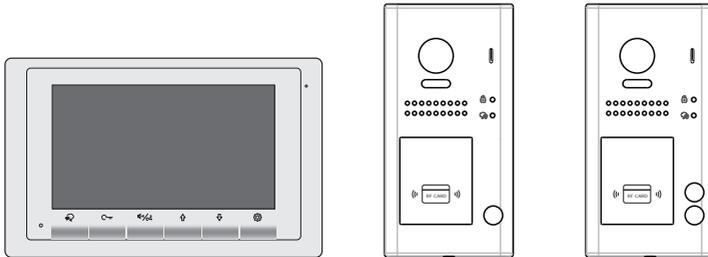


# 2 WIRE INTERCOM SYSTEM

## DK1711-22 KIT

### Quick Guide



Please read this manual carefully before using the product you purchase, and keep it well for future use. We reserve the right to modify the specification in this manual at any time without notice.



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## 1. Product Lists Of Kits

### **Kit DK1711/ID consists of**

- 1\* Outdoor Station- DT607C/ID-S1
- 1\* Indoor Unit- DT17S
- 1\* Power Supply with UL approved- DR-30-24
- 1\* Power Separator- DT-DPS-DR
- 1\* DIN Rail
- 1\* Relay- DS-ERL
- 1\* AWG18 Power Cable
- 2\* Management Cards- Add Card & Delete Card
- 5\* Proximity Cards

### **Kit DK1721/ID consists of**

- 1\* Outdoor Station- DT607C/ID-S1
- 2\* Indoor Unit- DT17S
- 1\* Power Supply with UL approved- DR-30-24
- 1\* Power Separator- DT-DPS-DR
- 1\* DIN Rail
- 1\* Relay- DS-ERL
- 1\* AWG18 Power Cable
- 2\* Management Cards- Add Card & Delete Card
- 5\* Proximity Cards

### **Kit DK1722/ID consists of**

- 1\* Outdoor Station- DT607C/ID-S2
- 2\* Indoor Unit- DT17S
- 1\* Power Supply with UL approved- DR-30-24
- 1\* Power Separator- DT-DPS-DR
- 1\* DIN Rail
- 1\* Relay- DS-ERL
- 1\* AWG18 Power Cable
- 2\* Management Cards- Add Card & Delete Card
- 5\* Proximity Cards

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## 2. System Connection

### Notes:

[1] DT607C/ID-S1 (One button).

The code address of indoor units start at 0-15 (switch all DOWN).

[2] DT607C/ID-S2 (Two buttons)

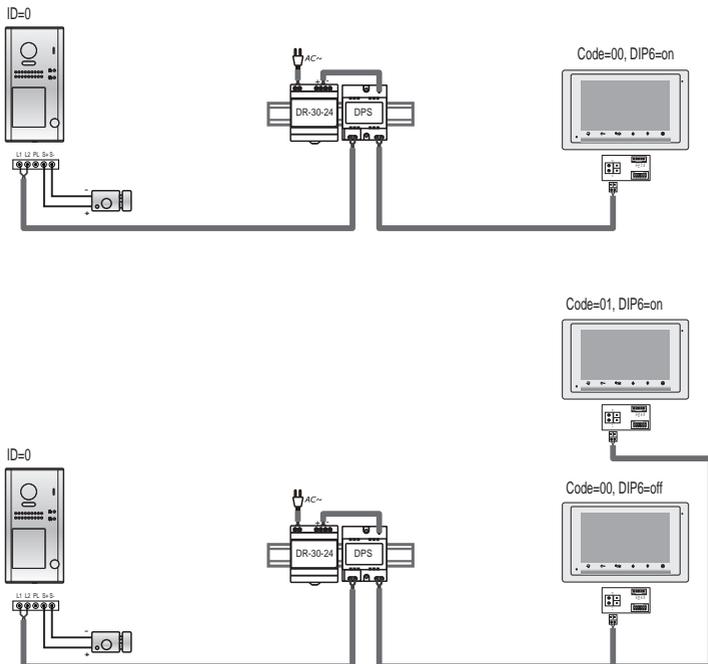
For the first button (from bottom to top), the code address of indoor units start at 0-15 (switch all DOWN).

For the second button, the code address of indoor units start at 16-31 (switch 5 ON).

[3] When use IN-OUT wiring without any distributor, Switch 6 ON for last monitor on the line.

