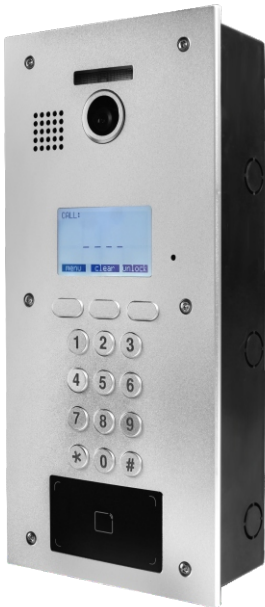


Installation Manual and Programming Guide



VIDEO INTERCOM SYSTEM
2-wire Door Station

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Getting Started

Thank you for choosing our Video Intercom System! We are proud to introduce the new updated 2-wire system, providing a straightforward installation, and a simple, intuitive user experience.

This manual includes installation steps, programming instructions, and wiring diagrams.

Please read all instructions in this manual carefully, and check all components before installing them in the building. We recommend installing and testing one component at a time (ie. room stations) making it easier to detect a potential error before completion.

Attached at the end of this installation section is a detachable End-User manual.

Feel free to detach the page, make copies, and distribute to your tenants for their reference.





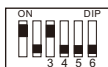
Call--0008
Room ID=008



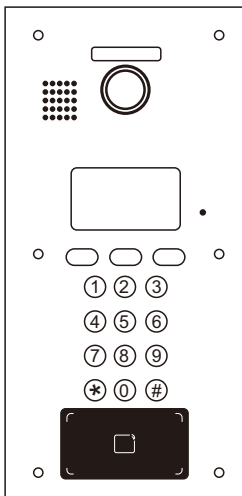
Call--0007
Room ID=007



Call--0006
Room ID=006



Call--0005
Room ID=005



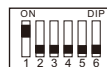
Call--0004
Room ID=004



Call--0004
Room ID=003

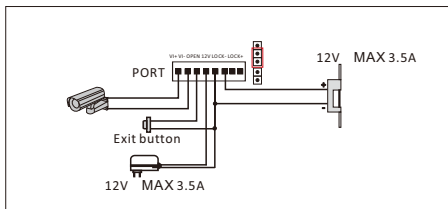
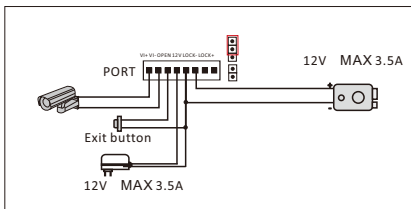
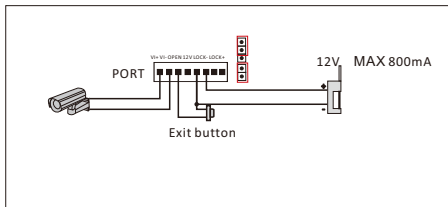
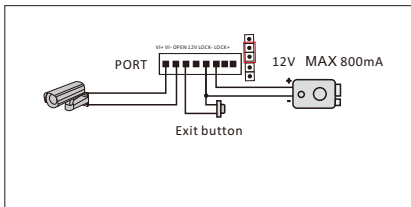


