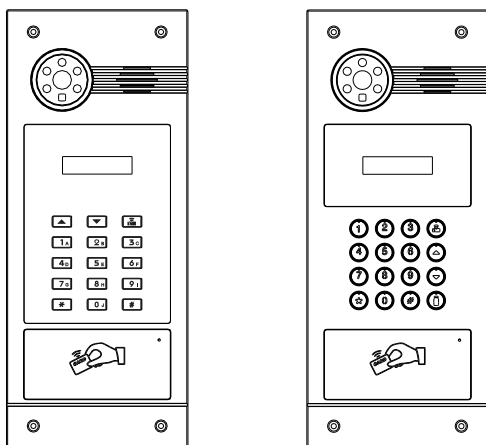


# Installation and Operation manual

## Super Apartment System-608



**Outdoor Panel**



## ■ Remark

*Please follow the user manual for correct installation and testing. If there is any doubt please call our tech-supporting and customer center.*

*Our company applies ourselves to reformation and innovation of our products. No extra notice for any change. The illustration shown here is only for reference. If there is any difference, please take the actual product as the standard.*

*The product and batteries must be handled separately from household waste. When the product reaches the end of service life and needs to be discarded, please contact the local administrative department and put it in the designated collection points in order to avoid the damage to the environment and human health caused by any disposal. We encourage recycling and reusing the material resources.*

# CATALOG

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## Product description

### Application:

By using single-chip microcomputer control technology and RS485 bus transmission technology, outdoor panel of 608 analog intercom system is designed for networked communities. The visitor can call indoor monitor or management center on outdoor panel for remote call.

The outdoor panel can be used as unit panel or wall panel. The manual describes the usage of unit panel and wall panel respectively.

## Basic function

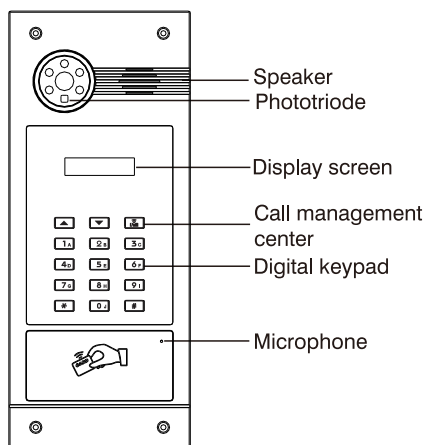
1. Call with indoor monitor and management center.
2. Support door magnetic detection (120 seconds) and fire linkage function (optional).
3. Support unlocking by password, contactless proximity card (IC/ID card optional), or remote command from management center and indoor monitor.
4. Color camera/black-and-white camera with night vision function.
5. Supporting exit button (optional).
6. Support unlocking by power or switching value and time settings (0.1-9.9 seconds) of switching values output(5 seconds by default).
7. Support alarm of power failure and under-voltage detection and report it to management center or management computer.
8. Support patrol recording function.

## Technical parameters

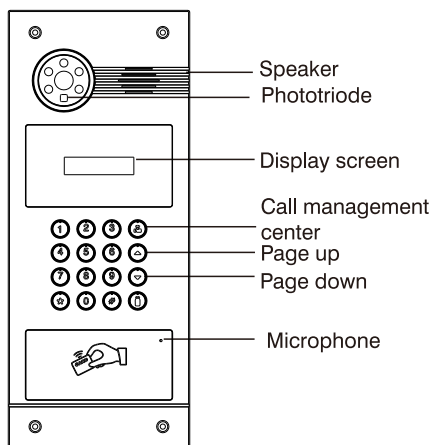
1. Working voltage: 30V
2. Rated power: 5W
3. Standby power: 2W
4. Working temperature:  $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
5. Humidity: 20%~93%
6. Atmospheric pressure: 86 kPa~106 kPa

# Pictures

Model: D-A9(Touch Keypad)

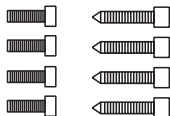


Model: D-A9(Mechanical Keypad)



## Package Contents

Model: D-A9



Screw




Seal ring



Screw wrench

## Basic Operation

### Calling management center

In a standby mode, press the key “” or “\*”. If the management center is busy, the outdoor panel will display “Busy”, and then automatically return to standby mode.



If the management center is not busy, outdoor panel displays “Cenr”, and management center rings and displays No. of outdoor panel as well as the visitor's image. In this case, the watchkeeper can answer the call and talk with the visitor. The call can last for 45 seconds by default .