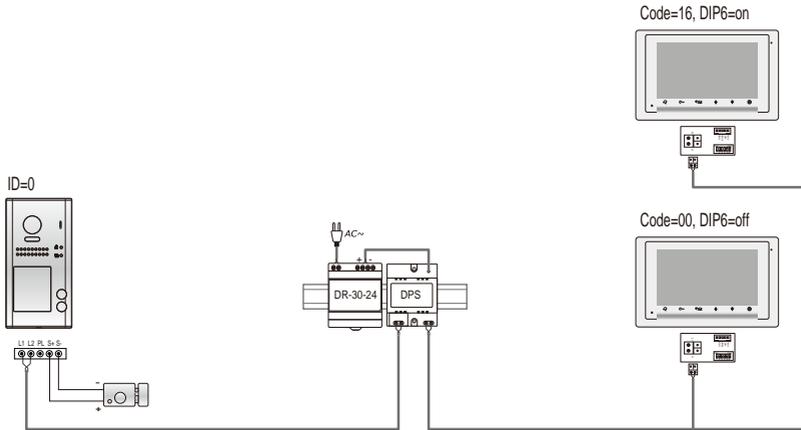
When use Star wiring with distributor (Home run), Switch 6 ON for every monitor.

### One Apartment Connection (IN-OUT wiring)

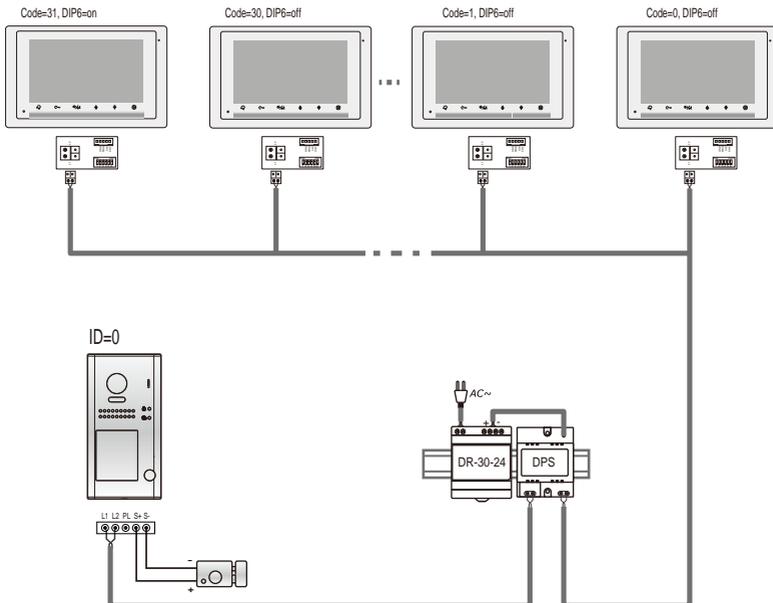


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## Two Apartment Connection (IN-OUT wiring)