Call--0002
Room ID=002



Call--0001
Room ID=001

Electric Lock



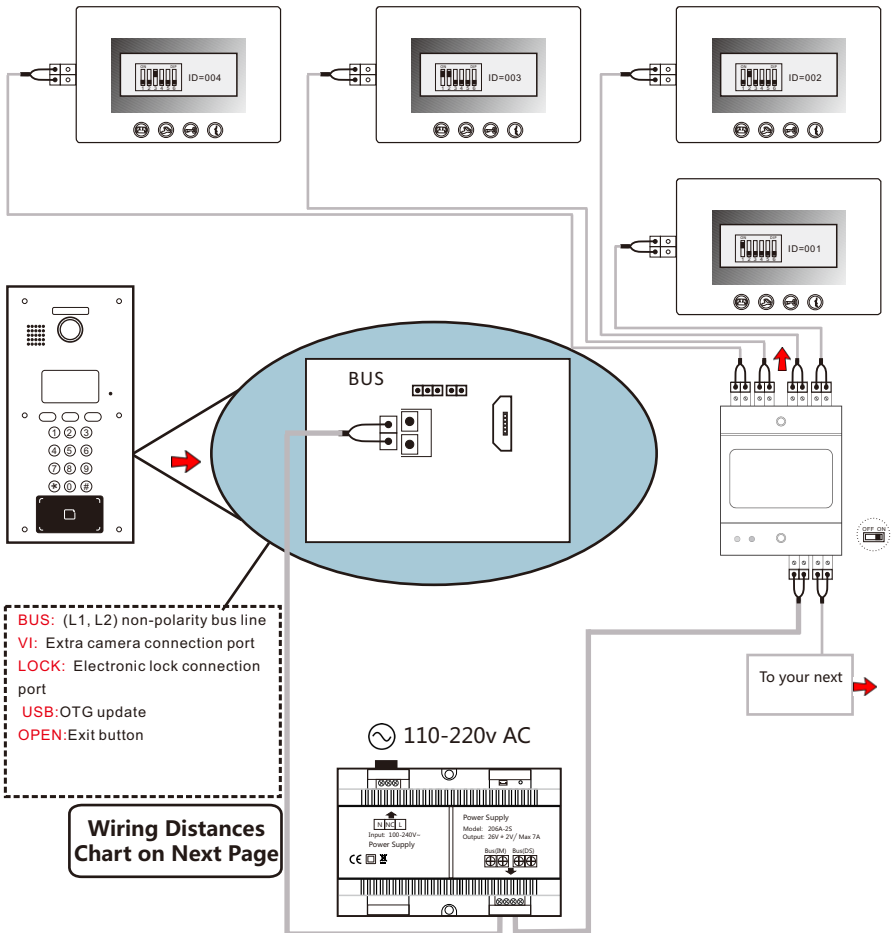
Set-Up/Installation

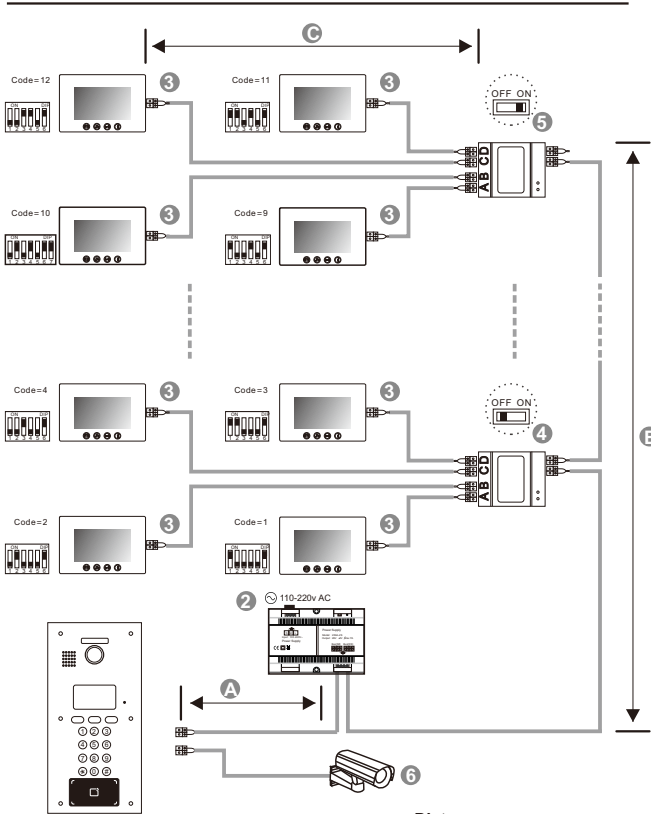
Wiring

Below is a sample four-monitor, single-entry wiring diagram using minimum 18-awg, unshielded, stranded wire. Please take careful note of the monitor bit-codes.