During communication, pressing “\*” on the outdoor panel, the call will be cut off.

In call status, pressing unlock key on the management center, the unit door will be unlocked accordingly. At the same time, the management center will issue a beep as prompt tone.

If the call exceeds 25 seconds but there is no answer from management center, the system will end the call and return to standby mode .

## Calling indoor monitor

- unit panel call indoor monitor:

In a standby mode, when programmed as unit panel, press the 4-digit indoor monitor No.. For example, if indoor monitor No. is 0101, pressing "0101", the interface will show as below:



- wall panel call indoor monitor:

In a standby mode, when programmed as wall panel, press the 4-digit building No+ 2-digit unit No+ 4-digit indoor monitor No. For example, if the building No. is 0003, unit No. is 08 and indoor monitor No. is 0101, pressing "0003080101" on wall panel, the interface will show as below:



If successful, indoor monitor rings and displays No. of unit panel/wall panel as well as the visitor's image. In this case, the watchkeeper can answer the call and talk with the visitor. The call can last for 45 seconds by default.

During the call, the user can press "Unlock" button on indoor monitor to unlock the corresponding unit door.

During communication, pressing "\*" button on the unit panel/wall panel, the call will be cut off, and then automatically return to standby mode.


If the call time exceeds 25 seconds but there is no answer, the system ends the call and returns to standby mode.

Note: In the case of incorrect number or system failure, after waiting for a short time, the unit panel/wall panel displays "Err" and then returns to standby status.





### Calling lobby station (not for wall panel)

In a standby mode, press “”. If the lobby station is busy, the outdoor panel will display “Busy” and then automatically return to standby mode.

A rectangular digital display with a black border showing the word "busy" in a pixelated, lowercase font.

If the lobby station is not busy, outdoor panel displays “Lobby”, and lobby station rings and displays No. of outdoor panel as well as the visitor's image. In this case, the watchkeeper can answer the call and talk with the visitor. The call can last for 45 seconds by default.

A rectangular digital display with a black border showing the word "Lobby" in a pixelated, lowercase font.

During communication, pressing “\*” on the outdoor panel, the call will be cut off.

In call status, pressing unlock key on the lobby station, the unit door will be unlocked accordingly. At the same time, the lobby station will issue a beep as prompt tone.

If the call exceeds 25 seconds but there is no answer from lobby station, the system will end the call and return to standby mode.

### Monitored by management center or indoor monitor

When the outdoor panel is monitored by the management center or indoor monitor, the outdoor panel displays "Moni". Press any key on outdoor panel to end monitoring. Maximum monitoring time is 25 seconds.

A rectangular digital display with a black border showing the word "Moni" in a pixelated, lowercase font.

### Door sensor(Optional)

If the door to which outdoor panel is connected keeps open for more than 120 seconds, outdoor panel will send alarm signal to management center and then management center will give an alarm.

*Note: The management center will give an alarm at the interval of every one minute (one-minute on and one-minute pause) for three times, totaling 5 minutes. The watchkeeper can press "Alarm" button on management center to search alarm information.*

## Basic Settings

In a standby mode, pressing and holding "0" key for 3 seconds, the outdoor panel will display "Pwo". Entering the system password (Factory default is 000000) , the outdoor panel will show "MEnU" for system settings.



### 1. System Settings

When outdoor panel displays "MEnU", press the key "1" to enter system setting status. Then outdoor panel will display "Syst".



#### 1. 1 Settings on Building No. and Unit No. (not for Wall Panel)

Pressing the key "1", outdoor panel will display "4-digit Building No. +2-digit Unit No.". Enter the address to be set directly. For example, press "000102", then the system will confirm it automatically.

Press "\*" or "#" to return to previous menu.



#### 1. 2 Settings on Wall Panel, Address and Floor of Main/Sub Outdoor Panel

Pressing the key "2", outdoor panel will display a 6-digit number. Enter the number to be set directly. For example, press "020301", Then the system will confirm it automatically.



*Note: when the first two digits are "01", they refer to unit panel; when they are "02", they refer to wall panel. When the middle two digits are "01", they refer to main outdoor panel; when the number is more than "01", it refers to sub outdoor panel. The last two digits refer to the floor No. ranging from 00~99, which is used in combination with elevator control system. Press "\*" or "#" to return to previous menu.*

### 1.3 Video Delay

Pressing the key "3", outdoor panel will display "dEL-X" for setting video delay time. Enter the time to be set directly. For example press "dEL-1", then the system will confirm it automatically. The video delay time range is 0~9 seconds. When it is not 0, it needs to be used with the indoor monitor and management center. Press "\*" or "#" to return to previous menu.