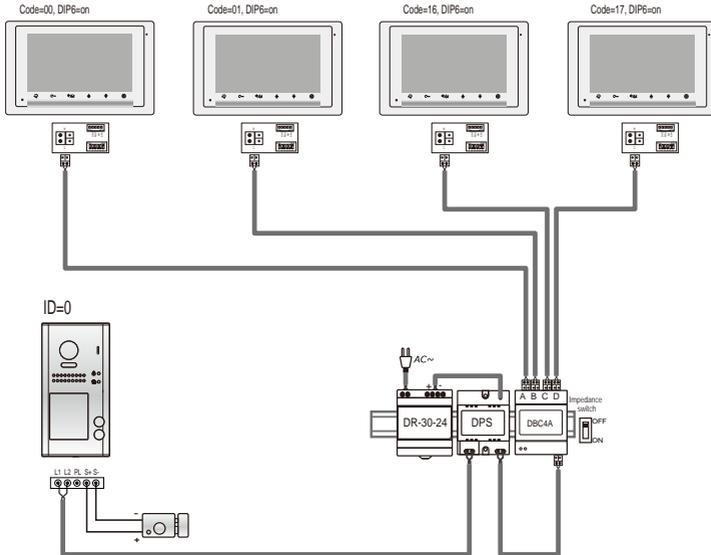


## Connecting Multi Indoor Monitors (IN-OUT wiring)

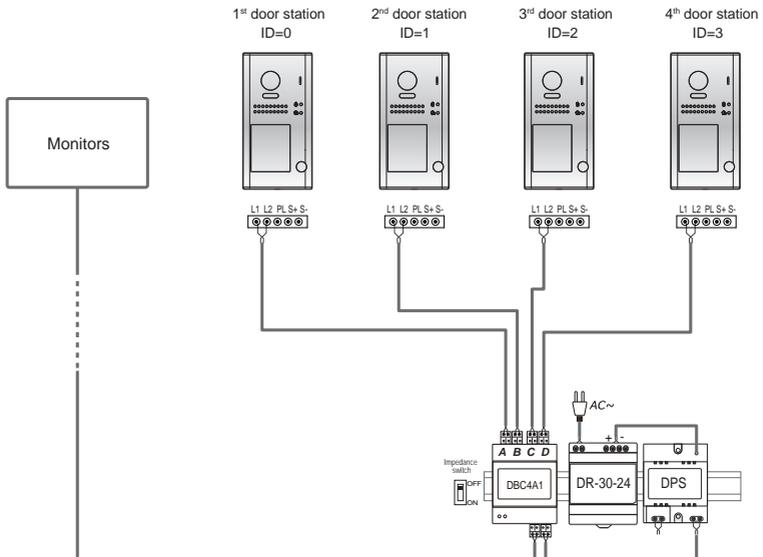


## Connecting Multi Indoor Monitors

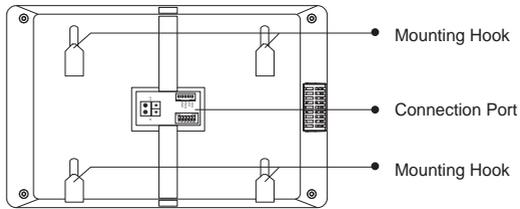
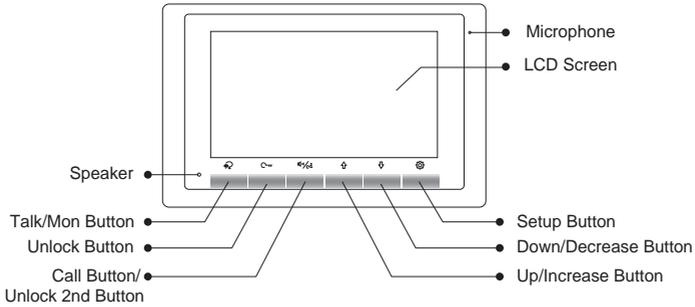
It can be star wiring (home run with distributor). Please note the distributor DBC4A(1) is not included in the kits.



## Connecting Multi Door Stations



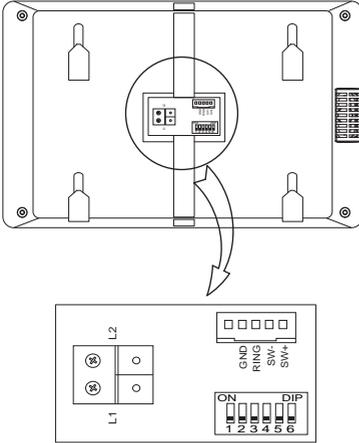
### 3. Parts and Functions



### Key functions

Item	Description
Microphone	Receive voice from the user.
LCD screen	Display the visitors' image.
Setup button	Press to select the setting item you want.
Down/Decrease button	Press to decrease the value.
Up/Increase button	Press to increase the value.
Speaker	Send out voice from the visitor.
Talk/Mon button	Press to communicate hands free with visitor; Press to view the outdoor condition in standby mode.
Unlock button	Press to release the door
Call button/Unlock 2nd button	In standby mode, pick up handset, then press Call button to activate the inner call; During calling/talking state, press Unlock 2nd button to release the second door.
Mounting hook	Use to hang up the monitor.
Connection port	Bus terminal.

## Terminal description



**L1,L2:** Bus line terminal.

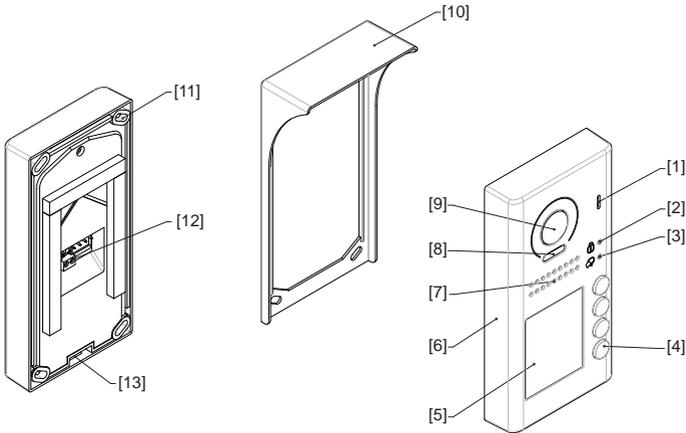
**SW+,SW-:** Extra door bell call button connection port.