The diagram on the next page shows a 32-monitor configuration with an additional camera.

Take note of the distance chart at the bottom of the page to ensure your wire distances are under the listed limits.





Legend

[1]: Door station, door id 01.

[2]: Power supply: Integrated power supply no need connect with power separator. Conventional power supply must connect with power separator.

[3]: Monitor, each one with an unique User Code, note that all the bit-6 of the DIP should be set to 1(ON) in this case.

[4]: Video distributor set switch to OFF unless at the end of the line.

[5]: Video distributor set switch to ON at the end of the line.

[6]: Extra camera.

Distances

When monitor quantity < 20

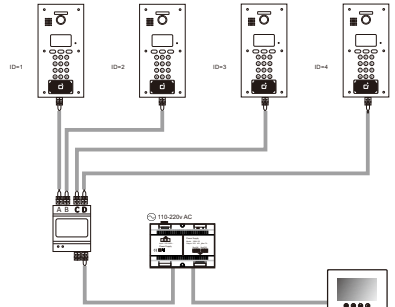
Cable Usage	A	B	C
Parallel cable 2X0.75mm ²	60m	60m	30m
Parallel cable 2X1mm ²	80m	80m	40m

When monitor quantity > 20

Cable Usage	A	B	C
Parallel cable 2X1mm ²	60m	60m	30m
Parallel cable 2X1.5mm ²	80m	80m	40m

5. System Connection

Multi door station



Programming

Answering a door call

Press **CALL** button on door station, the monitor rings, the **CALL** visitor can be seen on the monitor screen. If nobody answers the call, the screen will automatically turn off in 60 seconds.

To answer an incoming call, press **TALK** to answer, calls last for 60 seconds, **DO NOT** have to hold talk to enable voice communication. Press **TALK** again to end the conversation. If the system connects with two or more monitors, answering any monitor, the others will turn off automatically.

If there is an extra camera, during and incoming call, press **MONITOR** switch to see the view of extra camera.

Door Release

During the conversation with the visitor, press **UNLOCK** button to unlock the door.

Monitoring

Press **MONITOR** button while in standby mode you will be able to see the view of outdoor station camera. Press **MONITOR** again switch to next door stations camera or extra camera. Press **TALK** button twice to exit. (firstly you should finish setting door station camera and extra camera, see below).

How to set door station camera and extra camera?

Keep pressing **ALARM** button until you hear a long beep. Start setting state of multiple door stations and extra cameras. Press **MONITOR** as many times as the quantities of specific code of door state.

For example :

There are 3 door stations, 2 door stations with extra camera, specific code of door state is 8.

Keep press **ALARM** (Long beep) – press **MONITOR** 8 time – press **ALARM**

There are 1 door stations, 0 door station with extra camera, specific code of door state is 1.

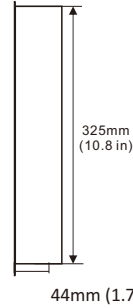
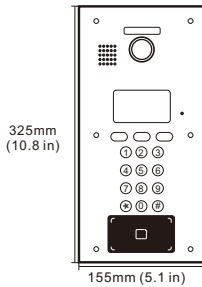
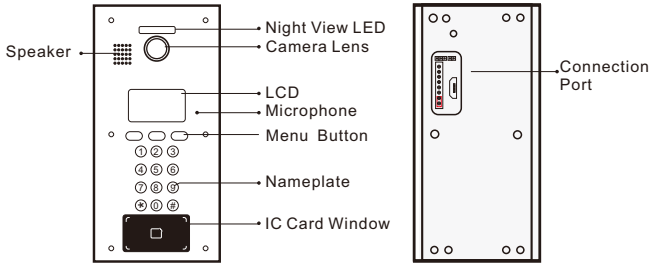
Keep press **ALARM** (Long beep) – press **MONITOR** 1 time – press **ALARM**