A rectangular digital display with a black border. The text 'dEL - 1' is shown in a black, segmented font. 'dEL' is on the left, followed by a space, a hyphen, and the digit '1'.

### 1.4 Unlocking Time

Pressing the key "4", outdoor panel will display "CLT-XX" for setting unlocking time. Enter the time to be set. For example press "CLT-02", then the system will confirm it automatically. The unlocking time range is 01 to 99 seconds, and the basic time unit is 0.1 second. Press "\*" or "#" to return to previous menu.

A rectangular digital display with a black border. The text 'CLT - 02' is shown in a black, segmented font. 'CLT' is on the left, followed by a space, a hyphen, and the digits '02'.

### 1.5 Ringing and Talking Time

Pressing the key "5", outdoor panel will display "Ringing Time+ Talking Time". Enter the time to be set directly. Then the system will confirm it automatically. The first 3 digits are ringing time, ranging from 5 to 60 seconds; the last 3 digits are talking time, ranging from 25 to 180 seconds. Press "\*" or "#" to return to previous menu.

A rectangular digital display with a black border. The text '025045' is shown in a black, segmented font. The digits are '0', '2', '5', '0', '4', and '5' in sequence.

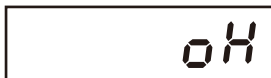
## 2 Password Settings

When outdoor panel displays "MEnU", press the key "2" to enter password setting status. Then outdoor panel will display "PSW".

A rectangular digital display box showing the text "PSW" in a pixelated font.

### 2.1 Admin Password

When outdoor panel displays "PSW", press the key "1" to set admin password. When outdoor panel displays "-----", enter the password directly. Then outdoor panel will display "-----" again for you to re-enter the password. If two passwords are the same, outdoor panel will display "OK". The default admin password is "000000". Press "\*" to return to previous menu.

A rectangular digital display box showing seven dashes "-----" for password entry.A rectangular digital display box showing the text "OK" in a pixelated font.

### 2.2 Public Password

Pressing the key "2", outdoor panel will display "COdE" and enter public password status. Press the key "#" to find and change password. If no password is set, outdoor panel will display "----" for you to enter the password directly. After change or setup, outdoor panel will emit a beep.

A rectangular digital display box showing the text "COdE" in a pixelated font.

*Note: There are 32 groups of public passwords by default. To delete the password, change the password to "0000" directly. Press "\*" to return to previous menu.*

## 3 Card Management

When outdoor panel displays "MEnU", press the key "3" to card management. Then outdoor panel will display "Card".

A rectangular digital display box showing the text "Card" in a pixelated font.

### 3.1 Register Card

When outdoor panel displays "CArd", press the key "1" to register the card. When outdoor panel displays "LHrEg", swipe the card on card reader area. Outdoor panel will return to registration status automatically after showing card No..



*Note: this menu is only used for registering the card. If the registered card is swiped again, outdoor panel will show "oLd". Press "\*" to return to previous menu.*

### 3.2 Delete Card

When outdoor panel displays "CArd", press the key "2" to delete the card. When outdoor panel displays "LHdELE", swipe the card on the card reader area. Then outdoor panel will show card No. and return automatically.



*Note: this menu is only used for deleting the card. If the unregistered card is swiped, outdoor panel will show "oUr". Press "\*" to return to previous menu.*

### 3.3 Query Card

When outdoor panel displays "CArd", press the key "3" to query the card. When outdoor panel displays "-----", swipe the card on card reader area. Then outdoor panel will return to query status automatically after showing card No..

*Note: this menu is only used for querying the card. If the unregistered card is swiped, outdoor panel will show "oUr". Press "\*" to return to previous menu.*

### 3.4 Delete All

When outdoor panel displays "CArd", press the key "4" to delete all the cards. If outdoor panel displays "LHALL", press the key "#" to confirm. Outdoor panel will show "OK" for successful operation. After showing the total number of card, outdoor panel will return to Card Management.

A digital display with a black border showing the text "LHALL" in a seven-segment font.