**RING,GND:** Extra buzzer connection port.

**DIP switches:** Total 6 bits can be configured.

- **Bit1~Bit5:** User Code setting.
- **Bit6:** Set to **ON** if the monitor is at the end of the line or works with DBC4A1. Otherwise, set to **OFF**.

## Front panel for outdoor station



[1] Microphone

[2] UNLOCK indicator

[3] CALL indicator

[4] Call button

[5] Nameplate

[6] Front panel

[7] Speaker

[8] Night view LED

[9] Camera lens

[10] Rainy cover

[11] Mounting hook

[12] Connection port

[13] Screw hole

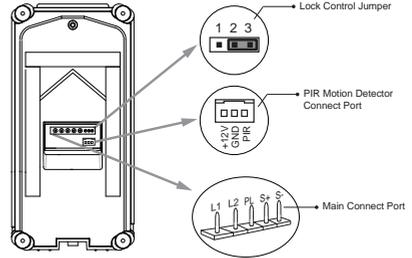
## 4. Terminal Description For Outdoor Station

**Lock Control Jumper:** To select the lock type.

**Motion Detector Connect Port:** To connect external PIR motion detector.

**Main Connect Port:** To connect the bus line and the electronic locks.

- **L1,L2:** Connect to the bus line, no polarity.
- **PL:** External lock power input, connect to the power positive(power +).
- **S+:** Lock power(+) output.
- **S-:** Lock power(-) output, connect to the power(-) input of locks(only when using the door station to power the locks, if using the external power supply for the locks, the S- will not be connected).



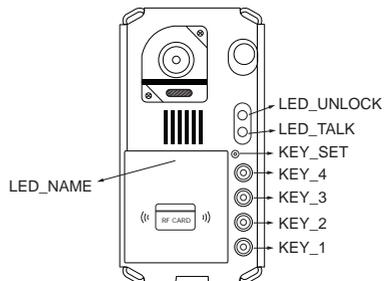
Note: Must be less than 200mA, please always use DS-ERL with all outdoor station. See page 14 for instruction.

## 5. Functions Setting Up Of Outdoor Station

This section explains the settings of each function, please refer to the following table:

To perform the settings for the function you want, you should move away the metal front panel. Please refer to the sketch map.

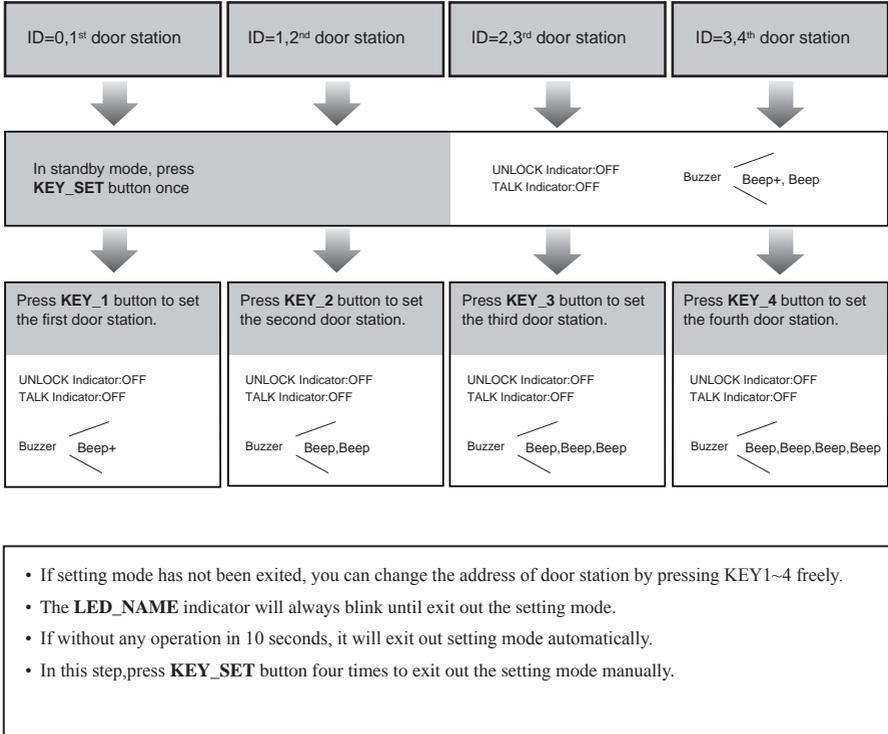
Each operation is indicated by the lighting up of the **LED** indicator on the unit, and by the sounding of the buzzer.



## 6. Settings Address Of Outdoor Station

Factory default set at 0 1st station.