Bit state	User Code	Bit state	User Code	Bit state	User Code
	Code=1		Code=12		Code=23
	Code=2		Code=13		Code=24
	Code=3		Code=14		Code=25
	Code=4		Code=15		Code=26
	Code=5		Code=16		Code=27
	Code=6		Code=17		Code=28
	Code=7		Code=18		Code=29
	Code=8		Code=19		Code=30
	Code=9		Code=20		Code=31
	Code=10		Code=21		Code=32
	Code=11		Code=22		

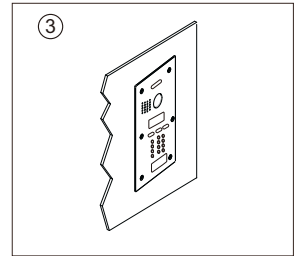
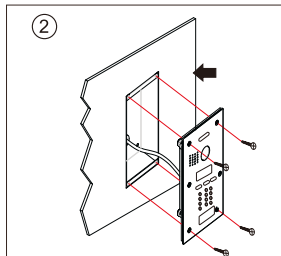
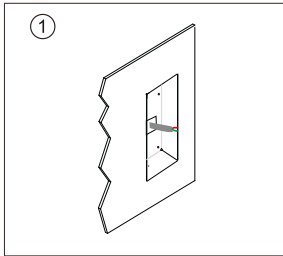
The form of the special code of the door state is as follows:

Door state	Specific code	Door state	Specific code	Door state	Specific code	Door state	Specific code
1 Door Cam	Code=1	2 Door Cam	Code=5	3 Door Cam	Code=9	4 Door Cam	Code=13
1 Door Cam	Code=2	3 Door Cam	Code=6	4 Door Cam	Code=10	4 Door Cam	Code=14
2 Door Cam	Code=3	3 Door Cam	Code=7	4 Door Cam	Code=11		
2 Door Cam	Code=4	3 Door Cam	Code=8	4 Door Cam	Code=12		

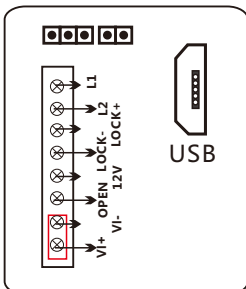
Parts and Functions



Mounting

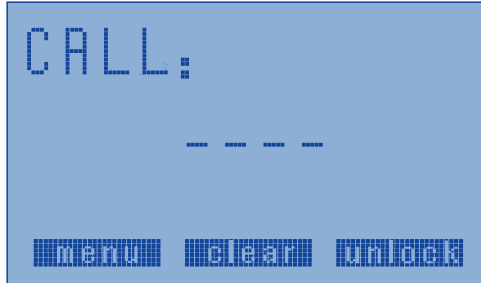


Terminal Description



- BUS: (L1, L2) non-polarity bus line
- VI: Extra camera connection port
- LOCK: Electronic lock connection port
- USB: OTG update
- OPEN: Exit button

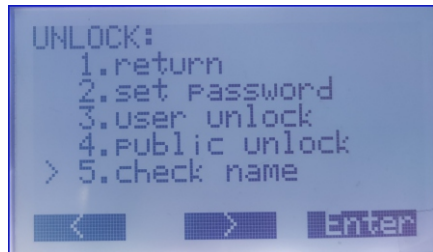
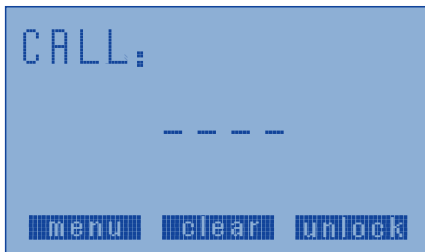
MENU



Operation interface as below

Four figures calling room number.