*Note: Please be careful in this operation. Once deleted, all the cards need to be re-registered. Press "\*" to return to previous menu.*

#### 4 Address Settings of Floor Hub

When outdoor panel displays "MEnU", press the key "4" to the status of address settings. Then outdoor panel will display "SETn".

A digital display with a black border showing the text "SETn" in a seven-segment font.

##### 4.1 Set Address of Floor Hub

Pressing the key "1", outdoor panel will display "SET--A" for setting the floor hub. Then enter the port number. When outdoor panel shows "no", enter the address of indoor monitor.

If port number is 00, the address is set by automatic overlay. If port number is 10, the address is set by floors. Press "\*" to return to previous menu.

A digital display with a black border showing the text "SET--A" in a seven-segment font.A digital display with a black border showing the text "no" in a seven-segment font.

*Note: If the port number is set to be 99, building No. and unit No. can be set with one key. If indoor monitors' addresses are the same for continuous ports of one floor hub, the first port refers to main indoor monitor, and other ports refer to sub indoor monitor. The system supports up to one main indoor monitor and three sub indoor monitors.*

##### 4.2 Delete Address of Floor Hub

Pressing the key "2", outdoor panel will display "dELE-A" for deleting the port. Then enter the port number to be deleted. After deletion, outdoor panel will display "dELE-A" again.

A digital display with a black border showing the text "dELE-A" in a pixelated font.

*Note: When setting the address, floor hub will be set automatically if port No. is 00. Press "\*" to return to previous menu.*

## 5. Unlock the door

### 5.1 Unlocking by public password

In standby mode, pressing "#" key, outdoor panel will display "no".

A digital display with a black border showing the text "no" in a pixelated font.

Press "#" again and enter the password when outdoor panel shows "----". If the password is correct, the door will be unlocked and outdoor panel will display "oPEn".

There are 32 groups of public passwords. Press "\*" to return to previous menu.

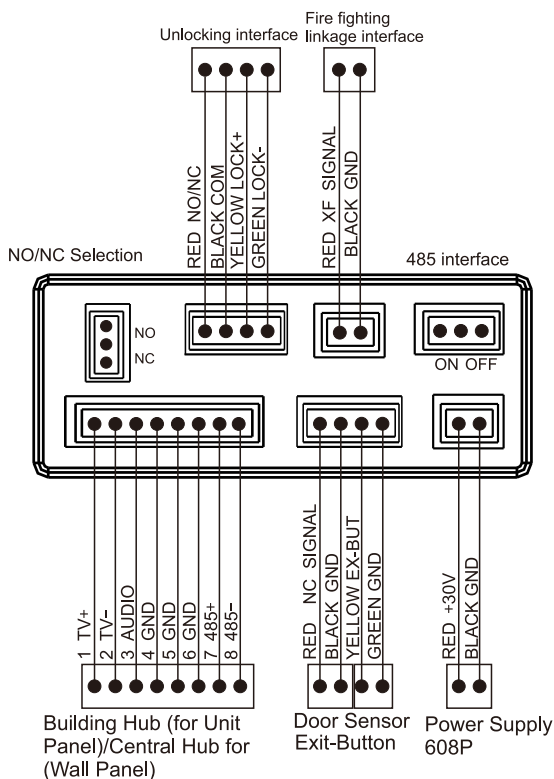
A digital display with a black border showing four dashes "----" in a pixelated font.A digital display with a black border showing the text "oPEn" in a pixelated font.

### 5.2 Unlocking by IC/ID card

Put the registered IC/ID card on card reader area of the outdoor panel. If successful, outdoor panel will display "oPEn" and the door will be unlocked. When the management center is talking with indoor monitor or outdoor panel is monitored by indoor monitor, unlocking by card still works.

A digital display with a black border showing the text "oPEn" in a pixelated font.

# Wiring Diagram



## Note:

(1) For details of unlocking interface, please refer to "Wiring Diagram of Unlocking Interface".

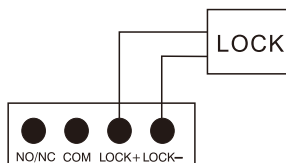
(2) 485 matching interface: ON match, OFF mismatch, OFF by default.

(3) Unlocking interface and NO/NO selection: please refer to "Wiring Diagram of Unlocking Interface" for details.