Total 4 addresses can be configured. It can be modified either before or after installation. 0 is default, to change the setting, please follow the steps:

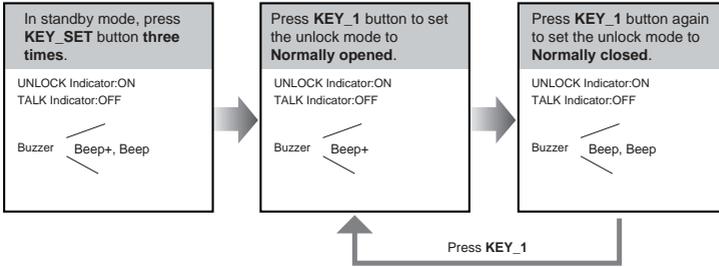


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## 7. Setting Unlock Mode For Outdoor Station

There are 2 unlock modes, **Normally opened (Factory default)** and **Normally closed**.

Normally opened is default, to change the setting, please follow the steps:

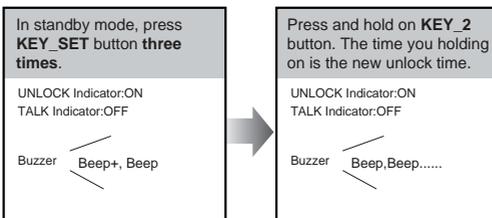


- If setting mode has not been exited, you can change the unlock mode by pressing KEY1 circularly.
- The **LED\_NAME** indicator will blink all the time until exit out the setting mode.
- If without any operation in 10 seconds, it will exit out setting mode automatically.
- In this step,press **KEY\_SET** button twice to exit out the setting mode manually.

## 8. Setting Unlock Time For Outdoor Station

By default, the unlock time is 5 seconds, but it can be changed,the setting range is 1s~99s.

Follow the steps:

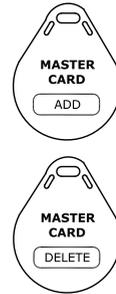


- When entering time delayed setting, the buzzer sound one time every second.
- The **LED\_NAME** indicator will blink all the time until exit out the setting mode.
- If without any operation in 10 seconds, it will exit out setting mode automatically.
- In this step,press **KEY\_SET** button twice to exit out the setting mode manually.

Check the **Monitor Manual** or **Quick Guide** for more information regarding **Unlock Time** settings.

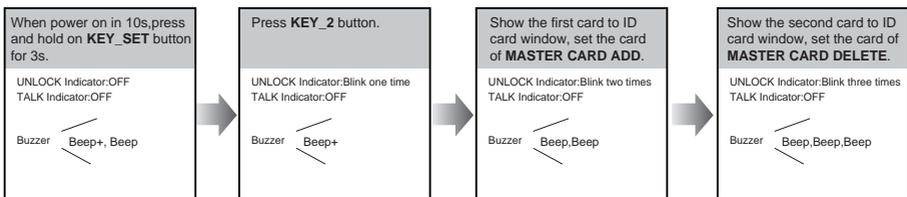
## 9. Registering ID Card

- Up to 320 user cards can be registered by the door station.
- Easy management with LED status and sound hints.
- There are two master cards, one **MASTER CARD ADD** card and one **MASTER CARD DELETE** card, When registered new master cards, the old master cards are invalid automatically.
- Card reading distance is less than 3cm.
- The master cards are necessary when you add or delete user cards. Please keep it well for future use.
- EM card, 125kHz.



### Authorizing master cards:

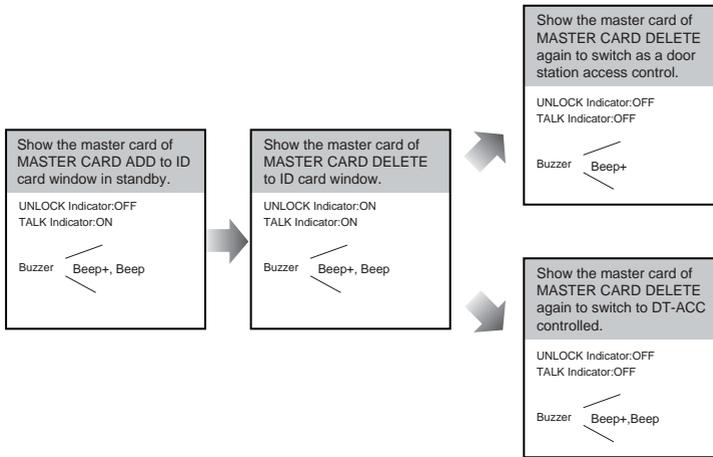
By default, there are two master cards marked **MASTER CARD ADD** and **MASTER CARD DELETE**, but you should know that the master card can be authorized by users at any time. That means any two user cards can be authorized to master cards, When registered new master cards, the old master cards will be invalid automatically.