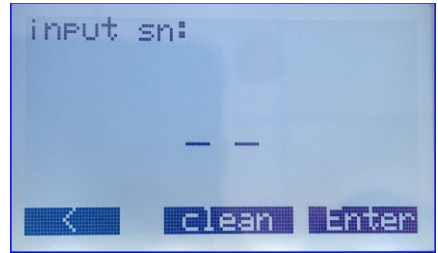
- 0001-0999, from room number 1 to room number 999.
- 1001-1032, from room number 1 to room number 32.
- 2001-2032, from room number 33 to room number 64.
- 3001-3032, from room number 65 to room number 96.
- 4001-4032, from room number 97 to room number 128.
- 5001-5032, from room number 129 to room number 160.
- 6001-6032, from room number 161 to room number 192.
- 7001-7032, from room number 193 to room number 224.
- 8001-8032, from room number 225 to room number 256.
- 9001-9032, from room number 225 to room number 256.



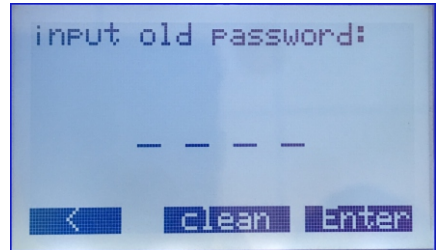
1. Back to main interface
2. Setting unlock password
3. User unlock
4. Public user unlock
5. Check names.

Choose 2 enter setting unlock password

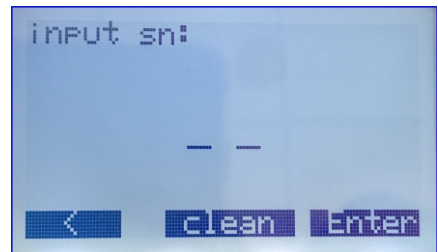
Input room number
1-64 are users room number
unlock password.
65 is public unlock password
0 is administrator password
Input old password.



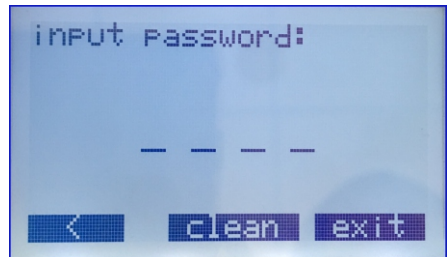
Input new password.



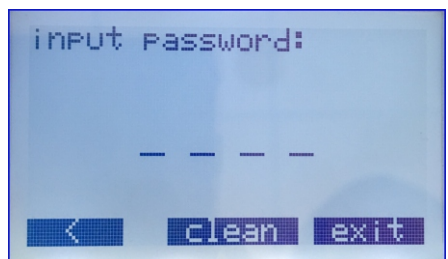
Choose 3 to enter user unlock.



Input room number, then input password.



Choose 4 is enter public unlock.



Input unlock password, default 8888.

```
input Password:
-----
< clean exit
```

Choose menu, enter manual interface.

```
CALL:
-----
menu clear unlock
```

Input administrator password, default 1234.
Choose 1, back to main interface.
Choose 2, setting unlock time.

```
MENU:
 1 .return
 2 .set locktime
> 3 .delete all
 4 .setSPassword
 5 .user unlock
 6 .public unlock
< > enter
```

Input 3 figures unlock time, unit is 100MS.

```
input Password:
-----
< clean exit
```

```
set lock time:100ms
-----
< clean enter
```

Choose 3, formatted data.

```
MENU:
 1 .return
 2 .set locktime
> 3 .delete all
 4 .setSpassword
 5 .user unlock
 6 .public unlock
< > Enter
```

Input administrator, default 1234.

```
input password:
-----
< clean exit
```

Choose 4, setting user password.
1-64 are user room number unlock password.
65 is public unlock password
0 is administrator password

```
MENU:
 1 .return
 2 .set locktime
> 3 .delete all
 4 .setSpassword
 5 .user unlock
 6 .public unlock
< > Enter
```