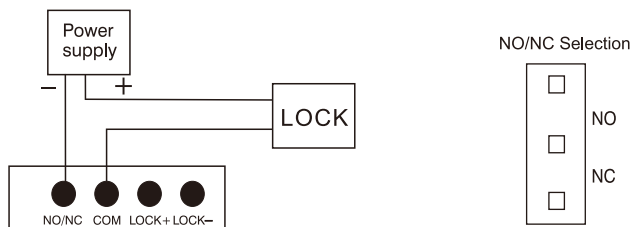


# Wiring Diagram of Unlocking Interface

## 1.Power Unlocking(Optional)



## 2.Switching Value Unlocking(Optional)



Normally Open/ Closed Connection

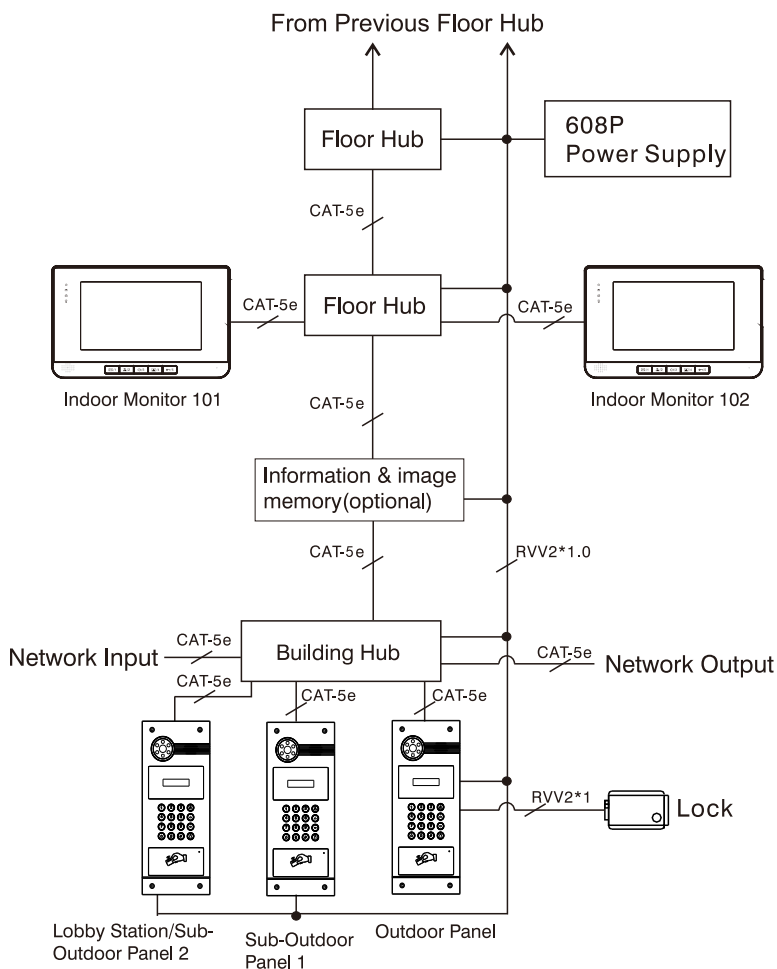
### Note:

(1) The time of unlocking by switching value can be set through outdoor panel. Time can range from 0.1 to 9.9 seconds, and the default is 5 seconds.

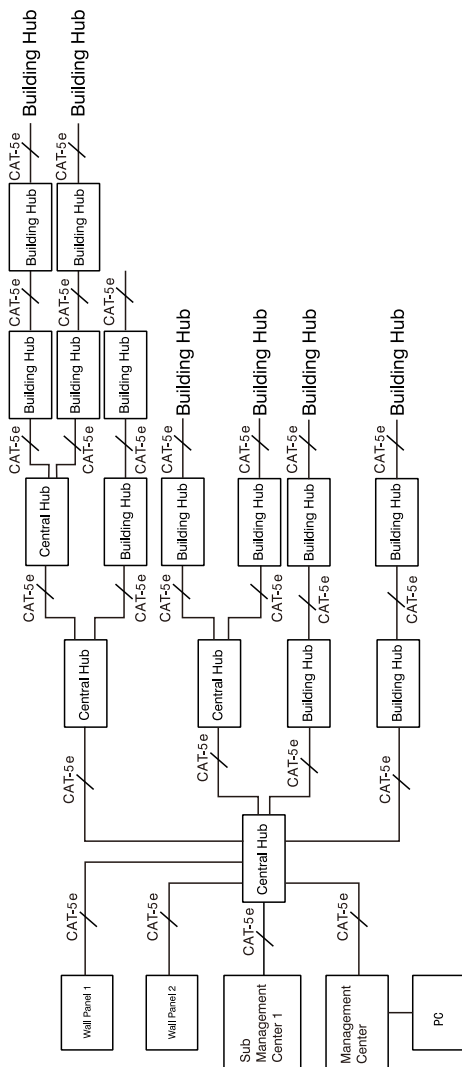
(2) External power supply is necessary for unlocking by switching value.