- The **LED\_NAME** indicator will always blink until exit out the master card authorized mode.
- If without any operation in 10 seconds, it will exit out setting mode automatically.
- It will exit out setting mode automatically after showing these two cards, the UNLOCK&TALK indicator will be turned off.

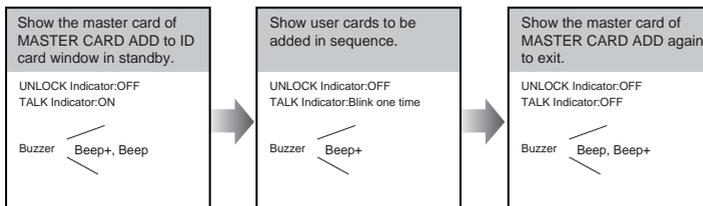
## Switching Access Control:

The access can be controlled by door station or DT-ACC,so it's available to switch the access function.



- If without any operation in 10 seconds, it will exit out setting mode automatically.
- If current access is controlled by door station, next access switching setting is controlled by DT-ACC.

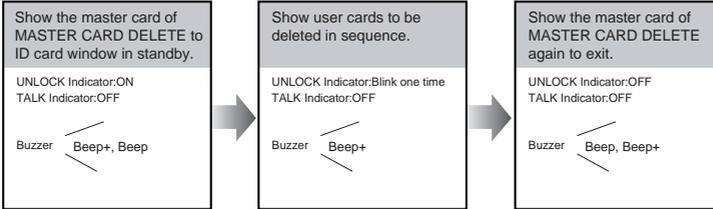
## Adding User Cards:



- If without any operation in 10 seconds, it will exit out setting mode automatically.
- To add user card, the access must be controlled by door station.

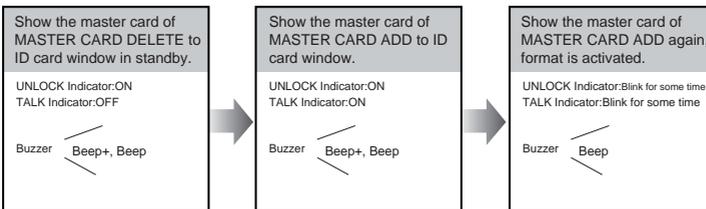
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## Deleting User Cards:



- If without any operation in 10 seconds, it will exit out setting mode automatically.
- To add user card, the access must be controlled by door station.

## Initializing Access (delete all user cards):



- If without any operation in 10 seconds, it will exit out setting mode automatically.
- To add user card, the access must be controlled by door station.
- At step3, the UNLOCK & TALK indicator will blink all time until formatting is finished.
- When formatting is finished, UNLOCK & TALK indicator will be turned off and sound " Beep+ ", and exit out setting mode automatically.

# 10. Indoor Unit Parameter Setting

## How to enter the installation setting page



1. Press **Setting** button in standby mode.

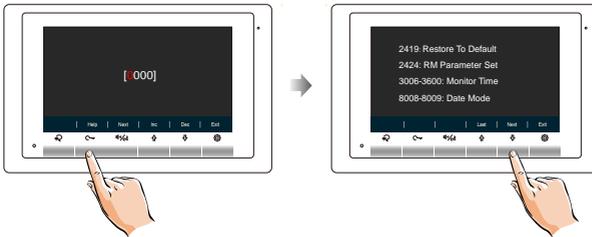
2. Press **Setting** button six times.

3. Press and hold **Unlock** button for 3s.

4. Use button to increase / decrease the value; use button to select next digital.

## How to know the machine code

When you want to set the monitor parameter, you must to know the setting code.



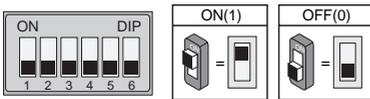
1. Press **Unlock(Help)** button in installation setting page.