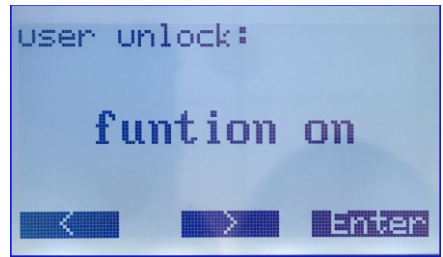
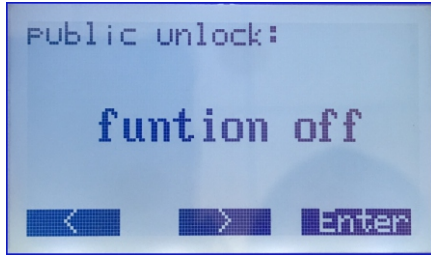
Choose 5, turn on/off user unlock.

```
public unlock:
funtion off
< > Enter
```

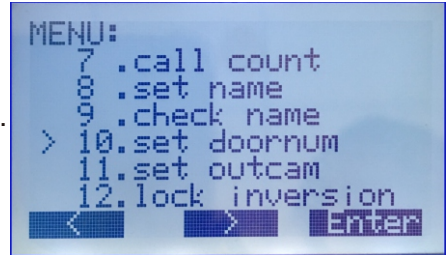
```
user unlock:
funtion on
< > Enter
```

Choose 6, turn on/off public unlock.

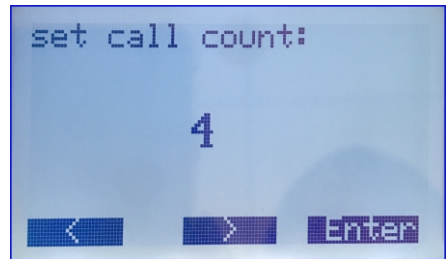
```
MENU:
 1 .return
 2 .set locktime
> 3 .delete all
 4 .setSpassword
 5 .user unlock
 6 .public unlock
< > Enter
```



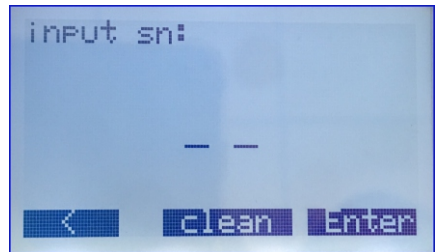
Choose 7, setting calling digit.
Choose 8, setting name.
Choose 9, checking name.
Choose 10, setting door station ID.
Choose 11, setting turn on/off external camera.
Choose 12, setting unlock state reverse.



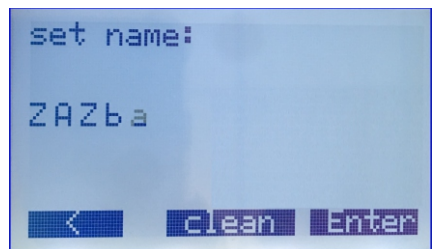
Choose 7, input calling number 2 or 4.



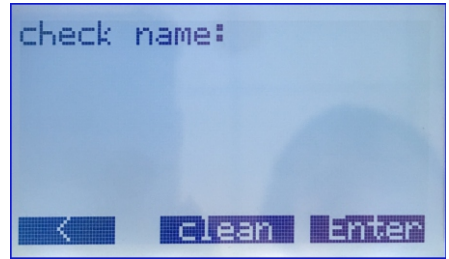
Choose 8, setting name, input room number.



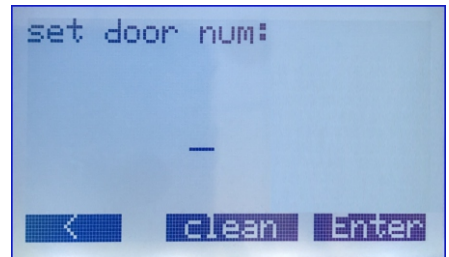
Button 4 is for move left, button 8 is move right, button 2 and 8 are choose letters, button 1 is uppercase and lowercase switch.



