNCTIONS

Configuration via monitor remotely

Enter remote settings menu

1. On any monitor, tap “Settings” -> “Installer” -> “Onsite tool” --> input password (66666666 by default).



Parameters Setting

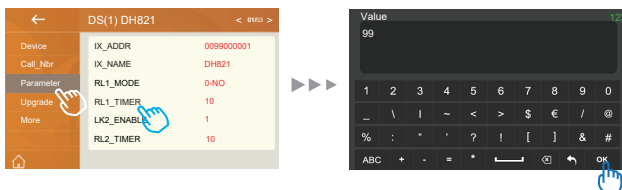
In remote setting menu of DH821 , tap“Parameter” -> page 1 ->“IX_NAME”:Modify the name of the door station displayed on the monitor



page 1 ->“RL1_Mode”: to change the lock output of the door station, input 0 means“NO-Normally open”(by default), input 1 means“NC-Normally close”



page 1 ->“RL1_TIMER”: to change the unlock time, input numbers range from 01-99 seconds (10s by default).



page 1 ->“LK2_ENABLE”: to enable or disable lock 2,0 means not enabled and 1 means enabled(need to work with DH-RL1)



Parameters Setting

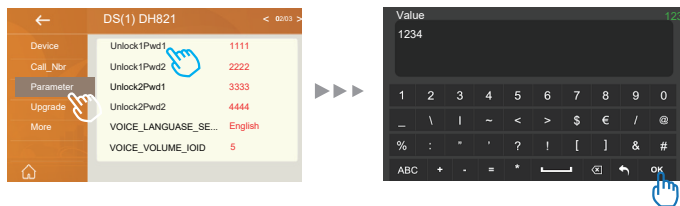
Page2 -> (to set the public unlock code)

“Unlock1Pwd1”: change the first unlock code (4-digits) for LOCK1, 1111 by default

“Unlock1Pwd2”: change the second unlock code (4-digits) for LOCK1, 2222 by default

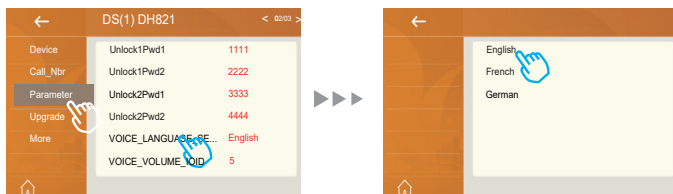
“Unlock2Pwd1”: change the first unlock code (4-digits) for LOCK2 (need to work with DH-RL1 accessory), 3333 by default

“Unlock2Pwd2”: change the second unlock code (4-digits) for LOCK2 (need to work with DH RL1 accessory), 4444 by default

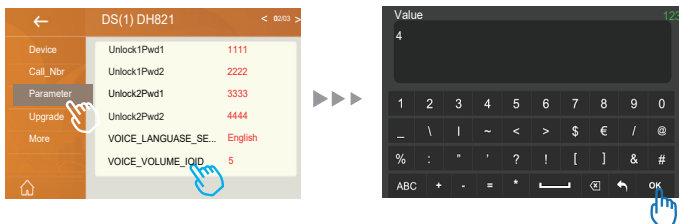


Page2 -> (to set the Voice prompt tone)

“VOICE_LANGUAGE_SETTING”: change the voice prompt tone at the door station.

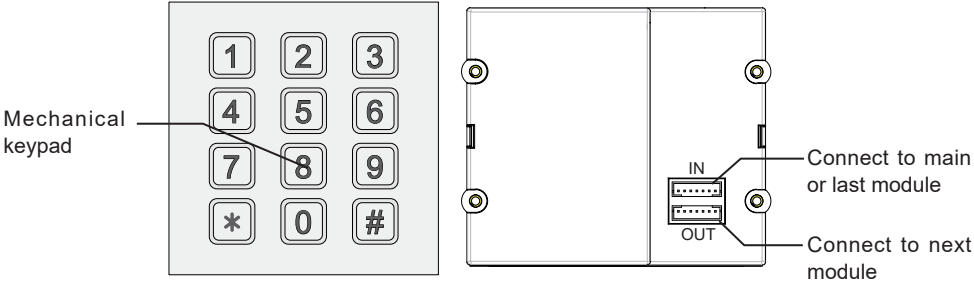


“VOICE_VOLUME_I0ID”: change the volume of the voice prompt tone at the door station, 4 by default, The range is 1-9, where 1 is the lowest and 9 is the loudest.



7. Module

MK Module



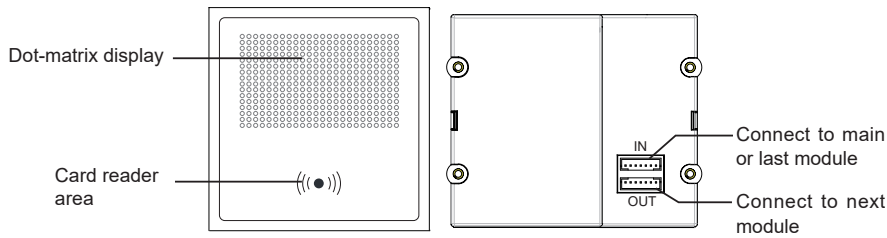
Call monitor

Press digital button to input room number / address, press “#” button to activate the call.

Unlock

On MK module, input “# +Unlock code#” to unlock.
For example: On MK module, input “#1111#” to unlock.

DR Module



Dot-matrix: 16 x 24 dot matrix display.

Card Reader: support 125KHz and 13.56MHz unencrypted RFID tag.