4. Use button to search the code you want.

## DIP Switches Settings Of Indoor Unit

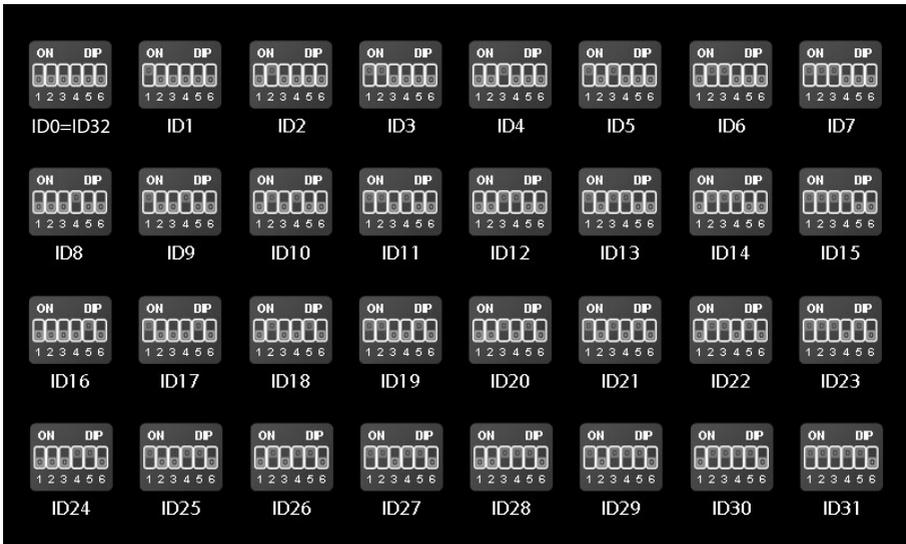
The DIP switches are used to set the user code for each monitor. Total 6 bits can be configured.

- Bit-1 to Bit-5 are used for user code setting. The value range is from 0 to 31, which have 32 different codes for 32 apartments.
- When multi monitors need to be installed in one apartment, these monitors should use the same user code, and the master/slave mode should be set on the monitor.
- Bit-6 is bus line terminal switch, which should be set to “ON” if the monitor is at the end of bus line, otherwise be set to “OFF”.

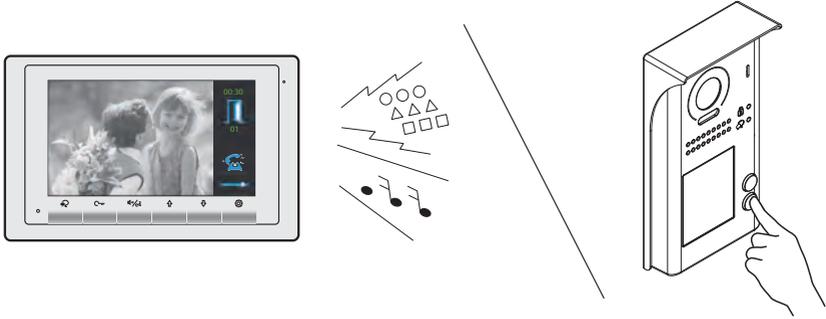


### Bit-6 switch setting

Bit state	Setting	Bit state	Setting
	When monitor is not at the end of bus line.		When monitor is at the end of bus line.



## 11. Answering a Call



When there is a call from a video door station. The call tone sounds, an image will be displayed on the screen.

Press **TALK/MON** button on the panel, begin communicating hands free with the visitor for 90 seconds.

While communicating with the visitor, unlock the door, adjust volume / brightness / contrast are available. More details, please refer to the user manual of indoor monitor.

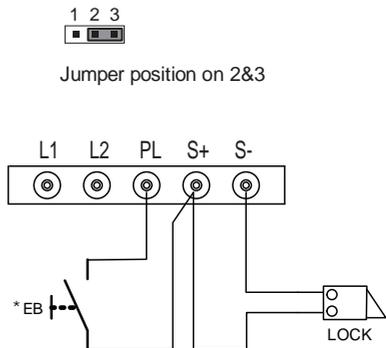
**Note:** If nobody answers the phone, the screen will be turned off automatically after 40 seconds.

## 12. Electric Lock Connection (NOT RECOMMENDED). See Page 14.

Note: NOT RECOMMENDED unless the door lock is less than 250mA. Please see Part 13 on Page 14 for HOOKING UP A DOOR RELEASE.

### 1) Door Lock Controlled with Internal Power

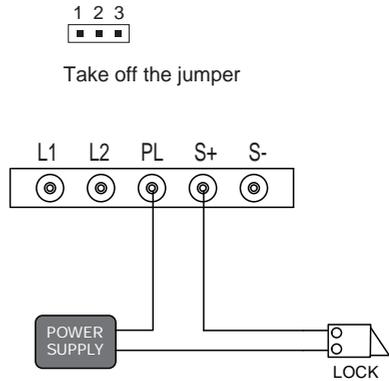
1. Electronic lock of Power-on-to-unlock type should be used.
2. The door lock is limited to 12V, and holding current must be less than 250mA.
3. The jumper should be placed on position 2 and 3 before connecting.
4. The door lock control is not timed from Exit Button(EB).
5. The **Unlock Mode** must be set to 0 (by default).