(3) NO/NC Selection: NO gear for NO connection, NC gear for NC connection. The default is NC gear.

# System Diagram



# Network Configuration Diagram

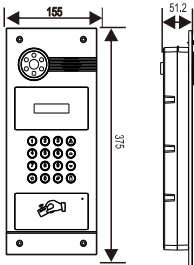
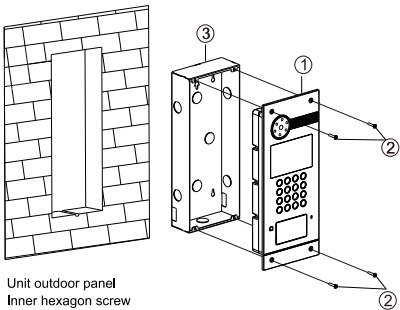


## Note:

1. Networking is extended through central hub;
2. There are not more than 3 central hubs connected in cascade;
3. Eight interfaces of central hub can be connected to wall panel, management center and building hub;
4. There are not more than 10 building hubs connected in cascade;
5. The distance between the points of network trunk should be less than 1000m.

# Installation

Model:D-A9

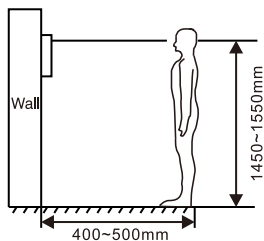
| Dimensions   | Installation diagram   |
|--|--|
|  <p>Dimensions: 155*375*51.2mm<br/>Built-in box size: 140*350*60mm<br/>Installation dimension: 150*360*65mm</p> |  <p>① Unit outdoor panel<br/>② Inner hexagon screw<br/>③ Built-in box</p> |

Installation method of inner hexagonal screw:

1. According to the installation dimension of outdoor panel, dig a square groove at the appropriate position in the wall or door, and dig a hole (drainage hole) at the bottom of the wall;
2. Open the threading holes at the bottom of the built-in box to facilitate drainage; Upward arrow are the front of the built-in box. Embed the built-in box into the wall, then put the built-in box into the groove position of the wall, and lock the four screws from top to bottom of the built-in box, or fix the built-in box in the wall with concrete;
3. Assemble the outdoor panel into the built-in box, align the groove and the built-in box, lock the screws to, and finally inject the glass glue into the top, left and right sides of the outdoor panel (note: the glass glue cannot be injected into bottom part that is reserved for the drainage hole at the bottom of outdoor).

## Installation Instructions:

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**[Suggestion]:** During the installation, the camera should be 1450~1550mm above the ground. The camera tether for photographing human face should be the top priority.

## Maintenance of devices

1. Keep the surface clean and use soft dry cloth to clean the dust of the product.
2. Please power off indoor unit when cleaning.
3. If there are stubborn stains which cannot be cleaned with dry cloth, please use the soft towel dipped in the neutral diluted detergent to clean the machine and then clear it with dry cloth.
4. Do not use benzene, thinner or organic solvents such as gasoline to clean. These solvents may cause damage to the machine casing or the surface of machine and change colors.

## Matters need to be noticed

1. Read the instructions in this manual carefully. Be sure to keep it for future reference.
2. Be sure to use only the power adapter whose power source matches the rating listed for it. If you are not sure, check with your dealer or your local power company.
3. Avoid strong hits or shocks. Do not use the power adapter if it has received any hard knocks or looks damaged in any way; Please immediately contact an authorised service center.
4. The product should be placed where is stable, ventilated, air-dry, non-sunshine, non strong magnetic and non dusty.
5. Don't clean the surface with chemicals but with soft and clean dry cloth.
6. Don't press several buttons at the same time.
7. The outdoor and indoor unit must be matched with appointed specified models and cannot match with others that are not our products.
8. Don't disassemble the machine without authorization. For the need for fault repairing, please contact the distributors or the company's tech-supporting department.