Features

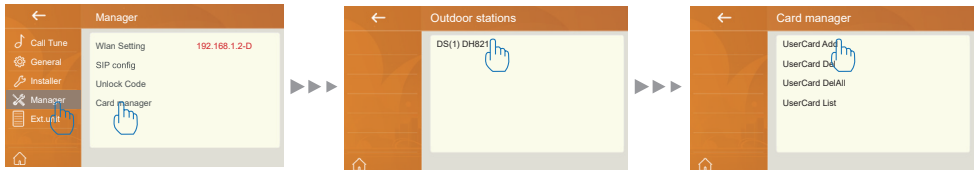
- Management via monitor
- The distance of card reading is from 3 to 5 cm

Card Operation

• Add user card

“Settings” ->“Manager” ->“Card manager” and select the door station needs to manage.

(if not see your door station check in monitoring list and back to here)



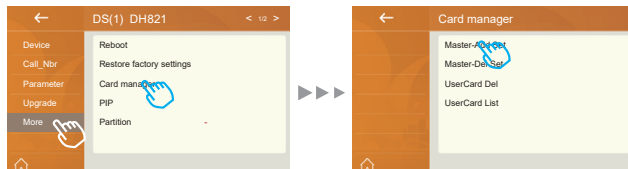
Tap“UserCard Add”, and in the input menu, to input the card NO. on the card, or tap the card on the door station

• Delete user card

Tap“UserCard Del”, and select the card needs to remove.
Or Tap“UserCard DelAll”. and ALL user card will be deleted.

• Add Management card

In remote setting menu of DH821,tap“More..” ->“Card manager”



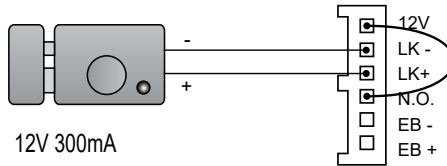
Tap“Master-Add Set or Master- Del Set”, and in the input menu, to input the card NO. on the card, or tap the card on the door station

8. Electric Lock Connection

Door Lock Controlled with Internal Power

Note:

1. This mode only supports electromagnetic locks.
2. Electromagnetic lock of Power-off-to unlock type should be used.
3. The door lock is limited to 12V, and holding current must be less than 250mA.
4. The Unlock Mode Parameter of Monitor must be set to 0-NO (by default).

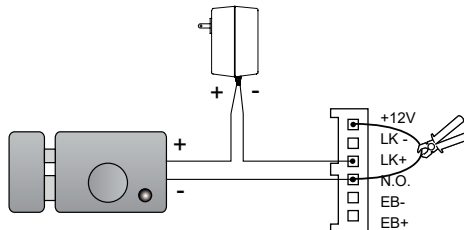


set to Normally open on the Unlock Relay mode

Door Lock Controlled with Dry Contact

Note:

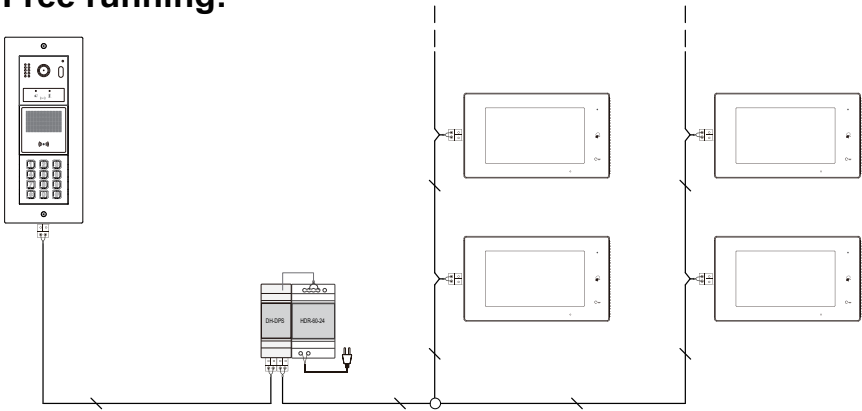
1. The external power supply must be used according to the lock.
 2. The inside relay contact is restricted to AC or DC 24V/1A.
 3. Setup the Unlock Mode of Monitor for different lock types.
- Power-on-to-unlock type:Unlock Mode=0-NO (by default)
 - Power-off-to-unlock type:Unlock Mode=1-NC



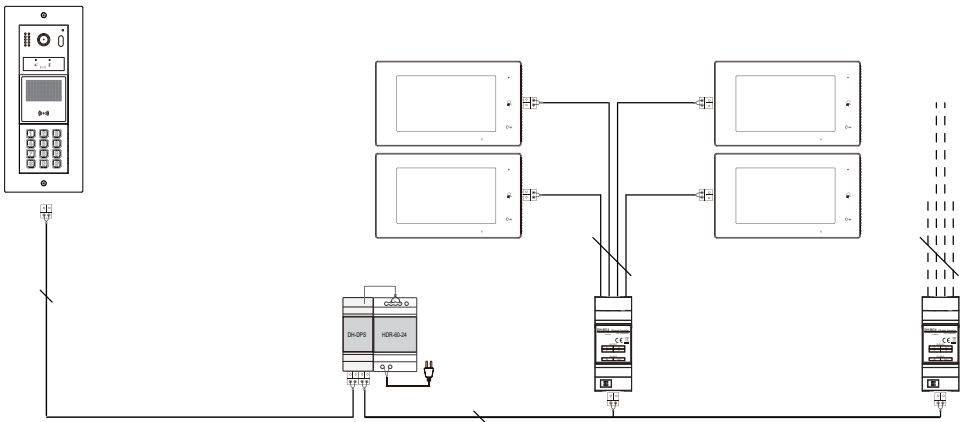
set to Normally Open on the Unlock Relay mode (default)

9. Wiring

Free running:



Structured cabling :



DH-ENG-821-V1

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