## 2) Door Lock Controlled with External Power

- 1.The external power supply must be used according to the lock.
- 2.The inside relay contact is restricted to 230Vac 1A or 24Vdc 1A.
- 3.The jumper must be taken off before connecting.
- 4.Setup the **Unlock Mode** according to different lock types.
  - Power-on-to-unlock type:Unlock Mode=0(by default)
  - Power-off-to-unlock type:Unlock Mode=1

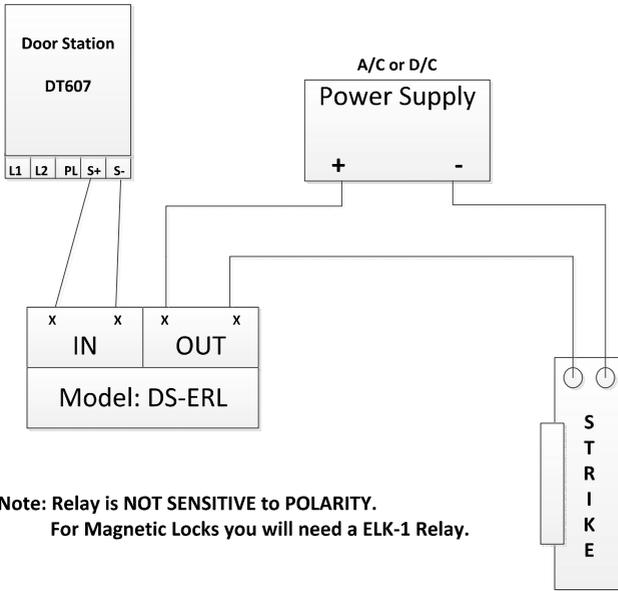
\* DT-RLC relay actuator is needed for 2nd lock connection.



## 13. Specification

Power supply:	26Vdc
Power Consumption Of Outdoor Station:	0.85W in standby; 3.25W in working.
Power Consumption Of Indoor Unit:	0.17W in standby; 6.2W in working.
Camera lens:	Color CMOS, 2.0 Mega pixel 1/2.7" fisheye camera, 170° wide angle
Unlock Power output:	12Vdc, 250mA
Unlock timing:	1~99s
Working temperature:	- 20°C ~ +55°C
Wiring:	2 wire, non-polarity
Dimension:	5.51(H)×8.66(W)×0.69(D)inch(Indoor Unit) 6.93(H)×3.54(W)×1.06(D)inch(surface) 8.66(H)×4.68(W)×2.05(D)inch(flush)

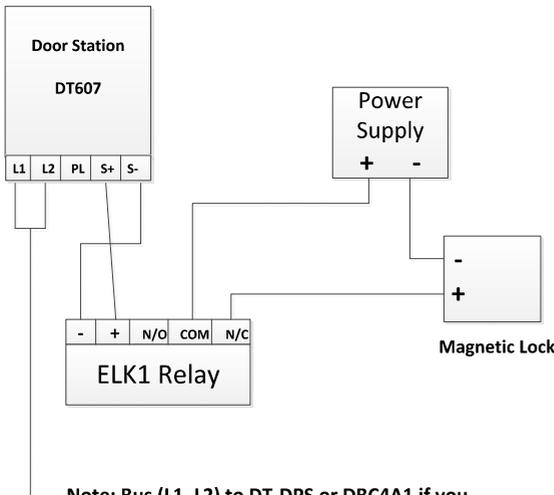
# 14. Hooking Up a Door Release



For A/C or D/C door releases HINTS. Match the door release Input Voltage to power source.

Power Release	Door
A/C	= A/C
D/C	= D/C
12vDC	= 12vDC
24vDC	= 24vDC
$\infty$ 16vA/C	= $\infty$ 16vA/C

Note: Relay is NOT SENSITIVE to POLARITY. For Magnetic Locks you will need a ELK-1 Relay.



Power Supply can be A/C or D/C as long as it matches the needs of the magnetic lock.

By hooking up the ELK1 to the door release this saves the outdoor station from being damaged which is NOT covered by the warranty!

The reason for this is that all Magnetic Locks have more than 200mA and the panel relay Max is 200mA.

Note: Bus (L1, L2) to DT-DPS or DBC4A1 if you have more than 1 door station.

FOR TECHNICAL SUPPORT CALL  
1516-387-6606 FROM 9AM TILL 4PM  
MONDAY THRU FRIDAY  
OUR WEBSITE [WWW.NYWINT.COM](http://WWW.NYWINT.COM)

DK1711-22 KIT

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