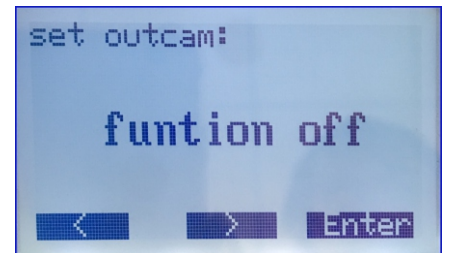
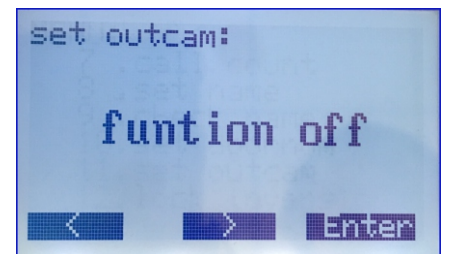
Choose 9, check names.



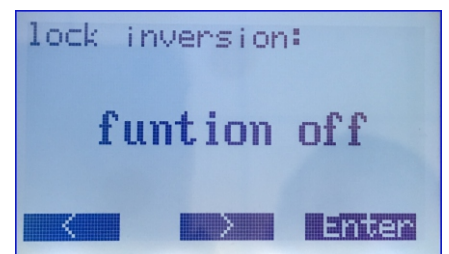
Input room number, check names.
Choose 10, choose door station
ID, input 1 to 4.



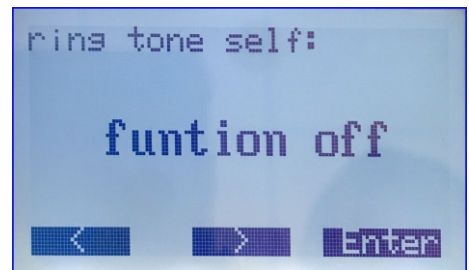
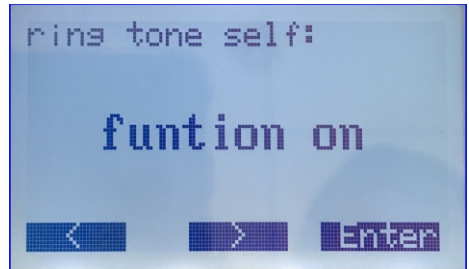
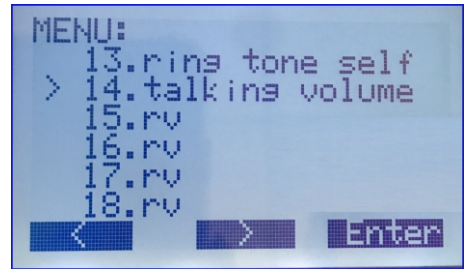
Choose 11, choose turn on/off
external camera.



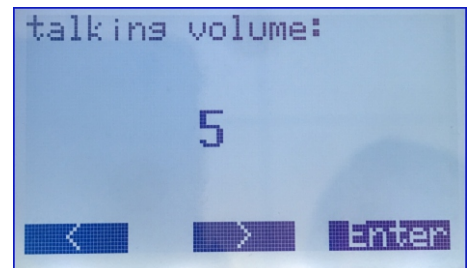
Choose 12, setting unlock
direction.



Choose 13, turn on/off ringing.



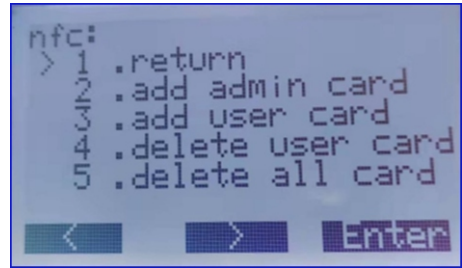
Choose 14, setting talkback volume.



Choose 15, nfc



- 1 is back to main menu.
- 2 is record admin card.
- 3 is add one user card.
- 4 is delete one user card.
- 5 is formatting all the card.



Specification

Power Supply:	DC 24V
Power Consumption:	1W in standby, 5W in working
Unlock Power output:	12Vdc, MAX 800mA
Unlock Timing:	1s, 5s, 10s, 15s
Working Temperature:	-20°C~ +55°C

